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NAS BRUNSWICK
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U.S. NAVAL AIR STATION
BRUNSWICK MAINE

Final
Site 9
Monitoring Event 25 Report
September 2004

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

Naval Air Station
Brunswick, Maine

Prepared by:

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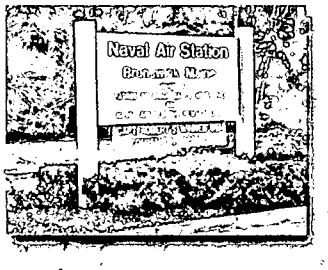

Prepared for:

EFA NORTHEAST

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

July 2005

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SITE 9
MONITORING EVENT 25 REPORT
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Neptune Drive Disposal Site
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LIST OF ABBREVIATIONS AND ACRONYMS

°C	degrees Celsius
Eh	oxidation reduction potential
EPA	U.S. Environmental Protection Agency
LTMP	Long-Term Monitoring Plan
MEDEP	Maine Department of Environmental Protection
MEG	maximum exposure guideline
µg/L	micrograms per liter
µmhos/cm	micromhos per centimeter
mg/L	milligrams per liter
mV	millivolt
NAS	Naval Air Station
NTU	nephelometric turbidity units
QAPP	Quality Assurance Project Plan
SVOCs	semivolatile organic compounds
TAL	Target Analyte List
VOCs	volatile organic compounds

1.0 PROJECT ACTIVITIES AND MONITORING EVENT RESULTS

This section describes the Naval Air Station (NAS) Brunswick, Maine project background, long-term monitoring plan, results of Monitoring Event 25, measurement of water level elevations, and groundwater monitoring, sampling, and analysis results. The section also describes project visual inspections, quality assurance and quality control processes, and an analytical data review.

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 ECC to perform long-term monitoring at the Neptune Drive Disposal Site (Site 9), NAS Brunswick, Maine. Beginning with the October 2003 long-term monitoring event, ECC gauged, collected, and analyzed samples from Site 9 in accordance with the Final Long-Term Monitoring Plan (LTMP) (EA, 1999b). NAS Brunswick is located south of the Androscoggin River between Brunswick and Bath, Maine (Figure 1-1). The layout of Site 9 is provided on Figure 1-2.

At Site 9, the Navy is providing monitoring and maintenance as part of the long-term remedial actions required by the Final Record of Decision for Site 9 (EA 1999a). Monitoring Event 25 was completed in accordance with the LTMP. Table 1-1 is a summary of the Long-Term Monitoring Plan at Site 9.

This report provides results for Monitoring Event 25, completed in September 2004. By agreement between the Navy and state and federal regulators, this monitoring event report includes previous annual report sections, as annual reports are no longer prepared. Monitoring event reports present and discuss trend data, and provide recommendations and conclusions. Section 1.0 describes the activities and results completed during this monitoring event. Temporal trends and other observations based on data collected during bi-annual monitoring are presented in Section 2.0. Long-term monitoring objectives and recommendations are provided in Section 3.0 and references documented in Section 4.0. Appendix A contains completed response to comments from the Maine Department of Environmental Protection (MEDEP) and U.S. Environmental Protection Agency (EPA) (to be provided with final report). Appendix B contains the laboratory analytical data summary (Tables B-1 through B-7). Appendix C provides temporal trend graphs. Appendix D provides analytical report Form I data tables. Appendix E provides an analytical data quality review. Appendix F provides field monitoring and sampling forms.

1.2 Measurement of Water Level Elevations

Water level measurements for Monitoring Event 25 were collected on 9 September 2004 at 29 monitoring wells (17 at Site 9 and 12 at the Navy Exchange Service Station), and 2 pond elevation stations, as indicated in Tables 1-2 and 1-3. The locations of site monitoring wells and pond elevation stations are provided on Figure 1-2. To collect data related to upgradient groundwater flow patterns, depth to groundwater was measured (gauged) in the monitoring wells

at the Navy Exchange Service Station (Figure 1-2) on 9 September 2004 (Table 1-3). The gauging procedures are detailed in the final report for Monitoring Event 4 (EA 1996b).

Water levels recorded for the September 2004 event were slightly lower than water levels recorded in the April 2004 event due to seasonal variation in precipitation. Field Record of Well Gauging forms completed during the well gauging events are provided in Appendix F. Figure 1-3 provides the groundwater potentiometric surface elevations and flow directions for Site 9 based on the 9 September 2004 gauging data. The interpreted flow pattern upgradient of Site 9 is to the south-southwest. The interpreted hydraulic gradient shows an increasing gradient south of Neptune Drive to the impoundments.

1.3 Groundwater Monitoring, Sampling, and Analysis

The groundwater sampling program was completed on 8 and 9 September 2004 in accordance with the general methodologies established in the final LTMP (EA 1999b), with the exception of aqueous diffusion samples collected at specific wells. The LTMP is currently being updated to include diffusion sampling. These samples were collected as described in previous phases of the Brunswick pilot study (EA 2001a) and the draft Diffusion Sampler Proposal (EA 2003a). Previously installed dedicated Grundfos Redi-Flo2 stainless steel and Teflon® submersible pumping systems were utilized for low-flow sample collection at Site 9 using the EPA Region I low-flow sampling technique, in compliance with the Final LTMP (EA 1999b).

On 8 and 9 September 2004, pre-deployed diffusion samplers were recovered from 10 monitoring wells at specific depths across the length of the well screen. One diffusion sampler was placed at the deep interval of each well screen, and one diffusion sampler also was placed in the shallow interval of MW-NASB-069. Low-flow groundwater sampling was conducted at three monitoring wells (MW-NASB-069, MW-NASB-070, and MW-NASB-079). Field duplicates were collected from MW-NASB-69 and from MW-NASB-071. The low-flow sample from MW-NASB-069 was collected immediately following retrieval of the aqueous diffusion samplers. Low-flow samples were collected from monitoring wells where LTMP semivolatile organic compounds (SVOCs) and metals sampling is required (MW-NASB-069, MW-NASB-70 and MW-NASB-79).

Groundwater samples were collected from the 12 required wells at Site 9 during Monitoring Event 25 using the low-flow sampling technique and/or diffusion sampling method. Table 1-1 provides a summary of the wells that were sampled during Monitoring Event 25. Water quality indicator parameters, including pH, conductivity, temperature, dissolved oxygen, oxidation-reduction potential (Eh), and turbidity, were measured immediately following removal of the diffusion samplers. A YSI 600XLM water quality meter was utilized to collect water quality indicator data during low-flow purging using a flow-through cell at ground surface and downhole after the passive diffusion bag was removed. A Lamotte 2020 turbidity meter was used to measure turbidity for monitoring wells sampled using the low-flow technique. Water quality indicator data are presented in Table 1-4. Field Records of Well Gauging, Purging, and Sampling forms are provided in Appendix F.

Groundwater samples collected for laboratory analysis during this monitoring event were analyzed by Accutest Laboratories, certified by the State of Maine Department of Human Services (Certification No. MA136) and located in Marlborough, Massachusetts. The sample container was shipped to Accutest on 10 September 2004 and received on 10 September 2004. Ten (10) monitoring well samples were analyzed for VOCs by EPA Method 8260B.

Groundwater samples collected from monitoring wells MW-NASB-069, MW-NASB-070, and MW-NASB-079 were also analyzed for the following parameters:

- LTMP SVOCs by EPA Method 8270C; and
- LTMP metals by inductively coupled plasma using EPA Method 6010 and mercury by cold vapor atomic absorption using EPA Method 7470A.

Appendix B provides summaries of analytical results for groundwater samples collected at Site 9. Appendix D contains the Form I data summary sheets for the analyses completed and Appendix F contains the Chain-of-Custody Records. Figure 1-2 indicates the location of the groundwater monitoring wells. The Field Records of well purging and sampling forms completed during the sampling events are provided in Appendix F.2.

1.4 Surface Water and Leachate Station Seep Sampling and Analysis

The surface water and leachate station seep sampling was completed on 8 September 2004 in accordance with the most recent final LTMP (EA 1999b). Water quality indicator parameters for the surface water sample and leachate seep samples are summarized in Table 1-5. Appendix B (Table B-4) provides a summary of analytical results for surface water samples collected at Site 9.

Notable observations of water quality indicator parameter measurements for surface water and the leachate seep sample are described below for informational purposes. Sample data quality is not expected to be adversely impacted due to variations in sample parameters noted below.

- The pH reading was slightly higher (7.00) for the surface water sample collected for Monitoring Event 25 compared to that collected during Monitoring Event 24 (6.69). The pH reading was higher (7.36) for the seep sample collected for Monitoring Event 25 compared to that collected during Monitoring Event 24 (6.76).

- The dissolved oxygen concentration was lower (6.76 milligrams per liter [mg/L]) for the surface water sample collected for Monitoring Event 25 compared to that collected during Monitoring Event 24 (9.25 mg/L). This variation may be due to seasonal changes in water temperature or the recharge of oxygenated water prior to the spring sampling event. The dissolved oxygen concentration were significantly lower (4.52 mg/L) for the seep sample collected for Monitoring Event 25 as compared to that collected during Monitoring Event 24 (10.14 mg/L).

- Temperature was higher (15.16 degrees Celsius [°C]) for the sample collected for Monitoring Event 25 as compared to the sample collected for Monitoring Event 24

(8.57 °C). The surface water temperature was higher (17.47 °C) for the seep sample collected for Monitoring Event 25 as compared to the sample collected for Monitoring Event 24 (7.57 °C). Temperature differences are probably due to seasonal effects.

- Surface water conductivity was higher (272 micromhos per centimeter [μmhos/cm]) for the sample collected for Monitoring Event 25 as compared to the sample collected for Monitoring Event 24 (230 μmhos/cm). Surface water conductivity was higher (390 μmhos/cm) for the seep sample collected for Monitoring Event 25 as compared to the sample collected for Monitoring Event 24 (231 μmhos/cm).

- Surface water Eh was lower (-8.5 millivolts [mV]) for the sample collected for Monitoring Event 25 as compared to the sample collected for Monitoring Event 24 (105.3 mV). Surface water Eh was lower (-24.4 mV) for the seep sample collected for Monitoring Event 25 as compared to the sample collected for Monitoring Event 24 (98.8 mV).

- Surface water turbidity was lower (2 nephelometric turbidity units [NTU]) for the sample collected for Monitoring Event 25 as opposed to the sample collected for Monitoring Event 24 (4.14 NTU). Surface water turbidity was higher (8 NTU) for the seep sample collected for Monitoring Event 25 as opposed to the sample collected for Monitoring Event 24 (0.83 NTU).

Surface water and leachate station seep samples were analyzed for LTMP VOCs by EPA Method 8260B. Surface water sample results are summarized in Table B-4. Leachate seep sample results are summarized in Table B-5. Appendix D contains the Form I summary table for the analysis performed. The sample locations are shown on Figure 1-2.

1.5 Stream Sediment Sampling and Analysis

The stream sediment sampling program was completed on 9 September 2004 in accordance with the final LTMP (EA 1999b). The stream sediment sample (SED-010) was analyzed for LTMP VOCs by EPA Method 8260B.

The stream sediment samples were collected with a modified version of the EasyDraw® sampler, preserved with sodium bisulfate and methanol, then extracted for VOC analysis using EPA Method 5035. This collection, preservation, and extraction methodology was agreed upon at the 2 August 2000 Technical Meeting (EA 2000). Revisions to the draft LTMP were completed in July 2001 (EA 2001b) and reflect the changes to the collection, preservation, and extraction procedures.

Table 1-1 provides a summary of the stream sediment sampling program completed during Monitoring Event 25. Table B-6 summarizes analytical results for the stream sediment sample. Appendix D contains the Form I summary table for the analysis performed. The sample location is shown on Figure 1-2.

1.6 Visual Inspection

Site inspection activities at Site 9 were completed by the field team leader on 8 September 2004 in accordance with the final LTMP (EA 1999b). There was no evidence of stressed vegetation. The site monitoring wells were observed to be capped, labeled, locked, and in good condition.

1.7 Quality Assurance and Quality Control

A rigorous quality assurance/quality control program is required to meet the data quality objectives of the sampling program, as outlined in the LTMP and QAPP (EA 1999b). The data obtained during Monitoring Event 25 were determined to be of sufficient quality to be used to evaluate the long-term effectiveness of the remedial action (i.e., natural attenuation with monitoring). Table B-7 provides a summary of quality control samples collected from Site 9 on 8 September 2004. Three (3) field duplicate samples were collected and analyzed as field quality control samples. The results of the duplicate samples are summarized in Appendix B.

1.8 Analytical Data Quality Review

A review of laboratory data was performed on selected quality control parameters to evaluate the precision, accuracy, completeness, and comparability data quality objective requirements. A complete summary of the analytical data quality review is provided in Appendix E. Method detection limits for solid and aqueous media are included in Appendix E.

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 Water Level Gauging Program

Results of the water level and pond elevation gauging programs conducted on 9 September 2004 indicate that groundwater flow is generally to the south at Site 9, toward the unnamed stream and two impoundment ponds located south of Neptune Drive. The interpreted flow pattern upgradient of Site 9 is to the south-southwest. The interpreted hydraulic gradient shows an increasing gradient to the south of Neptune Drive to the impoundments. The steepest hydraulic gradients are observed in the vicinity of the northern and southern branches of the unnamed stream and in the vicinity of the impoundment ponds south of Neptune Drive. The general groundwater flow direction in Site 9 is to the south-southeast. The hydraulic gradient between the southwest end of Burbank Avenue and just above the impoundment dam (MW-NASB-076) is 0.012 (1.19 feet per 100 feet). This groundwater flow pattern is consistent with previous gauging results.

Based on data collected on 9 September 2004, the following observations were noted:

- Shallow groundwater north of Neptune Drive flows toward the northern branch of the unnamed streams and associated branch of the lower impoundment pond.
- Groundwater flow from the portion of Site 9 that is west and immediately south of Building 201 is toward the east or northeast, into the “trough” leading toward the Lower Impoundment Pond.
- Groundwater flow at MW-NASB-077 and MW-NASB-078 is to the south away from the upper impoundment pond.
- The upper impoundment pond appears to act as a groundwater drain for shallow groundwater.

Tables 1-2 and 1-3 provide water level measurements on 9 September 2004 at Site 9 and the Naval Exchange Service Station.

2.2 Groundwater Monitoring and Sampling Program

This section presents the results of field and laboratory testing of groundwater.

2.2.1 Field Water Quality Parameters

Water quality indicator parameters, including pH, conductivity, temperature, dissolved oxygen, Eh, and turbidity, were measured during well purging and surface or leachate water sampled

on 8 September 2004. Although not required by the final LTMP, oxidation-reduction potential was also recorded. Field-measured water quality indicators are presented in Tables 1-4 and 1-5.

2.2.2 Analytical Results

Appendix B (Tables B-1 through B-7) provide analytical data from the September 2004 sampling event. Groundwater samples were collected by low-flow sampling method and by aqueous diffusion samplers. Appendix C provides trend graphs of analytical results. Historical trend graphs for select sampling points and compounds at Site 9 from 1995 through 2004 are also included in this report (Figures 2-1 and 2-2). A comparison of the results for the groundwater sampling and analysis program conducted at Site 9 indicates the following.

2.2.2.1 Volatile Organic Compounds

Spikes in VOC and vinyl chloride concentrations, followed by decreasing concentrations, have been observed in samples from site wells throughout the Long-Term Monitoring Program. Overall, data results show (Figure 2-1) that concentrations of 1,2-dichloroethene (1,2-DCE) has leveled off or have decreased over the last 2-3 years appearing to have reached a maximum in 2001. Concentrations of vinyl chloride have decreased between 2000 and the spring of 2004.

The source of the 1,2-DCE (the likely parent of the vinyl chloride observed at Site 9) is probably a product of anaerobic dechlorination of TCE. Based on long-term monitoring data, the increase in 1,2-DCE concentrations (up to 2001, since then has leveled off or decreased) appears to be limited to the groundwater present in the central portion of Site 9.

Figure 2-2 shows the historical trends of VOCs and vinyl chloride from seven wells at Site 9 where vinyl chloride has been detected. The spike in vinyl chloride concentrations, particularly noted at MW-NASB-069, appears to have reached a maximum in 2001, decreased for the next five monitoring events, and then increased to 71.4 µg/L for Monitoring Event 25 (Figure 2-2).

Based on groundwater data collected during historical monitoring events, the vinyl chloride plume at Site 9 is limited to the central portion of the site, although data from a past direct-push sampling investigation indicated a concentration of vinyl chloride (7.1 µg/L) between MW-NASB-071 and MW-NASB-076 (EA 2003b). Figure 2-3 provides a visual reference for these sample points. Detections of vinyl chloride in direct-push S9-B8 in 2003 and TCE in S9-B9 in 2004, possibly represent two likely exit pathways that are not currently monitored.

Because the hydraulic gradient in the lower portion of Site 9 is moderate to steep (0.013 ft/ft), contaminant plume widths are expected to be relatively narrow if source areas other than the suspected ash landfill are small (considered likely). Given this expectation, groundwater monitoring in the current interpreted discharge area (S9-B8/MW-NASB-076 locality) appears to be inadequate. The basis for this conclusion is that the 10-foot screen in MW-NASB-076 intercepts the water table, leaving over 10 feet of sand above the clay unsampled (see Figure 5 of the October 2003 direct-push report). Vinyl chloride was detected at 7 µg/L in S9-B8 at the following two depth intervals: (1) at an elevation comparable to the

bottom of the MW-NASB-076 screen and, (2) 8 feet deeper. However, the May and October 2003 long-term monitoring results showed no VOC detection in MW-NASB-076, which apparently was within the plume in the past.

It therefore cannot be conclusively shown that the existing monitoring well network is likely to effectively track changes in groundwater concentrations of VOCs. Action items from the December 2004 Technical meeting include the installation of a new groundwater monitor well in the southwest corner of the IC boundary in proximity to B10. The new well will be screened deep to assess groundwater conditions above the clay formation. The schedule for the well will be concurrent with the replacement of abandoned wells following completion of soil removal activities at Site 9, around September/October 2005.

The following results are noted for Monitoring Event 25:

- ***Monitoring Well MW-NASB-021*** – VOC concentrations remained similar to results from past monitoring events (non-detect) in the deep diffusion sample.

- ***Monitoring Well MW-NASB-022*** – VOC concentrations decreased to non-detect after an increase of total VOCs for Monitoring Event 24 in the deep diffusion sample.

- ***Monitoring Well MW-NASB-069*** – Concentrations in the deep diffusion sample for total VOC and vinyl chloride increased while the total 1,2-DCE increased slightly since the last monitoring event. As per previous sampling events, vinyl chloride exceeds both the State Maximum Exposure Guideline (MEG, 0.15 µg/L) and Federal Maximum Contaminant Level (MCL, 2 µg/L) in the deep diffusion and shallow diffusion at 71.4 and 40.5 µg/L, respectively. These concentrations have increased from the past sampling event, where the respective deep and shallow diffusion results were 16.7 and 25.1 µg/L, respectively for vinyl chloride. Concentrations for the shallow diffusion sample for total VOC, vinyl chloride, and total 1,2-DCE increased compared to the last monitoring event.

  This monitoring well is located within the central portion of Site 9 (Figure 2-3), and has historically shown the highest concentrations of vinyl chloride throughout the duration of the Long-Term Monitoring Program (1995-2004). Overall, since 1998, the concentration of vinyl chloride at this monitoring well location has ranged from approximately 3.0 µg/L to approximately 75 µg/L.

  Concentrations in the deep and shallow diffusion sample for 1,1-dichloroethane (DCA), ethylbenzene, toluene, and total xylenes remained at non-detect, the same as the last monitoring event.

- ***Monitoring Well MW-NASB-071*** – VOC concentrations remained similar to results from the last monitoring event (non-detect) in the deep diffusion sample.

- ***Monitoring Well MW-NASB-072*** – Concentrations for total VOC and total 1,2-DCE continue to decrease from Monitoring Event 21 in the deep diffusion

sample. Vinyl chloride remained non-detect in this event and Monitoring Event 24. Overall, since 1998, the concentration of vinyl chloride has decreased to non-detect at this monitoring well location.

- ***Monitoring Well MW-NASB-074*** –Total VOC and total 1,2-DCE concentrations remained at very low concentrations, and a decreasing trend is seen versus Monitoring Event 24 in the deep diffusion sample. Vinyl chloride concentrations at this monitoring well have remained non-detect since 1997. Trichloroethene (TCE) concentrations (between 1 and 2 µg/L) have remained steady since the first detection in April 2002. Monitoring Event 25 TCE concentrations show a decreasing trend since the last event.

  Concentrations for ethylbenzene, toluene, and total xylenes remained similar to results from the last monitoring event (non-detect) in the deep diffusion sample.

- ***Monitoring Well MW-NASB-075*** – VOC concentrations remained similar to results from Monitoring Event 24 (non-detect) in the deep diffusion sample.

- ***Monitoring Well MW-NASB-076*** – VOC concentrations were non-detect at this well. Total VOC and vinyl chloride results have been non-detect since a detect from Monitoring Event 19 in the deep diffusion sample.

- ***Monitoring Well MW-NASB-080*** – Concentrations for total VOC and vinyl chloride increased since Monitoring Event 24. 1,1-DCA and total 1,2-DCE were non-detect. Total VOC increased to 15.2 µg/L, which is the highest value recorded since September 2002. The dramatic increase is due to the detection of benzene for the first time at a concentration of 13 µg/L, which exceeds both the State MEG and Federal MCL (5 µg/L). Benzene has historically been detected at Site 9 at levels below the MEG criteria (non-detect). Monitoring will continue to ascertain trends in benzene concentrations. There are no known applications of benzene at this site. Demolition has recently occurred at the site, but there is no clear-cut correlation between the demolition activity and the increased benzene detections. Vinyl chloride exceeded the State MEG (0.15 µg/L) or the Federal MCL (2 µg/L) during this monitoring event.

  Toluene, ethylbenzene, and total xylene concentrations remained similar to results from the last monitoring event (non-detect).

- ***Monitoring Well MW-NASB-227*** – Total VOCs, total 1,2-DCE, and TCE detections have decreased since Monitoring Event 24.

  Toluene, ethylbenzene, vinyl chloride, and 1,1-DCA concentrations remained similar to results from the last monitoring event (non-detect).

2.2.2.2 Semivolatile Organic Compounds

- ***Monitoring Well MW-NASB-069*** – Semivolatile concentrations remained the same as compared to the last monitoring (non-detect) except for a detection of

bis(2-ethylhexyl)phthalate at a concentration of 3.5 µg/L and 3.8 µg/L (duplicate). This is an increase from 0.093 J µg/L detected during the April 2004 monitoring event. No State MEG or Federal MCL exists for this SVOC.

- ***Monitoring Well MW-NASB-070*** – Semivolatile concentrations remained the same as compared to the last monitoring (non-detect), except for a detection of bis(2-ethylhexyl)phthalate at a concentration of 3.4 µg/L. No State MEG or Federal MCL exists for this SVOC.

- ***Monitoring Well MW-NASB-079*** – Semivolatile concentrations remained the same as compared to the last monitoring (non-detect), except for a detection of fluoranthene and pyrene at a concentration of 1.2 µg/L and 1.3 µg/L, respectively. No State MEG or Federal MCL exists for these SVOCs.

2.2.2.3 Inorganics – Metals

- ***Monitoring Well MW-NASB-069*** – Concentrations for chromium decreased since the last monitoring event from 8.3 J µg/L to 0.98 µg/L, far below the State MEG and Federal MCL of 100 µg/L. Historically, cadmium concentrations have remained consistently low since 1999 while the chromium concentration ranges from non-detect to approximately 35 µg/L (including three spikes: one in 2000, one in 2001, and one 2004).

  Concentrations for metals that have no Federal MCL or fall under Secondary Drinking Water Regulations (SDWRs), such as calcium, manganese, magnesium, iron, sodium, and potassium, have remained similar since the last monitoring event; however, manganese continues to exceed both the Federal MCL (SDWR) and State MEG while aluminum and iron exceeded the Federal MCL (SDWR). The concentration of manganese has historically decreased since 1999 from about 700 µg/L to about 400 µg/L. Although these metals exceed the Federal MCL they 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.

- ***Monitoring Well MW-NASB-070*** – Historically, cadmium concentrations have remained consistently low since 1999, while the chromium concentration ranged from non-detect to approximately 9 µg/L (including five spikes: one in 1999, one in 2000, one in 2001, one in 2003, and one in 2004).

  Concentrations for barium, chromium, cobalt, magnesium, and nickel remained similar since the last monitoring event. Manganese remains in exceedance of both the Federal MCL (SDWR) and State MEG. The concentration of manganese has ranged from 100 µg/L to approximately 1500 µg/L, and has exceeded the SDWR (50 µg/L) seven times since the spring 1999 and above the State MEG (200 µg/L) during each monitoring event.

- ***Monitoring Well MW-NASB-079*** – Historically, the concentration of cadmium has remained consistently low (at/near non-detect) since 1995 as well as the concentration of

chromium, with the exception of one spike that occurred in 1998.

Concentrations for aluminum, barium, cadmium, calcium, chromium, cobalt, iron, magnesium, nickel, potassium, and zinc remained about the same since the last monitoring event. Manganese concentrations remained at historical levels during this monitoring event after a peak level during Monitoring Event 23. The concentration of manganese has historically remained similar since 1995, ranging between 60 and 150 μg/L, with the exception of a spike during this monitoring event of 655 μg/L.

2.3 Surface Water Sampling Program

A comparison of the results for the surface water sampling and analysis program conducted at Site 9 during Monitoring Event 25 is listed below.

- ***Surface Water Sample SW-010*** – The total VOC and vinyl chloride concentrations continue to be non-detect, similar to the last monitoring event. Historically, total VOC and vinyl chloride concentrations have remained consistently low, ranging between non-detect and approximately 3 μg/L, with the exception of one spike in the total VOC concentration in 1996.

2.4 Seep Sampling Program

A comparison of the results for the seep sampling and analysis program conducted at Site 9 during Monitoring Event 25 is listed below.

- ***Leachate Seep Sample LT-901*** – Total VOC and vinyl concentrations remained the same since the last monitoring event (non-detect). Historically, the concentration of vinyl chloride has remained at non-detect levels since 1995, while the concentration of total VOCs has ranged from non-detect to approximately 2 μg/L, with the exception of three spikes between 8 and 12 μg/L (one in 1995, one in 1997, and one in 1998).

2.5 Sediment Sampling Program

A comparison of the results for the sediment sampling and analysis program conducted at Site 9 during Monitoring Event 25 is listed below.

- ***Sediment Sample SED-10*** – Total VOC concentrations decreased to non-detect and vinyl chloride concentration remained the same (non-detect) since the last monitoring event. Historically, the concentration of vinyl chloride has remained consistently low (<2 μg/kg). Since 1995, total VOC concentrations have ranged from non-detect to approximately 64 μg/kg.

3.0 LONG-TERM MONITORING OBJECTIVES AND RECOMMENDATIONS

The following lists the objectives specified in the Site 9 LTMP, and provides conclusions as to whether the long-term monitoring event was successful in achieving these objectives or whether changes to the monitoring program are recommended.

3.1 Long-Term Monitoring Objectives

The following lists the uses for the data collected during the Long-Term Monitoring Program as specified in the Site 9 LTMP, and provides conclusions on the degree of success in achieving these objectives.

- ***LTMP Objective*** *– Monitor changes in the plume boundaries and potential migration pathways.*

  Based on recent site groundwater analytical data from the long-term monitoring network (2003 borehole sampling), the extent of the vinyl chloride plume is not well delineated downgradient of Site 9. Groundwater and surface water are considered to be the migration pathways for site contaminants. At MW-NASB-069, the concentration of vinyl chloride increased in the shallow diffusion sample and markedly increased in the deep diffusion sample. No significant vinyl chloride concentrations have been noted in surface water for Monitoring Event 25. The upper and lower impoundment ponds are likely to facilitate volatilization of vinyl chloride if impacted groundwater reaches these surface water bodies.

- ***LTMP Objective*** *– Monitor effectiveness of the remedial action for the protection of human health and the environment.*

  The selected remedy for Site 9 includes utilizing natural attenuation with monitoring to reduce volatile organic contaminants present in groundwater; implementing institutional controls such as land use restrictions to prevent human contact with groundwater and landfill contents; and long-term monitoring of groundwater to verify that the landfill contents are not impacting groundwater, to monitor the progress of natural attenuation, and to monitor for contaminant plume migration. These remedial measures appear to be successful in protecting human health and the environment, and site use restrictions are currently preventing human contact with site groundwater or surface water. No stressed vegetation was observed at Site 9 during this monitoring event.

- ***LTMP Objective*** *– Evaluate whether the inactive landfill contents are impacting groundwater.*

  Long-term monitoring groundwater data from three wells located downgradient (MW-NASB-069, MW-NASB-070, and MW-NASB-079) of the landfill indicate no significant impacts from the inactive landfill. Concentrations of inorganics and

semivolatile organic compounds are below applicable State MEG and Federal MCL guidance.

- ***LTMP Objective*** *– Monitor the VOC contamination to evaluate the effectiveness of natural attenuation and determine trends with time.*

  Groundwater data from the long-term monitoring network indicate natural attenuation with monitoring appears to be successful in reducing vinyl chloride, which is the primary contaminant of concern at the site. Overall concentrations of this compound have been steady or decreasing in recent sampling events and have shown significant decreases since maximum concentrations were noted in 2001 and 2002. Vinyl chloride increased to near the historic maximum concentrations in the shallow and deep diffusion sample at MW-NASB-069.

- ***LTMP Objective*** *– Monitor impact to the environment due to Site 9.*

  Impacts to the environment due to Site 9 appear to be minimal. The relatively low concentrations of VOCs and other groundwater analytes are not likely to have a significant impact to environmental conditions within the site or downgradient of Site 9.

3.2 Conclusions and Recommendations

Based on an analysis of the data collected at Site 9 as part of the Long-Term Monitoring Program, the following conclusions and recommendations are made:

- **Conclusion** – In general VOC and vinyl chloride concentrations have remained stable or have shown a general decreasing trend during the last two years of sampling. Based on recent site groundwater analytical data from the long-term monitoring network (2003 borehole sampling), the extent of the vinyl chloride plume is not fully delineated downgradient of Site 9 in the vicinity of MW-NASN-076.

- **Recommendations** – Continue long-term monitoring and sampling as per the latest version of the LTMP (as modified or updated per stakeholder technical meetings) to assess the effectiveness of natural attenuation with long-term monitoring – the selected remedy for the site.

  With the 2004 detection of TCE at the MCL/MEG at S9-B10, the VOC plume is apparently not adequately delineated. In addition, MW-NASB-076 should be replaced with a deeper screen at a location close to S9-B8. Thus, new monitoring wells should be installed at Site 9.

  According to the *Revised Proposal for Optimizing Groundwater Samples Collected as Part of Long-Term Monitoring, Naval Air Station, Brunswick, Maine* dated 4 November 2004, Site 9 sampling at MW-NASB-069 (shallow and deep) and MW-NASB-80 will remain unchanged at this time. Recommended changes are summarized below:

Monitoring Well	Recommended Changes
MW-NASB-021	Sample once every two years
MW-NASB-022	Sample once every two years
MW-NASB-069 (low-flow sample)	Consider dropping SVOCs and Metals
MW-NASB-070	Annual sampling, reassess after landfill is removed (flush mount)
MW-NASB-071	Annual sampling
MW-NASB-072	Consider replacing MW-NASB-072, MW-NASB-074, and MW-NASB-075 with one new well to monitor southern boundary of vinyl chloride plume after demolition and excavation
MW-NASB-074	Consider replacing MW-NASB-072, MW-NASB-074, and MW-NASB-075 with one new well to monitor southern boundary of vinyl chloride plume after demolition and excavation
MW-NASB-075	Consider replacing MW-NASB-072, MW-NASB-074, and MW-NASB-075 with one new well to monitor southern boundary of vinyl chloride plume after demolition and excavation
MW-NASB-076	Annual sampling, “new well” with deeper screen, semi-annual
MW-NASB-079	Remove as part of excavation
MW-NASB-227	Annual sampling

4.0 REFERENCES

EA Engineering, Science, and Technology, Inc (EA). 1996. Final Report, Quarterly Monitoring Event 4 –November 1995, Site 9: Neptune Drive Disposal Site, Naval Air Station, Brunswick, Maine. February.

EA. 1999a. Final Record of Decision for Site 9, Naval Air Station, Brunswick, Maine. September.

EA. 1999b. Final Long-Term Monitoring Plan, Site 9: Neptune Drive Disposal Site, Naval Air Station, Brunswick, Maine. August.

EA. 2000. Technical Meeting Minutes. 2 August.

EA. 2001a. Summary of the April 2001 Aqueous Diffusion Sampling Pilot Study for Site 9, Naval Air Station, Brunswick, Maine. August.

EA. 2001b. Draft Revision No. 1, Long-Term Monitoring Plan, Site 9, Naval Air Station, Brunswick, Maine. July.

EA. 2003a. Draft Diffusion Sampler Proposal, Naval Air Station, Brunswick, Maine. 12 March.

EA. 2003b. Direct-Push Groundwater and Ash Landfill/Dump Area Delineation Investigation Summary Report for Site 9, Naval Air Station, Brunswick, Maine. October.

EA. 2004. *Revised Proposal for Optimizing Groundwater Samples Collected as Part of Long-Term Monitoring, Naval Air Station, Brunswick, Maine.* November.

TABLES

TABLE 1-1
SUMMARY OF LONG-TERM MONITORING PLAN AT SITE 9
FOR MONITORING EVENT 25

Well Designation	Previous Well Designation	Monitoring Frequency	LTMP Sample Parameters			Monitoring Event 25			
			VOC	SVOC	Metals	Field Parameters [(a)]	Gauged	Low-Flow Sample	ADS
Monitoring Wells									
MW-NASB-069	MW-901	Bi-Annual	X	X	X	X	X	X	X
MW-NASB-070	MW-902	Bi-Annual	NR	X	X	X	X	X	NR
MW-NASB-071	MW-903	Bi-Annual	X	NR	NR	X	X	NR	X
MW-NASB-072	MW-904	Bi-Annual	X	NR	NR	X	X	NR	X
MW-NASB-074	MW-906	Bi-Annual	X	NR	NR	X	X	NR	X
MW-NASB-075	MW-907	Bi-Annual	X	NR	NR	X	X	NR	X
MW-NASB-076	MW-908	Bi-Annual	X	NR	NR	X	X	NR	X
MW-NASB-079	MW-914	Bi-Annual	NR	X	X	X	X	X	NR
MW-NASB-080	MW-915	Bi-Annual	X	NR	NR	X	X	NR	X
MW-NASB-021	None	Bi-Annual	X	NR	NR	X	X	NR	X
MW-NASB-022	None	Bi-Annual	X	NR	NR	X	X	NR	X
MW-NASB-227	None	Bi-Annual	X	NR	NR	X	X	NR	X
Leachate Station									
LT-901 (SEEP)	---	Bi-Annual	X	NR	NR	X	NR	NR	NR
Surface Water									
SW-010	---	Bi-Annual	X	NR	NR	X	NR	NR	NR
Sediment									
SED-010	---	Bi-Annual	X	NR	NR	X	NR	NR	NR
Pond Elevation Stations									
SG-1C	---	Bi-Annual	NR	NR	NR	X	X	NR	X
SG-2	---	Bi-Annual	NR	NR	NR	X	X	NR	X

NOTES:

(a) Determination of field parameters in accordance with EPA/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. Includes water level measurement.

ADS = aqueous diffusion sampler
LT = leachate
LTMP = Long Term Monitoring Program
NASB = Naval Air Station Brunswick
NR = procedure not required
MW = monitoring well
SED = sediment
SG = stream gauge
SVOC = semivolatile organic compound
SW = surface water
VOC = volatile organic compound
X = Well selected for sample and analysis for this parameter

TABLE 1-2
MONITORING WELL GAUGING SUMMARY, SITE 9
9 SEPTEMBER 2004

Well Designation	Top of Well Riser Elevation (feet AMSL)	Depth to Well Bottom (feet below Top of PVC Riser)	Depth to Water (feet below Top of PVC Riser)	Water Table Elevation (feet AMSL)
MW-NASB-069	57.35	42.42	10.99	46.36
MW-NASB-070	58.26	27.32	11.98	46.28
MW-NASB-071	46.25	21.54	2.22	44.03
MW-NASB-072	49.81	14.63	9.27	40.54
MW-NASB-073	51.71	32.12	8.54	43.17
MW-NASB-074	51.68	27.12	9.46	42.22
MW-NASB-075	54.91	21.22	13.58	41.33
MW-NASB-076	52.79	19.94	11.29	41.50
MW-NASB-077	58.89	37.29	15.09	43.80
MW-NASB-078	53.74	14.93	10.01	43.73
MW-NASB-079	58.15	18.92	11.90	46.25
MW-NASB-080	58.51	19.04	11.29	47.22
MW-NASB-081	58.22	18.85	10.98	47.24
MW-NASB-021	57.35	50.30	11.62	45.73
MW-NASB-022	59.52	17.97	10.47	49.05
MW-NASB-204	62.09	17.93	9.47	52.62
MW-NASB-227	58.39	40.60	10.12	48.27
Pond Elevation Stations				
SG-1C	42.41[(a)]	NA	3.74	46.15[(a)]
SG-2	34.41[(a)]	NA	4.54	38.61[(a)]

NOTES:

(a) Measurement from surveyed point on staff gauge. Zero mark on the staff gauge is the measured elevation.

AMSL= above mean sea level
MW = monitoring well
NA = not applicable
PVC = polyvinyl chloride
SG = stream gauge

TABLE 1-3
MONITORING WELL GAUGING SUMMARY,
NAVY EXCHANGE SERVICE STATION
9 SEPTEMBER 2004

Well Designation	Top of Well Riser Elevation (feet AMSL)	Depth to Well Bottom (feet below Top of PVC Riser)	Depth to Water (feet below Top of PVC Riser)	Water Table Elevation (feet AMSL)
MW-NASB-8	59.22	13.15	2.91	56.31
MW-NASB-9	59.00	11.50	3.66	55.34
MW-NASB-10	62.03	12.48	6.69	55.34
MW-NASB-23	67.29	21.90	7.91	59.38
MW-NASB-24	65.31	13.15	6.36	58.95
MW-NASB-25	64.34	14.70	6.83	57.51
MW-NASB-26	66.61	12.55	7.85	58.76
MW-NASB-225	64.61	3.35	dry	---
MW-NASB-226	62.22	12.68	5.01	57.21
MW-NASB-250	60.21	10.00	1.19	59.02
MW-NASB-251	62.39	8.55	4.41	57.98
MW-NASB-252	60.54	11.75	2.53	58.01

NOTES: AMSL = above mean sea level
MW = monitoring well
PVC = polyvinyl chloride
Monitoring wells listed on this table are not part of Site 9.
Water elevations were collected at the Navy Exchange Service Station wells to provide data upgradient of Site 9.

TABLE 1-4
SUMMARY OF WATER QUALITY INDICATOR PARAMETERS MEASURED IN GROUNDWATER SAMPLES COLLECTED SEPTEMBER 2004 AT SITE 9

Well Designation	Previous Well Designation	pH	Temperature (°C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Eh (mV)
Low-Flow Sampling							
MW-NASB-069	MW-901	5.89	15.69	336	2.52	1	136.8
MW-NASB-070	MW-902	5.70	13.27	129	0.33	1	197.9
MW-NASB-079	MW-914	6.91	17.42	243	0.11	3	-220.6
Diffusion Sampling							
MW-NASB-069	MW-901	6.54	13.47	321	1.98	NC	41.5
		6.62	13.44	373	1.85	NC	22.0
MW-NASB-071	MW-903	7.16	12.46	330	1.52	NC	-29.5
MW-NASB-072	MW-904	6.92	10.57	164	0.61	NC	13.7
MW-NASB-074	MW-906	7.37	10.96	371	1.29	NC	-42.1
MW-NASB-075	MW-907	6.46	12.18	412	2.02	NC	28.8
MW-NASB-076	MW-908	6.87	12.31	368	2.01	NC	-26.3
MW-NASB-080	MW-915	7.22	15.50	370	1.35	NC	-60.3
MW-NASB-021	None	6.33	13.70	303	0.51	NC	233.6
MW-NASB-022	None	6.42	14.70	438	5.29	NC	210.6
MW-NASB-227	None	6.37	12.17	292	0.56	NC	198.0

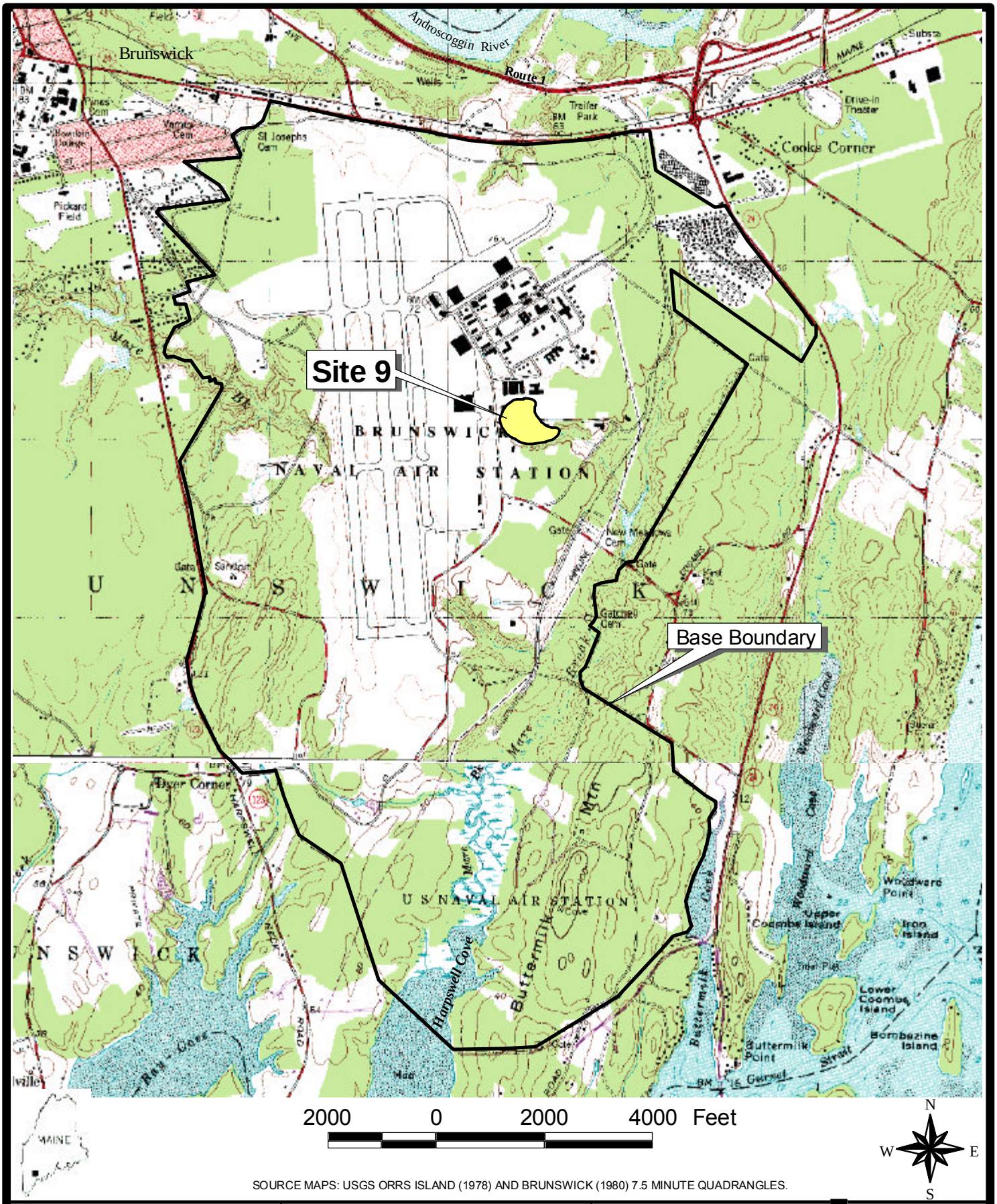
NOTES: °C = Degrees Celsius
µmhos/cm = micromhos per centimeter
mg/L = milligrams per liter
mV = millivolt
MW = monitoring well
NASB = Naval Air Station Brunswick
NTU = nephelometric turbidity unit
NC = not collected
Diffusion sampling water quality data were collected utilizing an in-well YSI 600XLM meter.
Low-flow sampling water quality data were collected utilizing an YSI 600XLM and a Lamotte 2020 turbidity meter.

TABLE 1-5
SUMMARY OF WATER QUALITY INDICATOR PARAMETERS MEASURED IN SURFACE WATER AND LEACHATE SEEP SAMPLES COLLECTED SEPTEMBER 2004 AT SITE 9

Sample Designation	pH	Temperature (°C)	Conductivity (μmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Eh (mV)
Surface Water						
SW010	7.00	15.16	272	6.76	2	-8.5
Leachate Seep						
LT-901	7.36	17.47	390	4.52	8	-24.4

NOTE: °C = degrees Celsius
LT = leachate sample
μmhos/cm = micromhos per centimeter
mg/L = milligrams per liter
mV = millivolt
NTU = nephelometric turbidity unit
SW = surface water

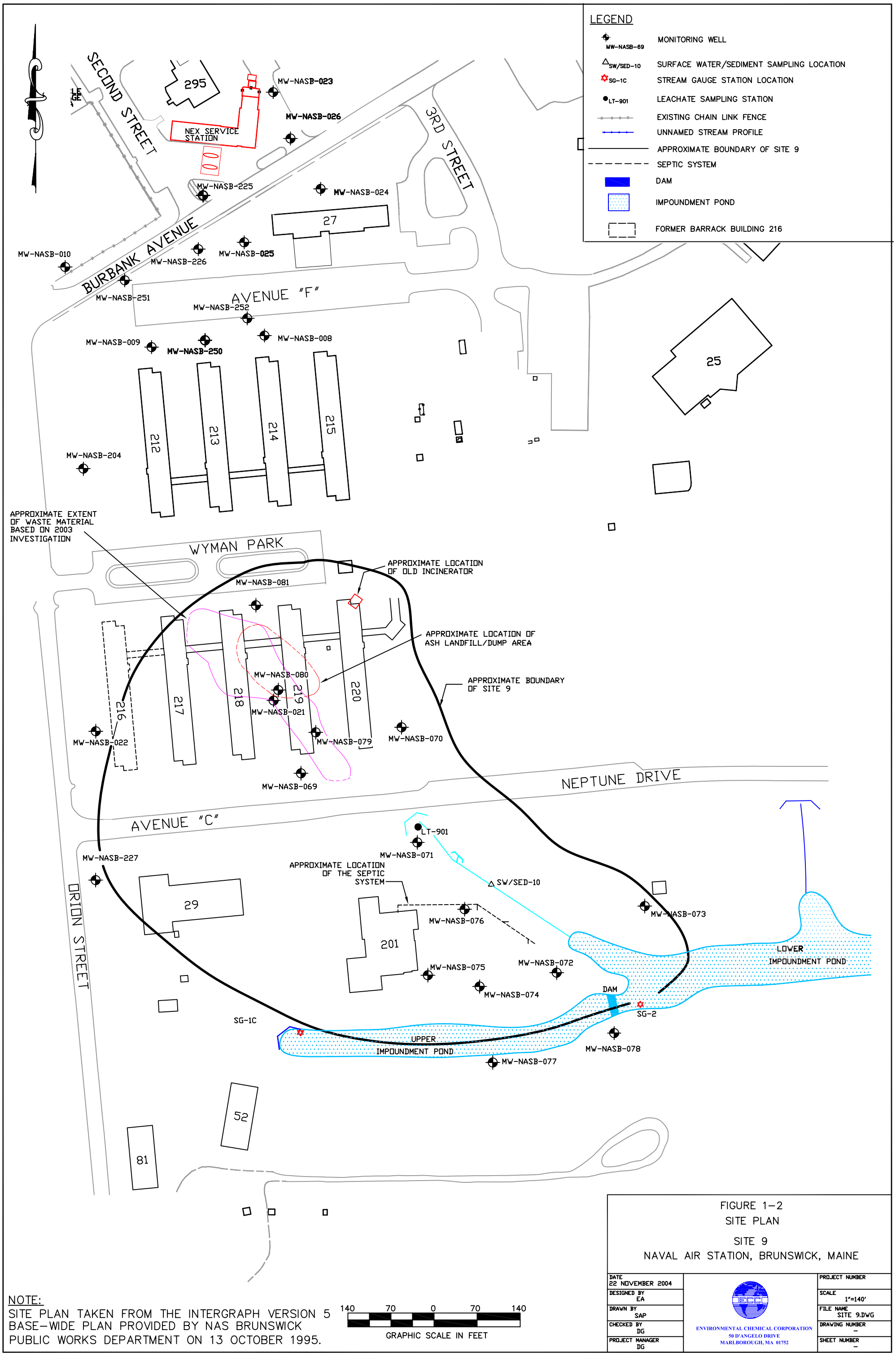
FIGURES



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

	NAVAL AIR STATION BRUNSWICK, MAINE	FIGURE 1-1 SITE LOCATION MAP, SITE 9 (NEPTUNE DRIVE DISPOSAL SITE)

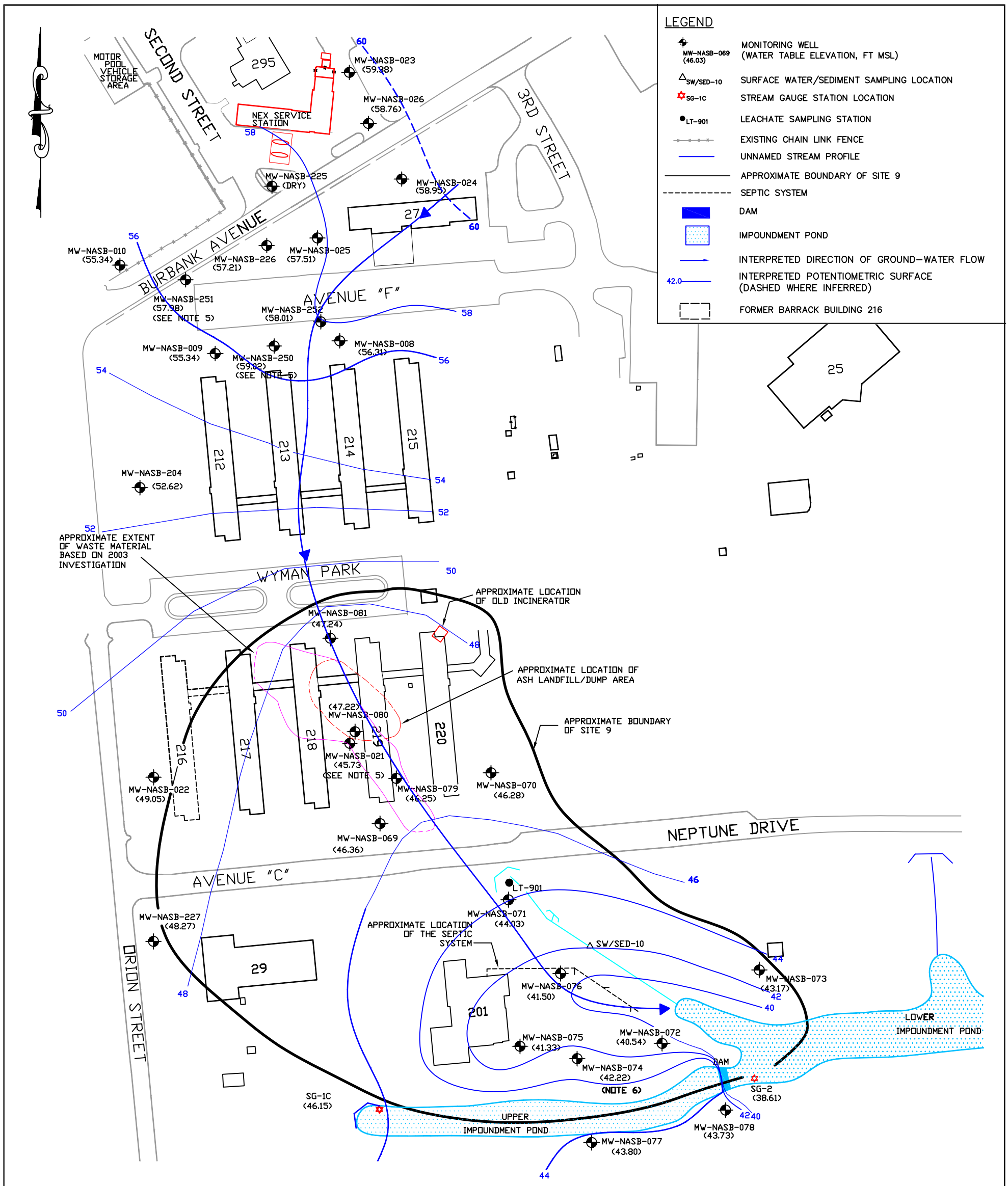
PROJECT MGR	DESIGNED BY	DRAWN BY	CHECKED BY	SCALE	DATE	PROJECT No	FILE No
DG	DC	DC	DG	AS SHOWN	10 SEP 2004		



NOTE:
SITE PLAN TAKEN FROM THE INTERGRAPH VERSION 5 BASE-WIDE PLAN PROVIDED BY NAS BRUNSWICK PUBLIC WORKS DEPARTMENT ON 13 OCTOBER 1995.

FIGURE 1-2
SITE PLAN
SITE 9
NAVAL AIR STATION, BRUNSWICK, MAINE

DATE 22 NOVEMBER 2004	ENVIRONMENTAL CHEMICAL CORPORATION 50 D'ANGELO DRIVE MARLBOROUGH, MA 01752	PROJECT NUMBER
DESIGNED BY EA		SCALE 1"=140'
DRAWN BY SAP		FILE NAME SITE 9.DWG
CHECKED BY DG		DRAWING NUMBER –
PROJECT MANAGER DG		SHEET NUMBER –



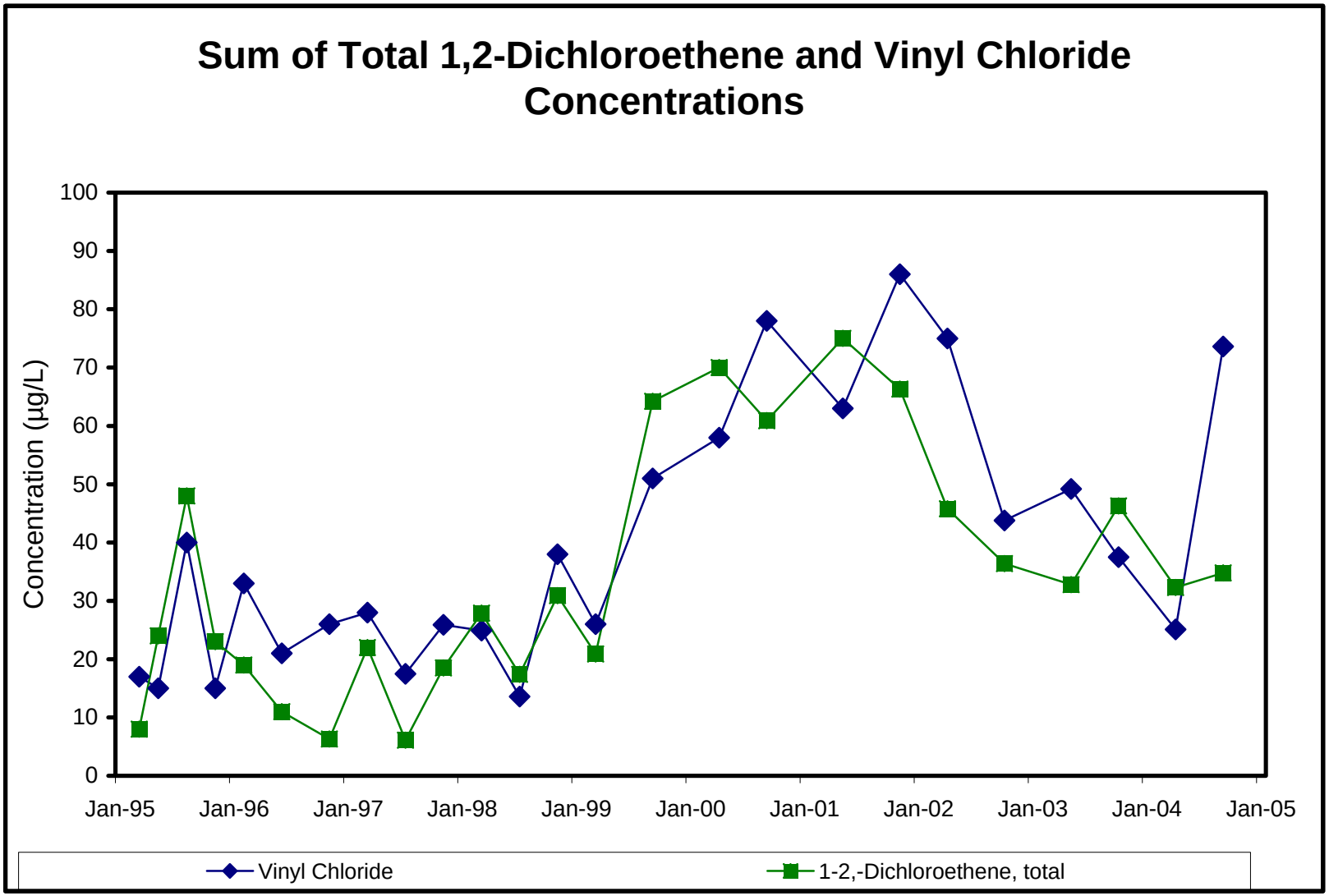
NOTES:

1. SITE PLAN TAKEN FROM THE INTERGRAPH VERSION 5 BASE-WIDE PLAN PROVIDED BY NAS BRUNSWICK PUBLIC WORKS DEPARTMENT ON 13 OCTOBER 1995.
2. SURFACE OF UPPER IMPOUNDMENT POND IS APPROXIMATELY 7.5 FT ABOVE LOWER IMPOUNDMENT POND.
3. CONTOURS REPRESENT EVALUATION OF PROBABLE CONDITIONS BASED ON PRESENTLY AVAILABLE DATA. SOME VARIATION FROM THESE CONDITIONS MUST BE EXPECTED.
4. CONTOUR INTERVAL = 2 FEET
5. MW-NASB-021, MW-NASB-250, AND MW-NASB-251 GAUGING DATA INCONSISTENT NOT USED IN CONTOURS.
6. GROUNDWATER CONTOURING IN THE VICINITY OF MW-NASB-074 AS PRESENTED IS UN-BIASED. THE WATER TABLE ELEVATION AT THIS WELL IS POSSIBLY AFFECTED BY WELL SCREEN POSITION JUST ABOVE THE CLAY UNIT.

140 70 0 70 140

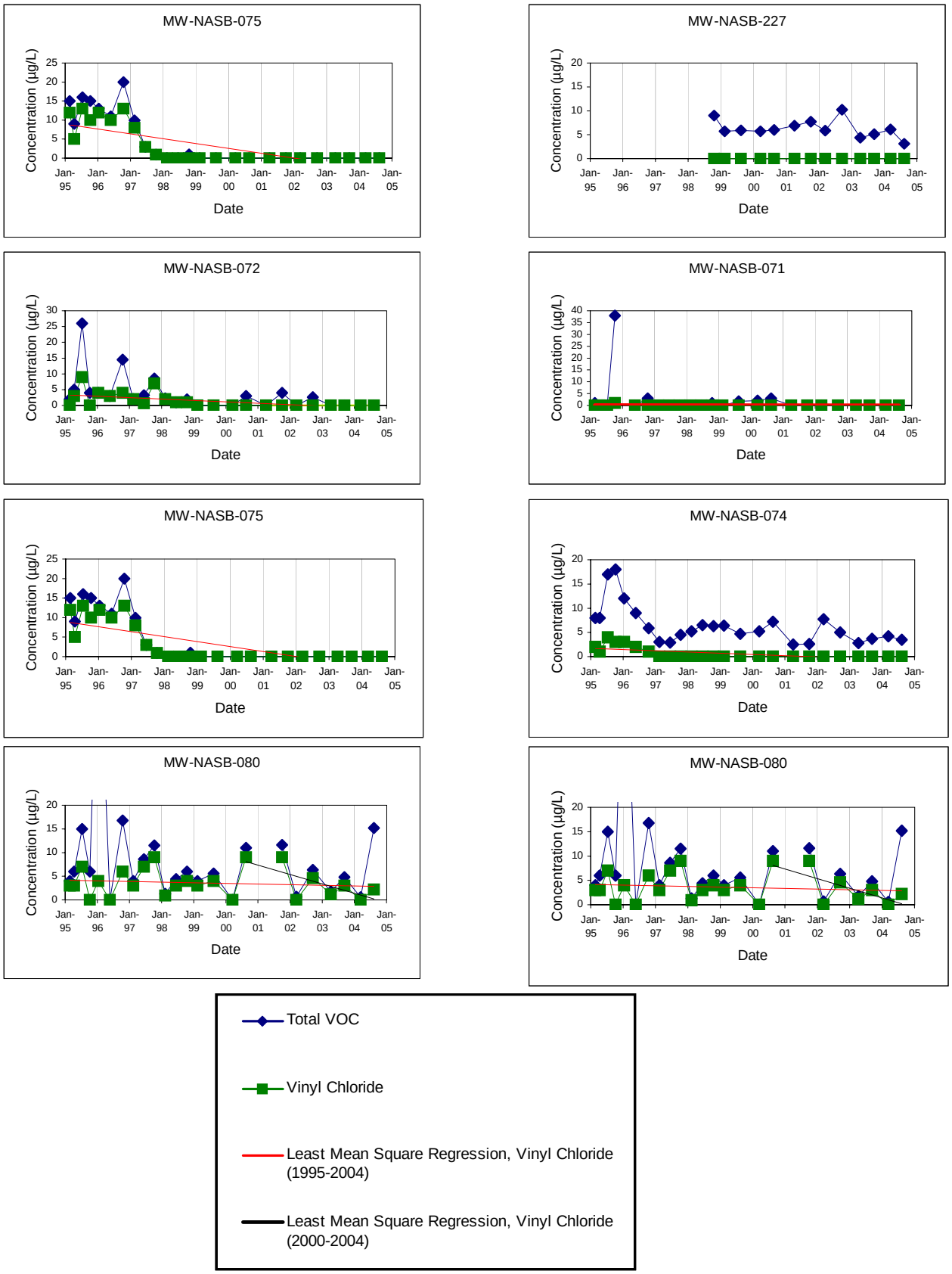
FIGURE 1-3
INTERPRETED POTENTIOMETRIC SURFACE ELEVATIONS, SEPTEMBER 2004 WELL GAUGING DATA
SITE 9
NAVAL AIR STATION, BRUNSWICK, MAINE

DATE 16 NOVEMBER 2004	ENVIRONMENTAL CHEMICAL CORPORATION 50 D'ANGELO DRIVE MARLBOROUGH, MA 01752	PROJECT NUMBER 5700.007
DESIGNED BY EA		SCALE 1"=140'
DRAWN BY EA		FILE NAME SITE 9.DWG
CHECKED BY DG		DRAWING NUMBER –
PROJECT MANAGER DG		SHEET NUMBER –



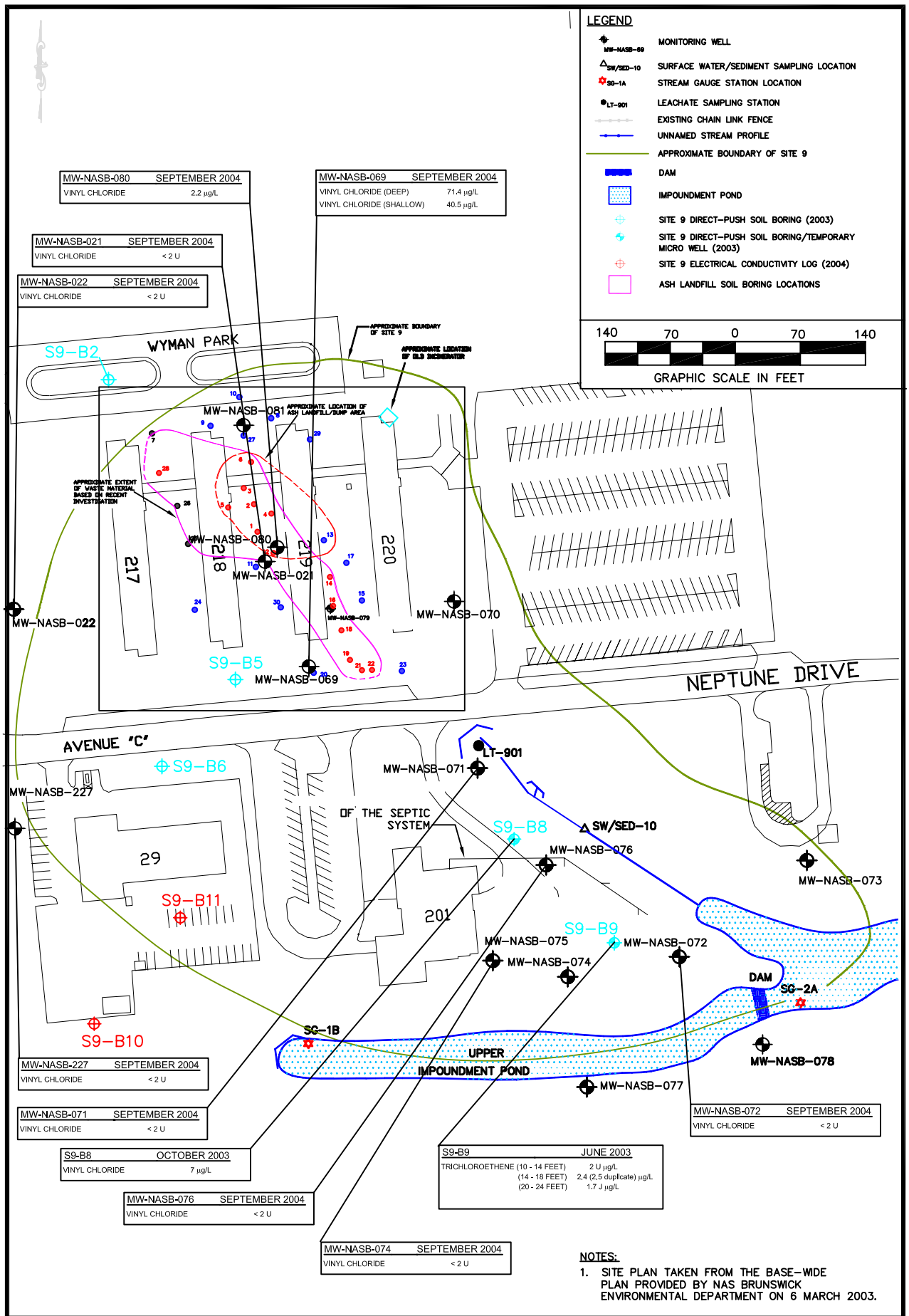
Note: LTMP well MW-NASB-080 was not sampled during the May 2001 LTMP (ME No. 18).
The plotted values represent the sum of the maximum DCE and Vinyl Chloride concentration measured at each well for each sampling event.
Analyte concentrations less than the sample detection limit (2 µg/L) were summed as zero concentrations in these graphs.

Figure 2-1 Sum of vinyl chloride and 1,2-dichloroethene, total concentrations, 1995-2004.



NOTE: Vinyl chloride concentrations less than the detection limit (2 µg/L) are plotted as a zero concentration on these charts. MW-NASB-080 graph scale enlarged to show vinyl chloride trends. Acetone concentration detected in February 1996 is considered a laboratory contaminant and is shown off graph scale.

Figure 2-2. Total Volatile Organic Compounds and Vinyl Chloride Trends, 1995-2004.



NOTES:

1. SITE PLAN TAKEN FROM THE BASE-WIDE PLAN PROVIDED BY NAS BRUNSWICK ENVIRONMENTAL DEPARTMENT ON 6 MARCH 2003.

SITE 9
(NEPTUNE DRIVE DISPOSAL SITE)
NAVAL AIR STATION
BRUNSWICK, MAINE

FIGURE 2-3
TRICHLOROETHENE AND VINYL CHLORIDE GROUNDWATER DETECTIONS

PROJECT MGR	DESIGNED BY	DRAWN BY	CHECKED BY	SCALE	DATE	PROJECT NO	FILE No.
DG	EA	NW	DG	AS SHOWN	12 JANUARY 2005	5700.007	FIGURE 6

APPENDIX A

Response to Comments from the Regulators on the Draft Report
(to be provided with the Final Report)

Responses to MEDEP Comments
Site 9
Regulator Draft Monitoring Event 25 Report, September 2004
Naval Air Station, Brunswick, Maine

Reviewer: Claudia Sait
Date: April 6, 2005 (Additional Comments, June 8, 2005)
Respondent: ECC
Date: April 12, 2005 (June 9, 2005)

Comment #	Location	Comment	Response
1	General	MEDEP's review found a number of contradictions in assessments of the data and details are provided under Specific Comments. (NR)	**Noted.** See responses below.
2	Section 1.1, Page 1-1, 2nd Paragraph	"Table 1 is a summary of the LTMP at Site 9." The title of the table is "Summary of Long-Term Monitoring Program at Site 9 for Monitoring Event 25". The list of acronyms on page iii defines LTMP as "Long-Term Monitoring Plan", which is consistent with historical usage by the Navy and previously released reports. For clarity consistency please use the correct title for Table 1. (ED)	**Concur.** For consistency, the sentence will be reworded to read "Table 1 is a summary of the Long-Term Monitoring Plan at Site 9" and the table will be renamed.
3	Section 1.3, Page 1-2, 1st Paragraph	"… and the addition of MW-NASB-021 to the monitoring well network." Please provide a brief explanation in the text as to the circumstances resulting in MW-NASB-021 being added to the sampling program at Site 9. (ED)	**Noted.** MW-NASB-021 has been sampled as part of the April 2004 monitoring event as well as the September 2003 monitoring event. Deep diffusion sampling of this well was first accomplished in 2001. This is a carry over reference that will be deleted as MW-NASB-021 is an established LTMP monitoring well.
4	Section 1.3, Page 1-2, 3rd Paragraph	"A YSI 600XLM water quality meter was utilized to collect water quality indicator data downhole at low-flow and passive diffusion bag sampling locations." The reading of field parameter data within the well (downhole) during low-flow sampling appears to be a newly invoked procedure, replacing the prior readings of	**Note.** The sentence will be rewritten to avoid confusion to state, "A YSI 600XLM water quality meter was utilized to collect water quality indicator data during low-flow purging using a flow-through cell at ground surface and downhole after the passive diffusion bag was removed."

Comment #	Location	Comment	Response
		parameters within flow-through cells utilized at the ground surface. Please confirm if this monitoring event (ME-25) is the first use of the downhole procedure for low-flow sampling at Site 9. If it is, this change must be described in this report section. MEDEP believes this change should improve representativeness of actual subsurface groundwater measurements. The date of the change needs to be documented in text and tables. (RR)	All low flow sampling is per the USEPA Low Flow Sampling SOP, and the field stabilization parameters are measured using a flow-through cell at the ground surface. For only those MWs sampled exclusively by PDBs, water quality parameters are measured down hole using a YSI 600XLM after PDB retrieval.
5	Section 2.2.2.1, Page 2-2, 1st and 3rd Paragraphs	"The spike in vinyl chloride concentrations, particularly noted at MW-NASB-069, appears to have reached a maximum in 2001, decreasing for the next five monitoring events, and then spiked to 71.4 µg/L for this monitoring event (Figure 4)." "Concentrations of vinyl chloride have decreased between 2000 and 2004." These two statements appear to be contradictory. The second statement can be corrected by inserting "spring of" in front of 2004. (ED)	**Concur.** The first three paragraphs of this section will be rearranged to read: This section will be rearranged to read: "Spikes in VOC and vinyl chloride concentrations, followed by decreasing concentrations, have been observed in samples from site wells throughout the Long-Term Monitoring Program. Overall, data results show (Figure 2-1) that concentrations of 1,2-dichloroethene (1,2-DCE) has leveled off or have decreased over the last 2-3 years appearing to have reached a maximum in 2001. Concentrations of vinyl chloride have decreased between 2000 and the spring of 2004. The source of the 1,2-DCE (the likely parent of the vinyl chloride observed at Site 9) is probably a product of anaerobic dechlorination of TCE. Based on long-term monitoring data, the increase in 1,2-DCE concentrations (up to 2001, since then has leveled off or decreased) appears to be limited to the groundwater present in the central portion of Site 9. Figure 2-2 shows the historical trends of VOCs and vinyl chloride from seven wells at Site 9 where vinyl chloride has been detected. The spike in vinyl chloride concentrations, particularly noted at MW-NASB-069, appears to have reached a maximum in 2001, decreased for the next five monitoring events, and then increased to 71.4 µg/L for Monitoring Event 25 (Figure 2-2).

Comment #	Location	Comment	Response
6	Section 2.2.2.1, Page 2-2, 5th Paragraph	"Given this expectation, groundwater monitoring in the current interpreted discharge area (S9-B8/MW-NASB-076) appears to be inadequate." MEDEP agrees with this assessment. However, the above statement is the opposite as the assessment presented in the first conclusion in Section 3.2, and is obviously incorrect as it also contradicts the bulleted recommendation in Section 3-2, page 3-2. Please bring all three statements into agreement. (ED)	**Concur.** The first conclusions in Section 3.2 will be reworded to read, "Based on recent site groundwater analytical data from the long-term monitoring network (2003 borehole sampling), the extent of the vinyl chloride plume is not fully delineated downgradient of Site 9 in the vicinity of MW-NASN-076."
7	Section 2.2.2.1, Page 2-3, 2nd Paragraph	"The new well will be screened deep to assess groundwater conditions above the clay formation. There was no proposed action to replace MW-076 with a deeper screened well." MEDEP recalls that the regulators endorsed the installation of the deeper screened well at the December 2004 Technical Meeting. It is our understanding that the Navy recognizes the shortcoming of MW-NASB-076, and plans to install a replacement well, but has not yet set a timetable for this work. If this is a correct assumption, the second sentence above needs to be rephrased. (RR & ED) The new well in the southwest corner in the vicinity of B-10 will not address the issue with MW-NASB-076 which is in the southeast corner of Site 9. MEDEP highly recommends that that in addition to the new well in the vicinity of B-10 the Navy consider replacing MW-NASB-076 which is screened too shallow. This would be an opportune time to replace MW-NASB-076 well along with the sentinel well scheduled for the southwest corner. MEDEP recommends that the replacement well for MW-NASB-076 be located 10 to 20 feet north to northwest existing location of MW-076 and within the proximity of S9-B8, but going northward if possible. This is the area where MEDEP believes that the plume axis is arriving at the drainage flowing into the Lower Pond. The new well will	**Noted.** A new well will be installed in the southwest corner of the IC boundary (vicinity of B10) and will be screened to a depth just above the clay layer. This well has been ordered by the Navy to address the concerns with the screened interval at MW-076, which will not be decommissioned but replaced in the LTM program. Navy has agreed to the replacement of the well in the Dec 04 tech meeting. The well will be replaced with a new well, screened deeper. The schedule for the well will be concurrent with the replacement of abandoned wells following completion of soil removal activities at Site 9, around Sept/October 2005.

Comment #	Location	Comment	Response
		need to be installed on the high ground next to the drainage slope, and not in the drainage. (RR)	
8	Section 2.2.2.1, Page 2-4, 4th Bullet	"The dramatic increase is due to the detection of benzene for the first time at a concentration of 13 µg/L, which exceeds both the State MEG and Federal MCL (5 µg/L)." This finding is potentially very significant, as this monitoring well is located within the buried landfill where surface construction work has recently occurred. It is also along a groundwater flow line that projects upgradient (see Figure 3) into a plume containing GRO and DRO compounds that resulted from past operations at the Naval Exchange. (NEX). The groundwater plume at the NEX has undergone pilot-test remediation over the past several years. Under anaerobic conditions, benzene can travel considerable distances dowgradient. Repeat detections of benzene will be cause for concern. (RR)	**Noted:** Benzene is an LTMP VOC, and benzene detections will continue to be reported and evaluated.
9	Section 3.1, Page 3-1, 1st Bullet	"The vinyl chloride plume appears to be stable in size; decreases in size were noted during the last 2 years of sampling, based on long-term monitoring data collected since 1995." Statements concerning the size of the Site 9 vinyl chloride plume have no basis; particularly for comparison over time, as the Navy has not presented any maps showing the plume boundary of the Site 9 groundwater contamination. Plume concentrations may or may not directly reflect plume size. Furthermore, the plume cannot be called stable, while also said to be decreasing in size during the last two years. This entire topic needs to be eliminated or presented coherently. (RR)	**Concur.** This sentence will be removed. The bullet will now read, "Based on recent site groundwater analytical data from the long-term monitoring network (2003 borehole sampling), the extent of the vinyl chloride plume is not well delineated downgradient of Site 9. Groundwater and surface water are considered to be the migration pathways for site contaminants. At MW-NASB-069, the concentration of vinyl chloride increased in the shallow diffusion sample and markedly increased in the deep diffusion sample. No significant vinyl chloride concentrations have been noted in surface water for Monitoring Event 25. The upper and lower impoundment ponds are likely to facilitate volatilization of vinyl chloride if impacted groundwater reaches these surface water bodies."
10	Section 3.1, Page 3-1, 2nd Bullet	"These remedial measures appear to be successful in protecting human health and the environment as the overall vinyl chloride plume is stable or decreasing, and…"	**Noted:** These remedial measures appear to be successful in protecting human health and the environment as the contaminants of concern are not

Comment #	Location	Comment	Response
		Since the plume boundary has not been mapped, the basis for this statement is not clear (see the comment 9 above). VOC concentrations over time are the only measure of plume stability, and the spike in vinyl chloride concentration at MW-NASB-069 (the focal point of the plume) measured for Monitoring Event 25 does not indicate a decreasing plume. The September 2004 concentrations nearly equaled the highest historic concentration of vinyl chloride at this monitoring location. Therefore, the stability of the plume as measured by concentration is also questionable. (RR & ED) This comment is acceptable **if** the statement about the overall vinyl chloride plume being stable or decreasing is deleted. (ED)	impacting surface water bodies (SW-010) and land use controls prevent consumption/exposure to groundwater. **Concur.** The statement about the overall vinyl chloride plume being stable or decreasing will be deleted.
11	Section 3.1, Page 3-2, 1st Bullet	"Vinyl chloride seems to be increasing in the shallow and deep diffusion sample at MW-NASB-069." The context in which this statement is made is unclear. The data clearly show that vinyl chloride did increase markedly from ME-24 to ME-25, nearly equaling the historic maximum at Site 9. MEDEP suggests the following language: *"Vinyl chloride increased to near the historic maximum concentrations in the shallow and deep diffusion sample at MW-NASB-069."* (ED)	**Concur.** The sentence will be reworded to read, "Vinyl chloride increased to near the historic maximum concentrations in the shallow and deep diffusion sample at MW-NASB-069"
12	Section 3.2, Page 3-2	In the Conclusion, the following statement is made: "…the extent of the vinyl chloride plume is well delineated (both upgradient and downgradient of Site 9) and no additional monitoring points are required." Under Recommendations, a contradictory statement occurs: "With the 2004 detection of TCE at the MCL/MEG at S9-B10, the VOC plume is apparently not adequately delineated. In addition, MW-NASB-076 should be replaced with a deeper screen at a location close to S9-B8. Thus, two	**Concur.** See Response to Comment 6.

Comment #	Location	Comment	Response
		new monitoring wells should be installed at Site 9." MEDEP does not agree with the conclusion statement, but does agree with the bullet's recommendation. Please remove the inconsistency. (ED)	
13	Section 3.2, Page 3-3, Table	Under "Recommended Changes", MEDEP agrees with the proposal to replace MW-NASB-072 with a more suitable monitoring well. In regards to MW-NASB-074 and MW-NASB-075, MEDEP's current thinking is that the former should be kept in the network and the latter can be dropped out of the network. Ultimately, all stakeholders should discuss the Navy's proposal as a group, and find a mutually acceptable action. (NR)	**Noted.**
14	Figure 5	Monitoring well MW-NASB-227 is an important monitoring well that is missing from this figure. Total VOCs of this well are nearly always comprised of the potential parent compounds of vinyl chloride, 1,2-DCE and TCE. While the migration connection between MW-NASB-277 and MW-NASB-069 has not been confirmed, VOCs detected at S9-B6 and S9-B10 may come from the MW-NASB-227 area. Please include this well and use a y-axis scale of 0 to 20 µg/L, allowing the fall 2002 total VOC concentration to peak outside the graph (the presentation format used for MW-NASB-080 in Figure 5). (ED)	**Noted.** MW-NASB-227 will be added to the figure.
END OF COMMENTS			

Responses to EPA-New England Comments
Site 9
Regulator Draft Monitoring Event 25 Report, September 2004
Naval Air Station, Brunswick, Maine

Reviewer: Christine A. P. Wiliams
Date: May 3, 2005 (received at ECC)
Respondent: ECC
Date: May 4, 2005

Comment #	Location	Comment	Response
1	General	The Report indicates that the laboratory analytical data was reviewed and a summary of the laboratory analytical review is included in Appendix E. However, there is no indication that the field water quality parameter data (e.g., pH, dissolved oxygen, conductivity, temperature, Eh (ORP), and turbidity) were reviewed. If this field data are to be used to assess environmental conditions at the site then the field data review and the field calibration information needs to be attached to the Report.	**Noted.** See page 1-2, 3rd paragraph. The Field Team Leader (FTL) evaluates the field data in the field to review for completeness, identification of valid samples, anomalous field data, and the FTL reviews the field calibration records. Further review is performed during report preparation when these forms are further reviewed to identify anomalous field data and completeness, which are presented in the report.
2	General	Appendix B Table B-1 (Summary of Ground Water Sample Collected from Site 9 on 8 and 9 September 2004 Volatile Organic Compounds by U.S. Environmental Protection Agency Method 8260B) indicates for the samples collected using diffusion samplers that acetone was detected in the samples. The acetone data needs to be rejected. USGS User's Guide for Polyethylene-Based Passive Diffusion Bag Samplers to Obtain Volatile Organic Compound Concentrations in Wells, 2001, states the following in the Quality Control and Assurance section of the Guide: "Acetone, which is a common laboratory contaminant, does not easily move through the polyethylene diffusion samplers. Thus, acetone inadvertently introduced into the diffusion-sample water during sampler construction may persist in the samplers, resulting in a false positive for acetone after sampler recovery and analysis.	**Noted**: PDB samplers are no longer constructed on-site. They are purchased, as ready to use PDBs, from Columbia Analytical Services (CAS). CAS is an authorized PDB vendor. The CAS water blank associated with these PDB samplers was non-detect for all VOCs. The associated chemical analysis SDG method blank and aqueous trip blanks were non-detect as well. The solids trip blank shipped with the VOC sediment samples has a detect for acetone (33 ug/kg) and methylene chloride (2.8 ug/kg). The associated sediment samples were qualified U (non-detect) on the basis of the solids tripblank. Note: VOC solids tripblanks are in the same types of containers and similar preservation as solid samples.

Comment #	Location	Comment	Response
			The soils and water samples were analyzed on different instruments, but cross contamination may have occurred during sample shipment. During data validation, the VOC sample results were evaluated using similar matrix tripblanks to evaluate cross-contamination. Re-evaluation of the aqueous acetone levels using the solids tripblank acetone level prior to data reduction steps shows that the groundwater acetone results can be qualified as U (non-detect). Note: methylene chloride (2.8 ug/kg) also detected in the solid tripblank was non-detect in all groundwater samples.
3	General	Results are generally consistent with those from recent past events. Significant changes include: - A sharp increase in vinyl chloride in groundwater at MW-NASB-069, which rose from ~15 micrograms (16.7 µg/L) per liter (estimated from plot, Appendix C) in ME24 (Spring 2004) to 71.4 micrograms per liter in the current reporting round (September 2004). The most recent VC remains within the range exhibited at this well since 1999. - A first-time appearance of benzene at MW-NASB-080, which was detected at 13 micrograms per liter, above the MCL of 5 micrograms per liter.	**Noted.** These changes will be monitored in future monitoring events.
4	General	A number of statements in the report concerning the hydraulic potential in the neighborhood of the Upper Impoundment Pond seem to be contradicted by the staff gauge datum for that surface water. Please check the reported water level for SG-1C, and, if correct, revise the conceptual model and the corresponding text for consistency. Please see related Specific Comments.	**Noted.** See responses to specific comments below.

Comment #	Location	Comment	Response
5	Page 1-2, Section 1.3	The text refers the reader to Table 4 for a summary of water-quality parameters. It is noted that MW-NASB-069 is sampled both by the low-flow method and by passive diffusion samplers. As has been noted previously, the ORP measurements taken under the two procedures (at the end of the purge for the low-flow method using a flow-through cell; down-hole following removal of the PDB string for the diffusion sampling method) differ significantly. The low-flow value recorded is 136.8 mV, while that recorded down-hole with the PDB sampling is 41.5 mV. This may reflect a genuine difference between the aquifer water and the static water in the well. However, it serves as a reminder that field parameters collected with the PDB sampling should be viewed with appropriate circumspection.	**Noted.** During the April 2005 Technical Meeting, the consensus among the group was that one reading after the removal of the diffusion samplers was the best method for addressing this issue.. At the present time technology is the limiting factor in getting 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 taken 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 PDB sampling SOP (EA 2003) requires only one-groundwater quality parameter reading after "…sufficient time for field parameters to stabilize". Ten minutes is the average time lag between PDB retrieval and groundwater quality parameter determination which is sufficient time for parameters to stabilize.
6	Page 2-1, Section 2.1	The text states that "... groundwater flow is generally to the south at Site 9, toward the unnamed stream and two impoundment ponds ..." While this is correct in the broader sense of the overall flow pattern, it is noted that the upper impoundment pond stands higher (46.15 ft msl) than the groundwater in surrounding monitoring wells (~41 to 44 ft msl in the nearest wells to the north and south), and the upper pond apparently recharges shallow groundwater to the north and south. Please revise text for consistency	**Noted.** There is the possibility that water from the impoundment pond recharges groundwater to a minor extent, but it can't be proven or disproved. It is also possible the upper pond charges the lower pond.
7	Page 2-1, Section 2.1 2nd Bullet	The text states, "Groundwater flow from the portion of Site 9 that is west and immediately south of Building 201 is likely to flow toward the upper impoundment pond." The potential surface contoured in Figure 3 shows that flow in the area west and south of Building 201 is toward the east or northeast, into the "trough" leading toward the Lower Impoundment Pond. Please revise the text for consistency with the interpretation shown in the figure.	**Concur.** The text will be revised to read, "Groundwater flow from the portion of Site 9 that is west and immediately south of Building 201 is toward the east or northeast, into the "trough" leading toward the Lower Impoundment Pond."

Comment #	Location	Comment	Response
8	Page 2-1, Section 2.1, 3rd Bullet	The text states, "Groundwater flow at MW-NASB-077 and MW-NASB-078 is consistently to the north toward the upper impoundment pond." The Upper Impoundment Pond is higher (46.15 ft msl) than the water levels at these two wells (43.80 and 43.73 ft msl, respectively), suggesting that the upper pond recharges groundwater to the south. Please revise the text for consistency with the interpretation shown in Figure 3.	**Noted.** The elevation data indicates the upper pond could be flowing into MW-NASB-077 and MW-NASN-078, resulting in elevations slightly higher than the upgradient wells (i.e. MW-NASB-074)
9	Page 2-1, Section 2.1, 4th Bullet	The text states, "The upper impoundment pond appears to act as a groundwater drain for shallow groundwater." The interpretation of the potential surface shown in Figure 3 suggests that the upper pond is a "source" of groundwater, and that it is the lower pond that acts as a "drain." Please revise the text for consistency with the interpretation shown in Figure 3.	**Noted.** Data does indicate upper pond is acting as a recharge to shallow groundwater based on this round of data; however, based on historical data the Navy feels that there was either a significant rain event or the gauge has been disrupted.
10	Page 2-2, Section 2.2.2.1, Paragraph 2	The text refers to "... the increase in 1,2-DCE concentrations..." This might be construed as implying that 1,2-DCE has increased through time. Perhaps something like "... the elevated 1,2-DCE concentrations appear to be limited to... the central portion of Site 9" would be more precise.	**Concur.** The text will be revised to read, "Based on long-term monitoring data, the increase in 1,2-DCE concentrations (up to 2001, since then has leveled off or decreased) appears to be limited to the groundwater present in the central portion of Site 9.."
11	Page 2-2, Section 2.2.2.1, Paragraph 3	While it is true that "Concentrations of vinyl chloride have decreased between 2000 and 2004" for many of the Site 9 monitoring wells, it might be noted that an important exception is MW-NASB-069, which shows the highest VC concentrations observed at the site, and has not shown a clear trend over the period 2000 to 2004.	**Concur. See MEDEP response to comment #5.**
12	Page 2-5, Section 2.2.2.3, 2nd Bullet	The text characterizes Mn concentrations at MW-NASB-070 as having "historically remained consistently low." This is not apparent from the data, which show fluctuations within the range 0.1 to 1.5 mg/L (as stated in the report), all of which are above the secondary MCL of 0.05 mg/L. By these measures, Mn is neither low nor "consistent." Please revise.	**Concur.** The text will be revised to read, "The concentration of manganese has ranged from 100 µg/L to approximately 1,500 µg/L and has exceeded the SDWR (50 µg/L) seven times since the spring 1999 and above the State MEG (200 µg/L) during each monitoring event …"

Comment #	Location	Comment	Response
13	Page 3-1, Section 3.1, 1st Bullet	The text states, "Sufficient data is being collected by the existing long-term monitoring network to monitor changes in plume boundaries and potential migration pathways." This seems to be in contradiction to the statement made on p. 2-2, sec. 2.2.2.1, "Detections of vinyl chloride in direct-push S9-B8 in 2003 and TCE in S9-B9 in 2004, possibly represent two likely exit pathways that are not currently monitored." Please revise for consistency.	**See MEDEP Comment 10, Noted:** These remedial measures appear to be successful in protecting human health and the environment as the contaminants of concern are not impacting surface water bodies and land use controls prevent consumption/exposure to groundwater.
14	Page 3-2, Section 3-2, 1st Bullet	The text states, "... the extent of the vinyl chloride plume is well delineated ... and no additional monitoring points are required." This seems to be in contradiction to the statement made immediately below, ".the VOC plume is apparently not adequately delineated." Please revise for consistency.	**Noted**. The Navy is going to install a new well in the SW corner of the IC to better delineate the contaminant plume. The reference to the VOC plume being well delineated will be deleted from the text.
15	Figure 6	Please note that the tag box for S9-B9 has a question mark entered for the TCE concentration detected. Please check for the correct value	**Noted**: The sample date should be 6/6/03 and the data is as follows: 10-14 ft 2 U ug/L 14-18 ft 2.4, 2.5 (duplicate) ug/L 20-24 ft 1.7 J ug/L
END OF COMMENTS			

APPENDIX B

Laboratory Analytical Data Summary Tables

TABLE B-1 SUMMARY OF GROUNDWATER SAMPLES COLLECTED FROM SITE 9 ON 8 AND 9 SEPTEMBER 2004
VOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B

			MW-NASB-021	MW-NASB-022	MW-NASB-069		MW-NASB-069 (Dup)	MW-NASB-071	MW-NASB-071 (Dup)
			Diffusion Sample	Diffusion Sample	Diffusion Sample		Diffusion Sample	Diffusion Sample	Diffusion Sample
			Deep Diffusion Sample	Deep Diffusion Sample	Deep Diffusion Sample	Shallow Diffusion Sample	Shallow Diffusion Sample	Deep Diffusion Sample	Deep Diffusion Sample
Compound/Element	**MEG (a)**	**MCL (b)**							
Total VOC	NC	NC	ND	ND	104	63.1	66.1	ND	ND
1,1-Dichloroethane	70	NC	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
1,2-Dichloroethene, total	70	70	(<2U)	(<2U)	32.6	22.6	23.3	(<2U)	(<2U)
Ethylbenzene	700	700	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Toluene	1,400	1,000	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Vinyl chloride	0.15	2	(<2U)	(<2U)	**71.4**	**40.5**	**42.8**	(<2U)	(<2U)
Xylenes, total	600	10,000	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Acetone	NC	NC	14.6	20.6	18	18	16.1	11.9	12.1
Benzene	5	5	(<0.5U)	(<0.5U)	(<0.5U)	(<0.5U)	(<0.5U)	(<0.5U)	(<0.5U)
Trichloroethene	5	5	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)

			MW-NASB-072	MW-NASB-074	MW-NASB-075	MW-NASB-076	MW-NASB-080	MW-NASB-227
			Diffusion Sample	Diffusion Sample	Diffusion Sample	Diffusion Sample	Diffusion Sample	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	ND	3.5	ND	ND	15.2	3.1
1,1-Dichloroethane	70	NC	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
1,2-Dichloroethene, total	70	70	(<2U)	2.2	(<2U)	(<2U)	(<2U)	1.8
Ethylbenzene	700	700	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Toluene	1,400	1,000	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Vinyl chloride	0.15	2	(<2U)	(<2U)	(<2U)	(<2U)	**2.2**	(<2U)
Xylenes, total	600	10,000	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Acetone	NC	NC	17.9	12.8	14	17	16.4	17
Benzene	5	5	(<0.5U)	(<0.5U)	(<0.5U)	(<0.5U)	**13**	(<0.5U)
Trichloroethene	5	5	(<2U)	1.3	(<2U)	(<2U)	(<2U)	1.3

TABLE B-1 (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:
NC = Criteria not applicable.
MW = Monitoring well.
NASB = Naval Air Station Brunswick.
DUP = Duplicate sample.
Units are micrograms per liter (µg/L).
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 at or above the sample quantitation limit. Shown as (<____U).
J = Estimated concentration.
ND = Not detected.
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.
Chemicals of Concern appear in bold type at the top of the list.
Concentrations highlighted with underlined type denote exceedance of the MEG.
Concentrations highlighted with bold type denote exceedance of the MCL.
Concentrations highlighted with gray denote exceedance of both the MEG and MCL.

TABLE B-2 SUMMARY OF GROUNDWATER SAMPLES COLLECTED FROM SITE 9 ON 8 AND 9 SEPTEMBER 2004
SEMIVOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8270C

			MW-NASB-069	MW-NASB-069 (Dup)	MW-NASB-070	MW-NASB-079
			Ground Water	Ground Water	Ground Water	Ground Water
			Low-Flow Sample	Low-Flow Sample	Low-Flow Sample	Low-Flow Sample
Compound/Element	**MEG (a)**	**MCL (b)**				
Bis(2-ethylhexyl) Phthalate	NC	NC	3.5	3.8	3.4	(<11U)
Fluoranthene	NC	NC	(<5U)	(<5.6U)	(<5U)	1.2
Pyrene	NC	NC	(<5U)	(<5.6U)	(<5U)	1.3

(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:
NC = Criteria not applicable.
MW = Monitoring well.
NASB = Naval Air Station Brunswick.
DUP = Duplicate sample.
Units are micrograms per liter (µg/L).
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-3 SUMMARY OF GROUNDWATER SAMPLES COLLECTED FROM SITE 9 ON 8 AND 9 SEPTEMBER 2004
TARGET ANALYTE LIST METALS BY U.S. ENVIRONMENTAL PROTECTION AGENCY 6000/7000 SERIES METHODS

			MW-NASB-069	MW-NASB-069 (Dup)	MW-NASB-070	MW-NASB-079
			Ground Water	Ground Water	Ground Water	Ground Water
			Low-Flow Sample	Low-Flow Sample	Low-Flow Sample	Low-Flow Sample
Compound/Element	**MEG (a)**	**MCL (b)**				
Cadmium	5	5	(<4U)	(<4U)	(<4U)	(<4U)
Chromium	100	100	0.98	0.35	4.5	(<10U)
Manganese	200	50	**366**	**363**	**523**	**102**
Aluminum	1,430	200	**207**	179	170	166
Antimony	2.8	6	(<6U)	(<6U)	(<6U)	(<6U)
Arsenic	NC	10	(<5U)	(<5U)	(<5U)	2.8
Barium	1,500	2,000	7	7.2	12.6	260
Beryllium	NC	4	(<4U)	(<4U)	(<4U)	(<4U)
Calcium	NC	NC	6,020	5,890	10,700	27,800
Cobalt	NC	NC	(<50U)	(<50U)	(<50U)	(<50U)
Copper	NC	1,300	2.8	2.1	8.7	(<25U)
Iron	NC	300	**458**	**376**	153	**21,400**
Lead	NC	15	(<3U)	(<3U)	(<3U)	(<3U)
Magnesium	NC	NC	2,700	2,610	1,210	1,780
Mercury	2	2	(<0.2U)	(<0.2U)	(<0.2U)	(<0.2U)
Nickel	100	100	1.5	1	3.4	(<40U)
Potassium	NC	NC	1,050	1,010	422	2,360
Selenium	10	50	1.4	(<5U)	(<5U)	1.6
Silver	50	100	0.41	(<5U)	(<5U)	(<5U)
Sodium	NC	NC	55,700	55,200	9,670	4,580
Thallium	0.5	2	(<10U)	(<10U)	(<10U)	(<10U)
Vanadium	NC	NC	4.9	4.6	4.4	3
Zinc	NC	5,000	4	59.4	4	5.4

TABLE B-3 SUMMARY OF GROUNDWATER SAMPLES COLLECTED FROM SITE 9 ON 8 AND 9 SEPTEMBER 2004
TARGET ANALYTE LIST METALS BY U.S. ENVIRONMENTAL PROTECTION AGENCY 6000/7000 SERIES METHODS

(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:
NC = Criteria not applicable.
MW = Monitoring well.
NASB = Naval Air Station Brunswick.
Units are micrograms per liter (µg/L).
J = Analyte concentration is between the Instrument Detection Limit and the Contract Required Detection Limit.
U = Not detected at or above the sample quantitation limit. Shown as (<____U).
Chemicals of Concern appear in bold type at the top of the list.
Concentrations highlighted with underlined type denote exceedance of the MEG.
Concentrations highlighted with bold type denote exceedance of the MCL.
Concentrations highlighted with gray denote exceedance of both the MEG and MCL.

TABLE B-4 SUMMARY OF SURFACE WATER SAMPLES COLLECTED FROM SITE 9 ON 8 SEPTEMBER 2004
VOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B

			SW-010	SW-010 (Dup)
			Surface Water	Surface Water
			Grab Sample	Grab Sample
Compound/Element	SWQC	NWQC		
Total VOC	NC	NC	ND	ND
Vinyl Chloride	NC	NC	(<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:
NC = Criteria not applicable.
Units are micrograms per liter (µg/L).
Total VOC calculation does not include common laboratory contaminants (Acetone or Methylene Chloride) or VOCs detected in the Trip Blank or Method Blank.
SW = Surface water sample.
U = Not detected at or above the sample quantitation limit. Shown as (<____U).
Only those compounds detected in at least one of the samples and vinyl chloride are shown on this table.
Chemicals of Concern appear in bold type at the top of the list.

TABLE B-5 SUMMARY OF LEACHATE STATION SEEP SAMPLES COLLECTED FROM SITE 9 ON 8 SEPTEMBER 2004
VOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B

			LT-901	LT-901 (Dup)
			Leachate	Leachate
			Grab Sample	Grab Sample
Compound/Element	SWQC	NWQC		
Total VOC	NC	NC	ND	ND
Vinyl Chloride	NC	NC	(<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:
NC = Criteria not applicable.
Units are micrograms per liter (µg/L).
Total VOC calculation does not include common laboratory contaminants (Acetone or Methylene Chloride) or VOCs detected in the Trip Blank or Method Blank.
LT = Leachate sample.
DUP = Duplicate sample.
ND = Not detected.
U = Not detected. Sample quantitation limits are shown as (<___U).
Only those analytes detected in at least one of the samples and vinyl chloride are shown on this table.
Chemicals of Concern appear in bold type at the top of the list.

TABLE B-6 SUMMARY OF SEDIMENT SAMPLES COLLECTED FROM SITE 9 ON 8 SEPTEMBER 2004
VOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B

			SED-10	SED-10 (Dup)
			Sediment	Sediment
			Grab Sample	Grab Sample
Compound/Element				
Total VOC	NC	NC	ND	ND
Vinyl Chloride	NC	NC	(<1.4UJ)	(<1.3U)
Acetone	NC	NC	26.1	25.1

(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:
NC = Criteria not applicable.
Units are micrograms per liter (µg/Kg).
Total VOC calculation does not include common laboratory contaminants (Acetone or Methylene Chloride) or VOCs detected in the Trip Blank or Method Blank.
SED = Sediment sample.
DUP = Duplicate sample.
U = Not detected. Sample quantitation limits are shown as (<___U).
Only those analytes detected in at least one of the samples are shown on this table.
Chemicals of Concern appear in bold type at the top of the list.

TABLE B-7 SUMMARY OF QUALITY CONTROL SAMPLES COLLECTED FROM SITE 9 ON 8 SEPTEMBER 2004
VOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B

			BN-9-25-QT1 (Dry)	BN-9-25-QT1 (Wet)
			Trip Blank	Trip Blank
Compound/Element				
Total VOC	NC	NC	ND	ND
Vinyl Chloride	NC	NC	(<100U)	(<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:
NC = Criteria not applicable.
Dry weight basis units are milligrams per kilogram (mg/Kg).
Wet weight basis units are micrograms per liter (µg/L).
Total VOC calculation does not include common laboratory contaminants (Acetone or Methylene Chloride) or VOCs detected in the Trip Blank or Method Blank.
QT = Trip blank.
U = Not detected at or above the sample quantitation limit. Shown as (<____U).
ND = Not detected.
Only those analytes detected in at least one of the samples and vinyl chloride are shown on this table.
Chemicals of Concern appear in bold type at the top of the list.

APPENDIX C

Temporal Trend Graphs

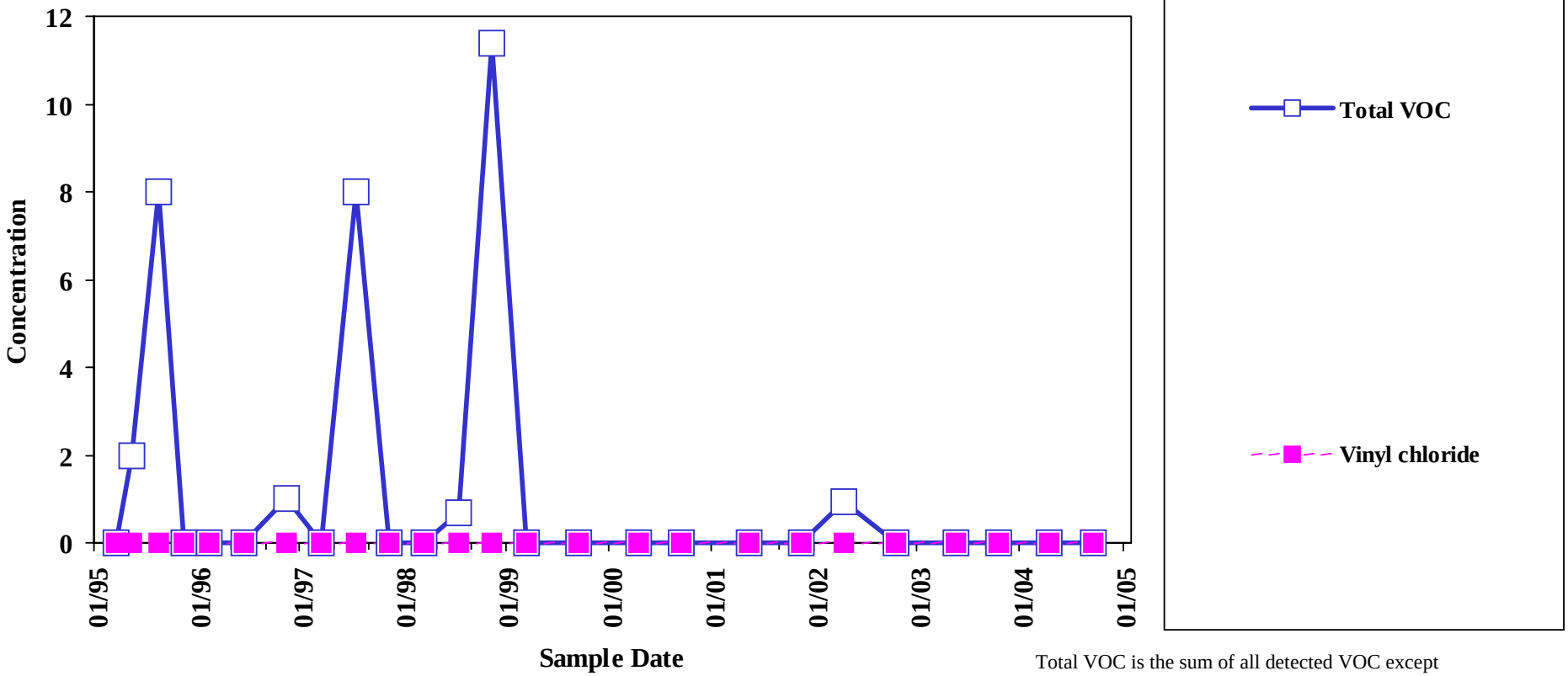
Sample Location:

LT-901

Site 9

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 and Acetone.

Sample concentration units: µg/L

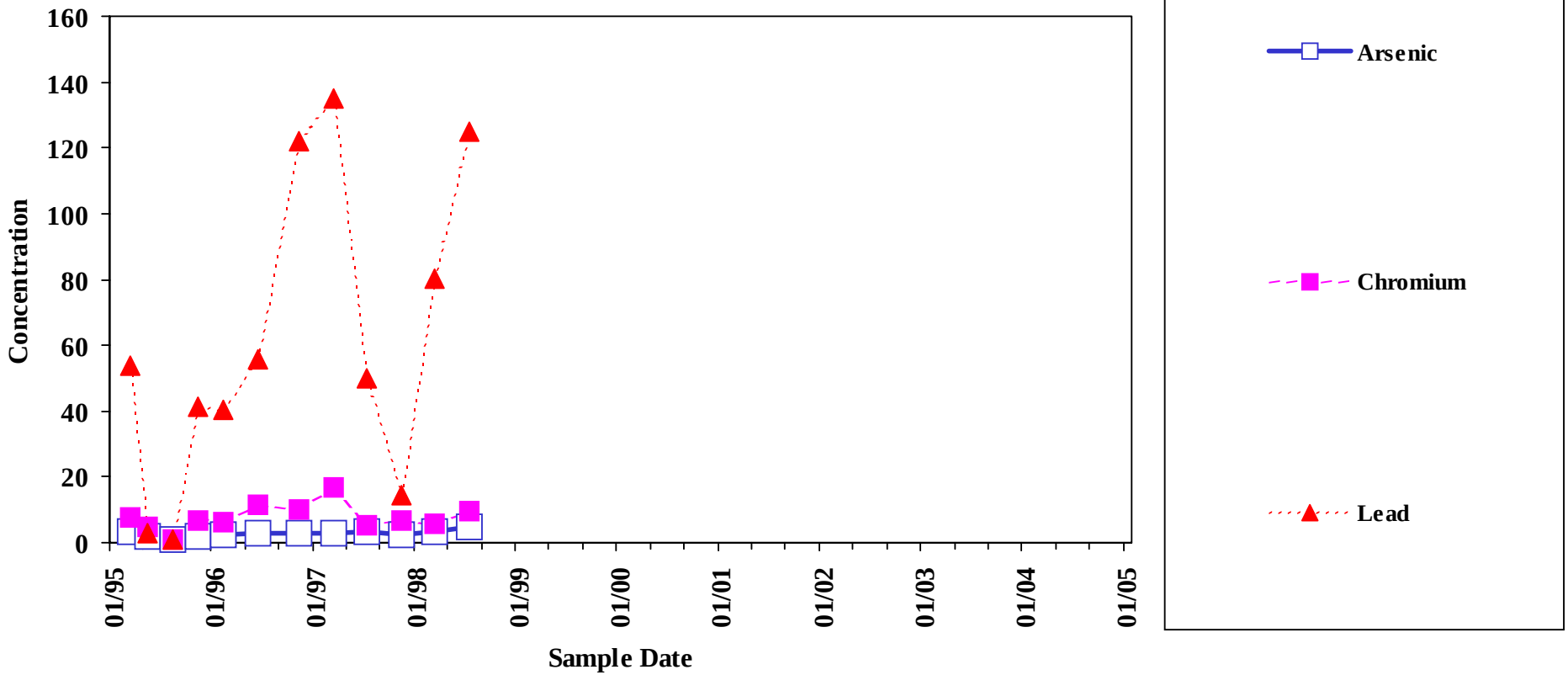
Sample Location:

LT-901

Site 9

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

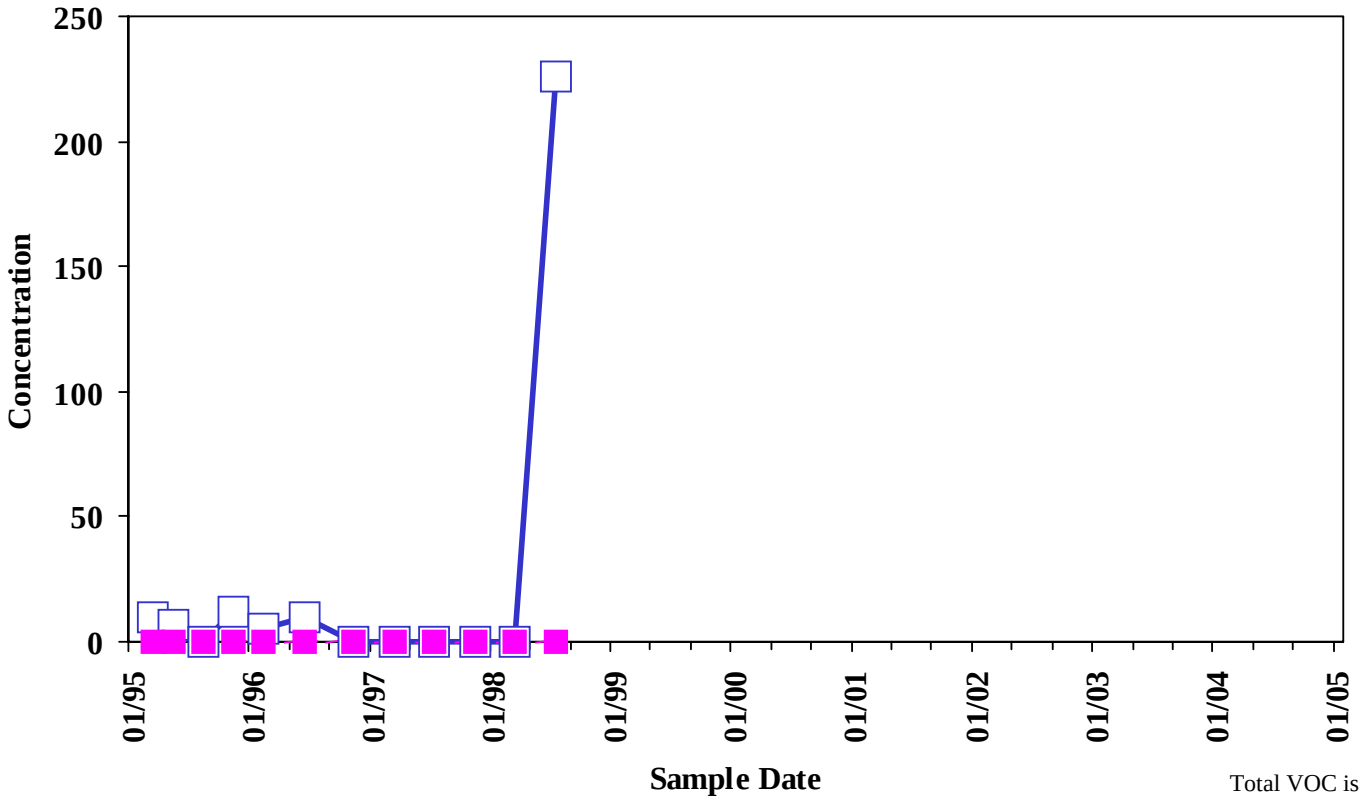
Sample Location:

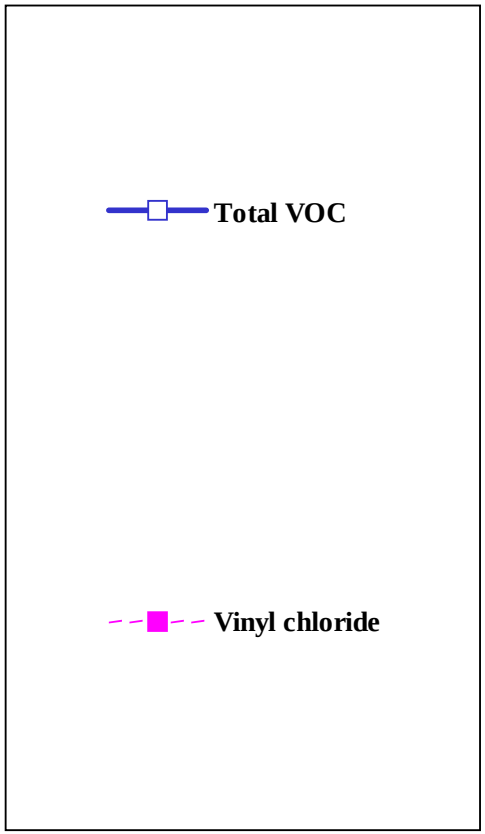
LT-901

Site 9

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 and Acetone.

Sample concentration units: µg/Kg

Sample Location:

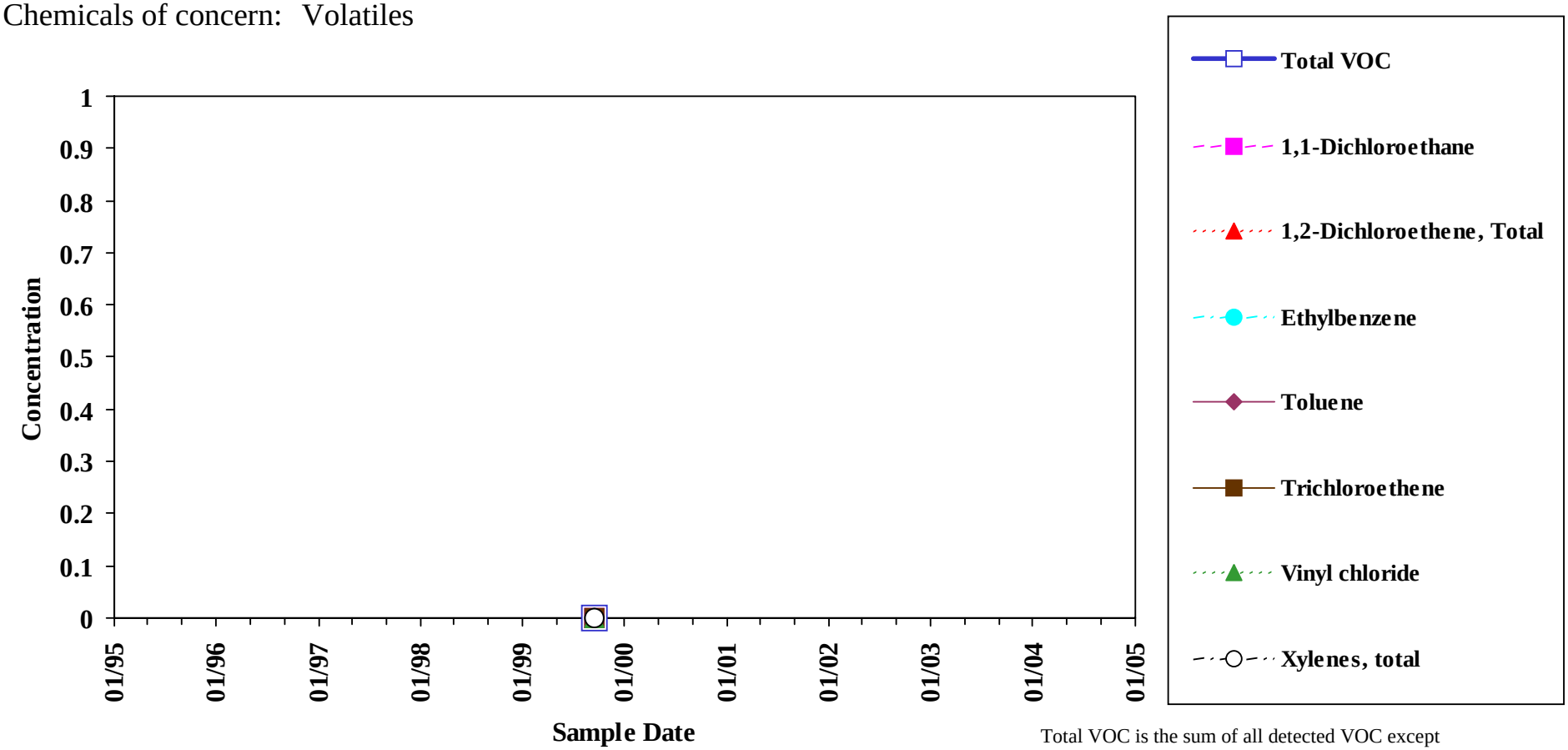
MW-NASB-008

Low-flow Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

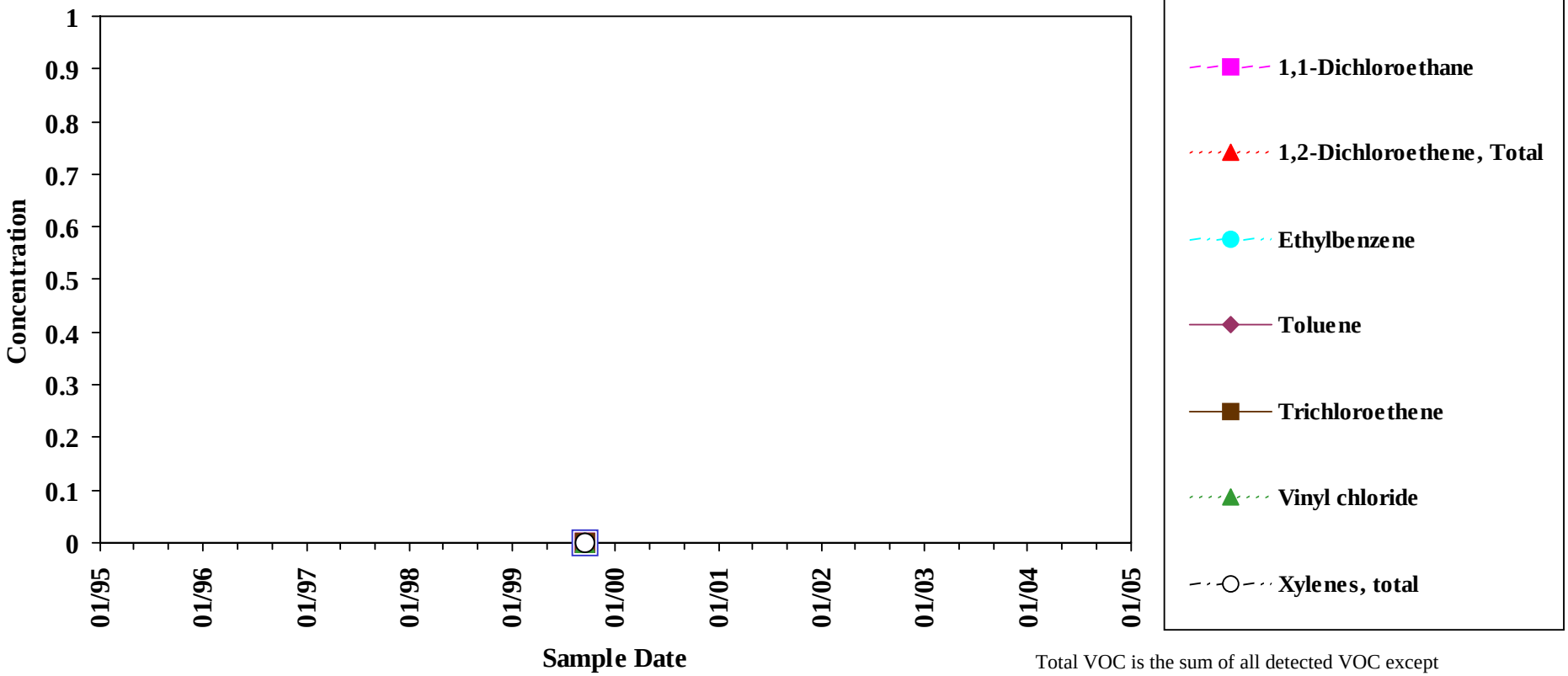
MW-NASB-009

Low-flow Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

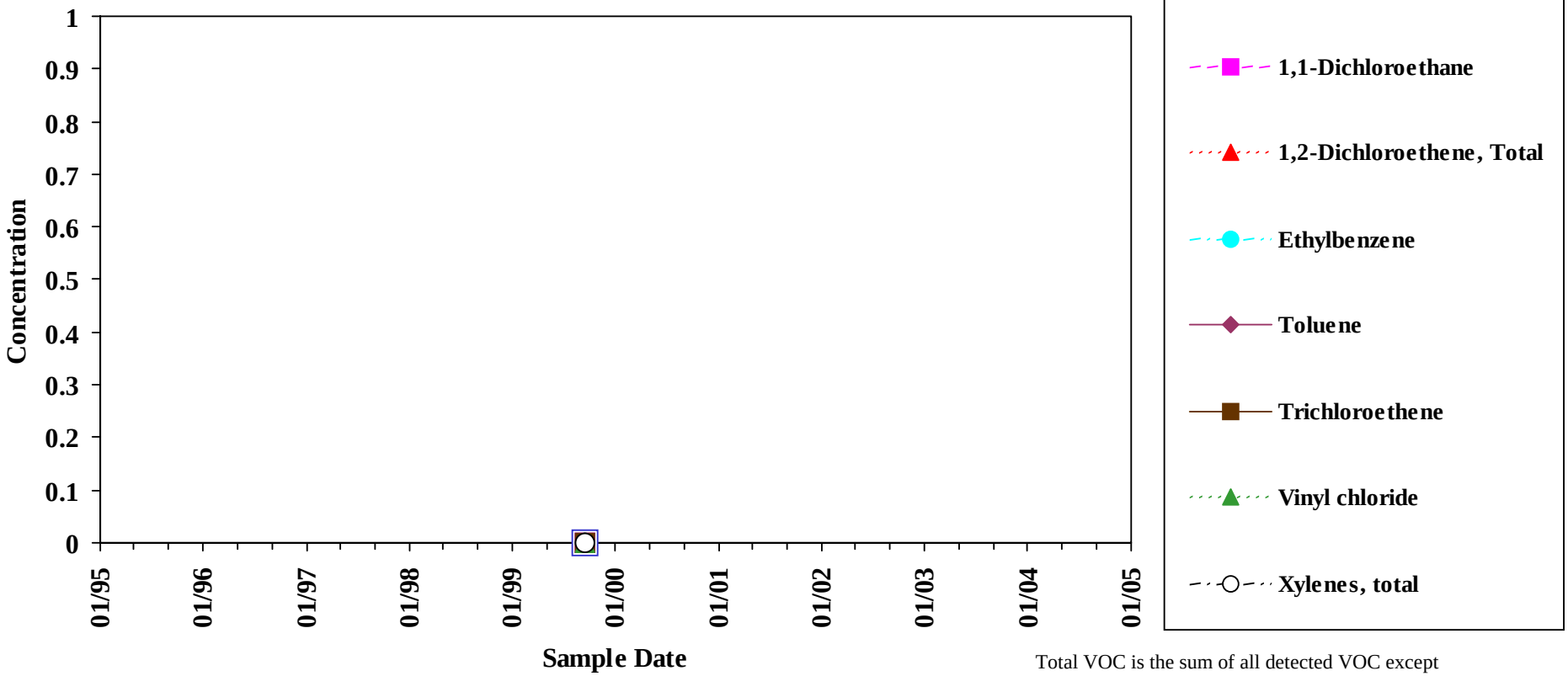
MW-NASB-010

Low-flow Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

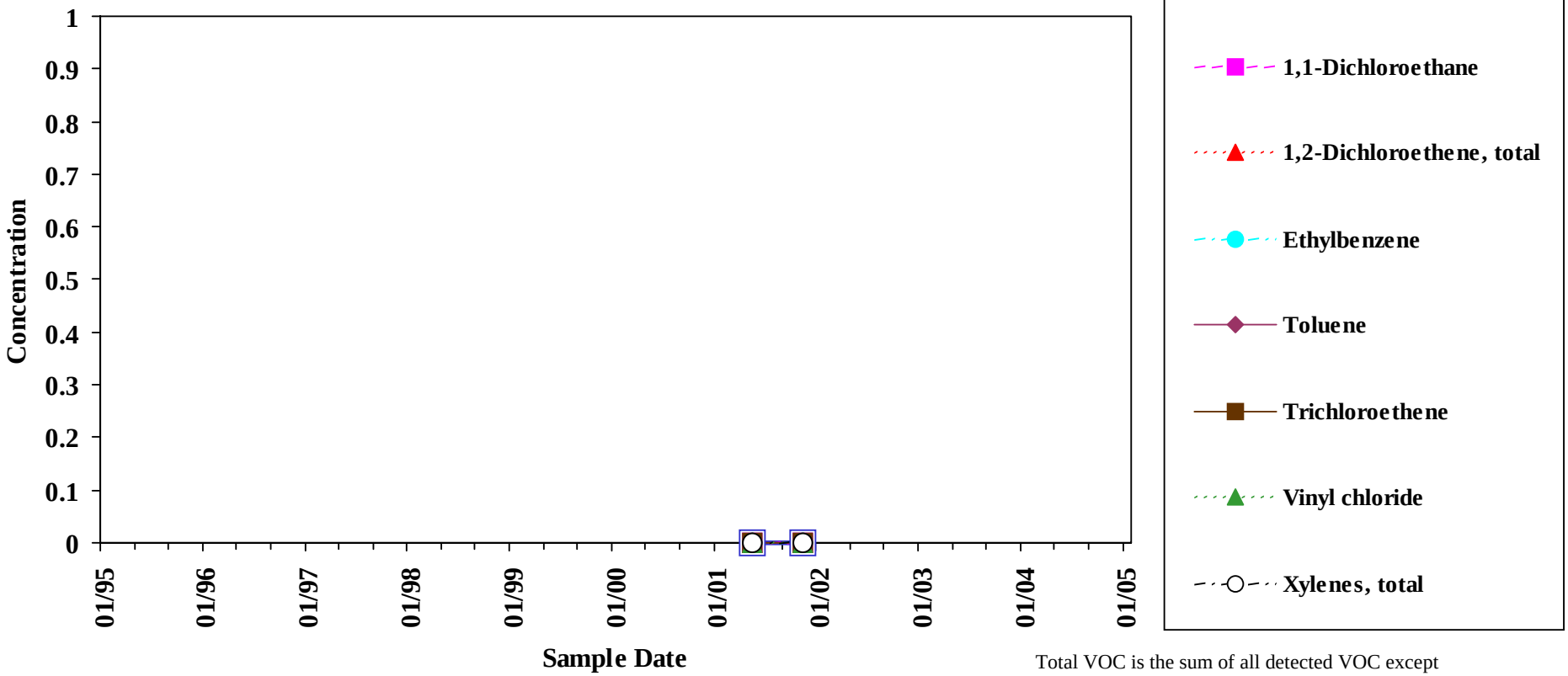
MW-NASB-021

Low-flow Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

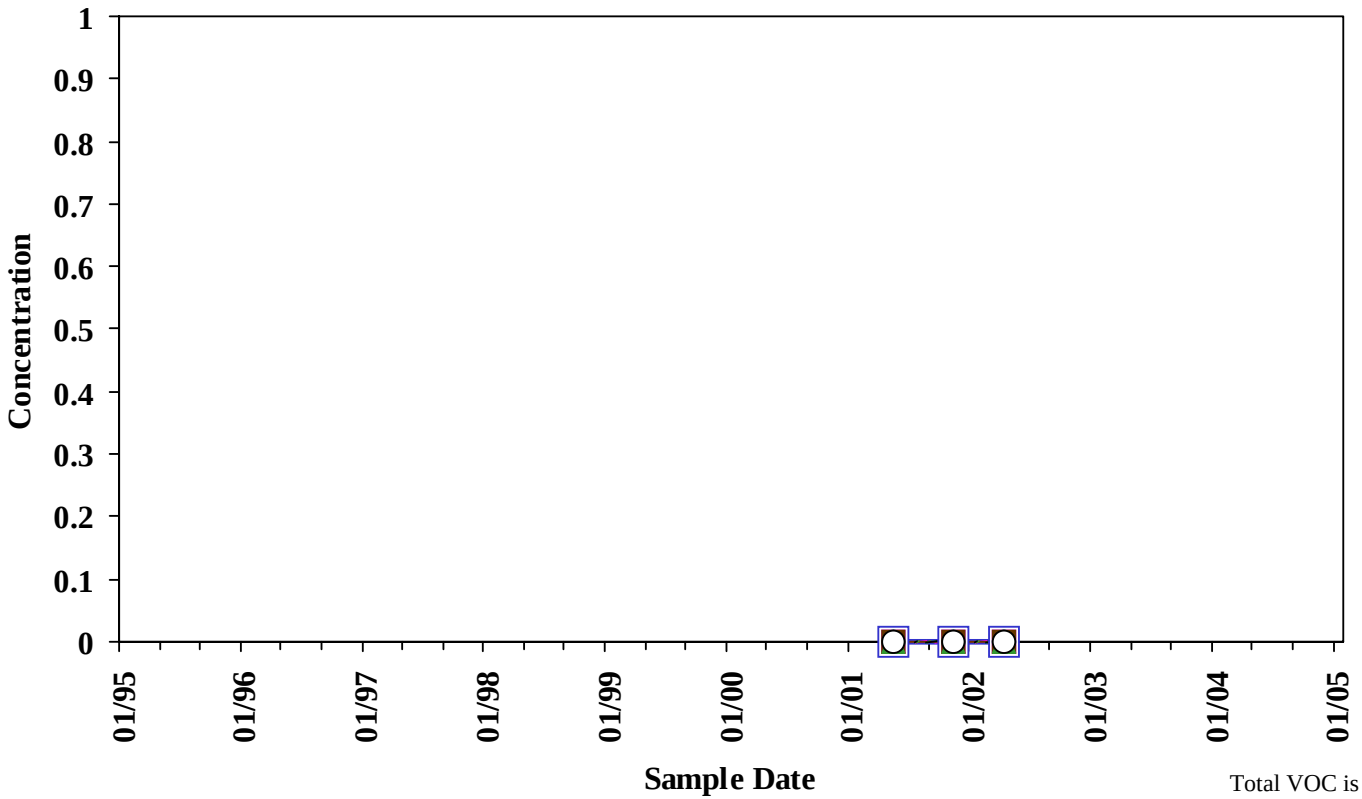
MW-NASB-021

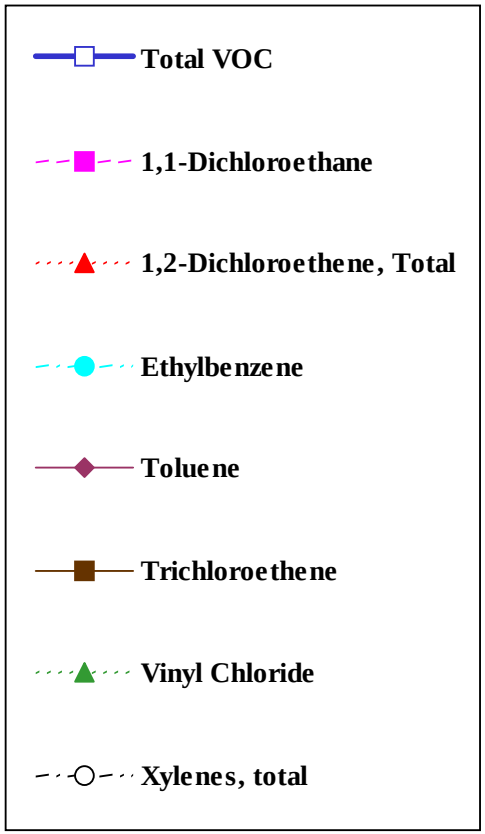
Shallow Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

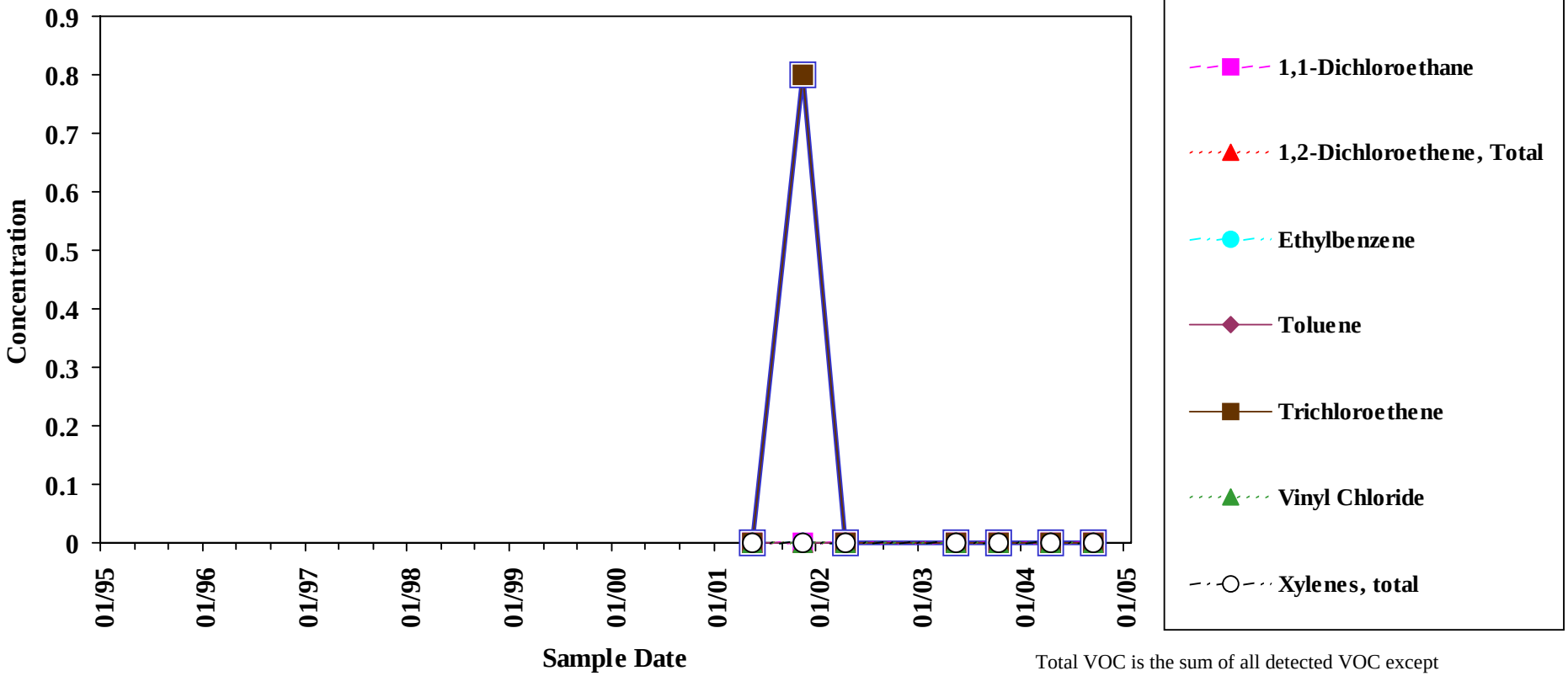
MW-NASB-021

Deep Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

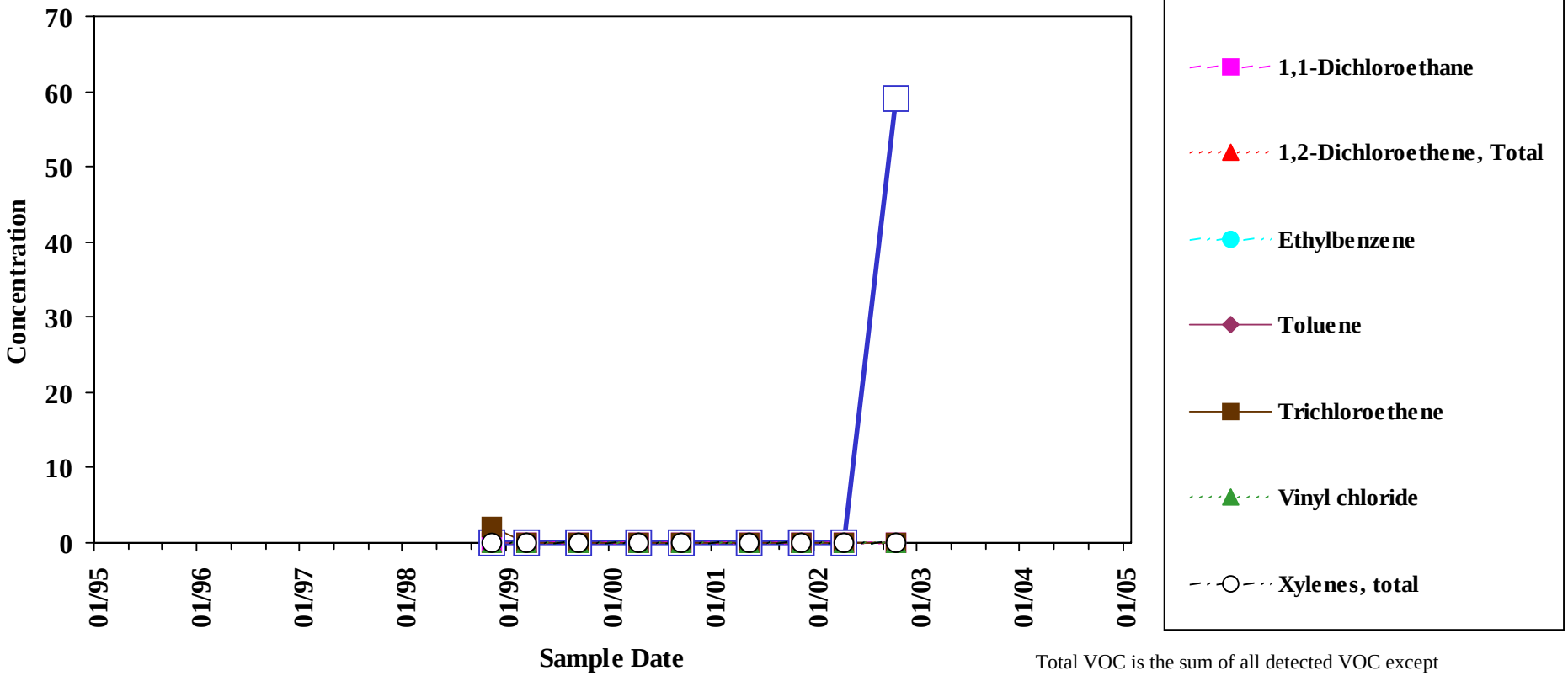
MW-NASB-022

Low-flow Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

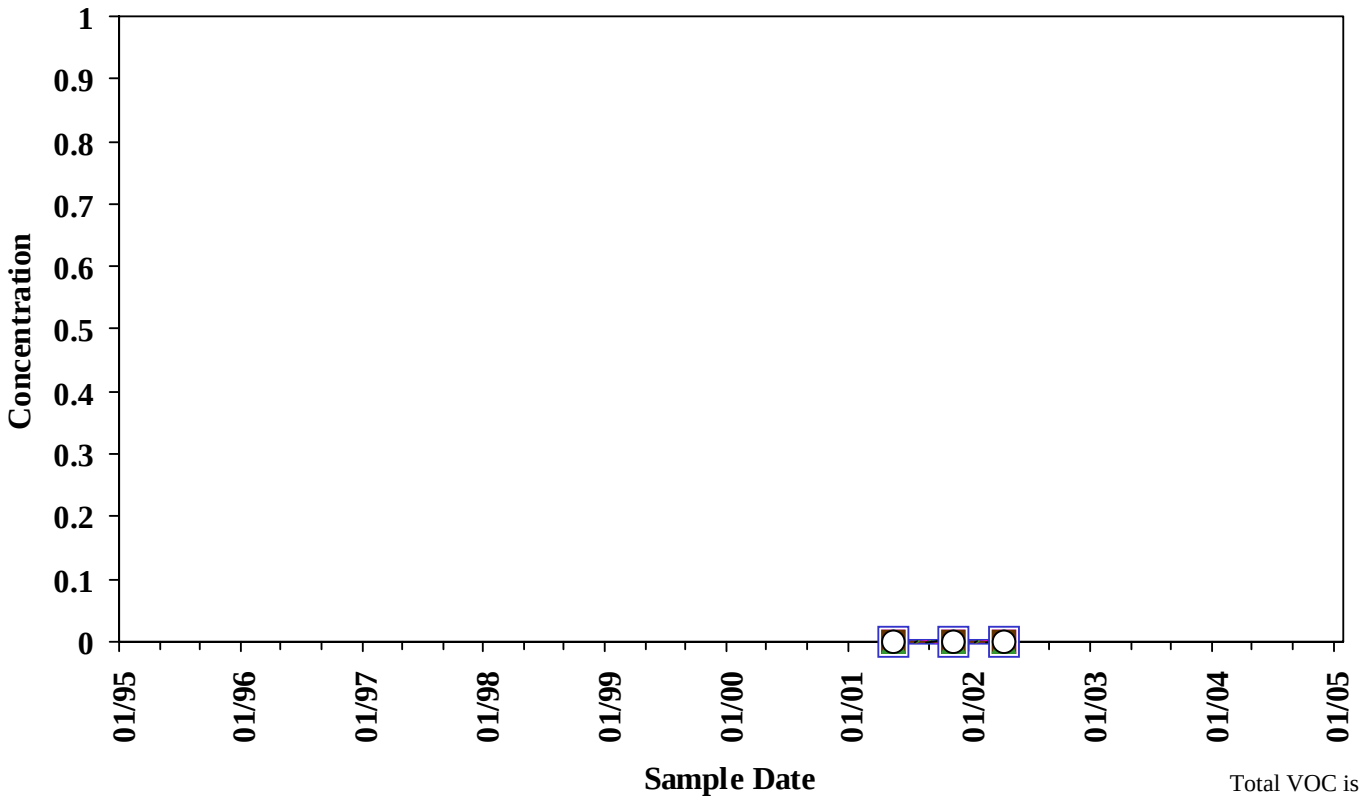
MW-NASB-022

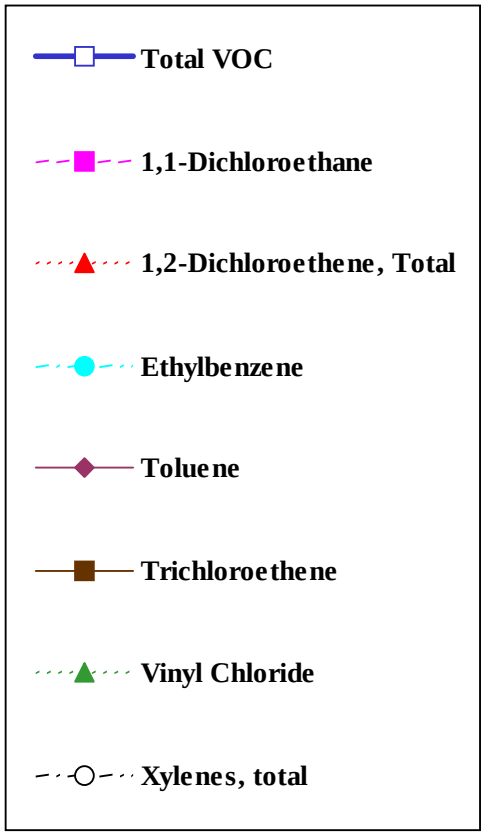
Shallow Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

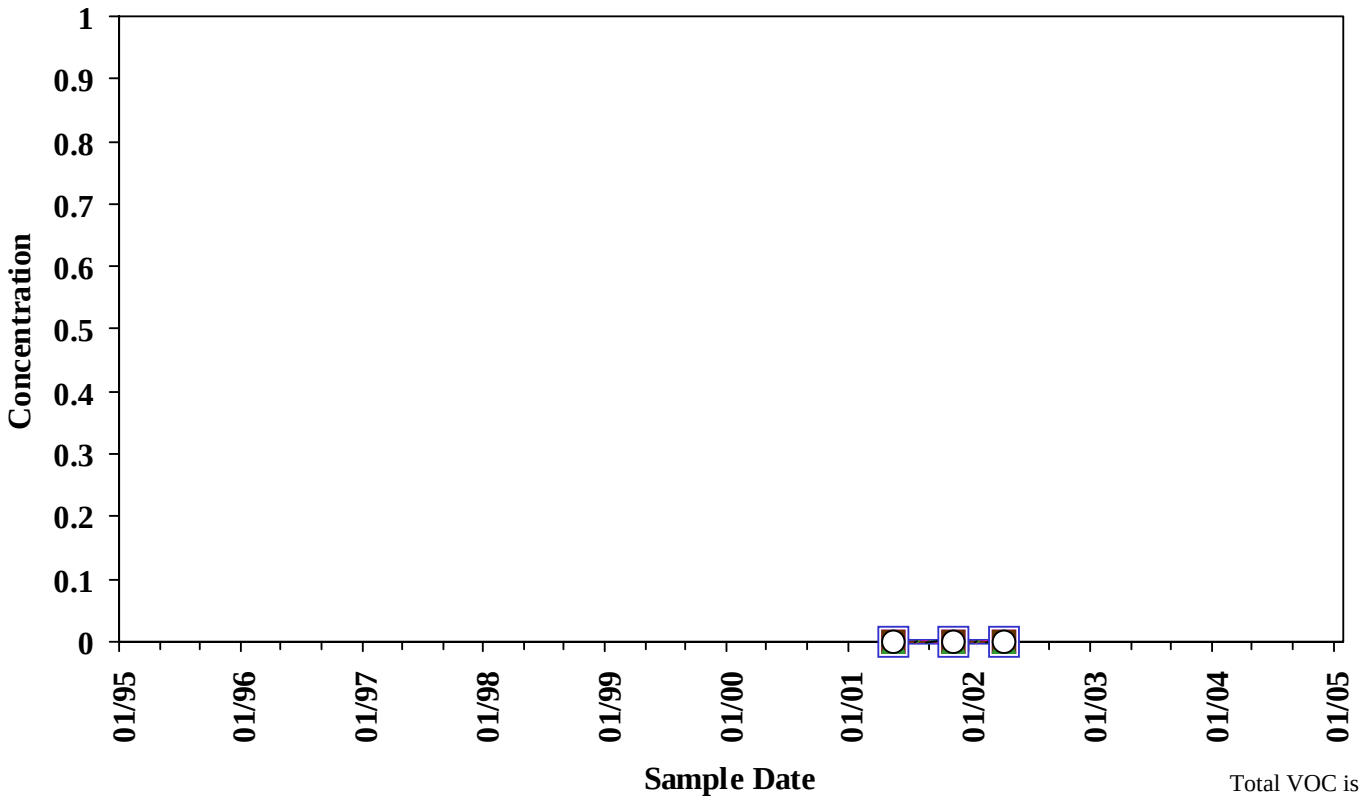
MW-NASB-022

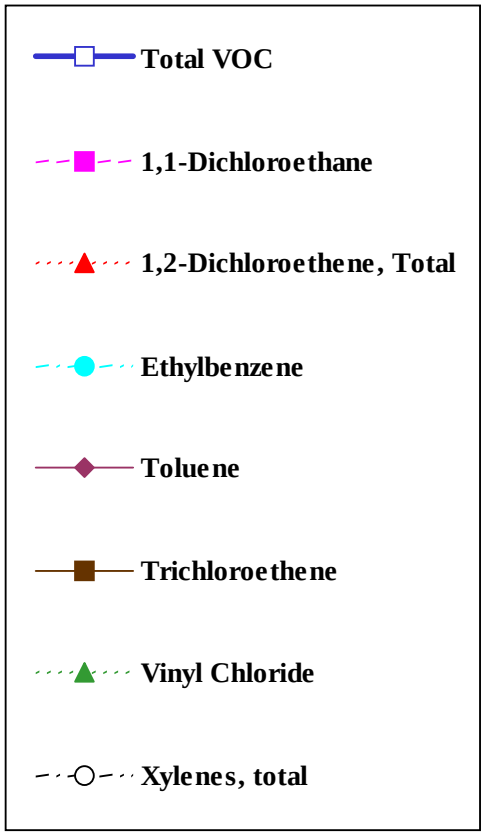
Mid-depth Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

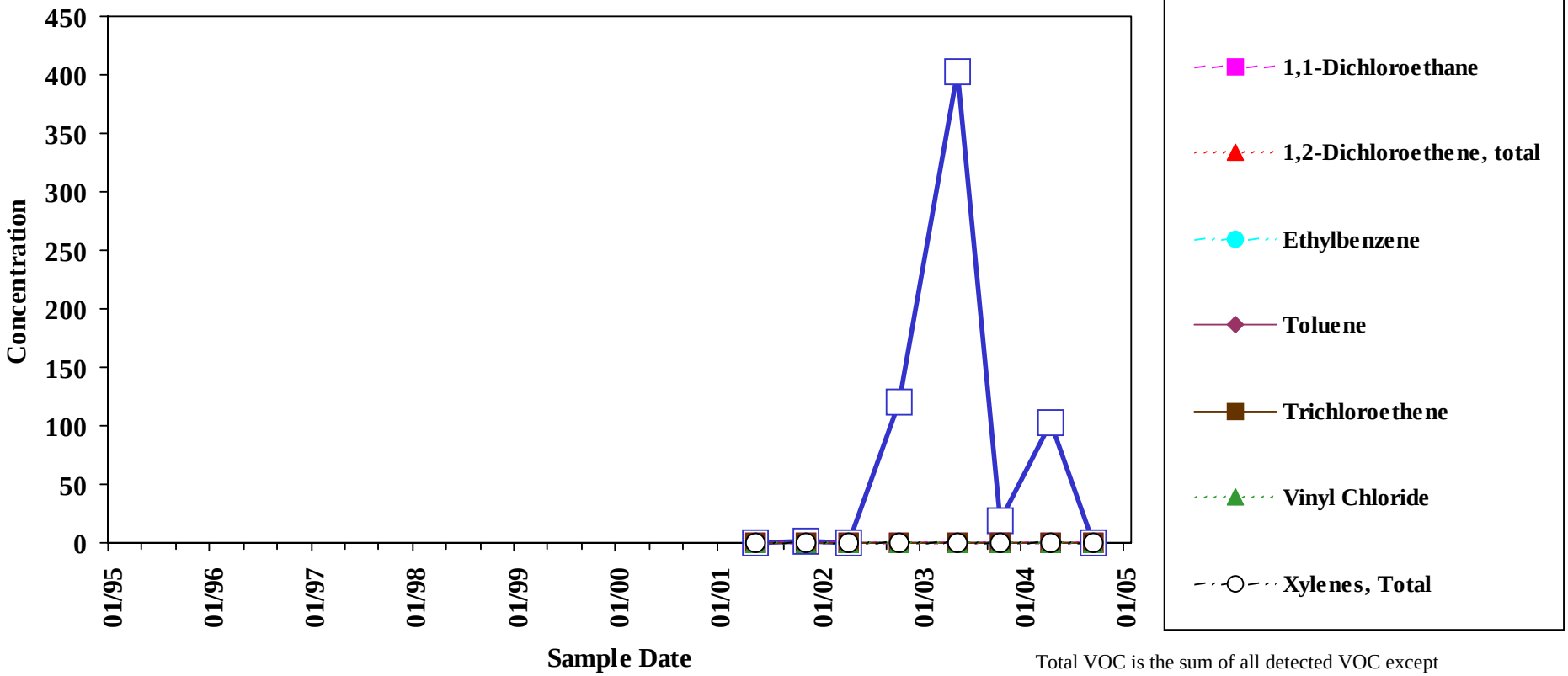
MW-NASB-022

Deep Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

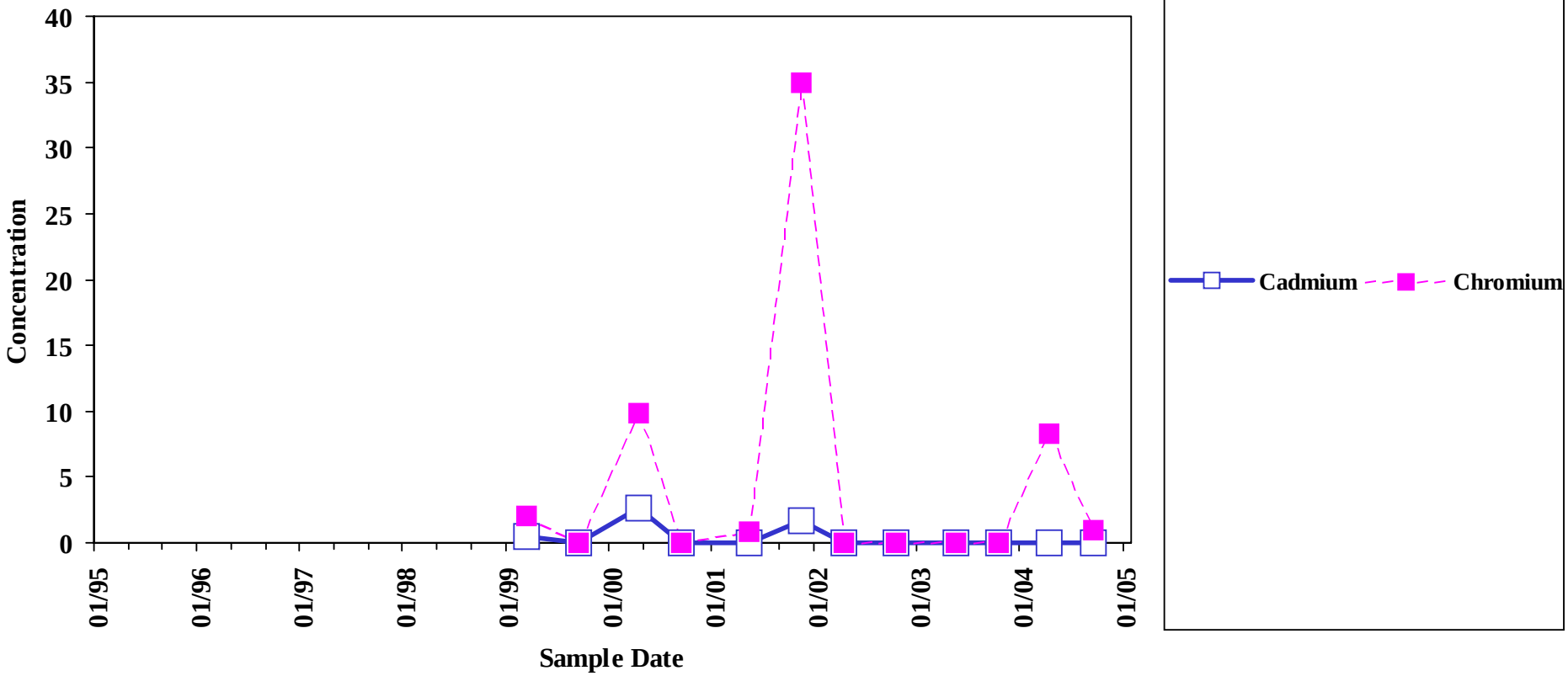
MW-NASB-069

Low-flow Sample

Site 9

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

Cadmium		Chromium	
MEG:	5	MEG:	100
MCL:	5	MCL:	100

Sample Location:

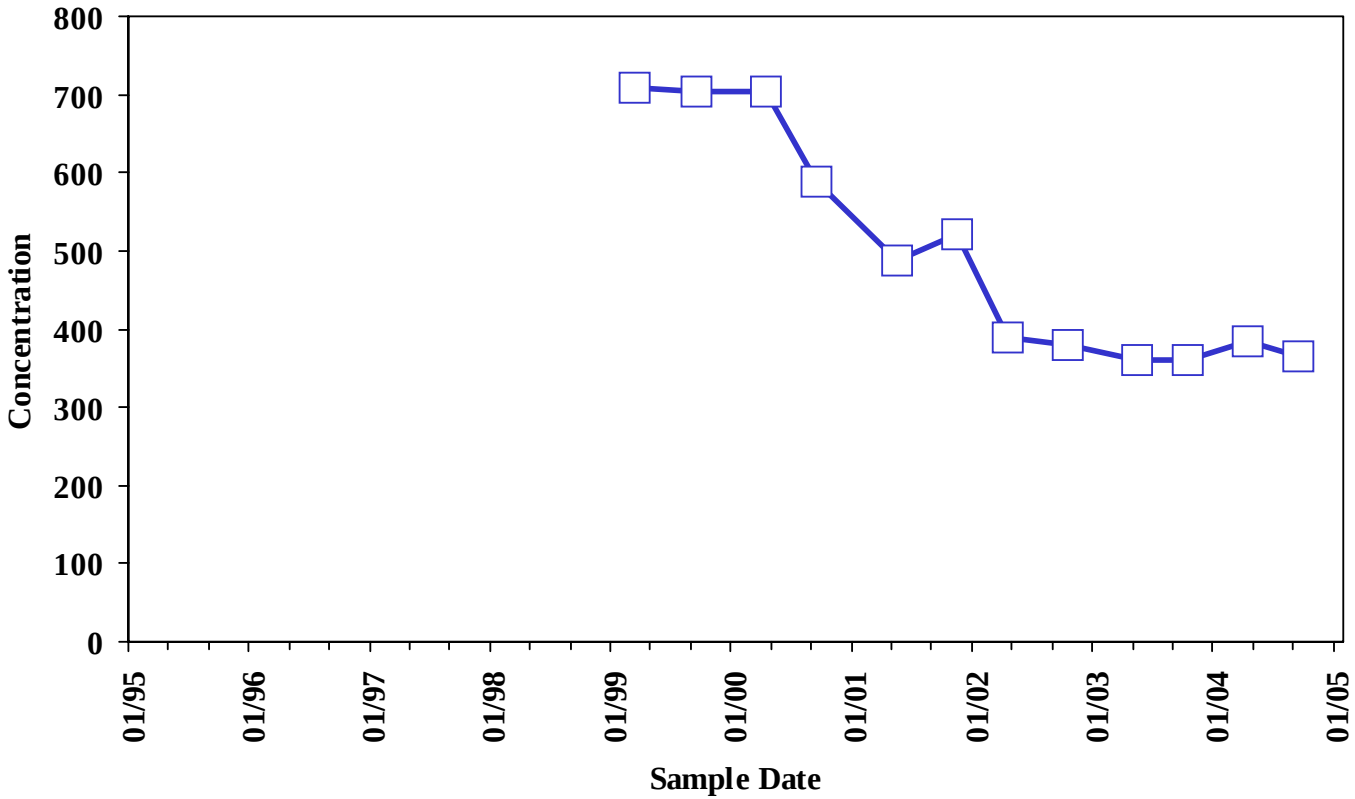
MW-NASB-069

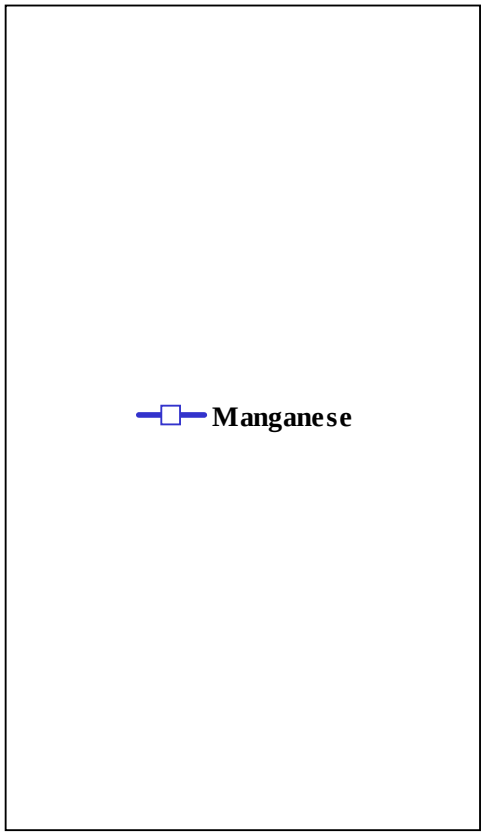
Low-flow Sample

Site 9

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

Manganese	
MEG:	200
MCL:	50

Sample Location:

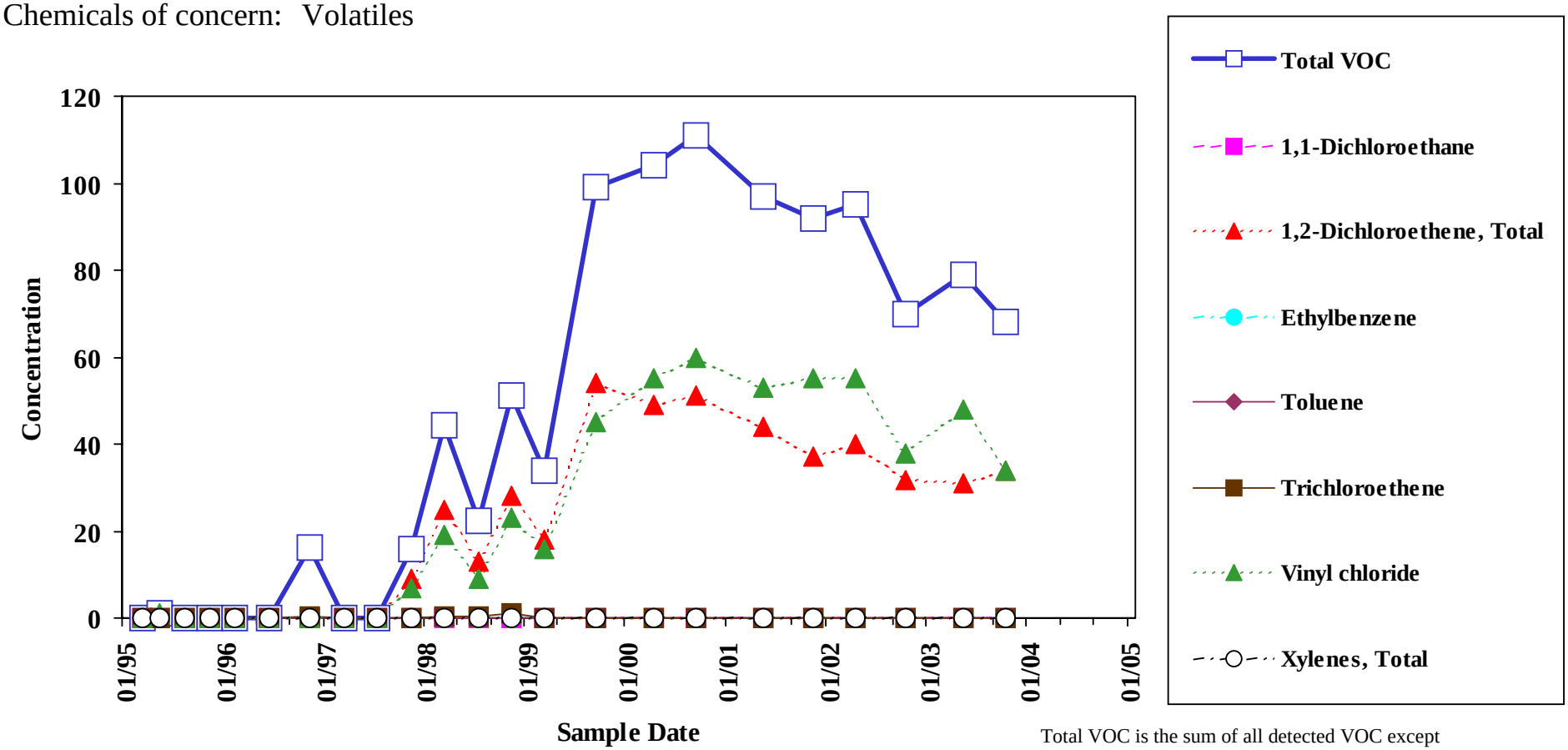
MW-NASB-069

Low-flow Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

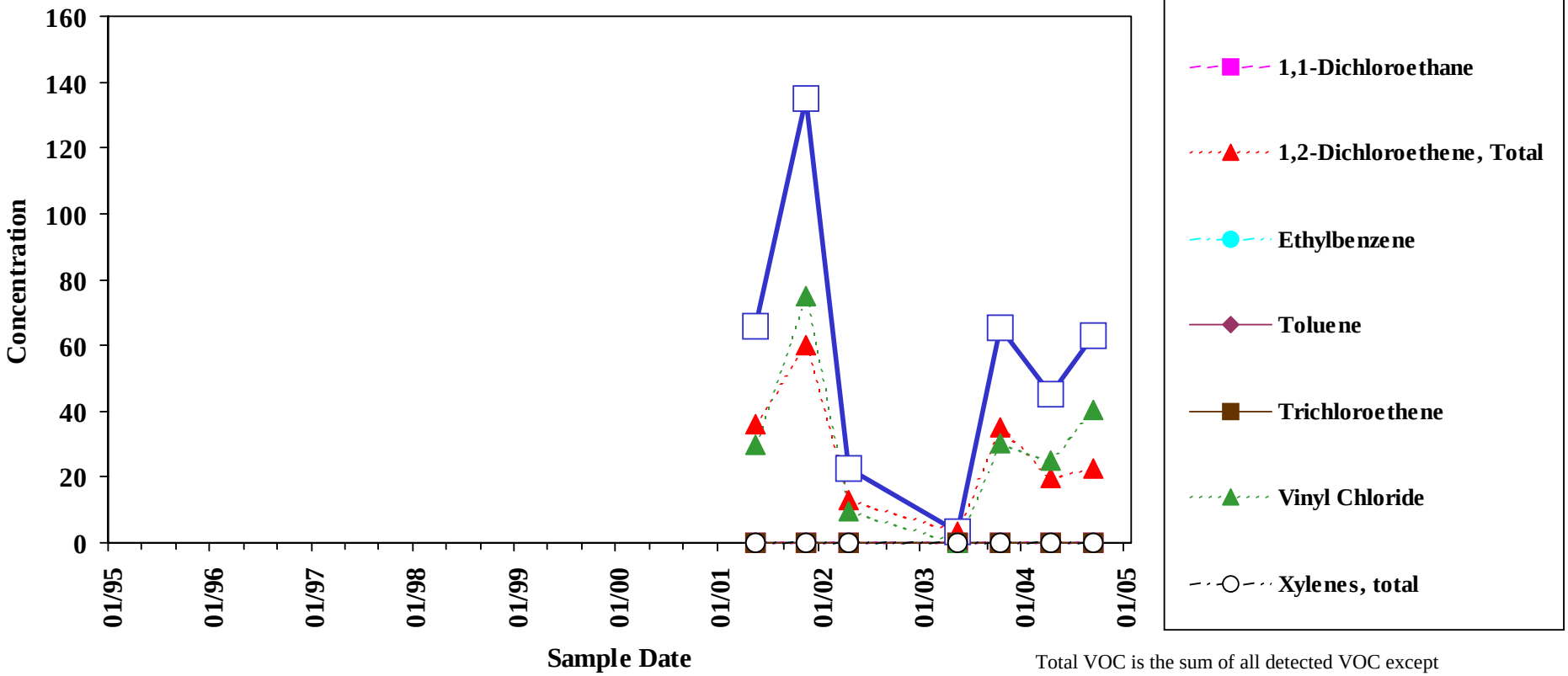
MW-NASB-069

Shallow Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

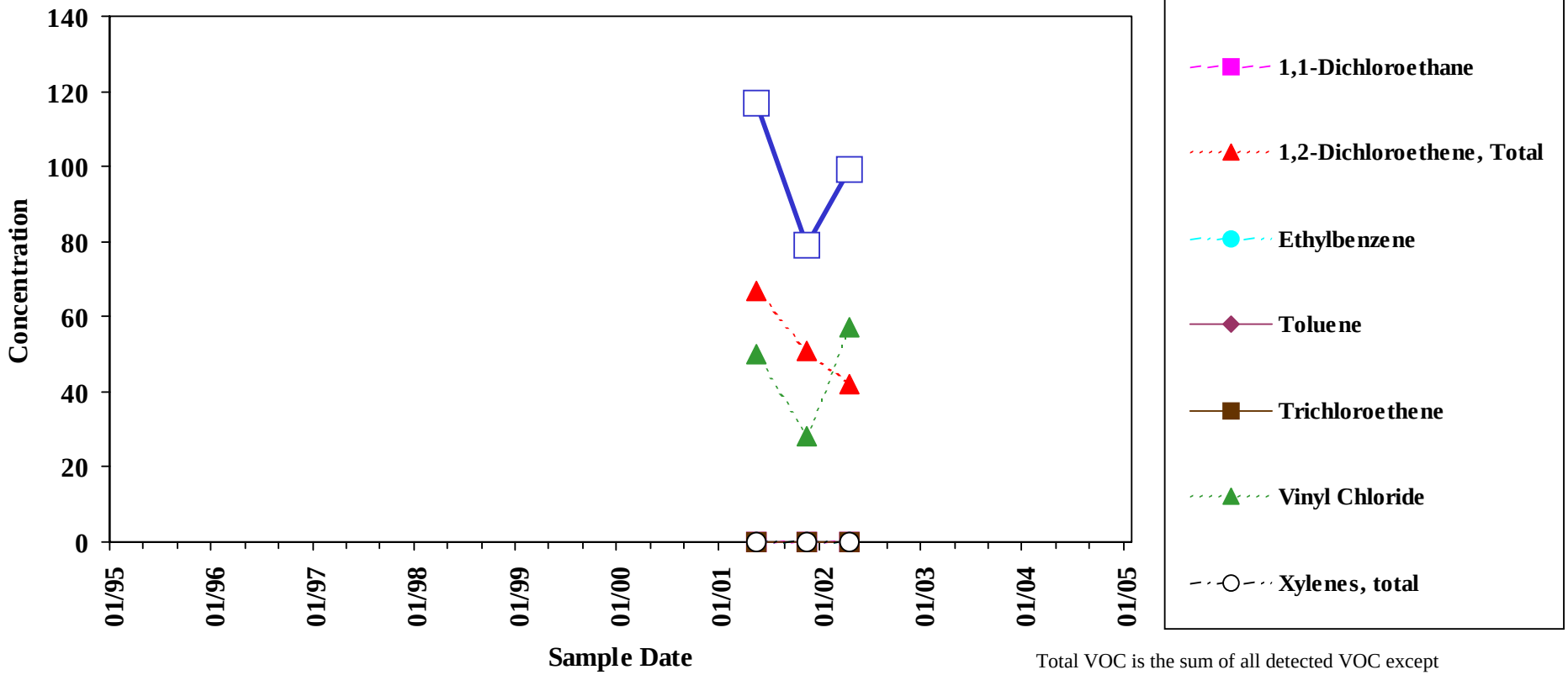
MW-NASB-069

Mid-depth Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

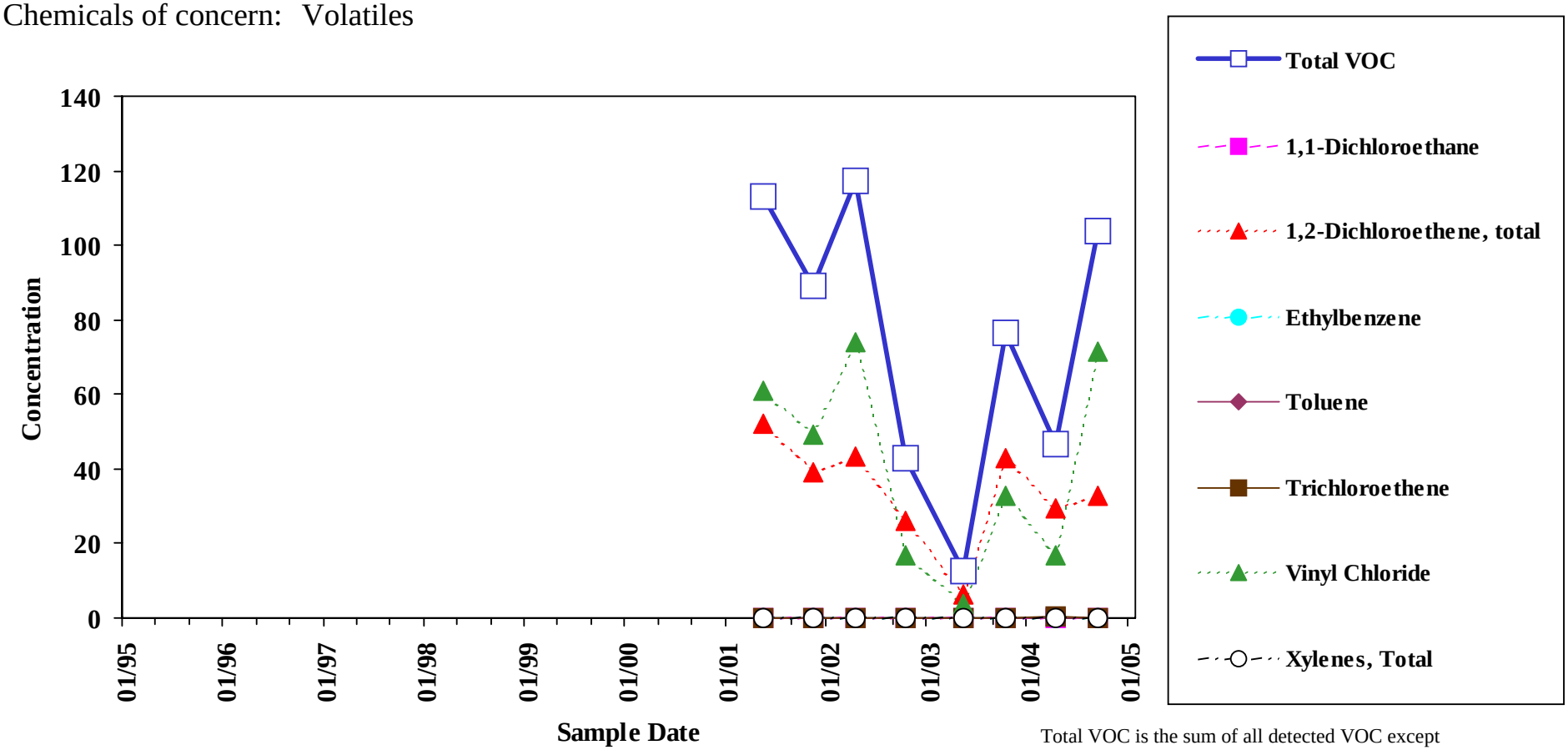
MW-NASB-069

Deep Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

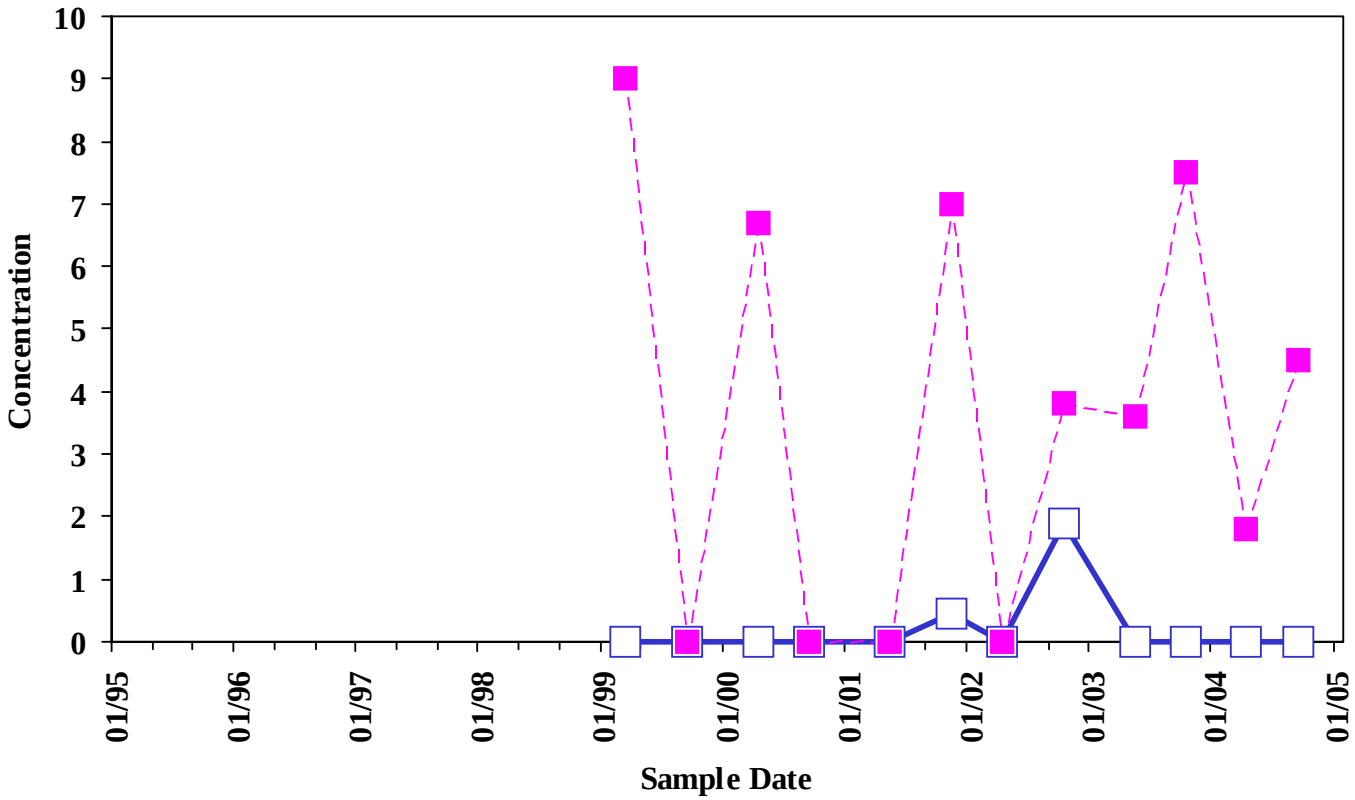
MW-NASB-070

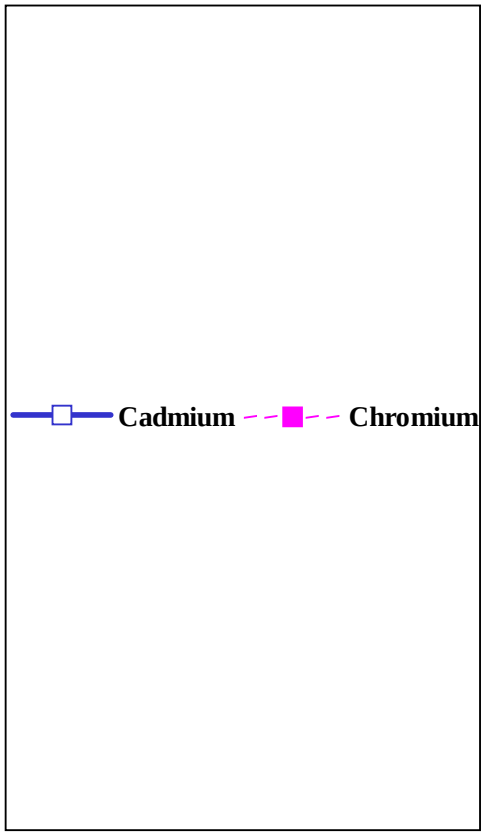
Low-flow Sample

Site 9

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

Cadmium		Chromium	
MEG:	5	MEG:	100
MCL:	5	MCL:	100

Sample Location:

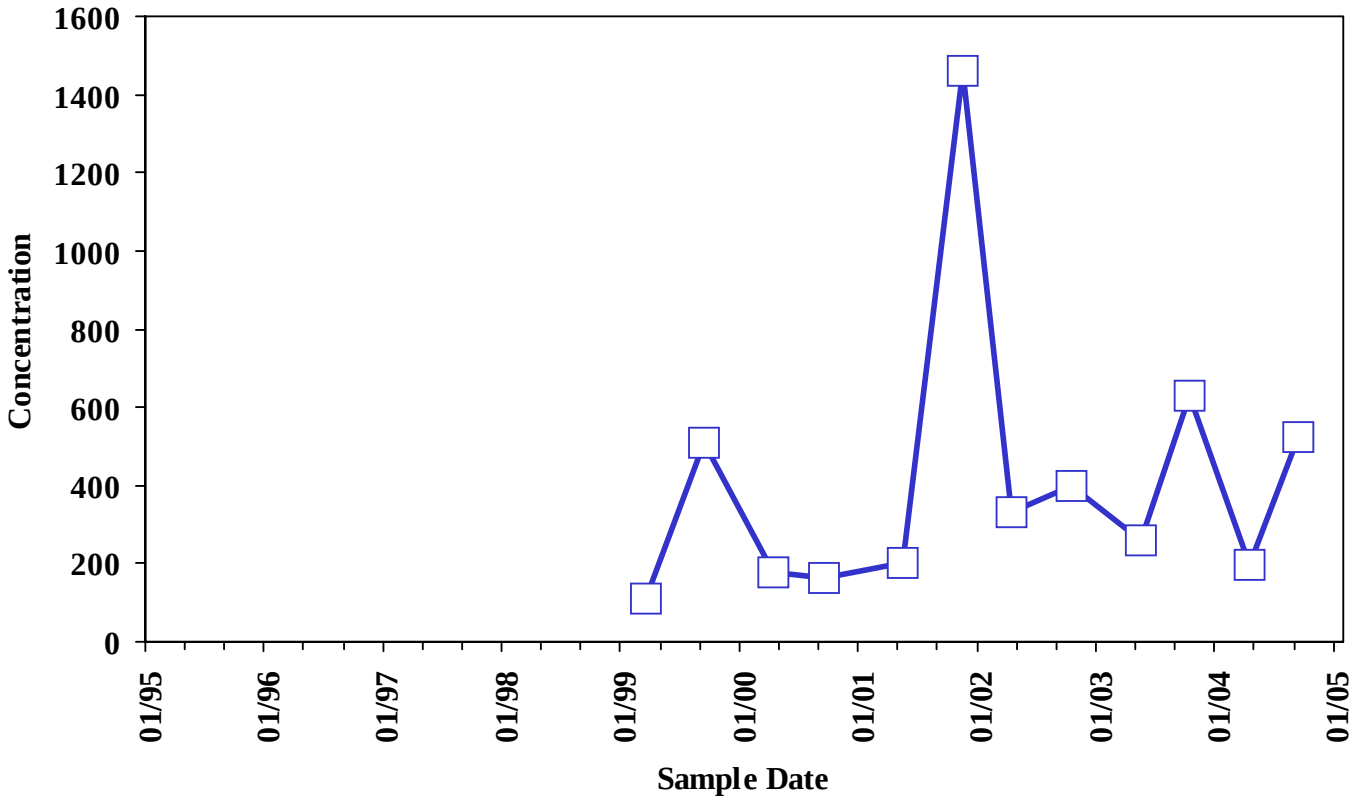
MW-NASB-070

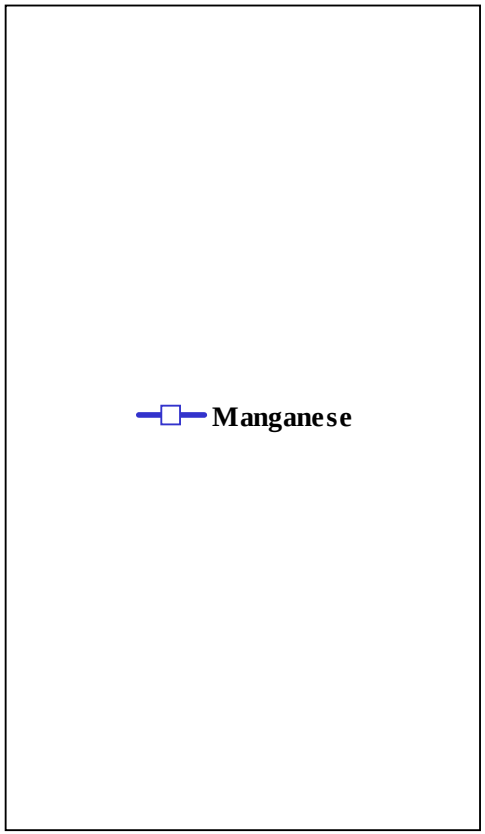
Low-flow Sample

Site 9

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

Manganese	
MEG:	200
MCL:	50

Sample Location:

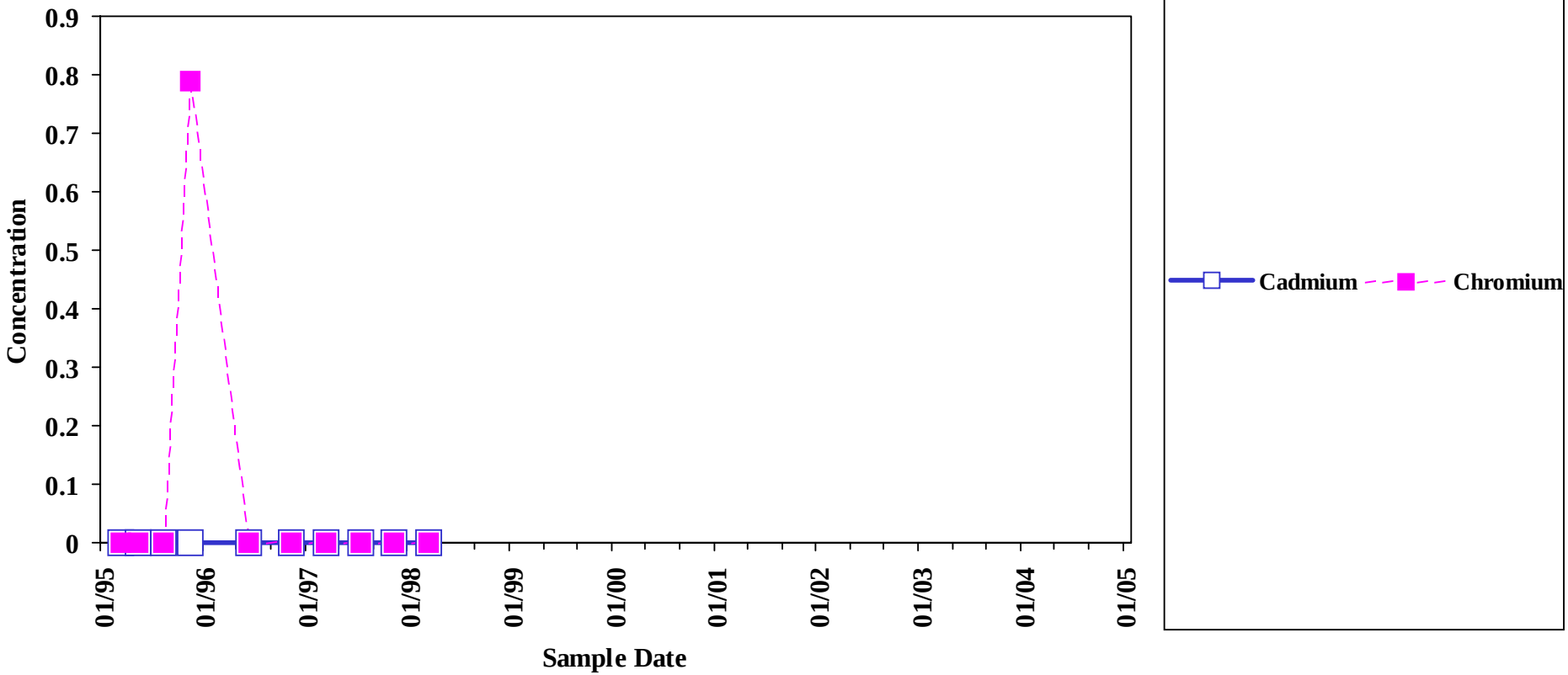
MW-NASB-071

Low-flow Sample

Site 9

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

Cadmium		Chromium	
MEG:	5	MEG:	100
MCL:	5	MCL:	100

Sample Location:

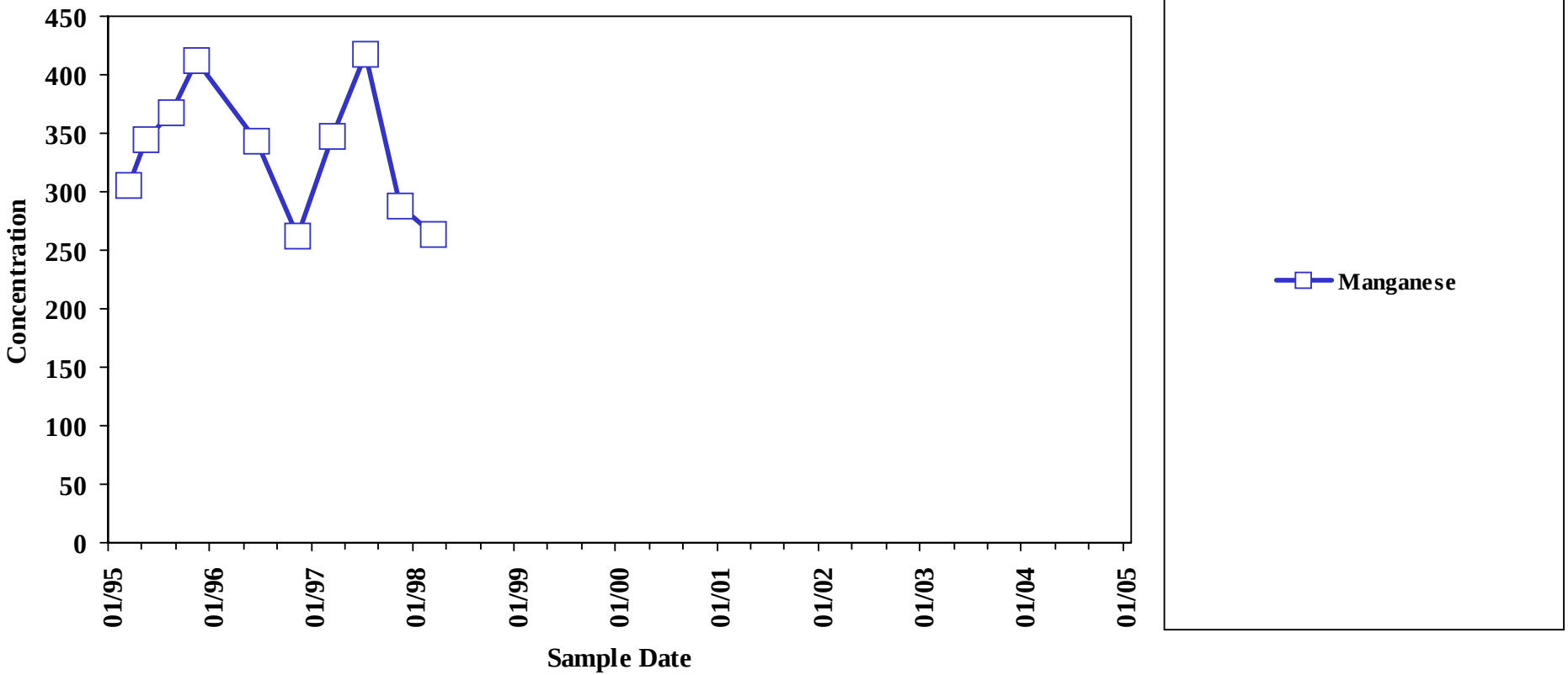
MW-NASB-071

Low-flow Sample

Site 9

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

Manganese	
MEG:	200
MCL:	50

Sample Location:

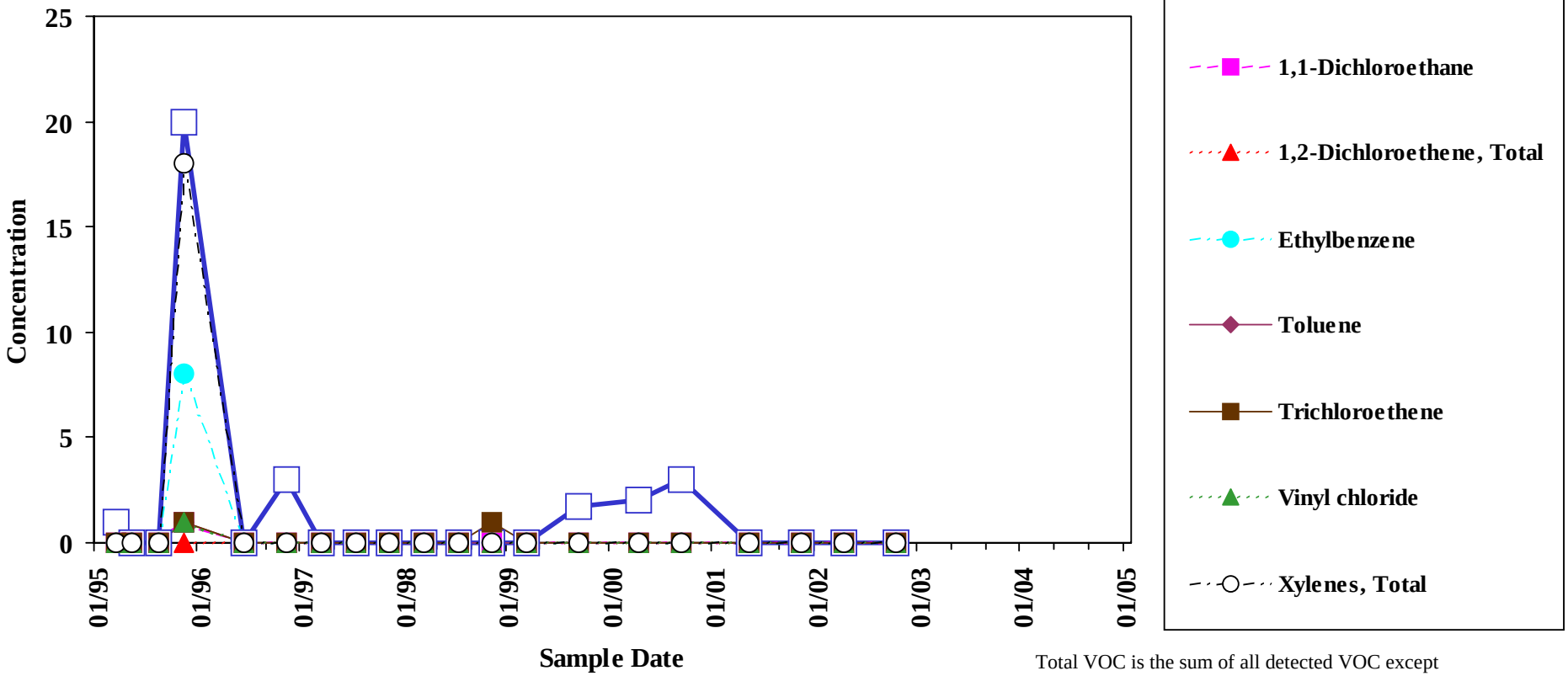
MW-NASB-071

Low-flow Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

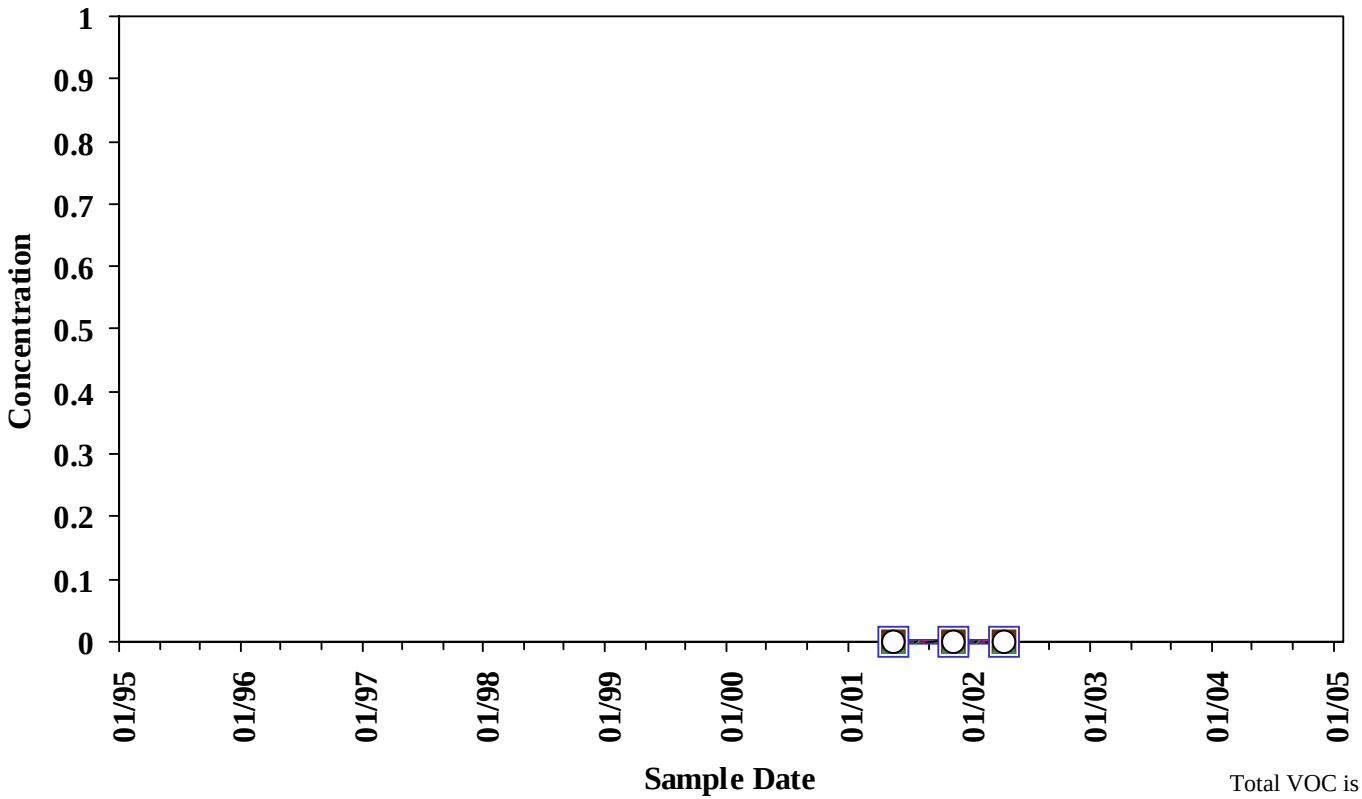
MW-NASB-071

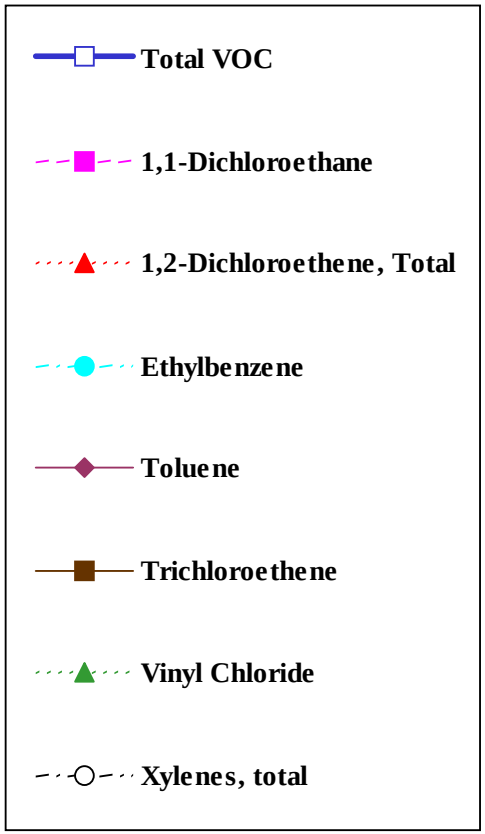
Shallow Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

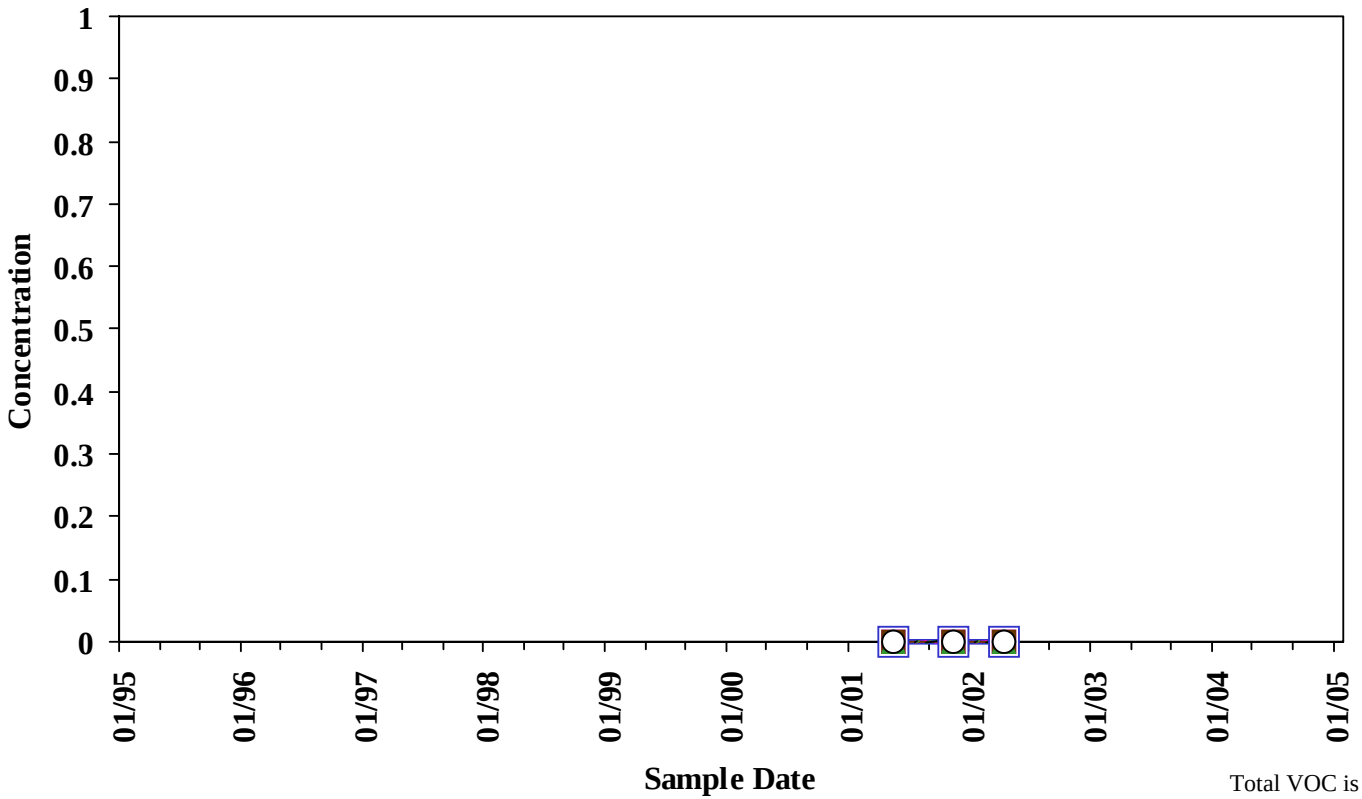
MW-NASB-071

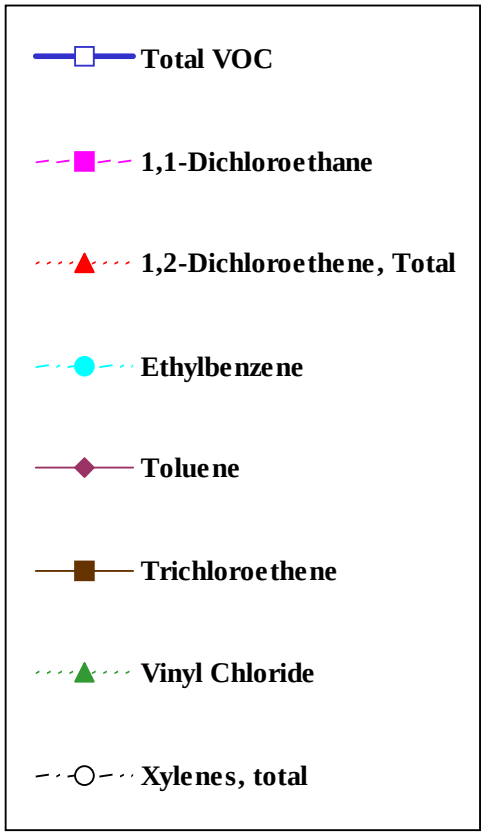
Mid-depth Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

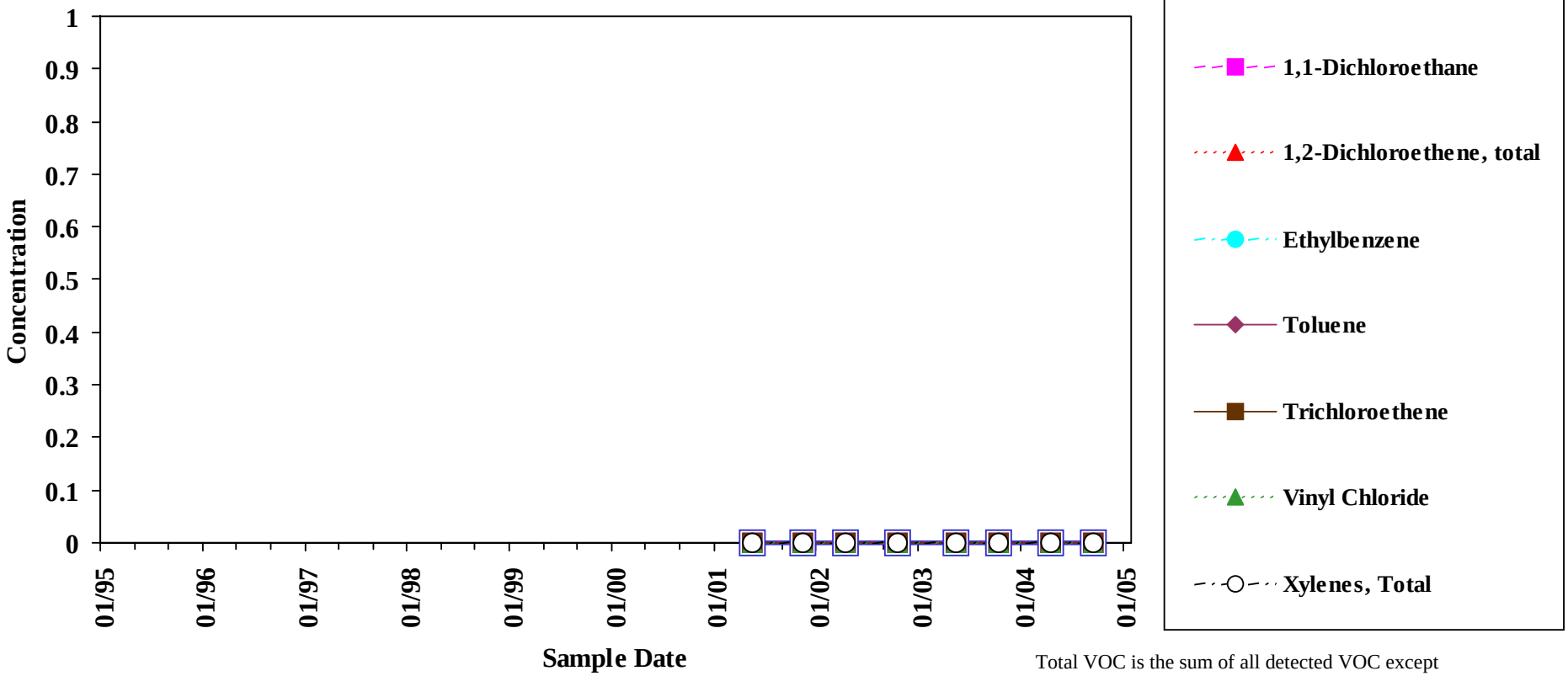
MW-NASB-071

Deep Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

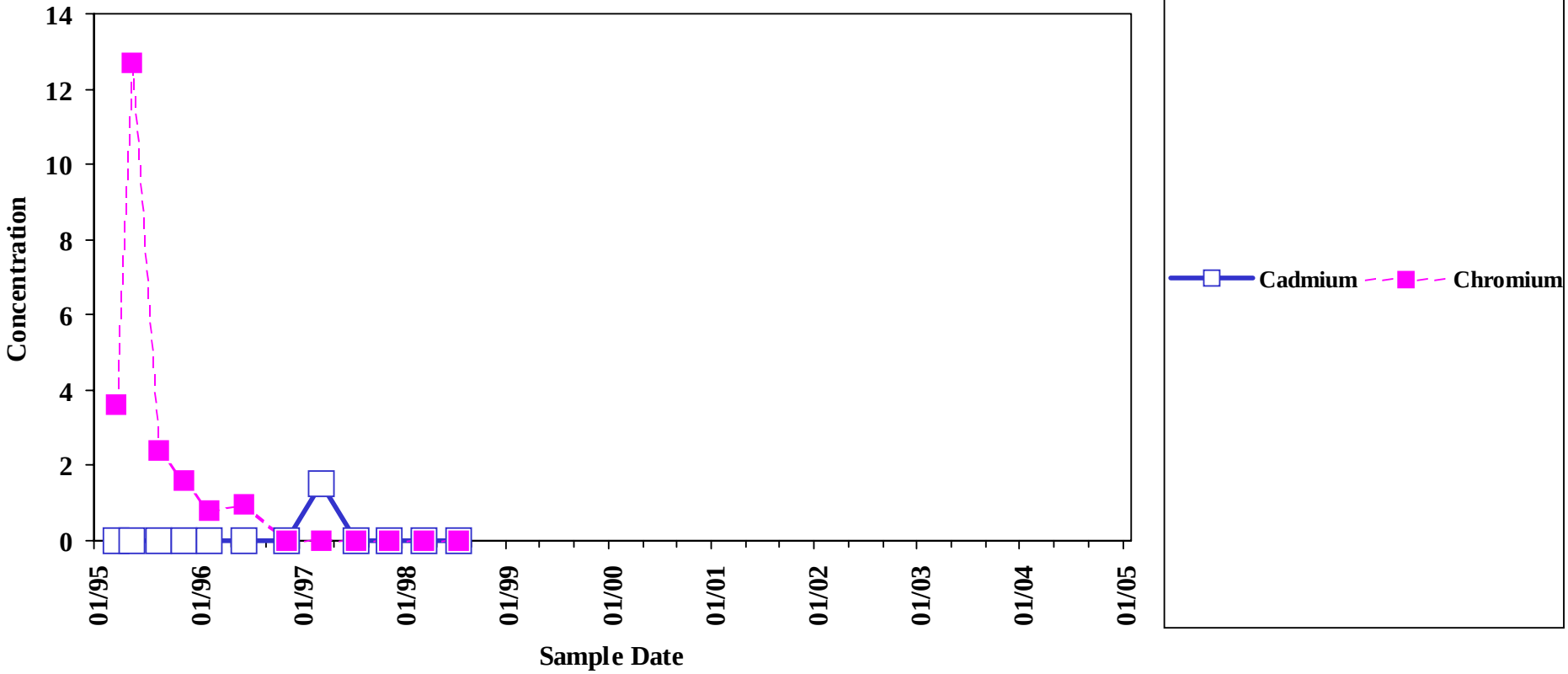
MW-NASB-072

Low-flow Sample

Site 9

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

Cadmium		Chromium	
MEG:	5	MEG:	100
MCL:	5	MCL:	100

Sample Location:

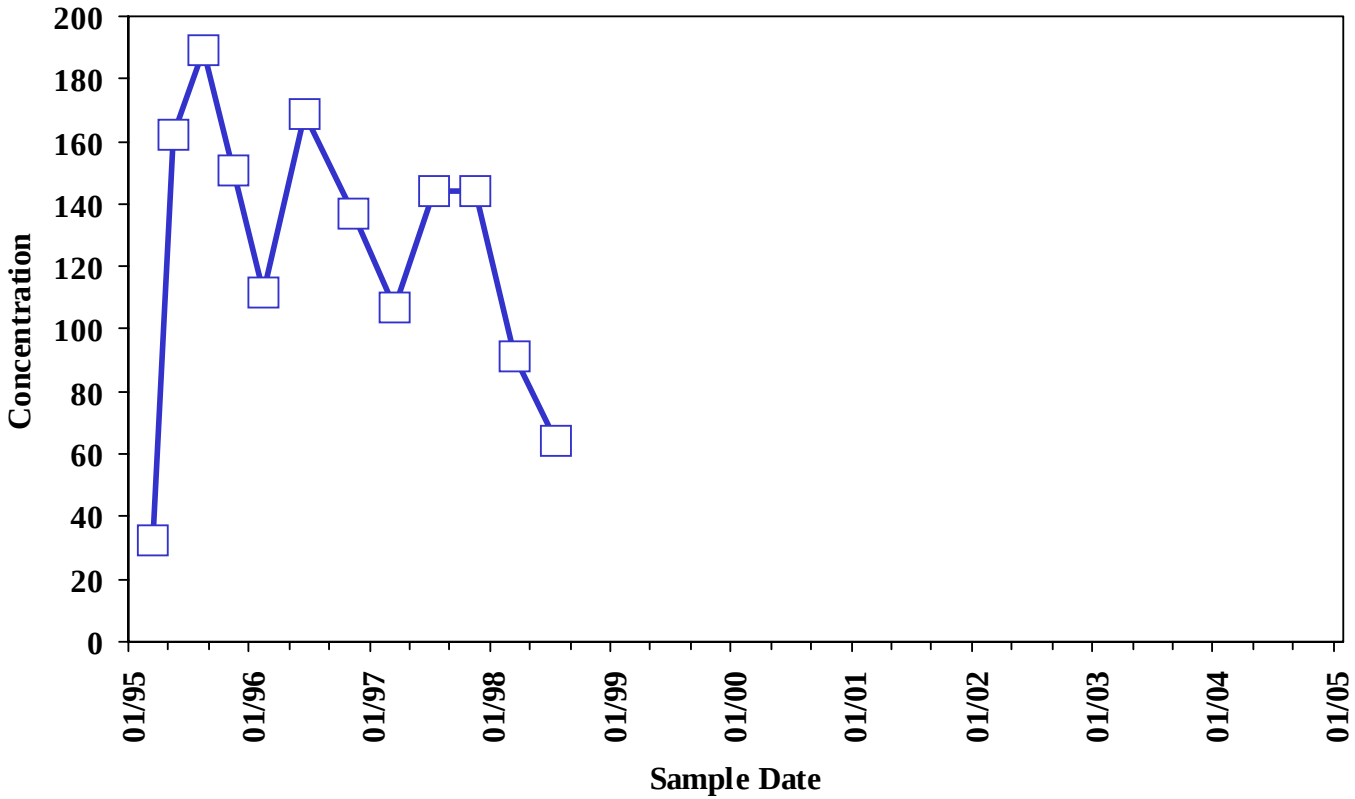
MW-NASB-072

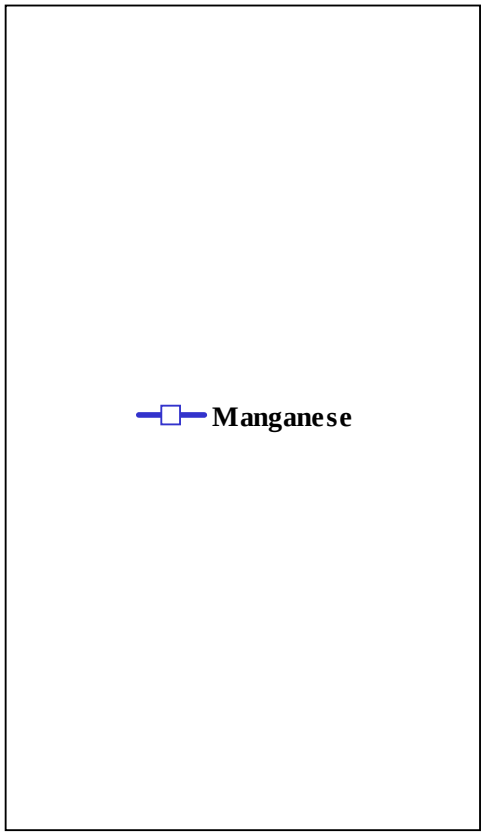
Low-flow Sample

Site 9

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

Manganese	
MEG:	200
MCL:	50

Sample Location:

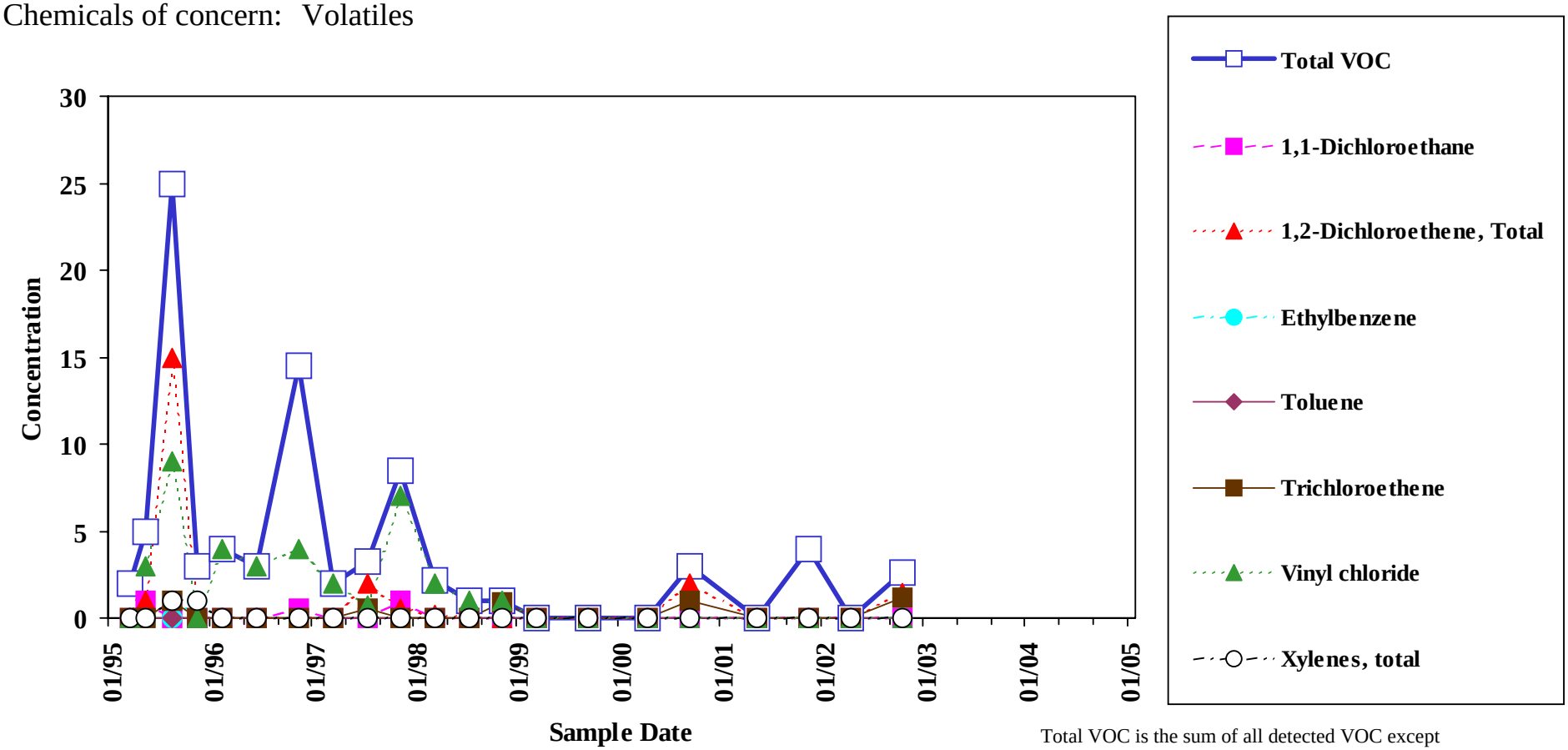
MW-NASB-072

Low-flow Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

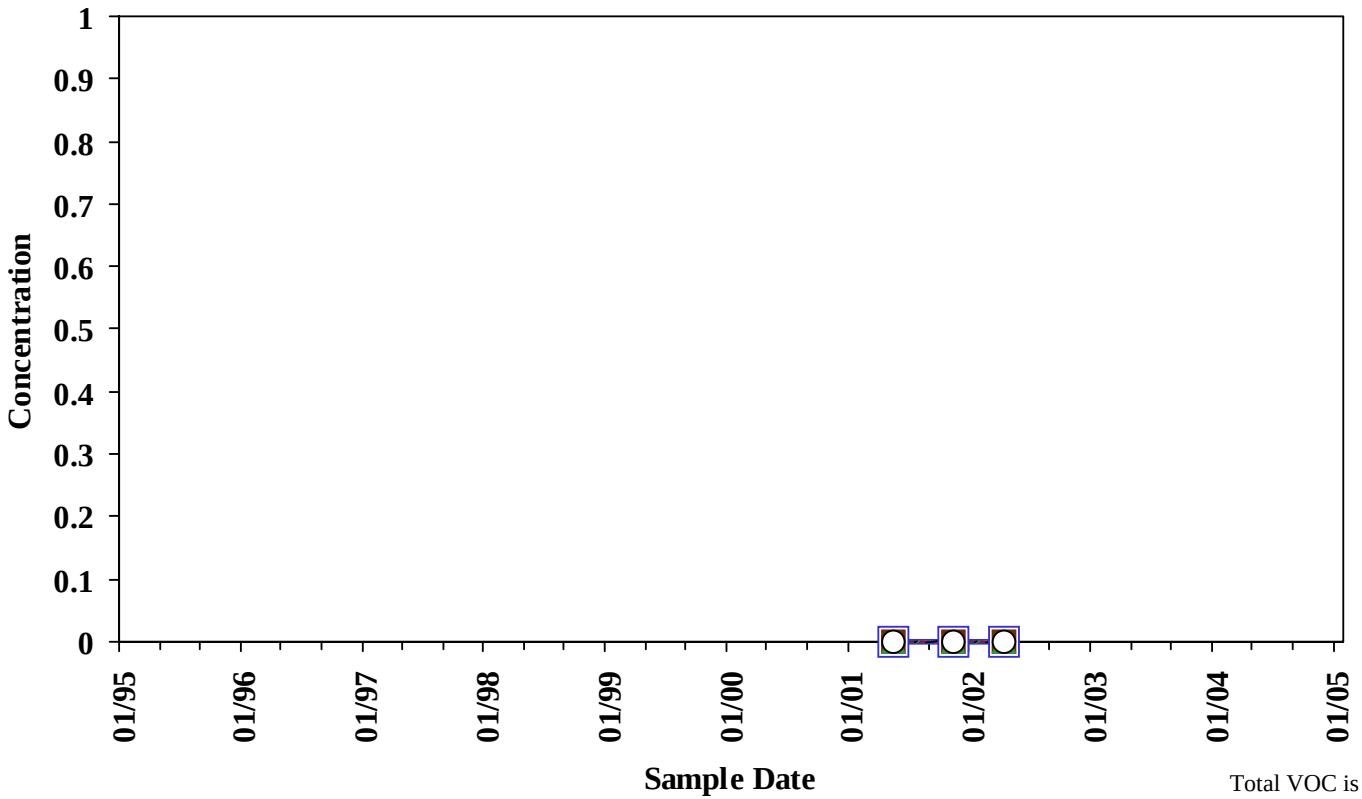
MW-NASB-072

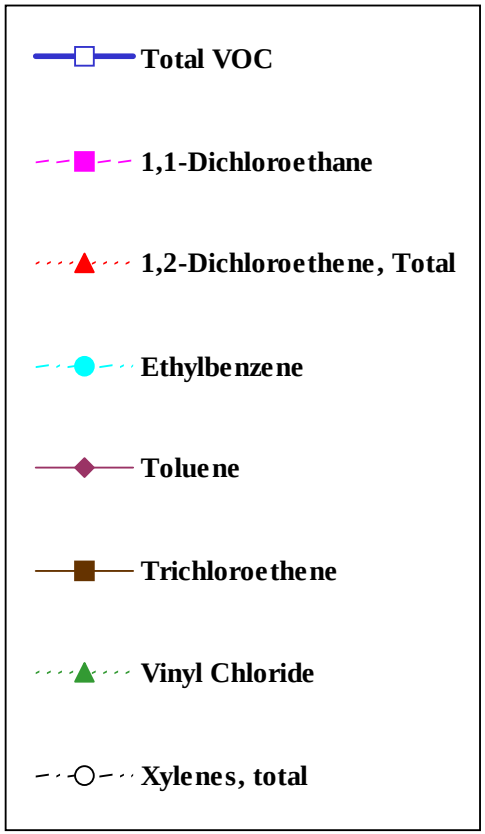
Shallow Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

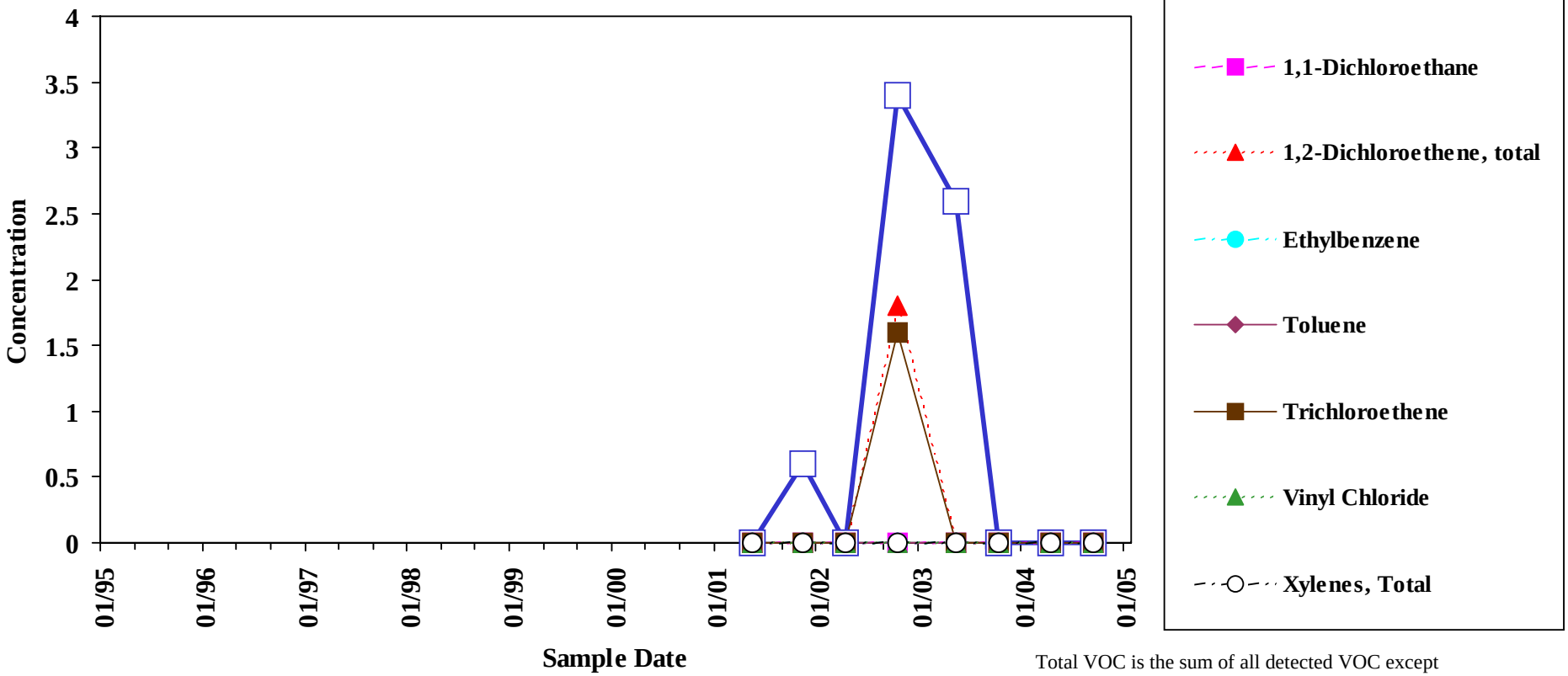
MW-NASB-072

Deep Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

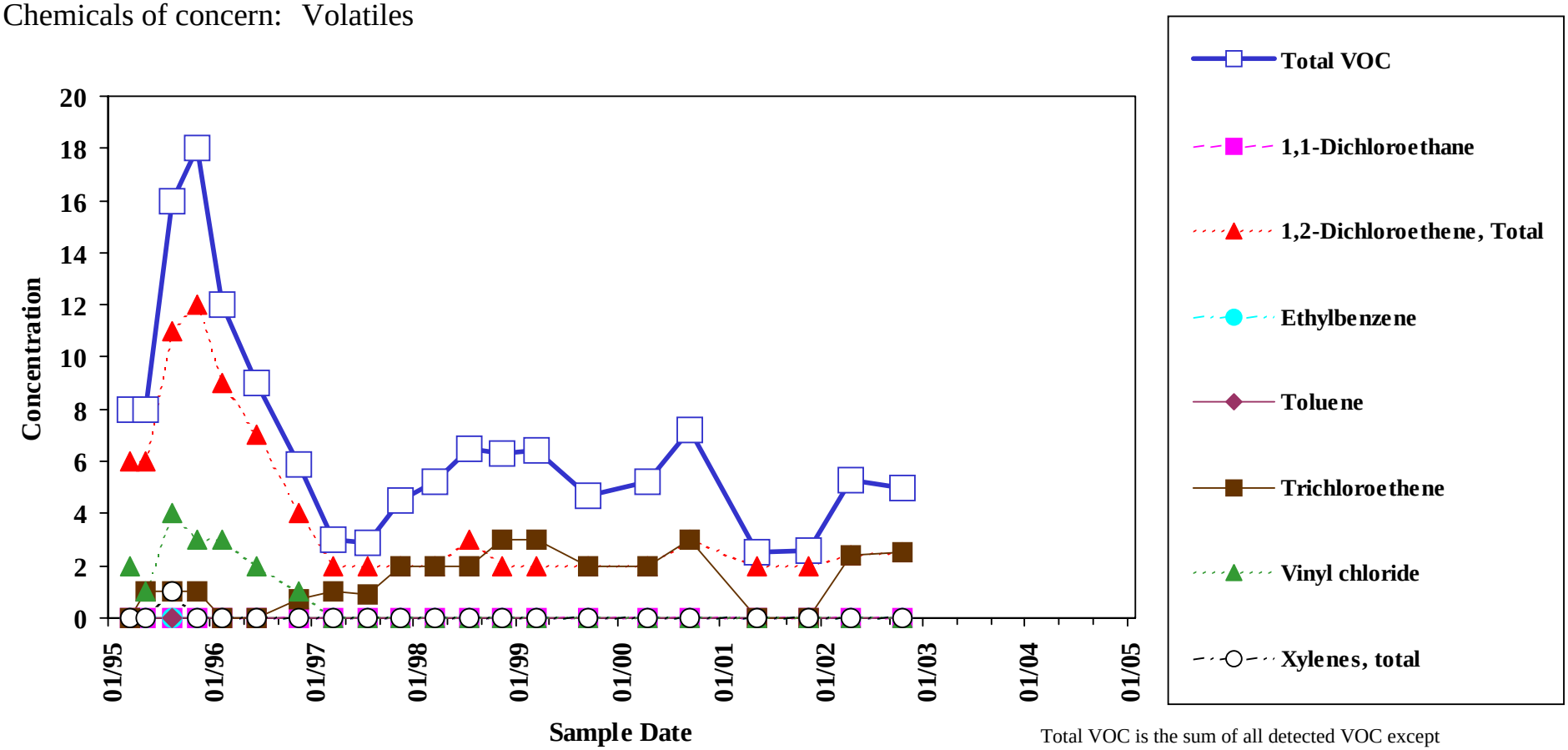
MW-NASB-074

Low-flow Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

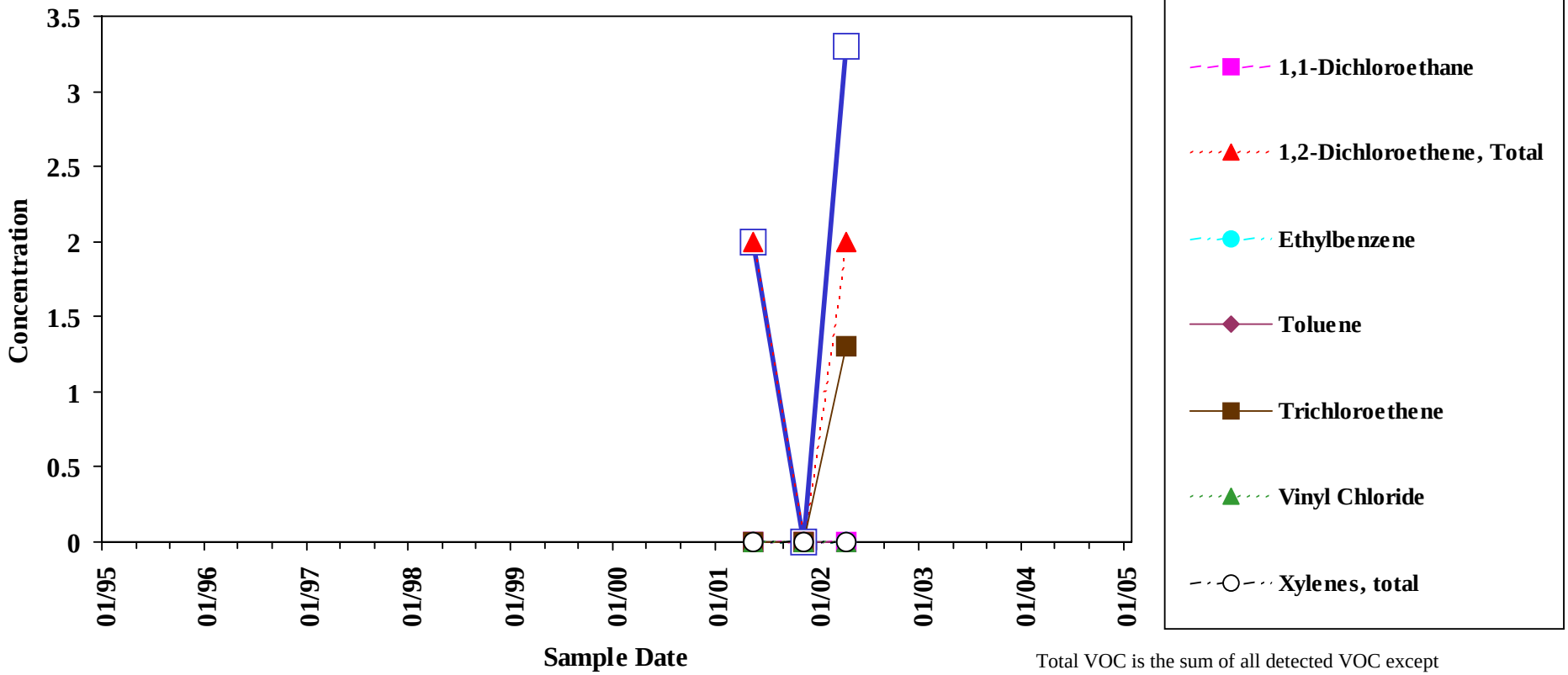
MW-NASB-074

Shallow Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

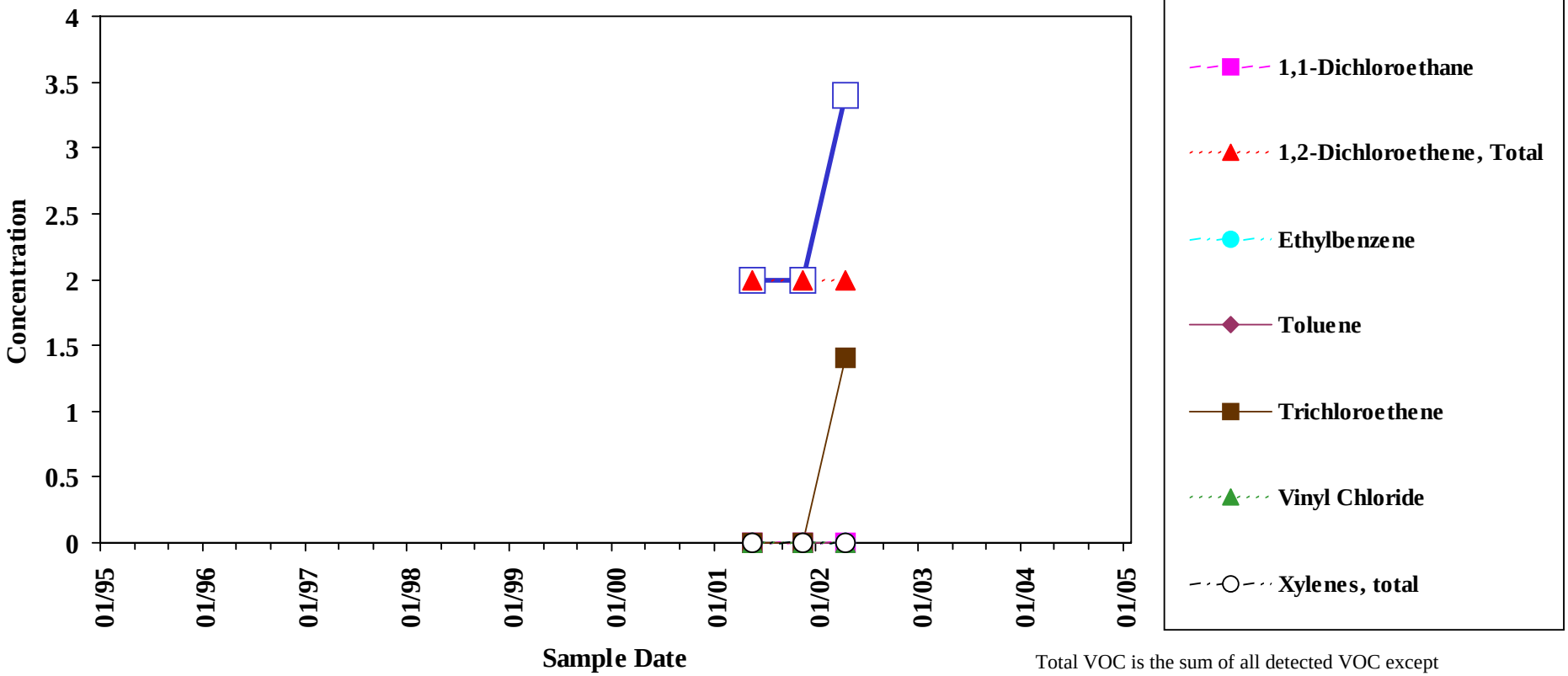
MW-NASB-074

Mid-depth Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

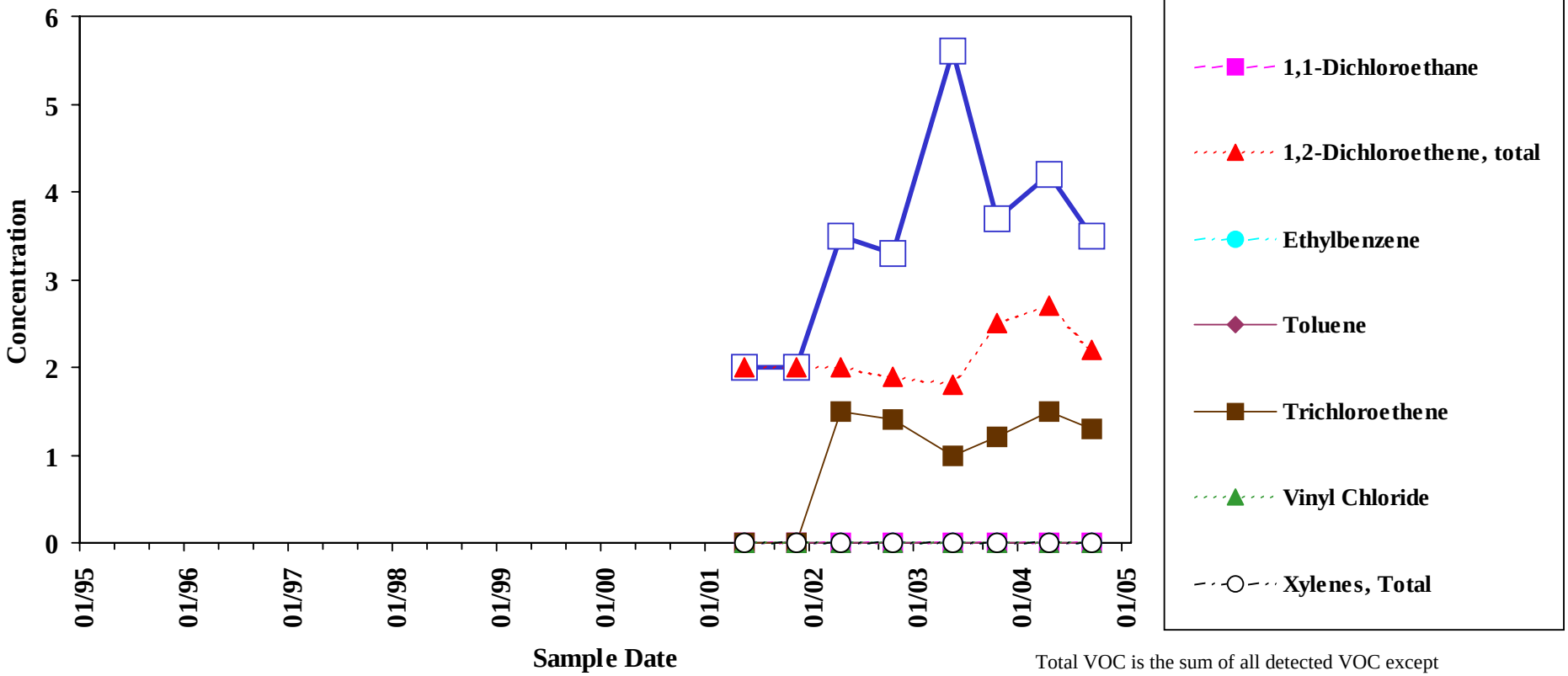
MW-NASB-074

Deep Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

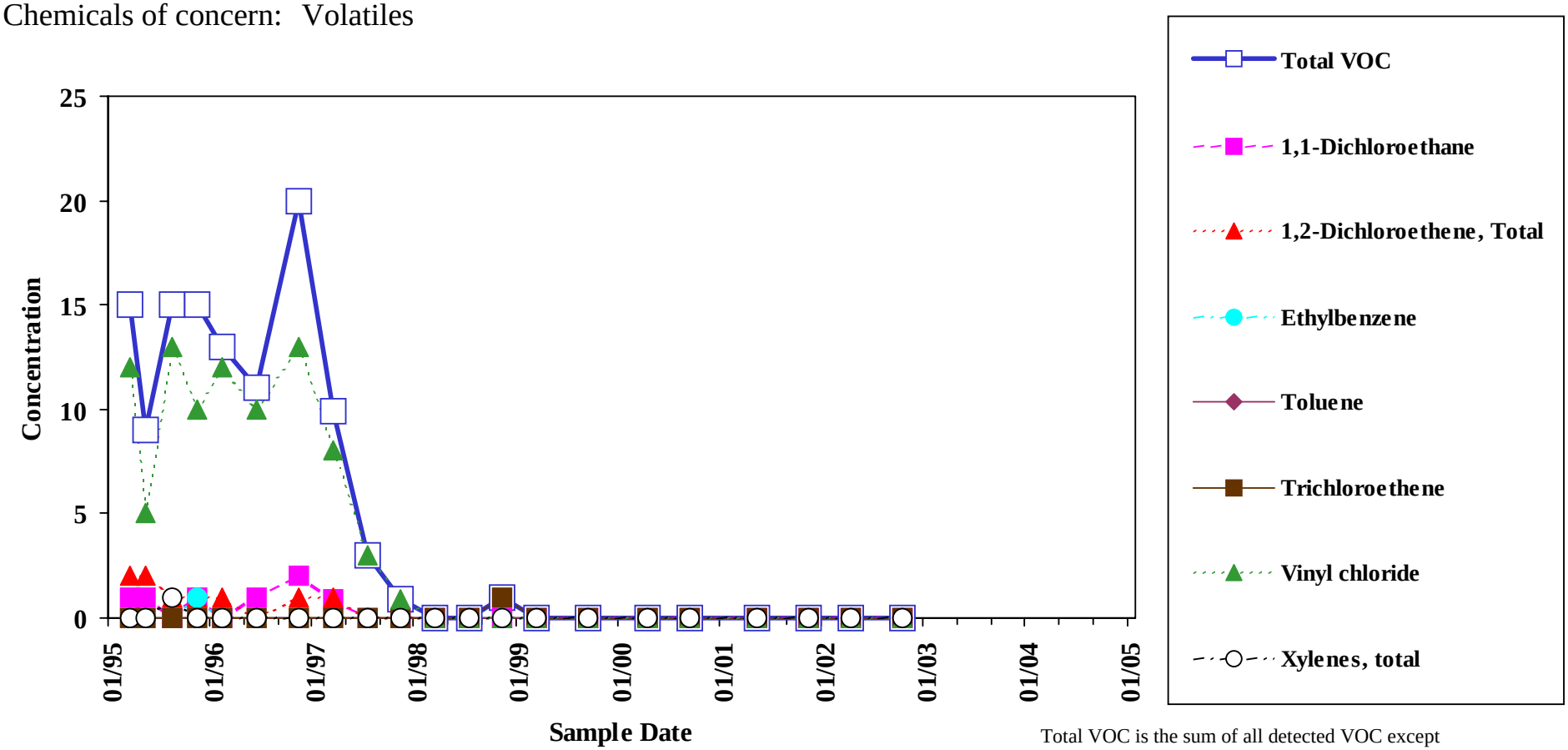
MW-NASB-075

Low-flow Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

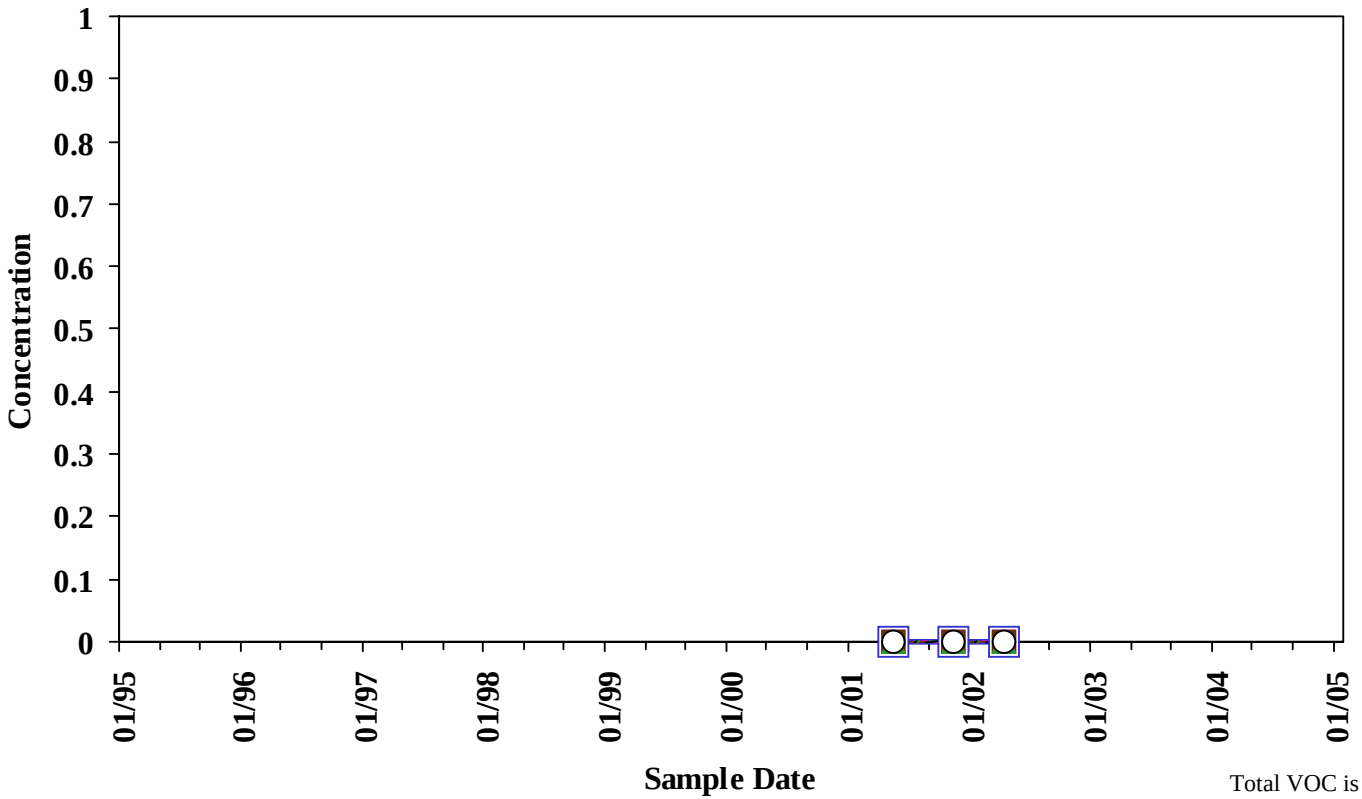
MW-NASB-075

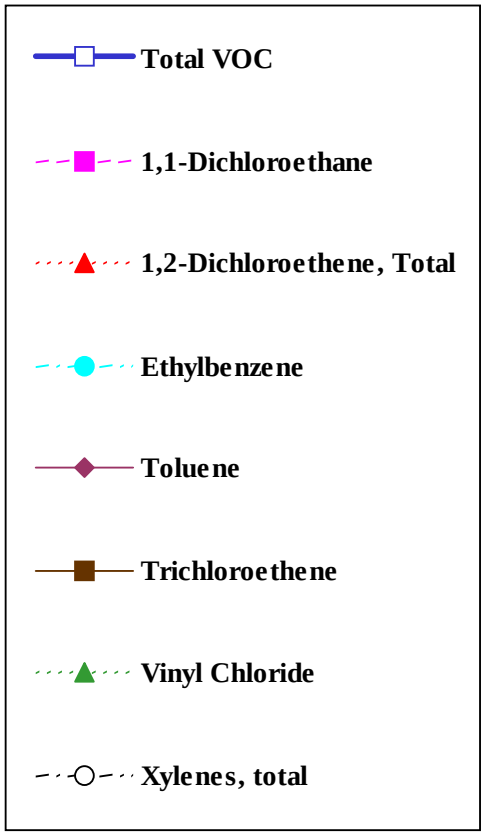
Shallow Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

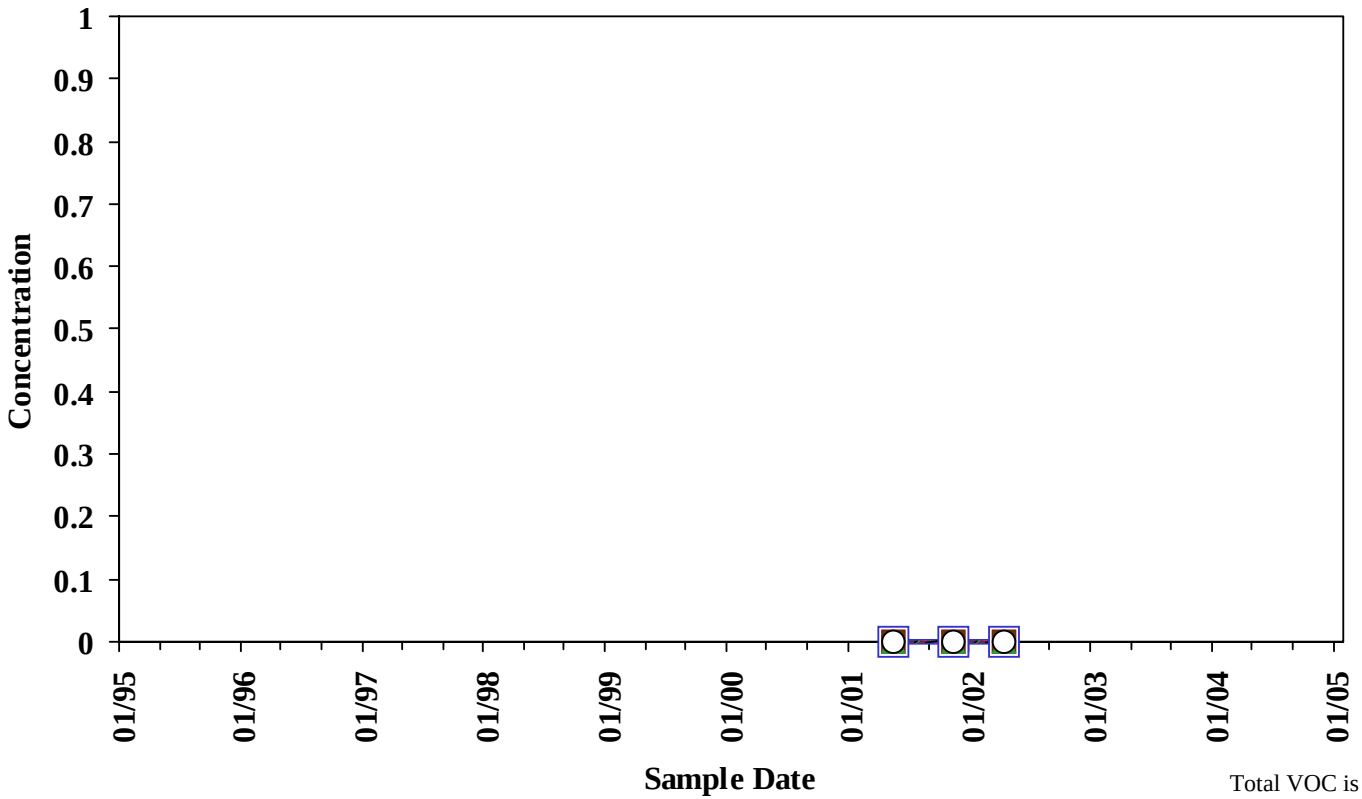
MW-NASB-075

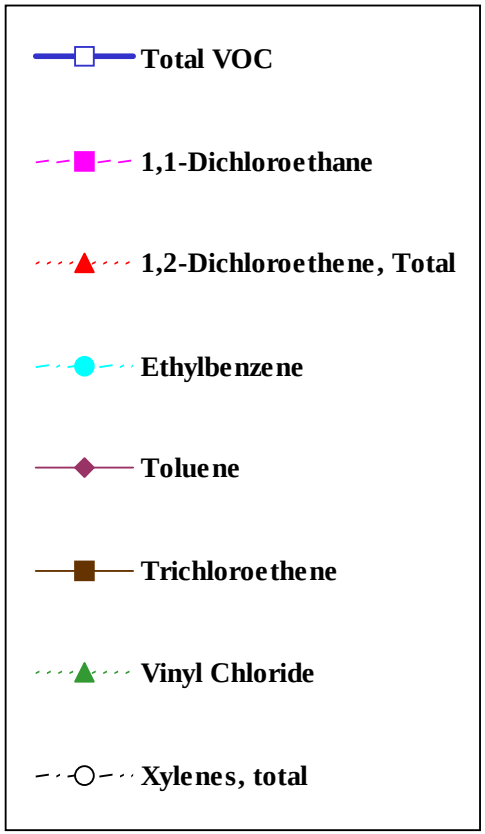
Mid-depth Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

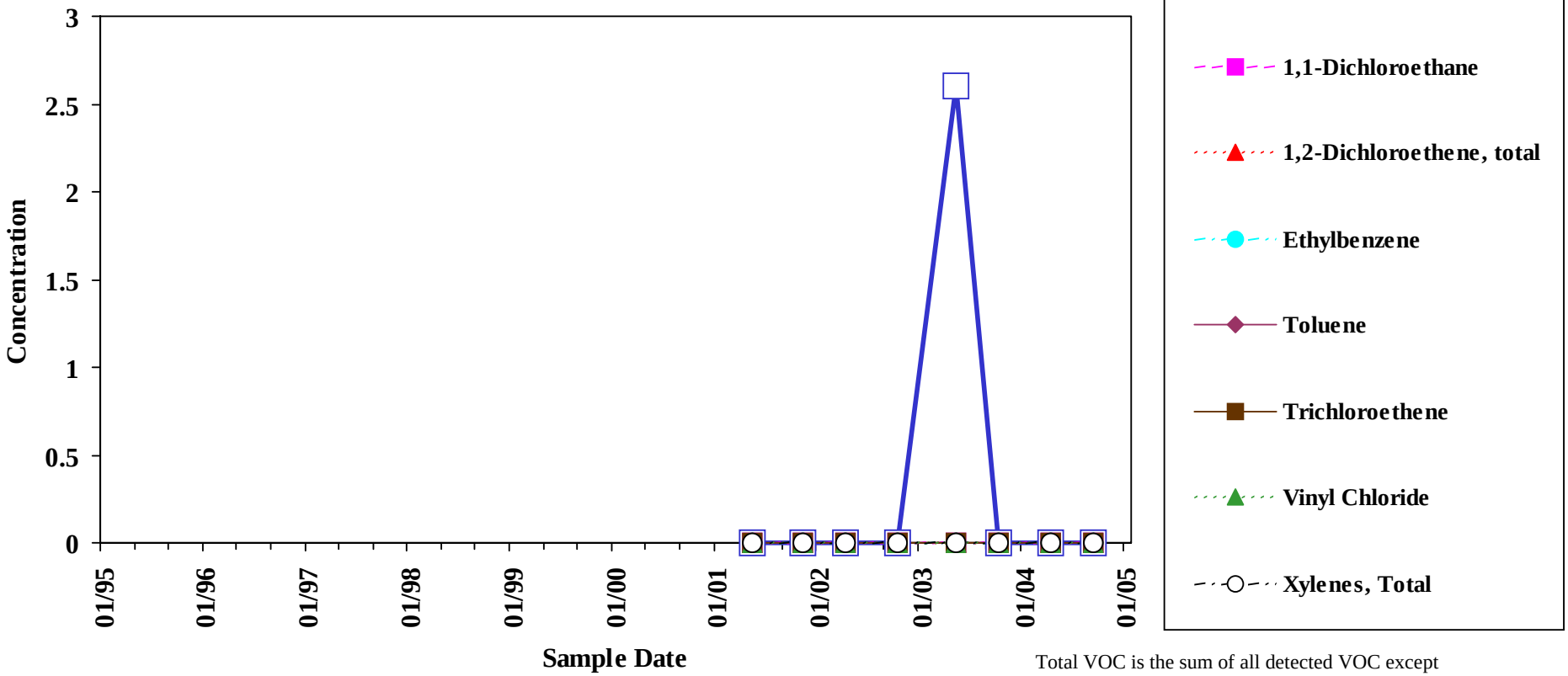
MW-NASB-075

Deep Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

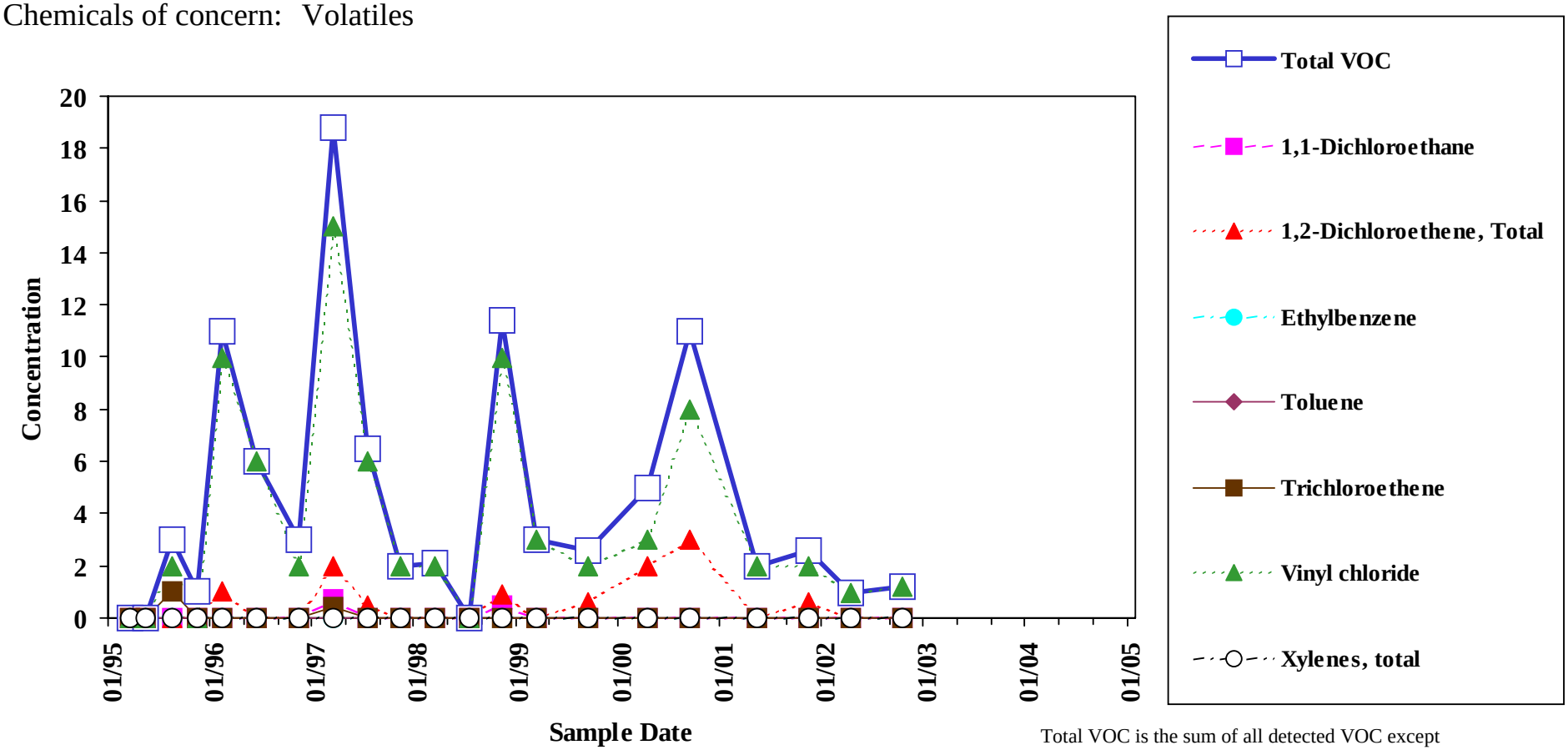
MW-NASB-076

Low-flow Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

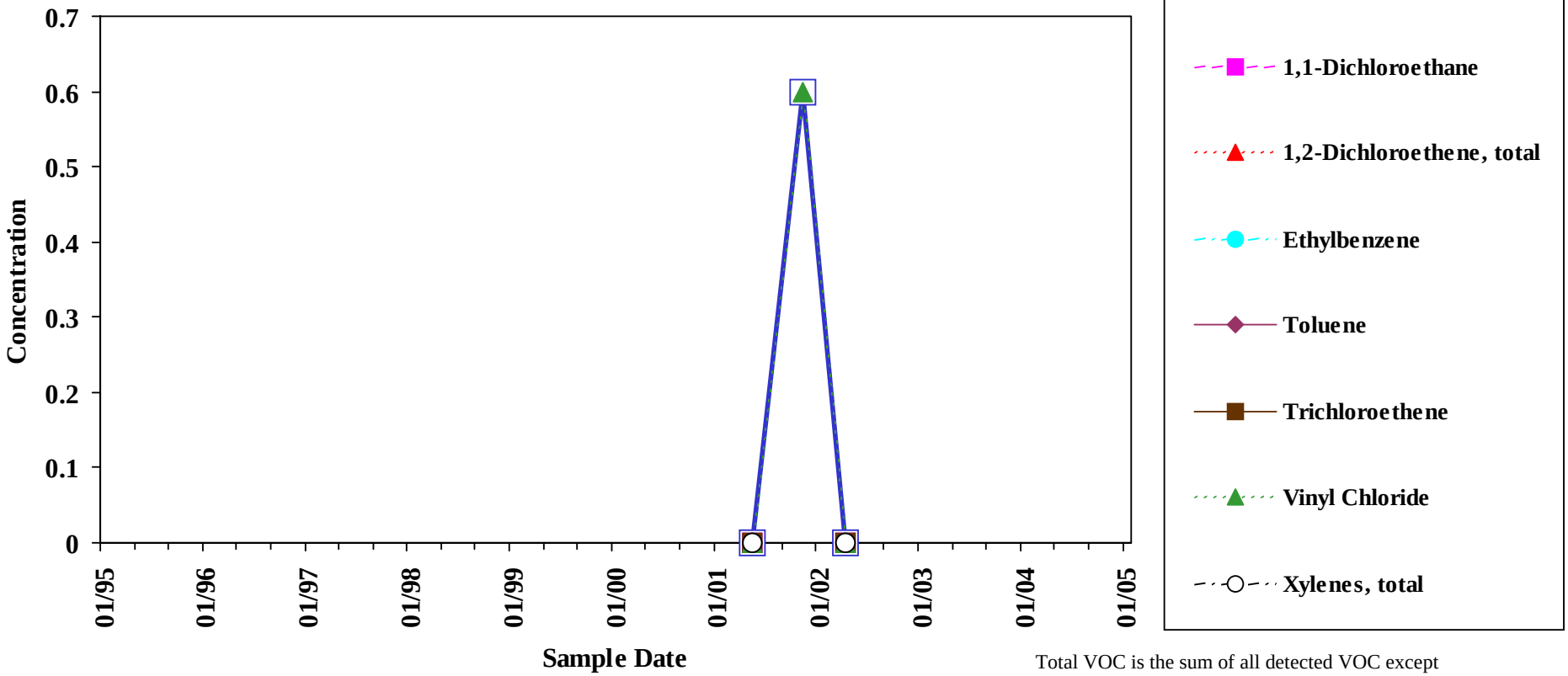
MW-NASB-076

Shallow Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

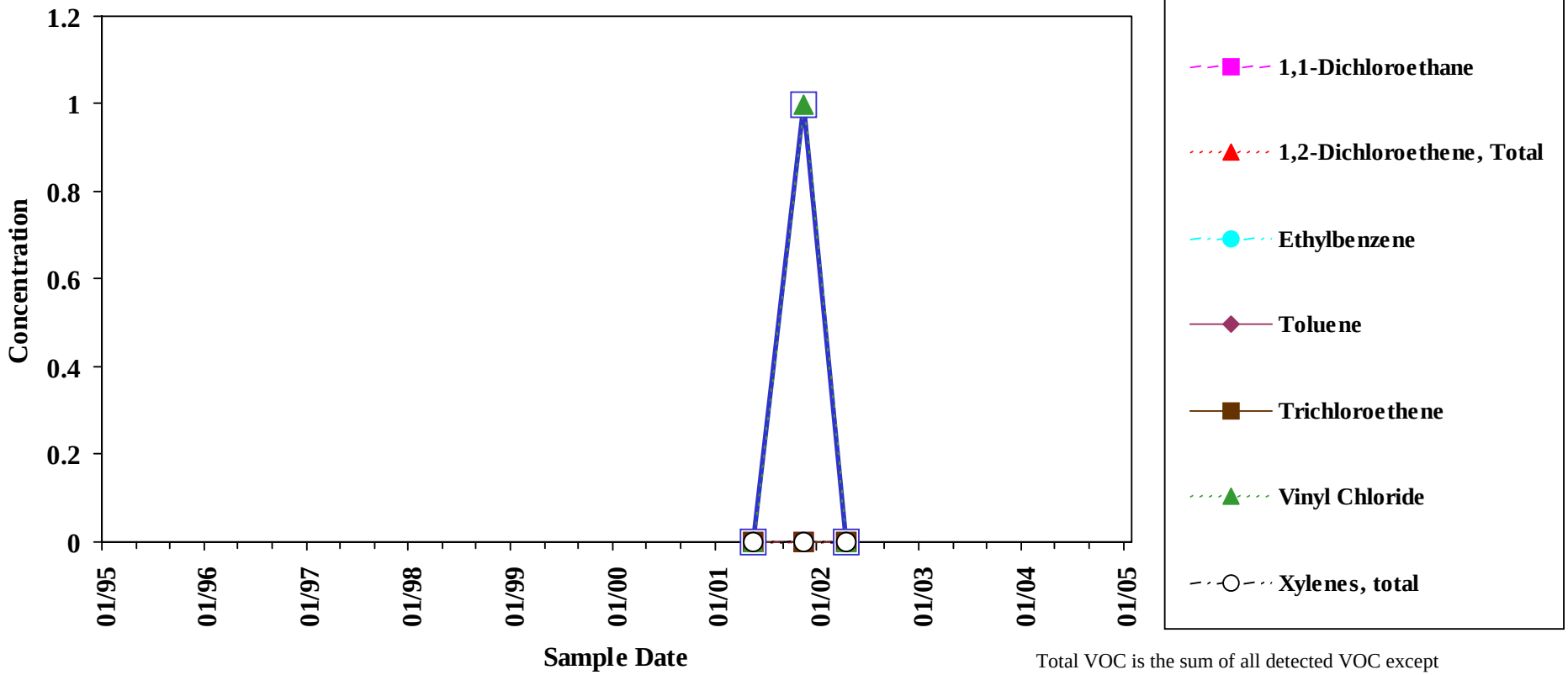
MW-NASB-076

Mid-depth Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

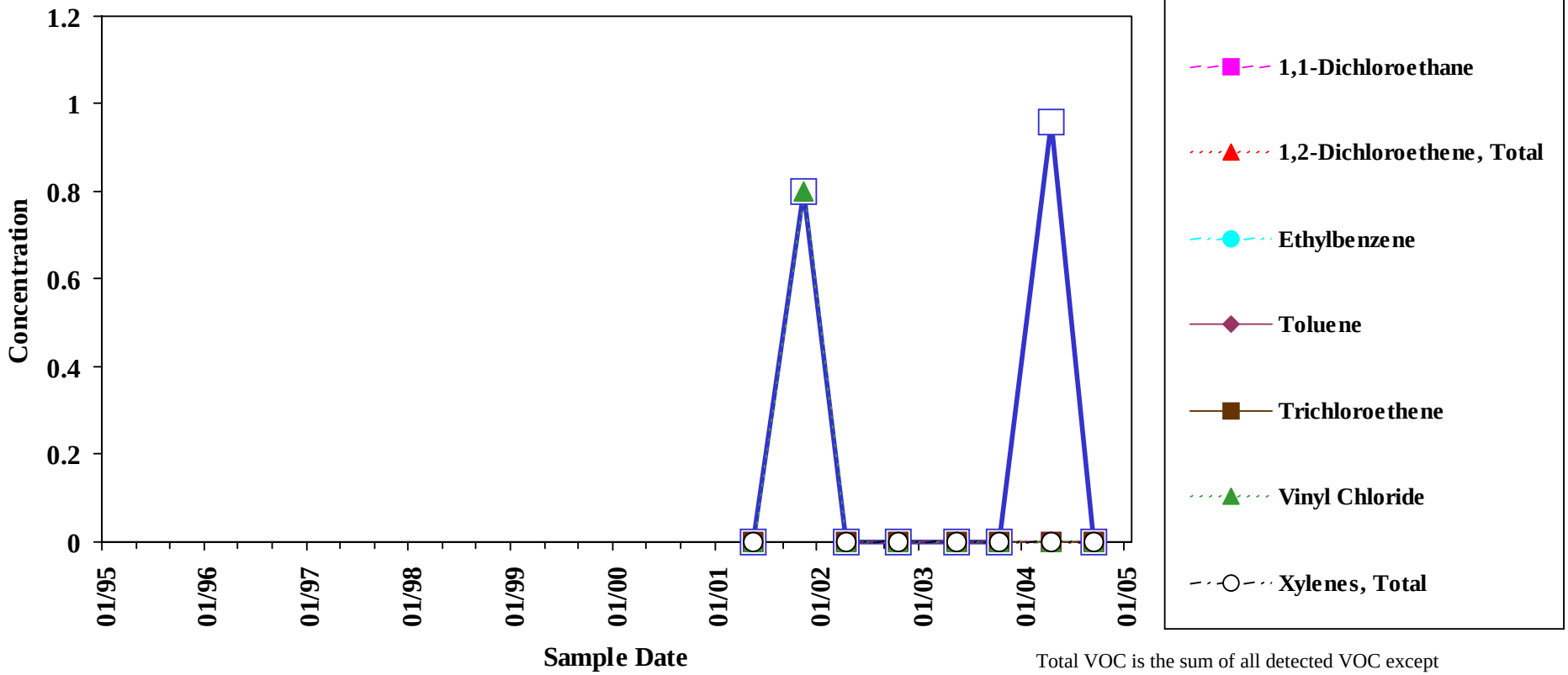
MW-NASB-076

Deep Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

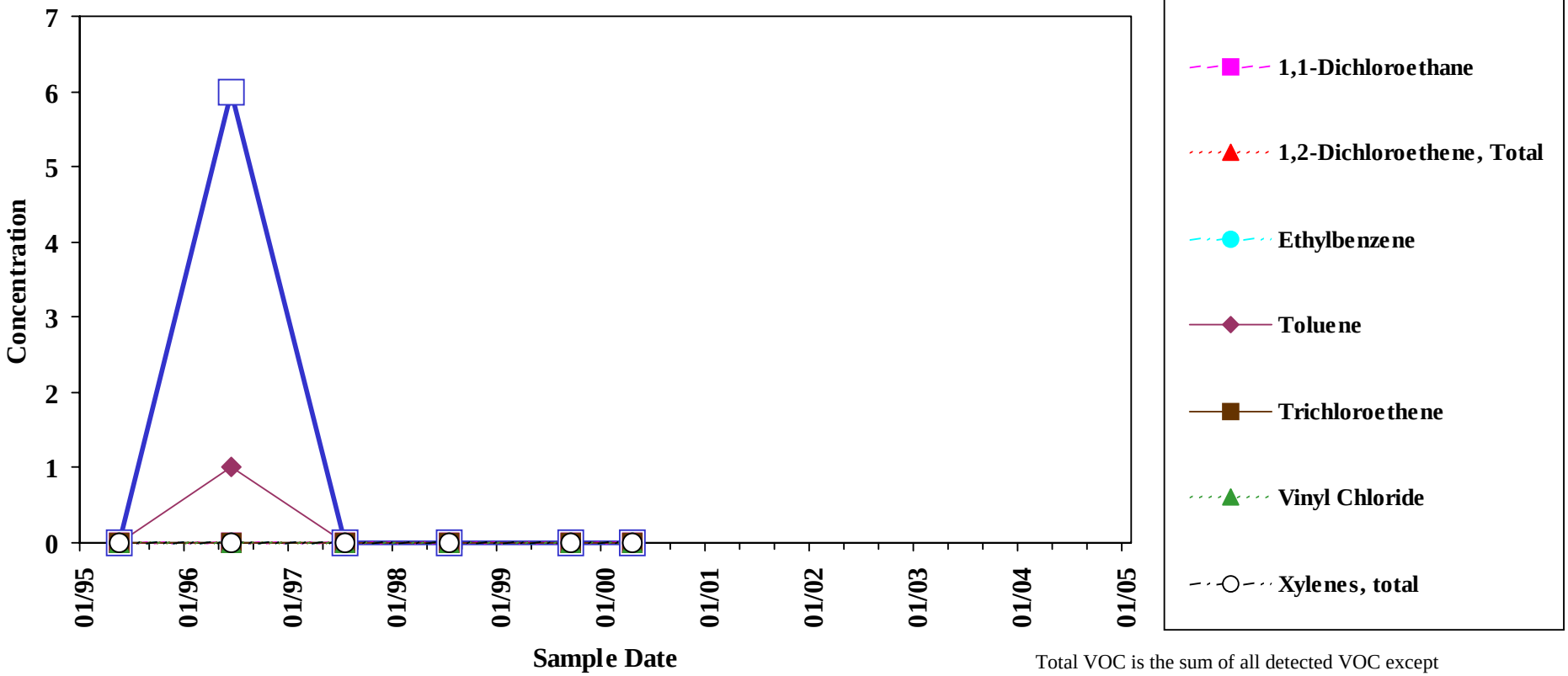
MW-NASB-077

Low-flow Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

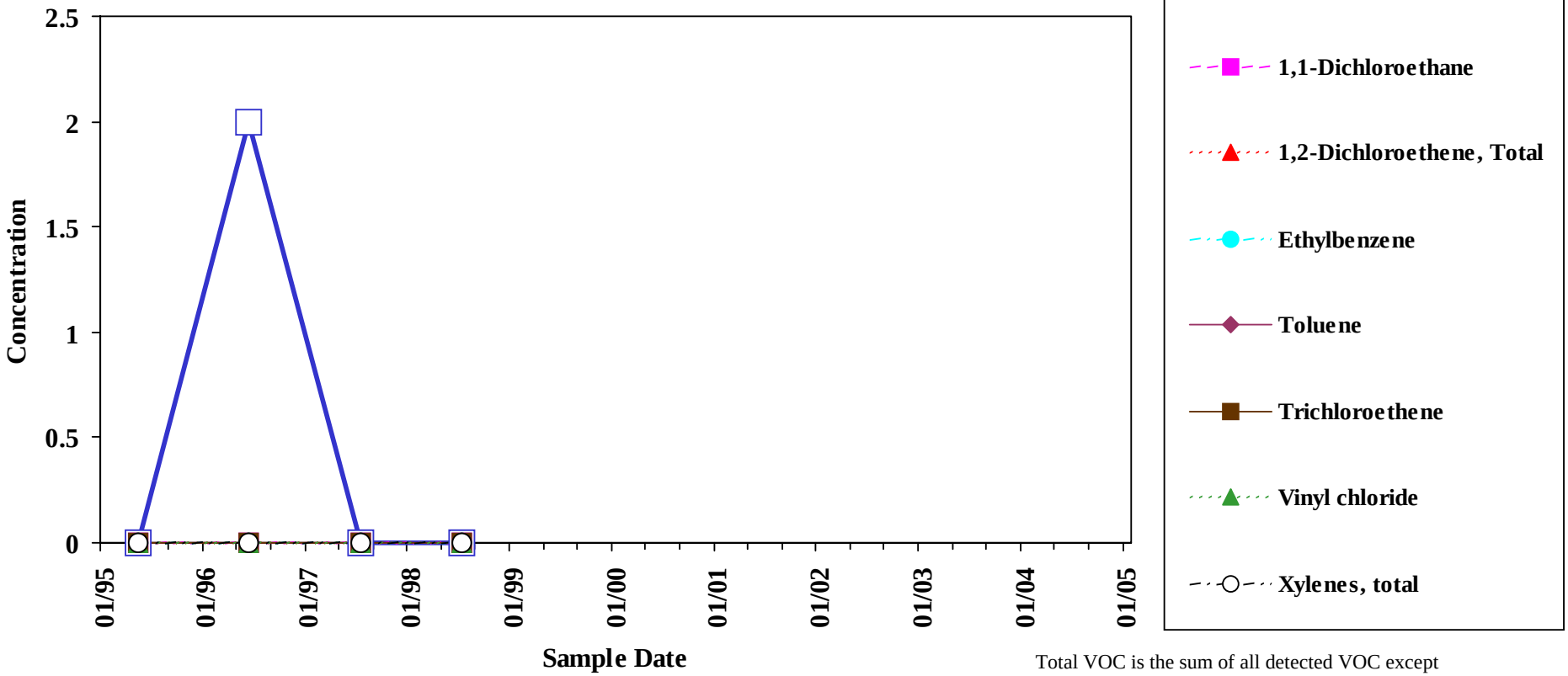
MW-NASB-078

Low-flow Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

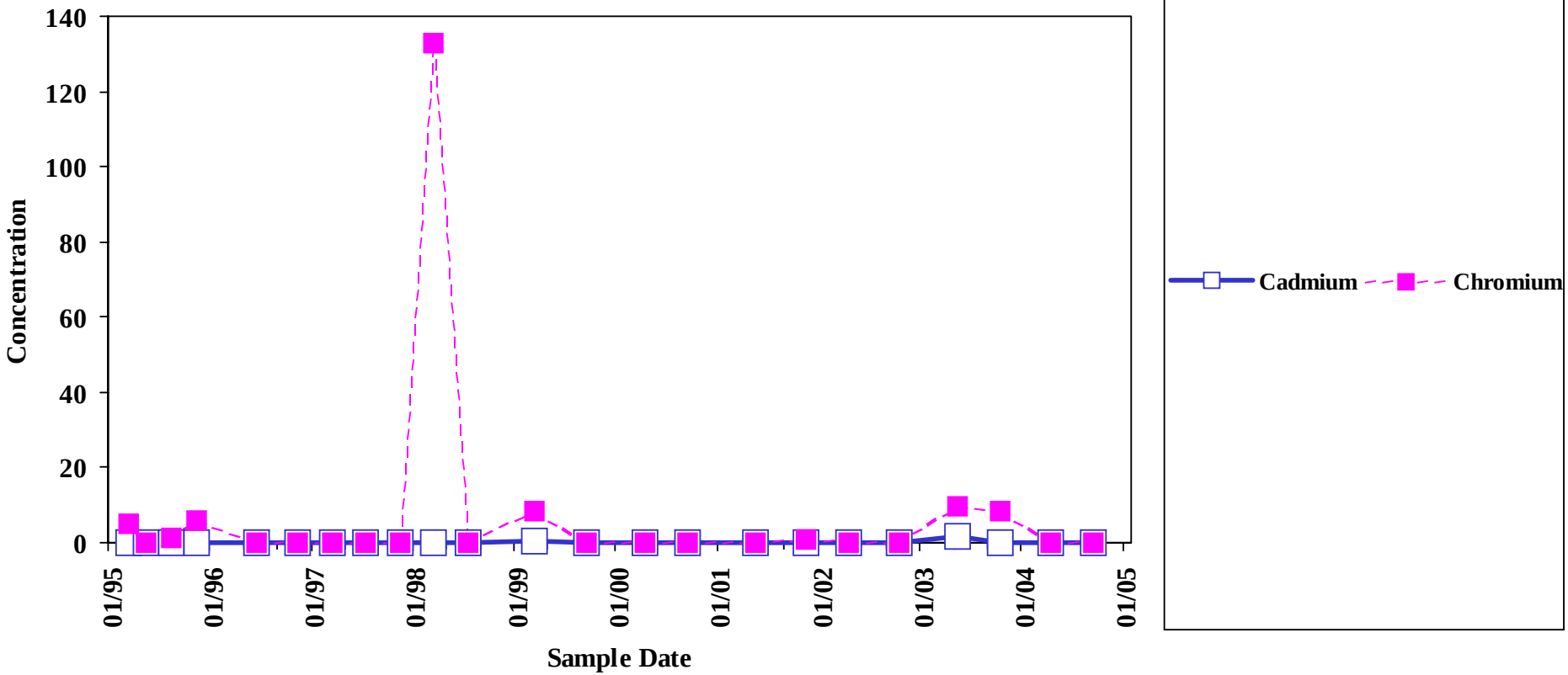
MW-NASB-079

Low-flow Sample

Site 9

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

Cadmium		Chromium	
MEG:	5	MEG:	100
MCL:	5	MCL:	100

Sample Location:

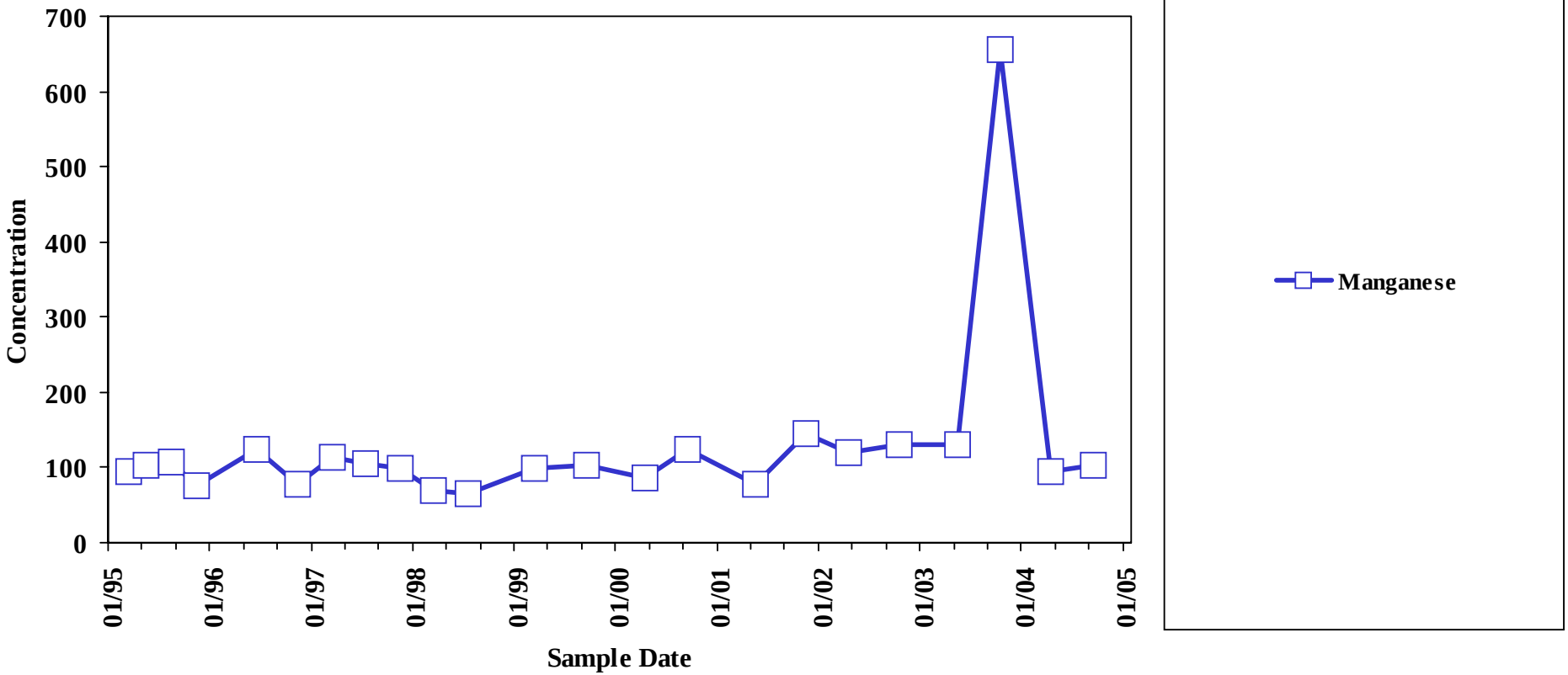
MW-NASB-079

Low-flow Sample

Site 9

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

Manganese	
MEG:	200
MCL:	50

Sample Location:

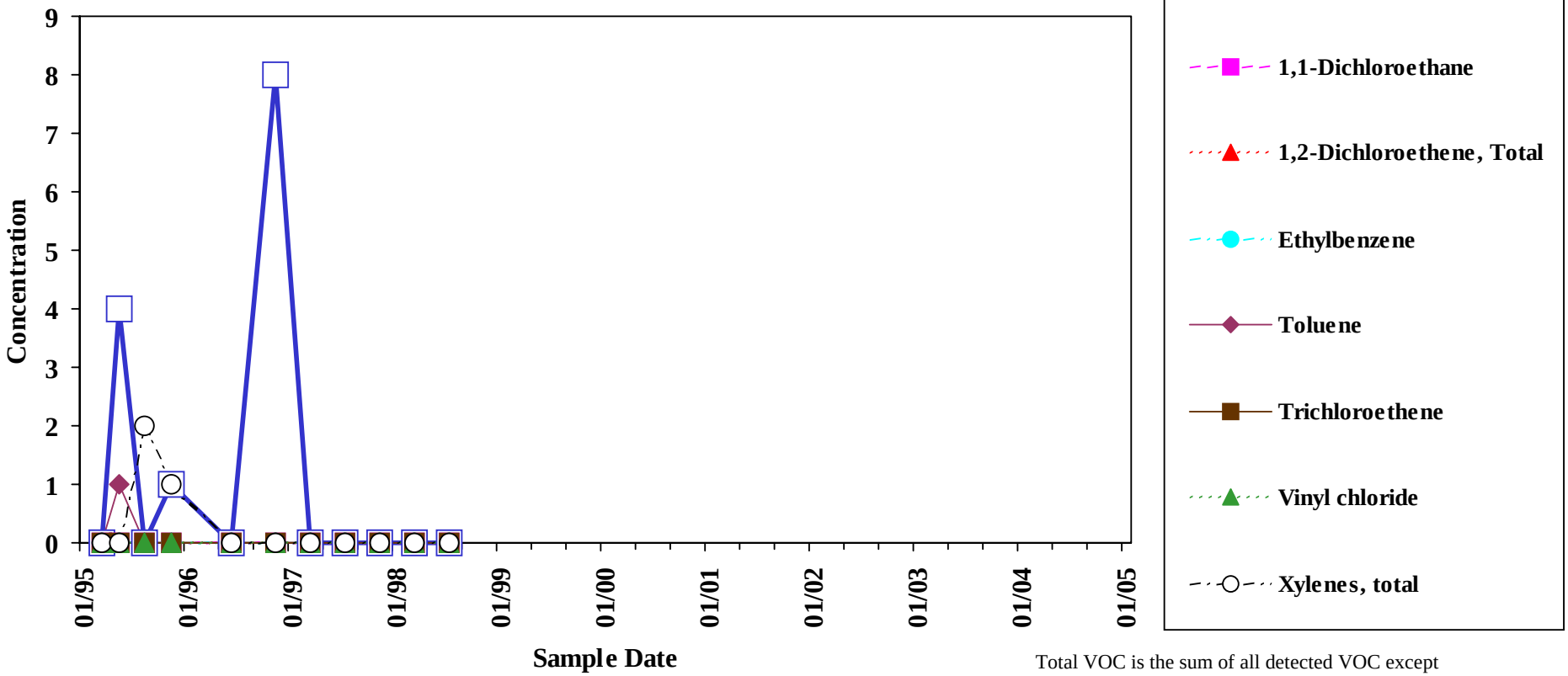
MW-NASB-079

Low-flow Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

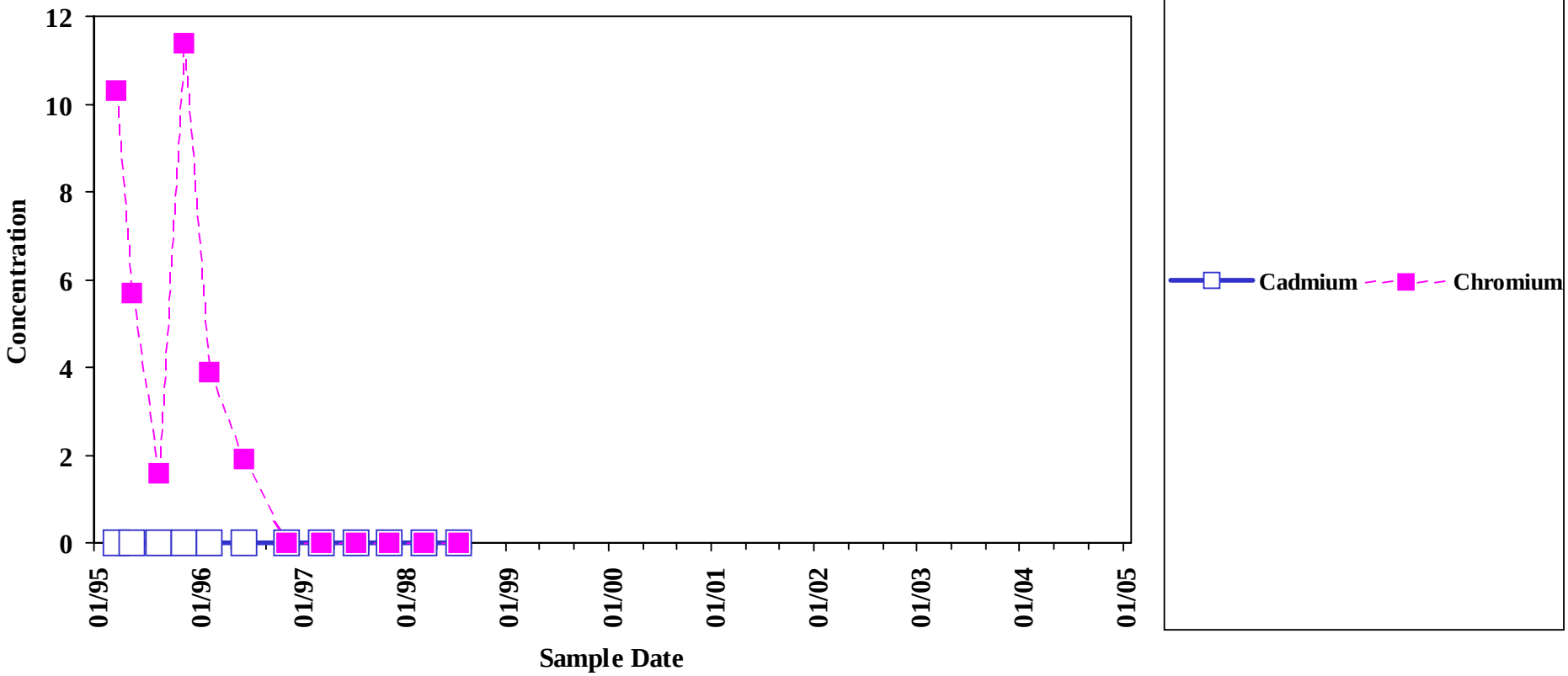
MW-NASB-080

Low-flow Sample

Site 9

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

Cadmium		Chromium	
MEG:	5	MEG:	100
MCL:	5	MCL:	100

Sample Location:

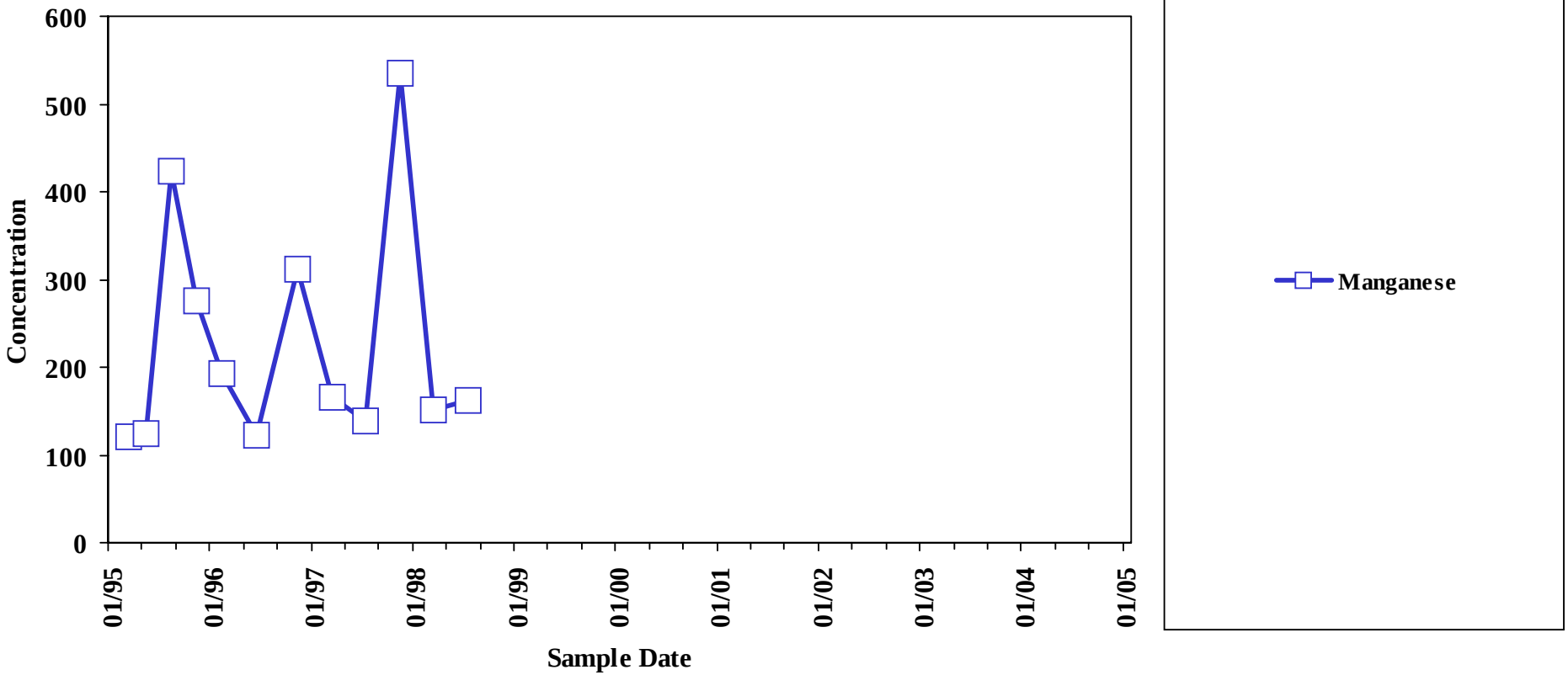
MW-NASB-080

Low-flow Sample

Site 9

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

Manganese	
MEG:	200
MCL:	50

Sample Location:

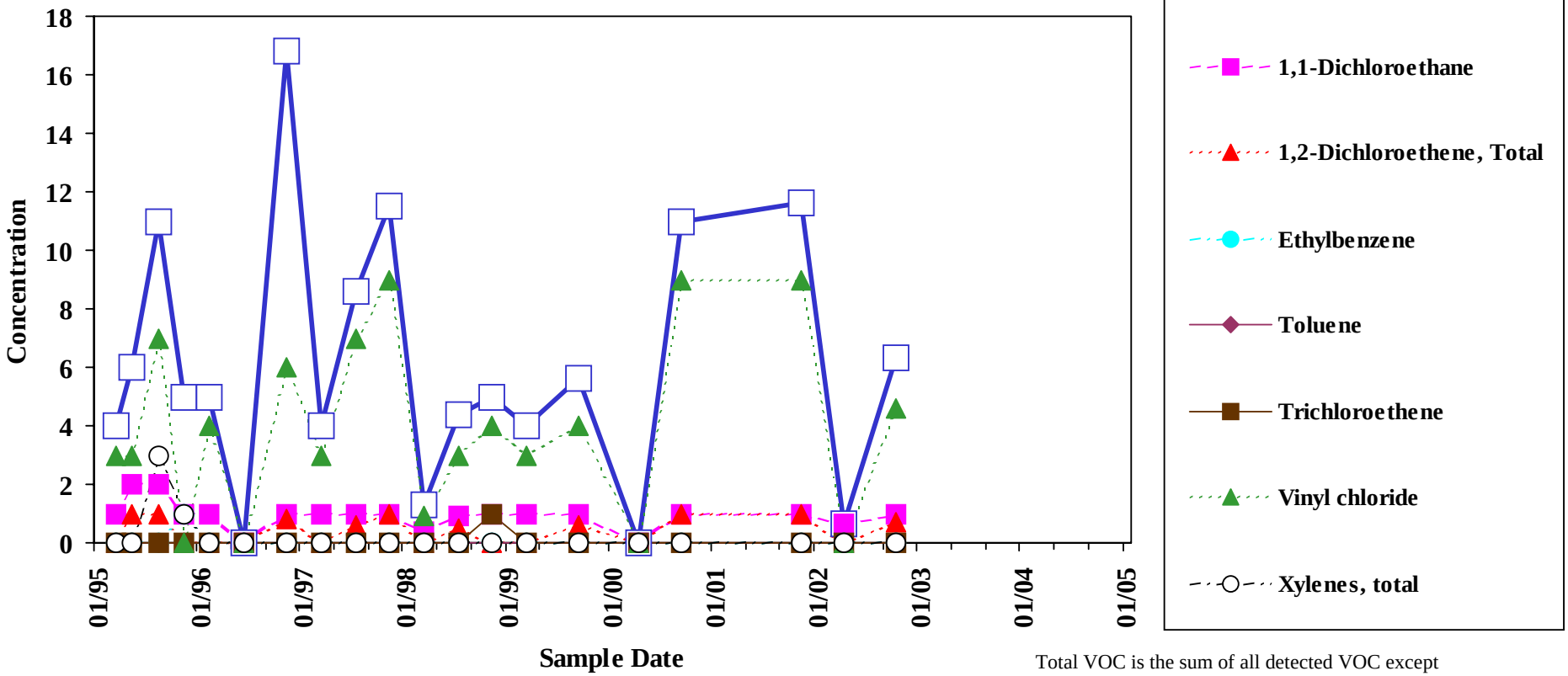
MW-NASB-080

Low-flow Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

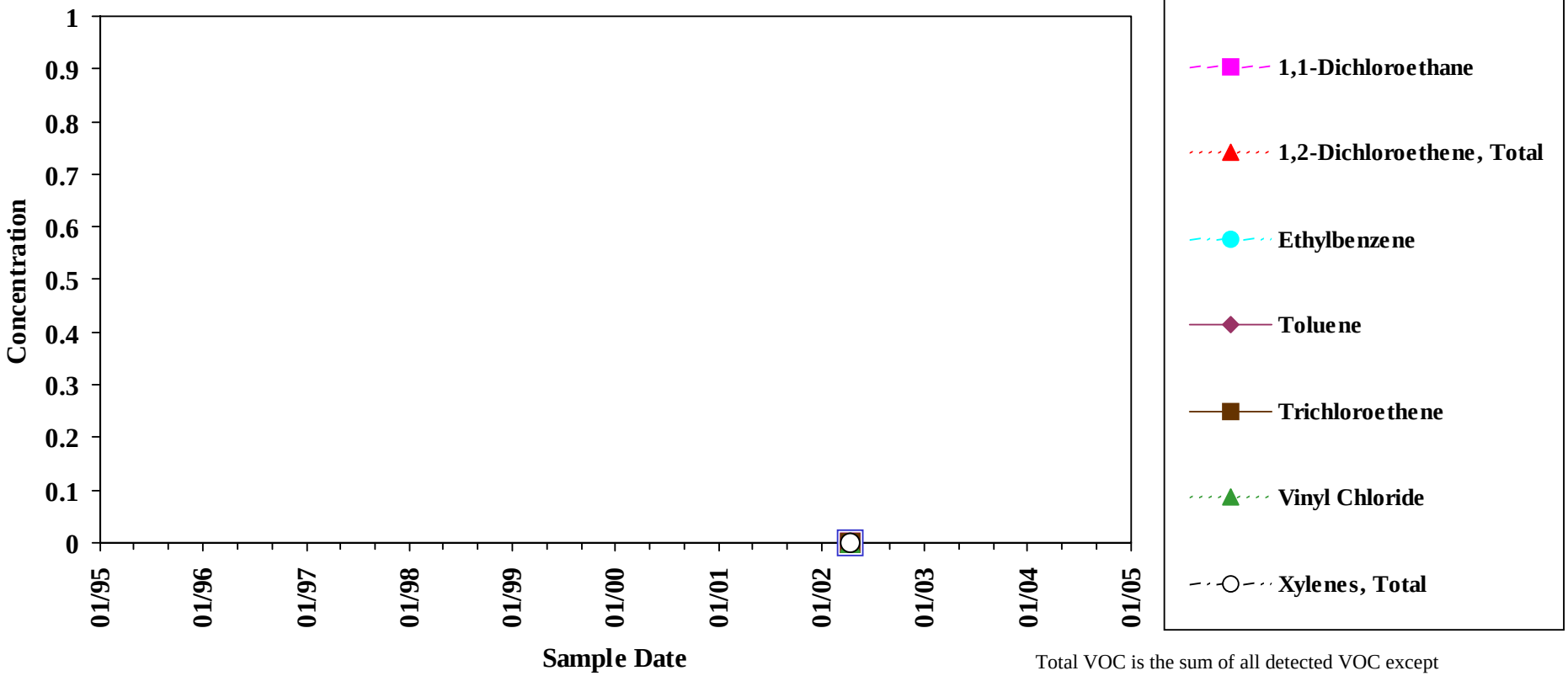
MW-NASB-080

Shallow Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

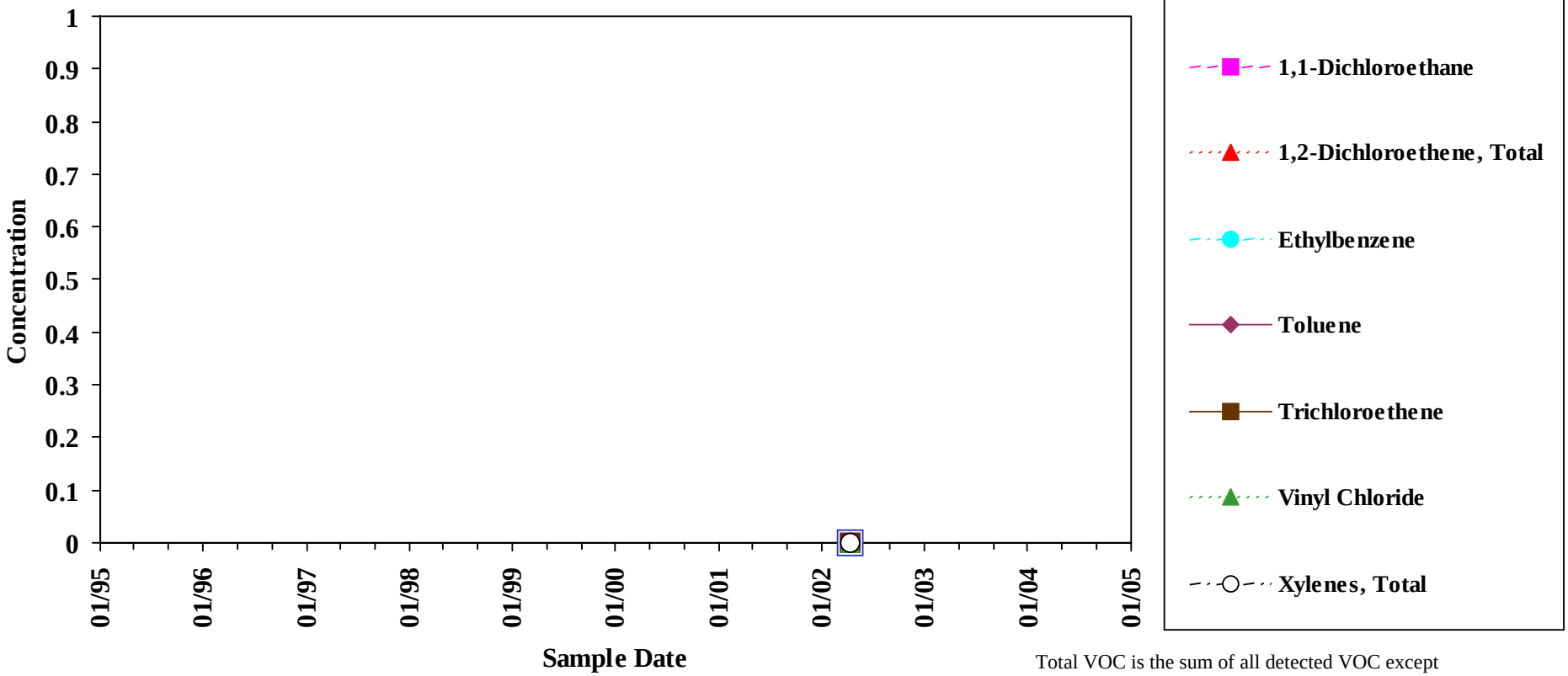
MW-NASB-080

Mid-depth Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

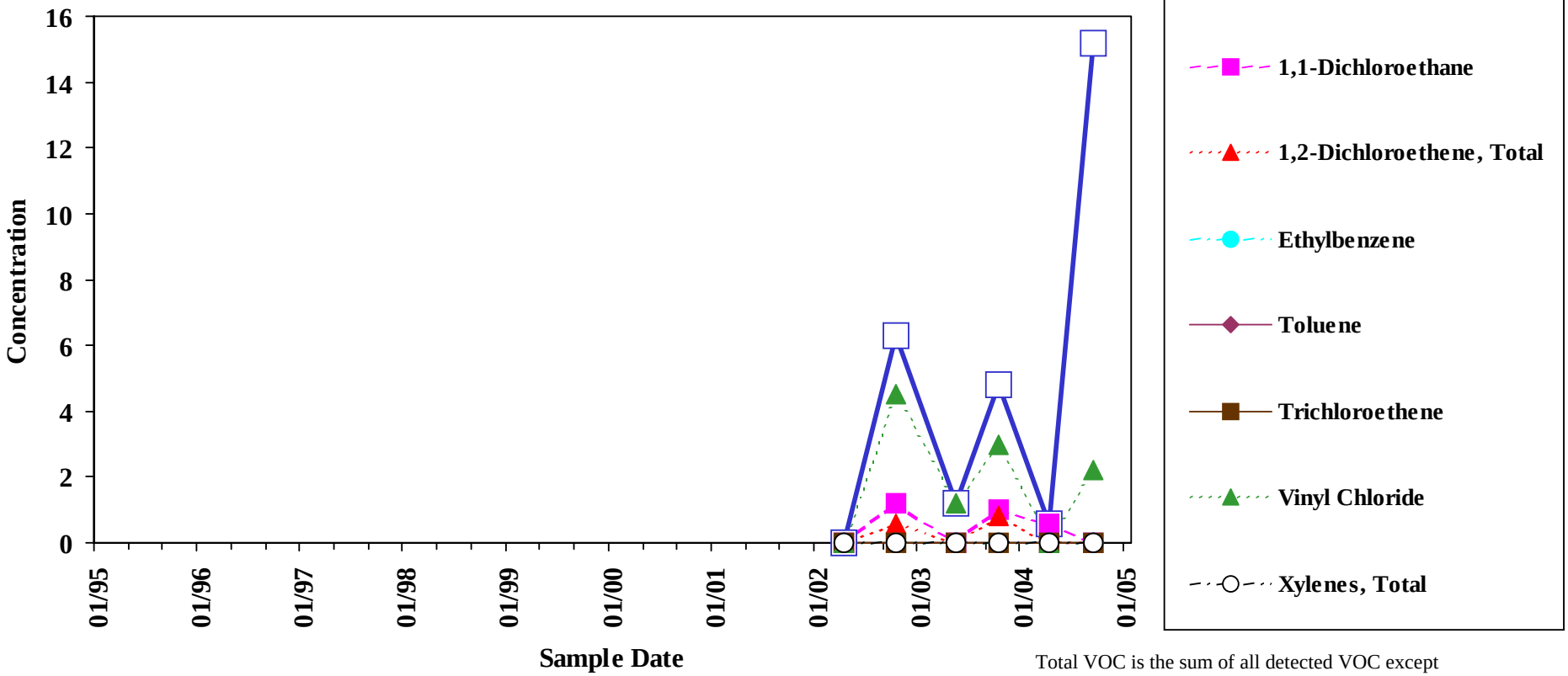
MW-NASB-080

Deep Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

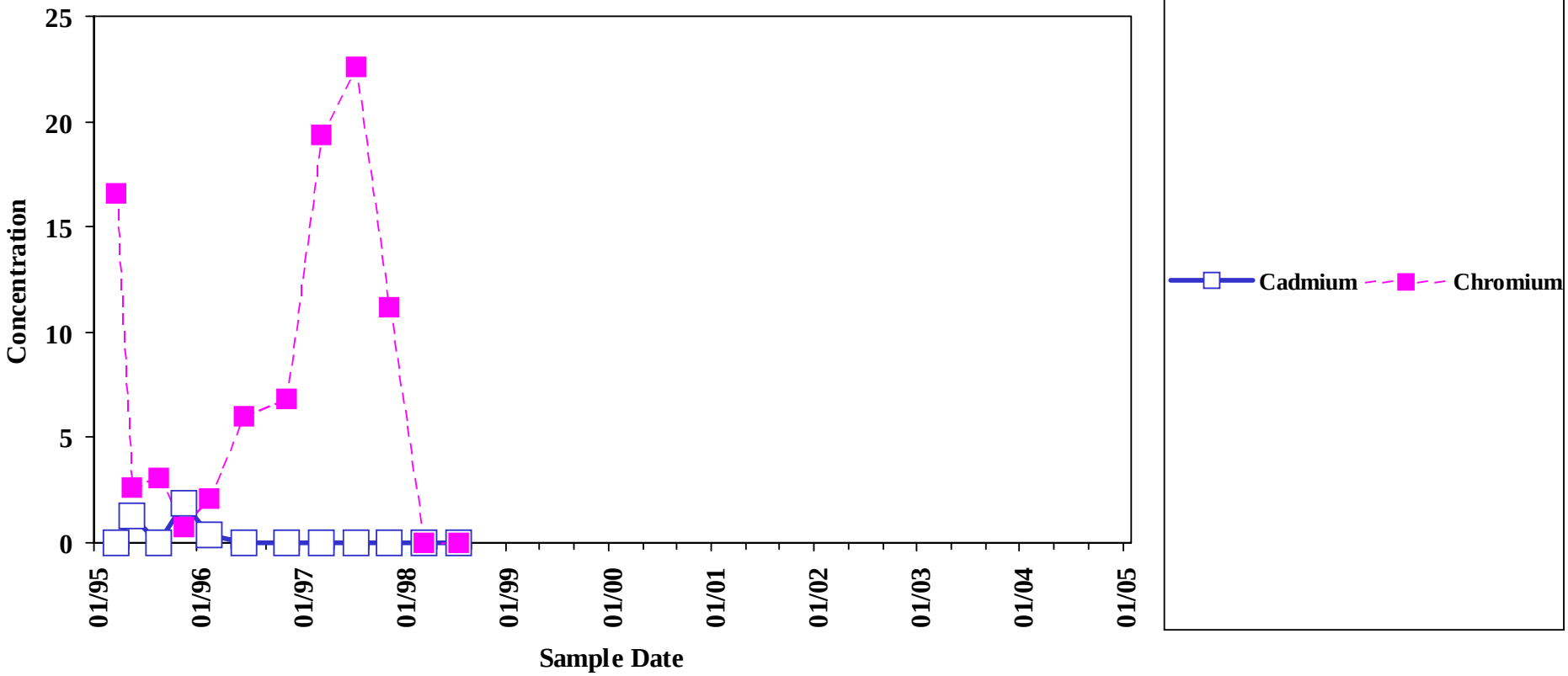
MW-NASB-081

Low-flow Sample

Site 9

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

Cadmium		Chromium	
MEG:	5	MEG:	100
MCL:	5	MCL:	100

Sample Location:

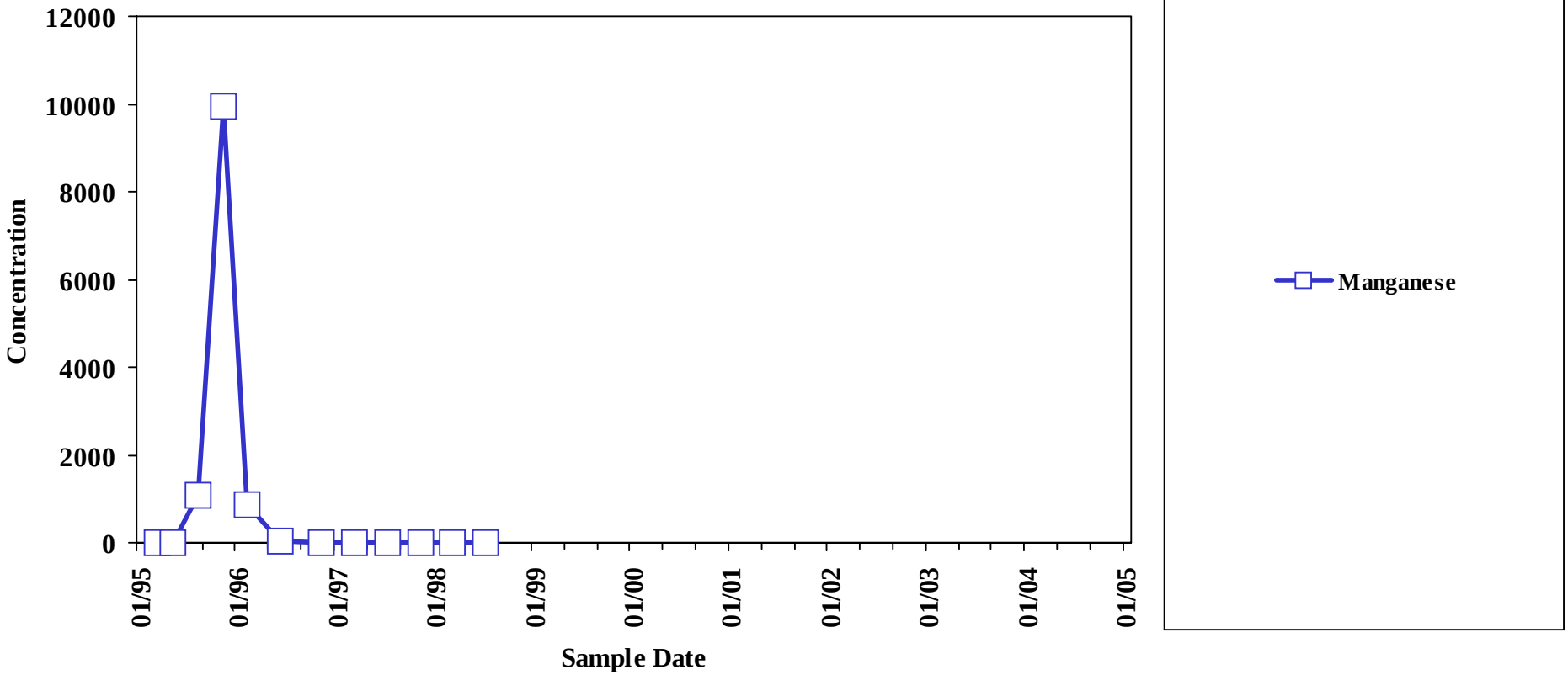
MW-NASB-081

Low-flow Sample

Site 9

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

Manganese	
MEG:	200
MCL:	50

Sample Location:

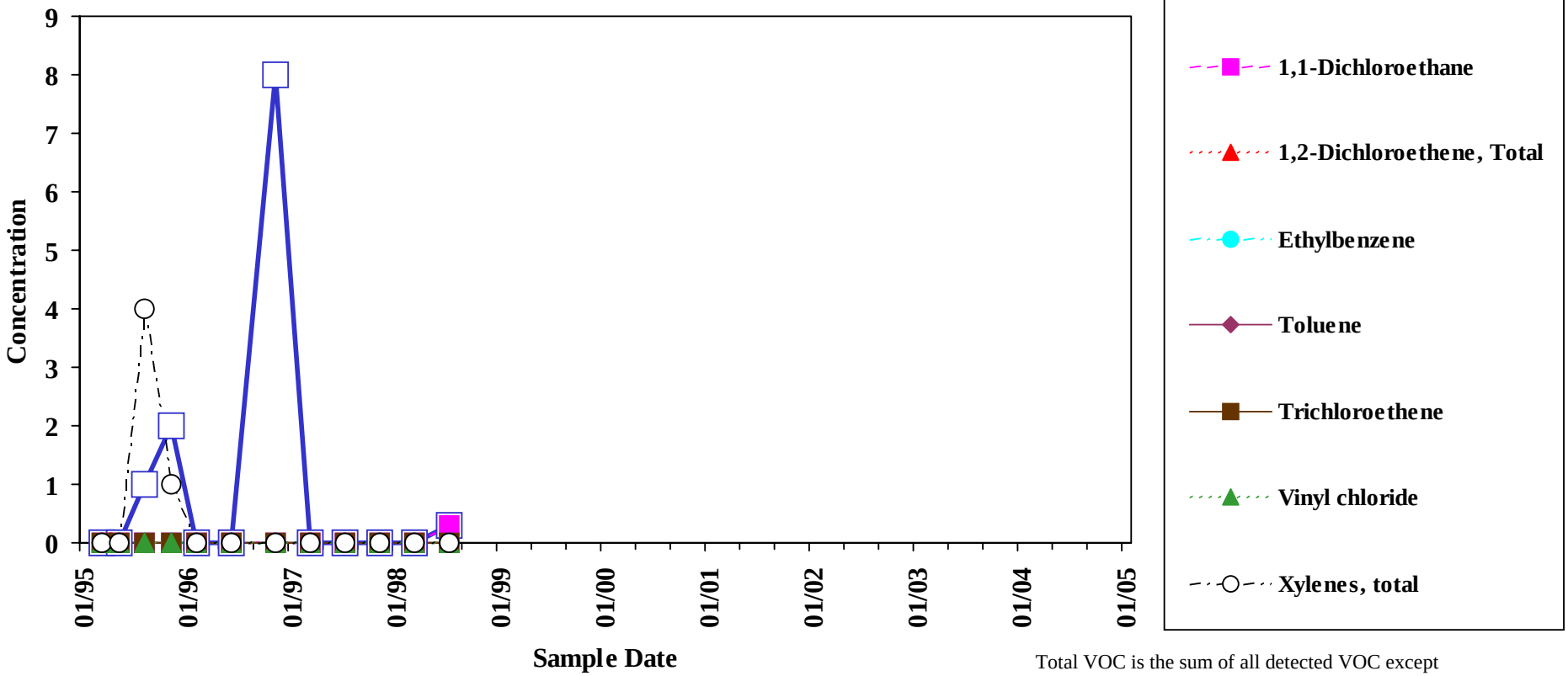
MW-NASB-081

Low-flow Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

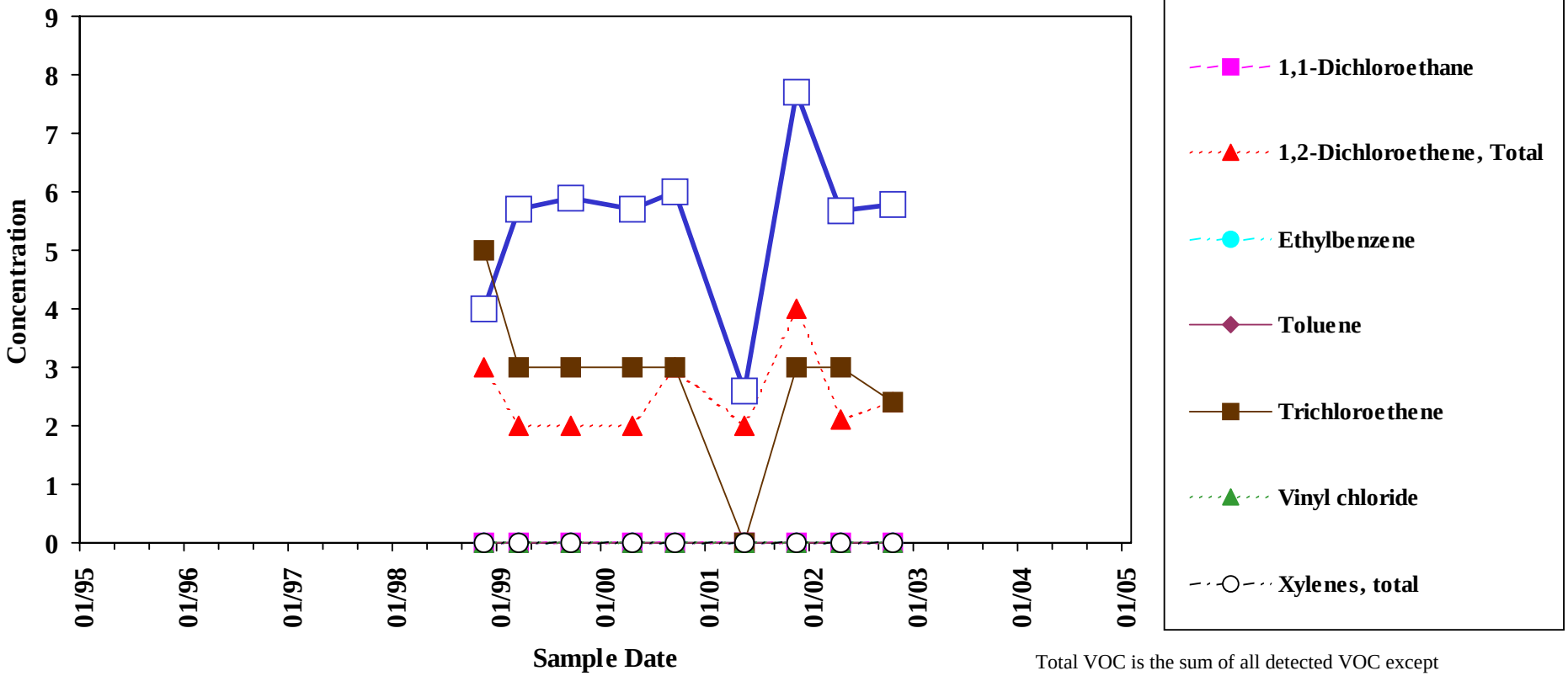
MW-NASB-227

Low-flow Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

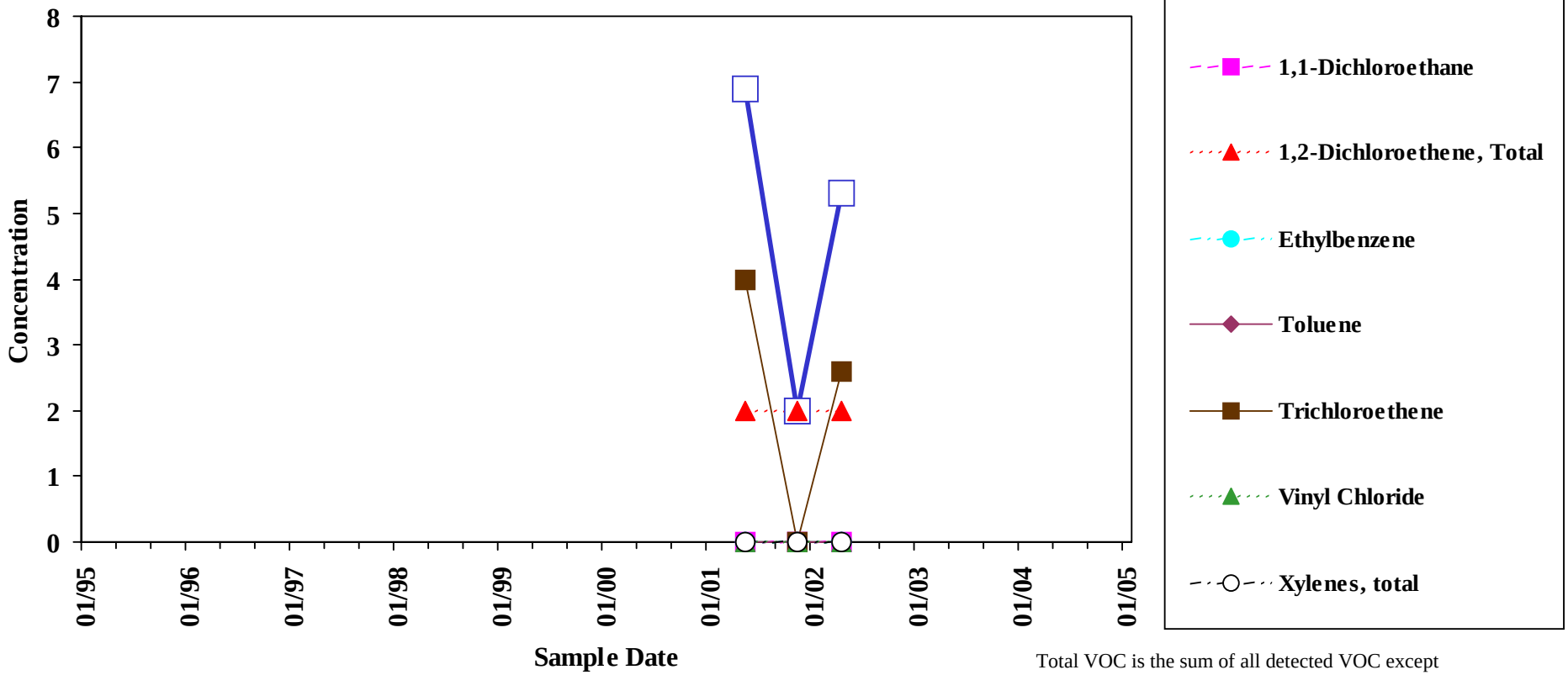
MW-NASB-227

Shallow Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

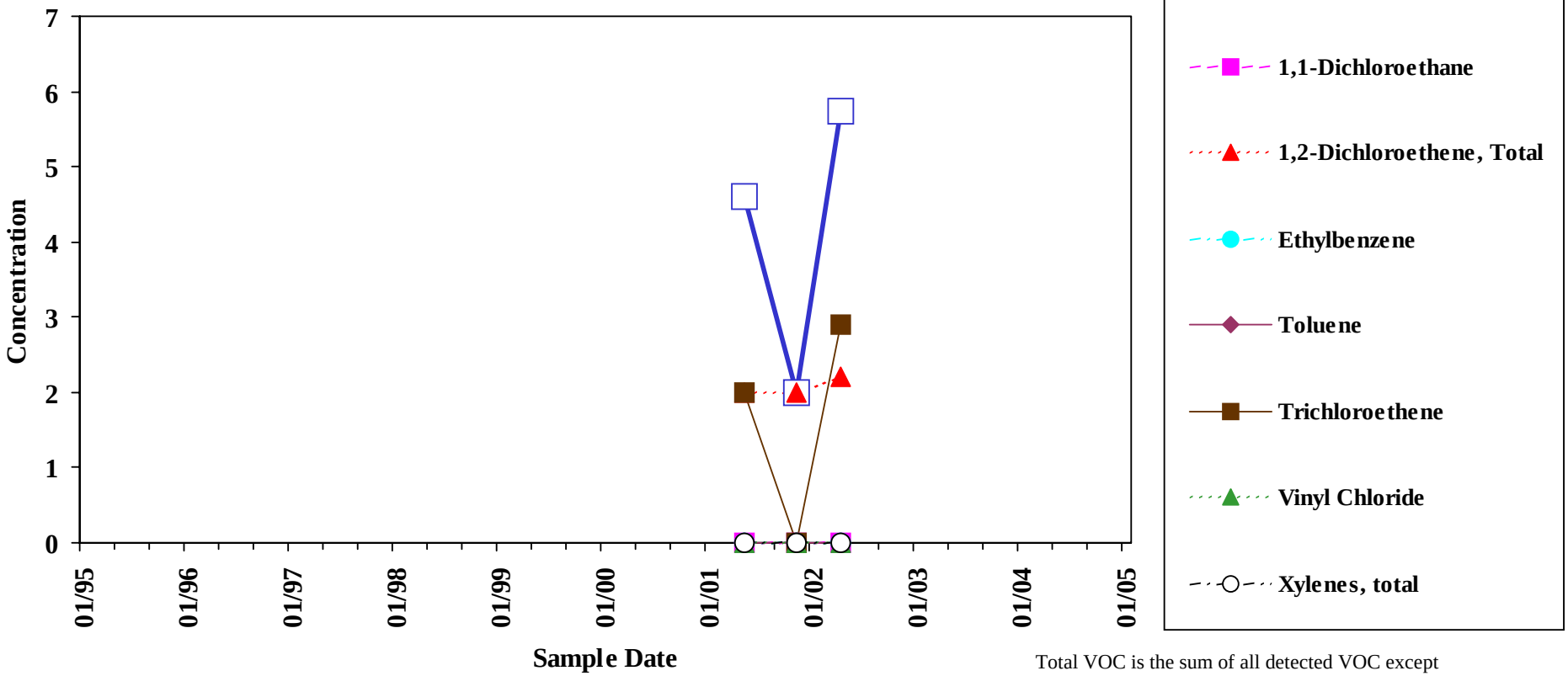
MW-NASB-227

Mid-depth Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

Sample Location:

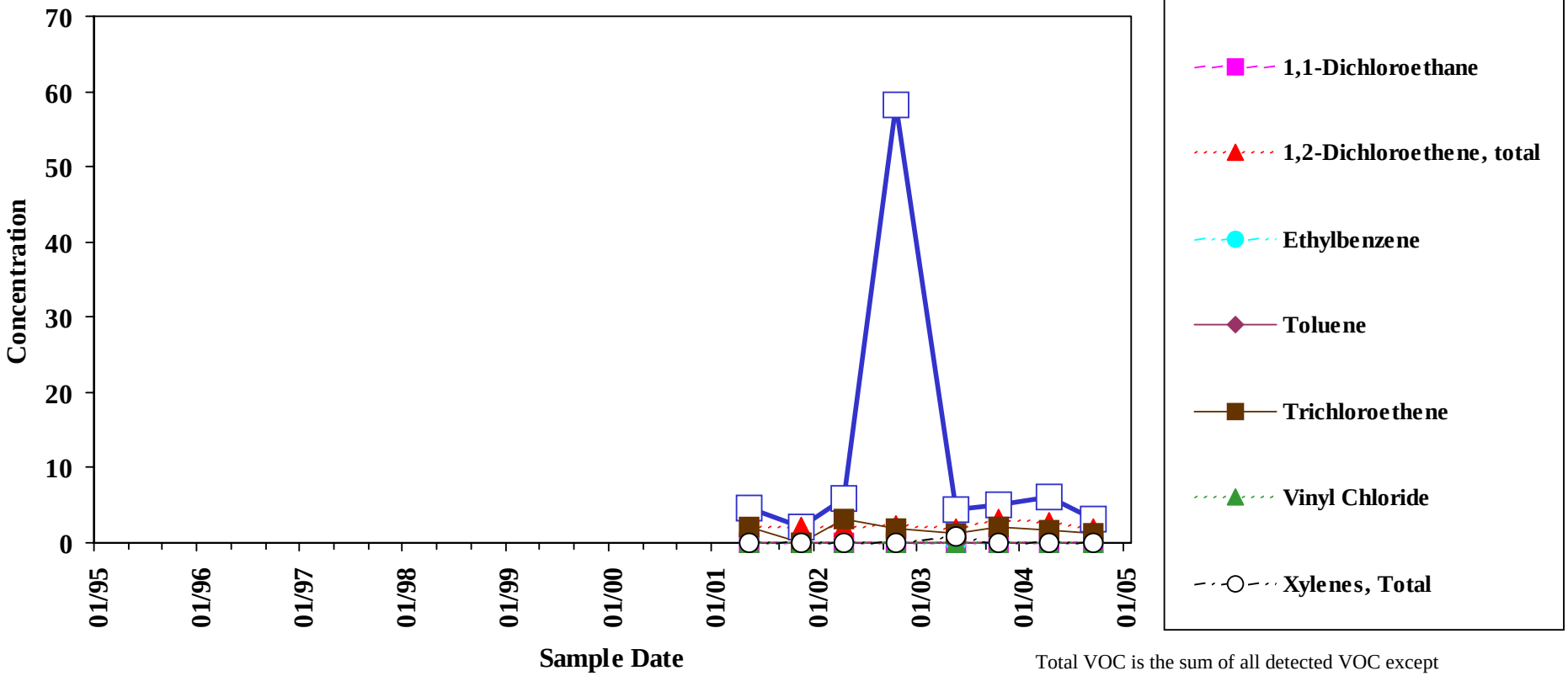
MW-NASB-227

Deep Diffusion Sample

Site 9

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 and Acetone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		Ethylbenzene		Toluene		Vinyl chloride		Xylenes, total	
MEG:	70	MEG:	70	MEG:	700	MEG:	1400	MEG:	0.15	MEG:	600
MCL:	-	MCL:	70	MCL:	700	MCL:	1000	MCL:	2	MCL:	10000

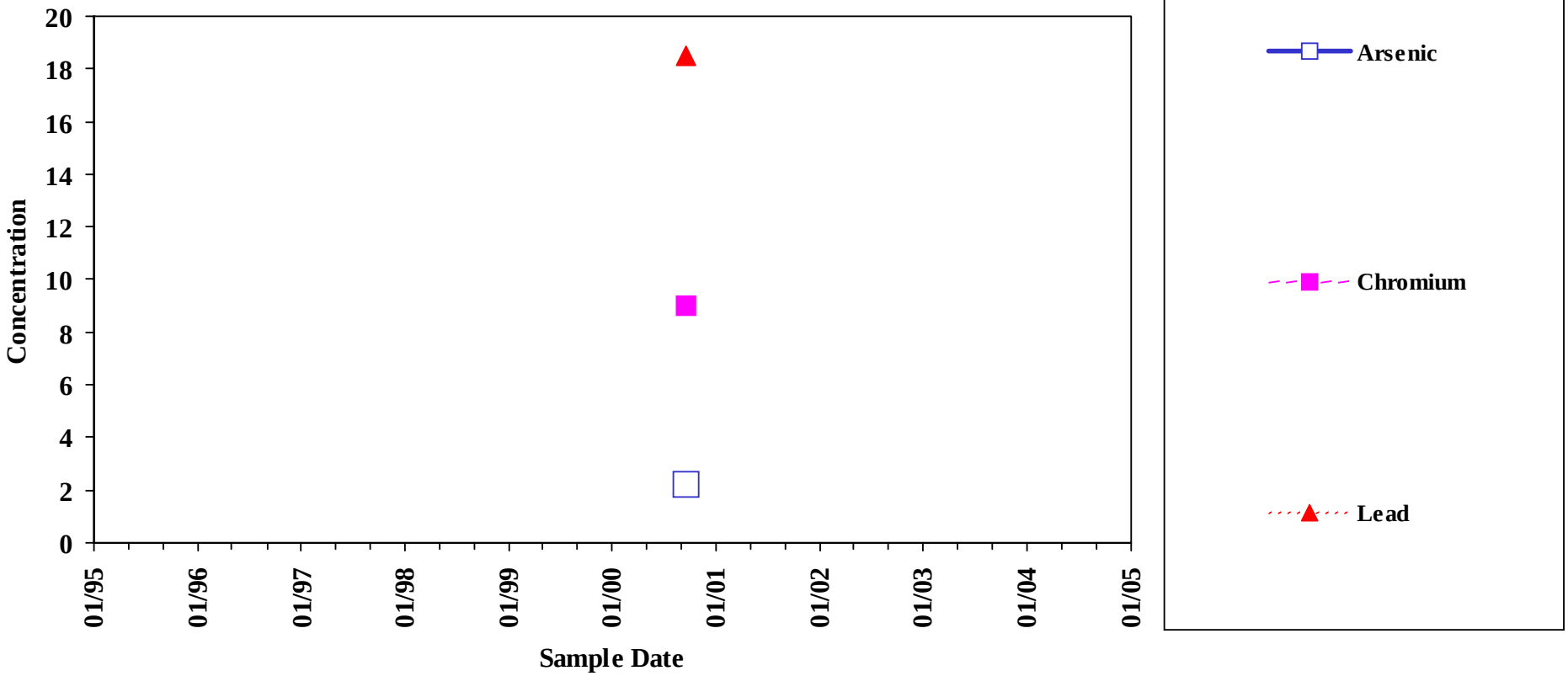
Sample Location:

SED-10

Site 9

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

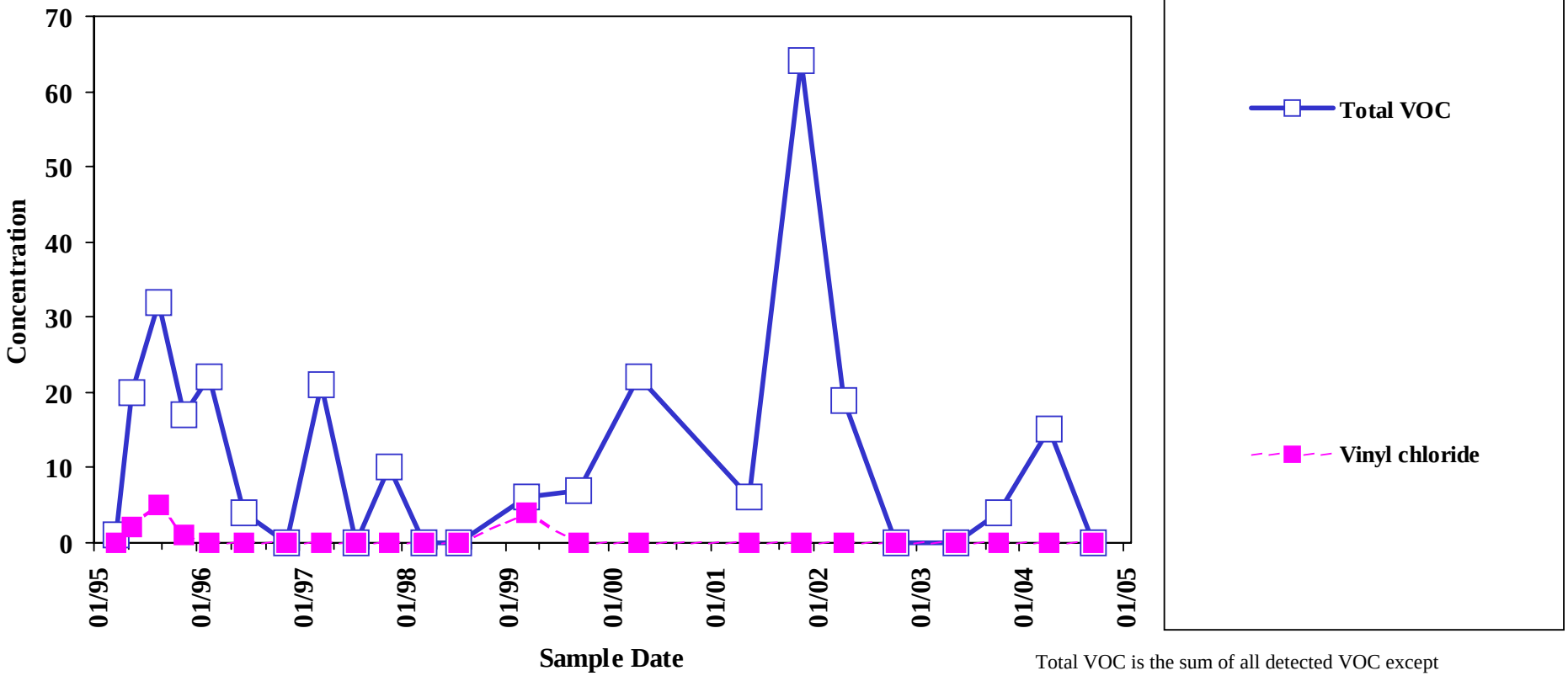
Sample Location:

SED-10

Site 9

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 and Acetone.

Sample concentration units: µg/Kg

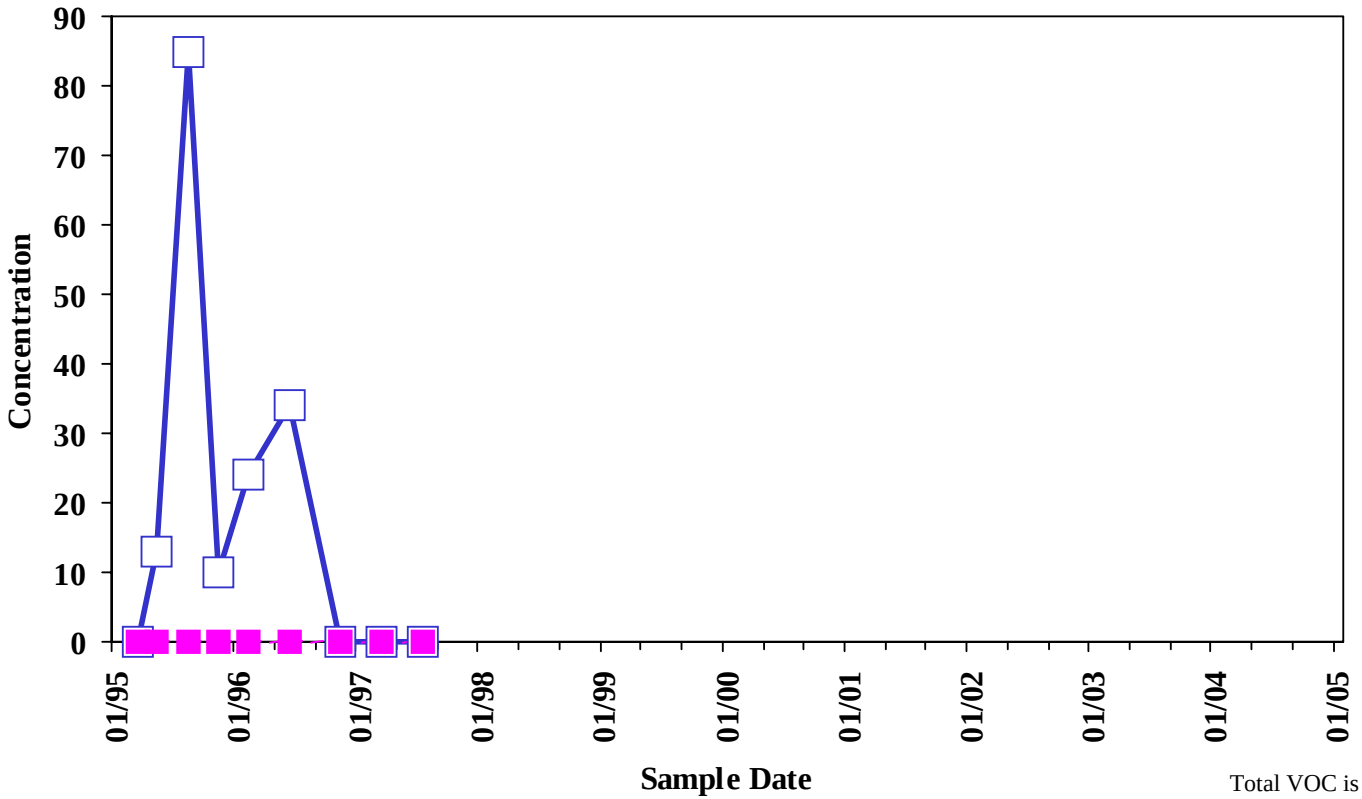
Sample Location:

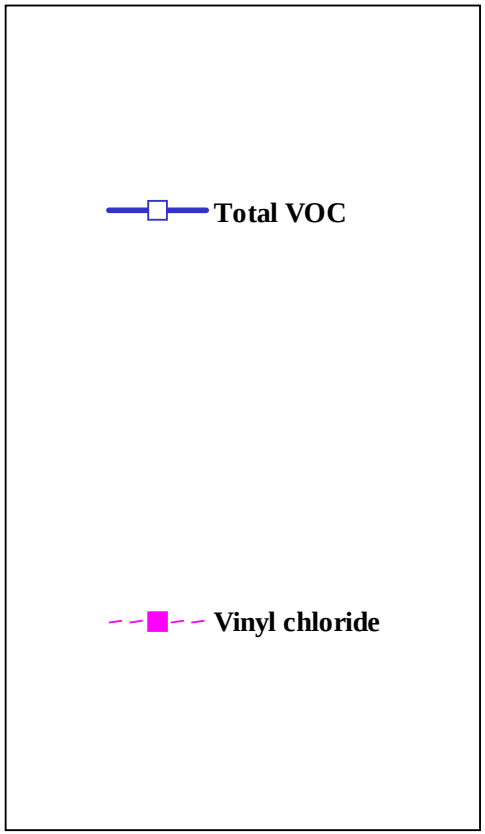
SED-11

Site 9

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 and Acetone.

Sample concentration units: µg/Kg

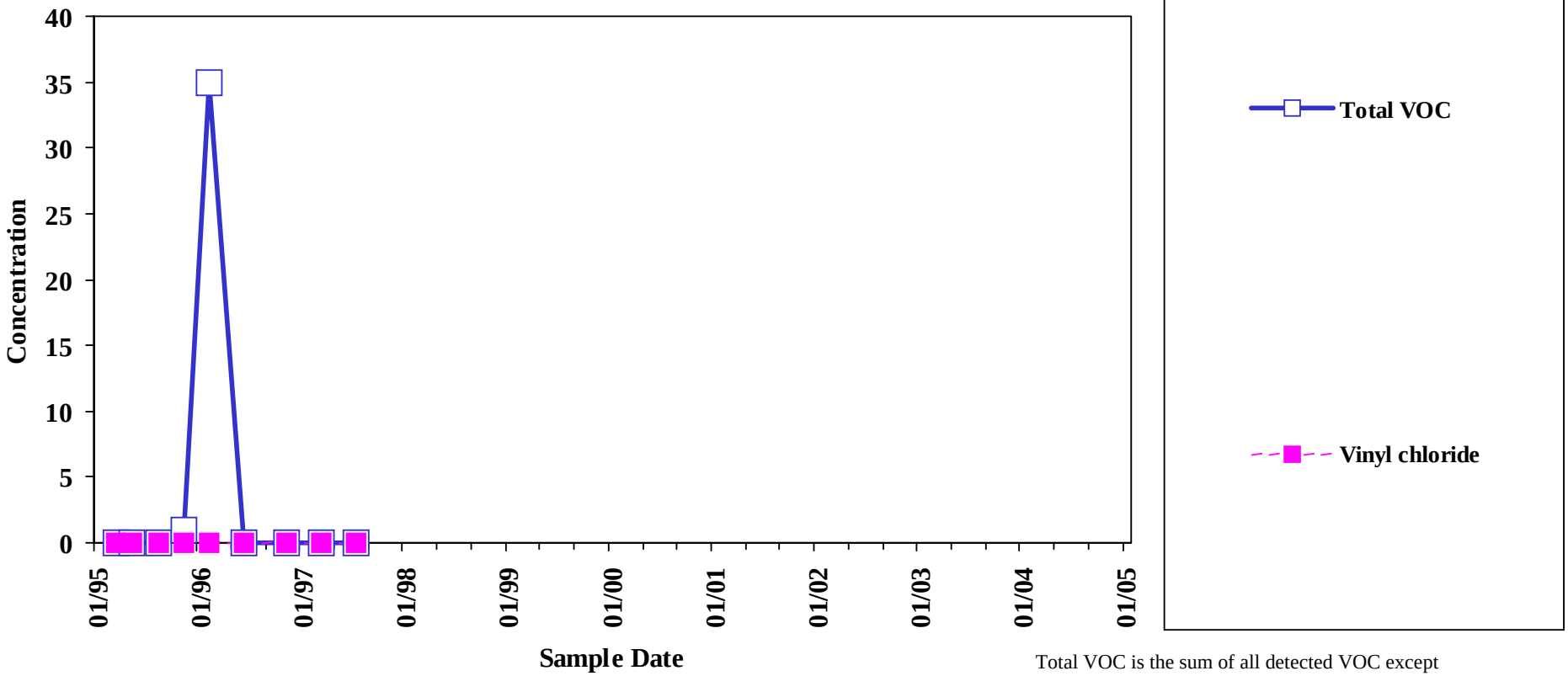
Sample Location:

SED-12

Site 9

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 and Acetone.

Sample concentration units: µg/Kg

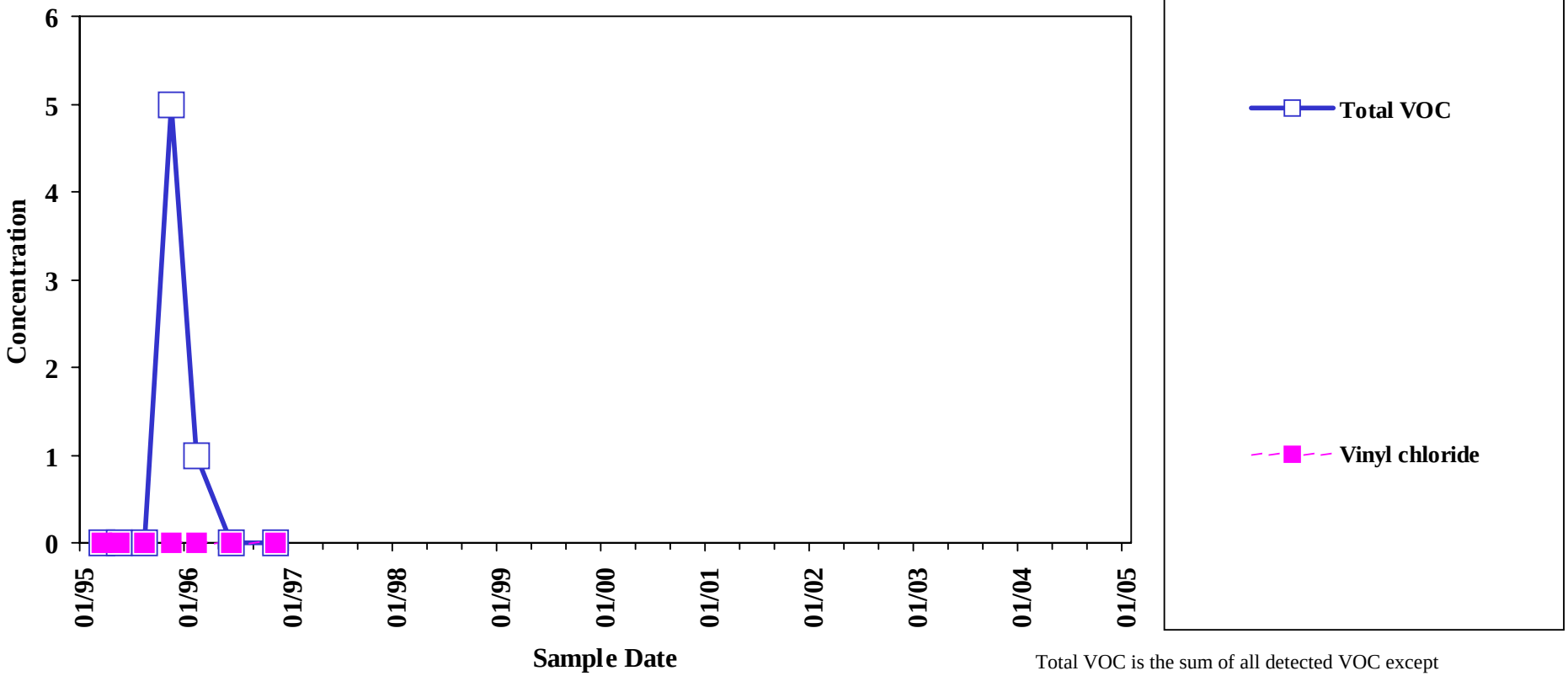
Sample Location:

SED-915

Site 9

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 and Acetone.

Sample concentration units: µg/Kg

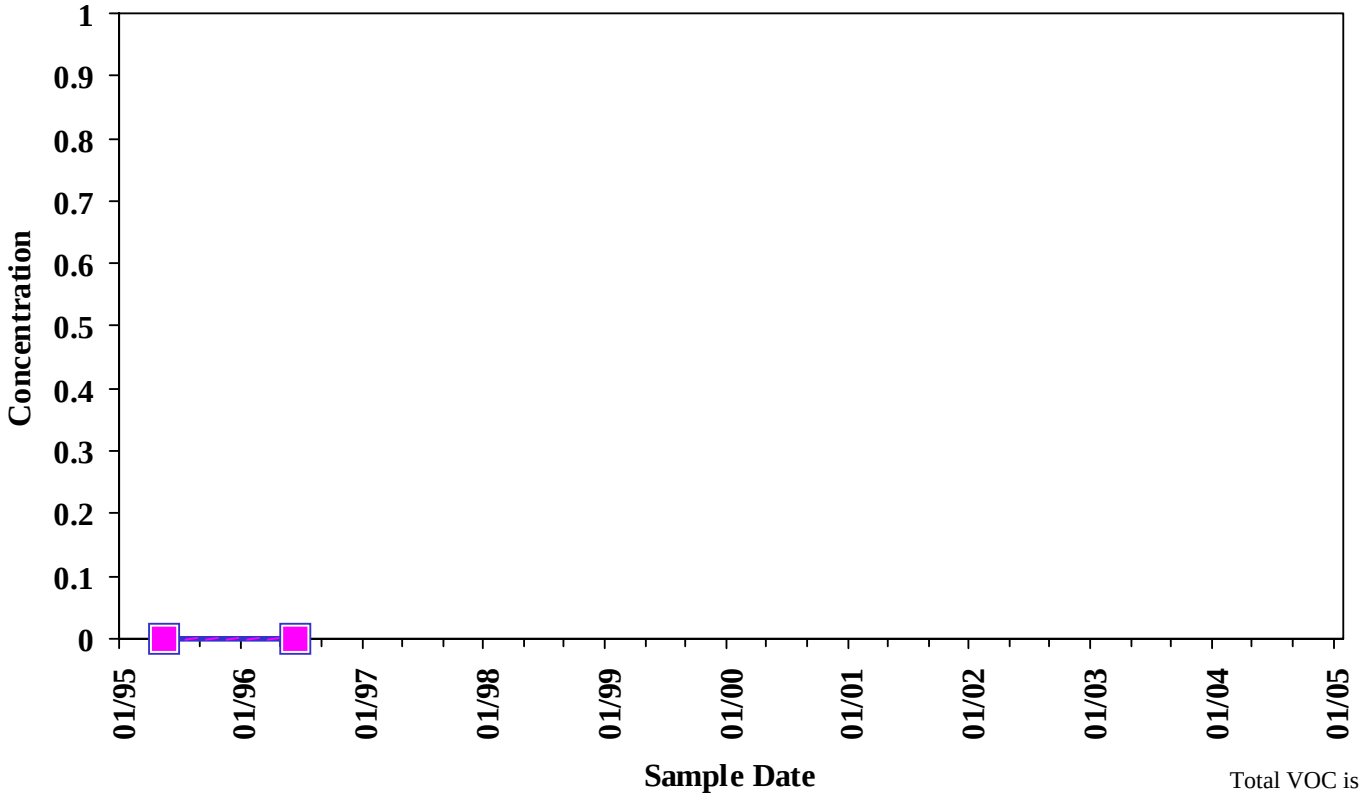
Sample Location:

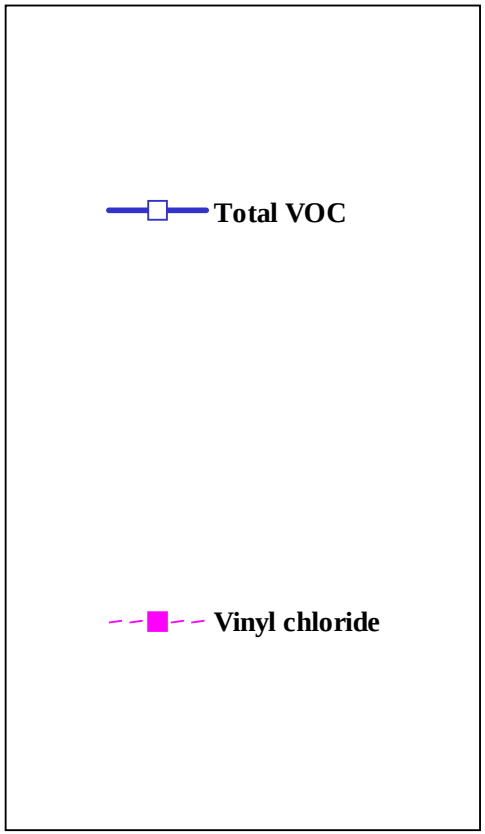
SED-916

Site 9

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 and Acetone.

Sample concentration units: µg/Kg

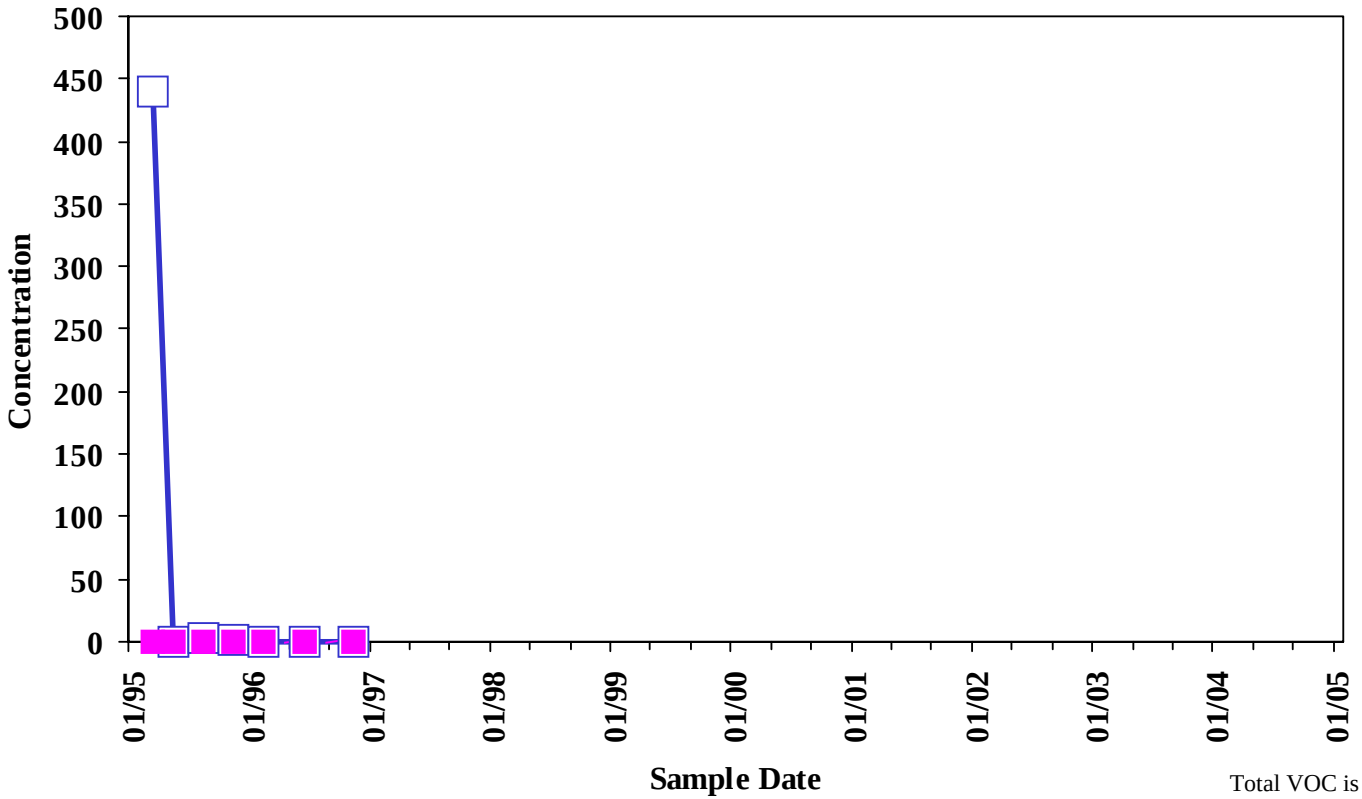
Sample Location:

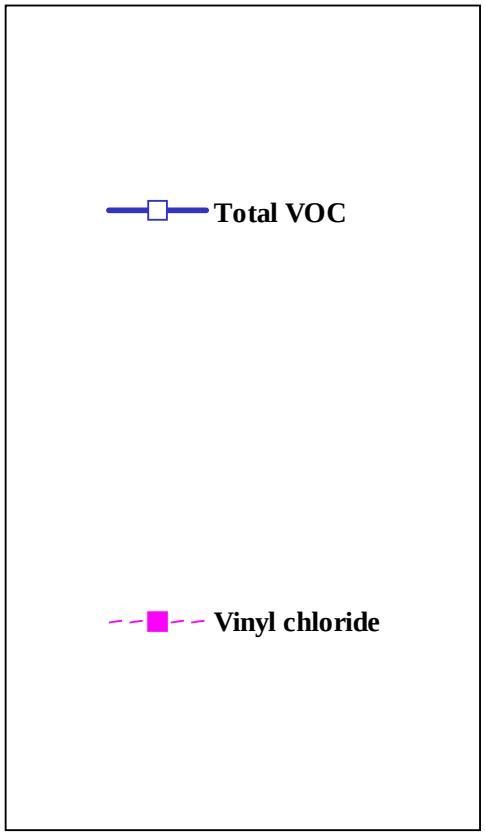
SED-919

Site 9

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 and Acetone.

Sample concentration units: µg/Kg

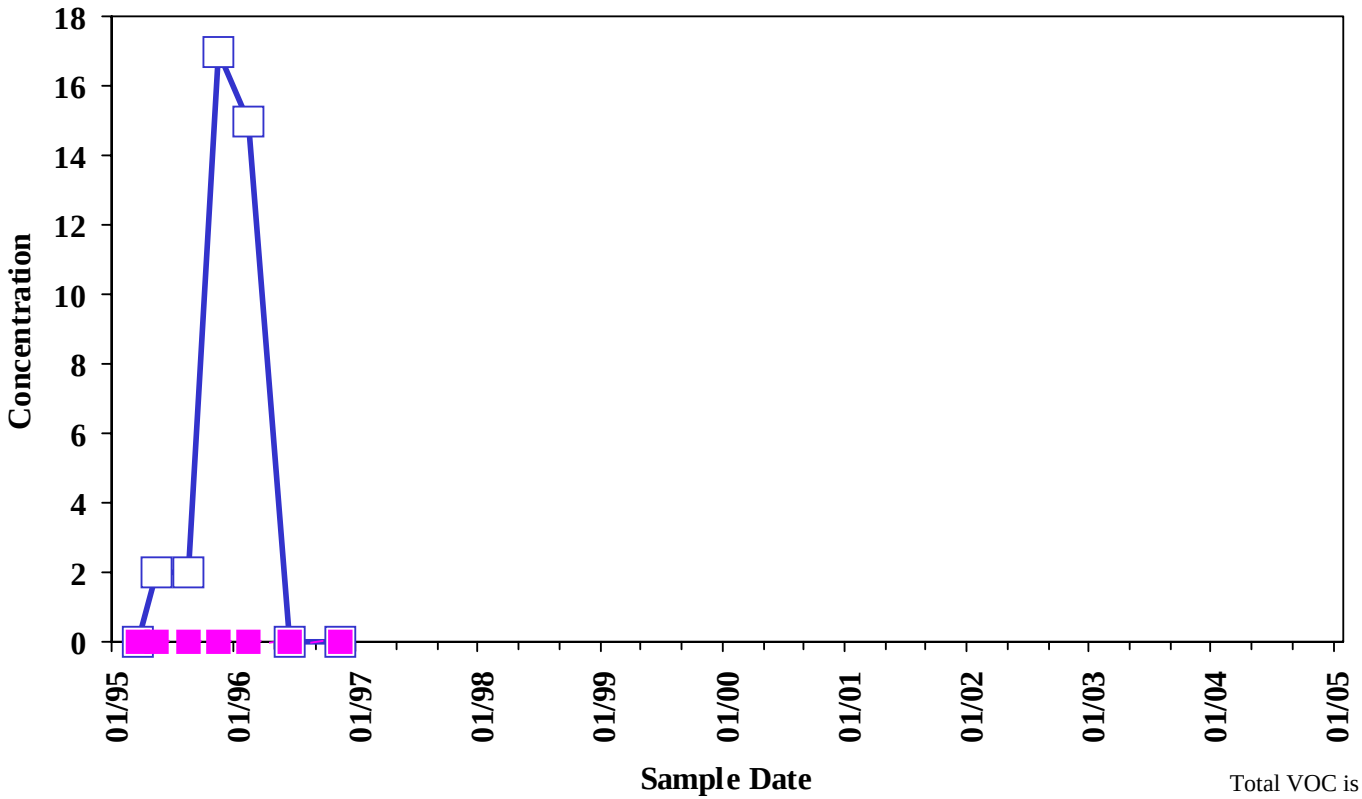
Sample Location:

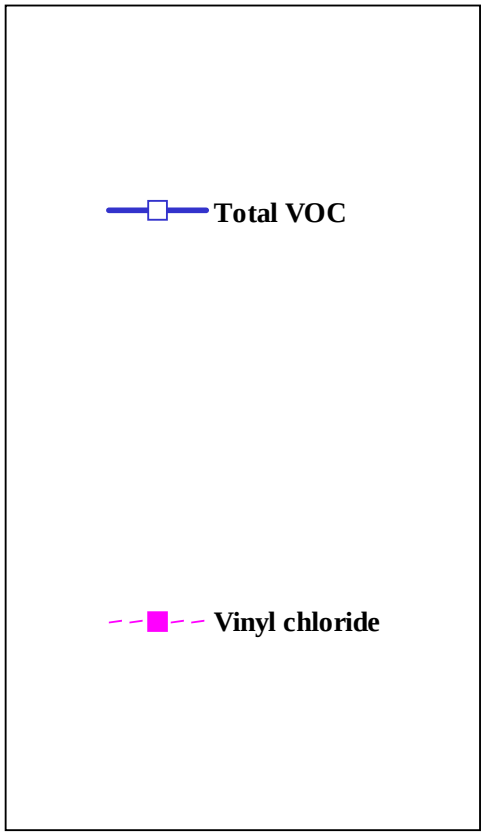
SED-922

Site 9

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 and Acetone.

Sample concentration units: µg/Kg

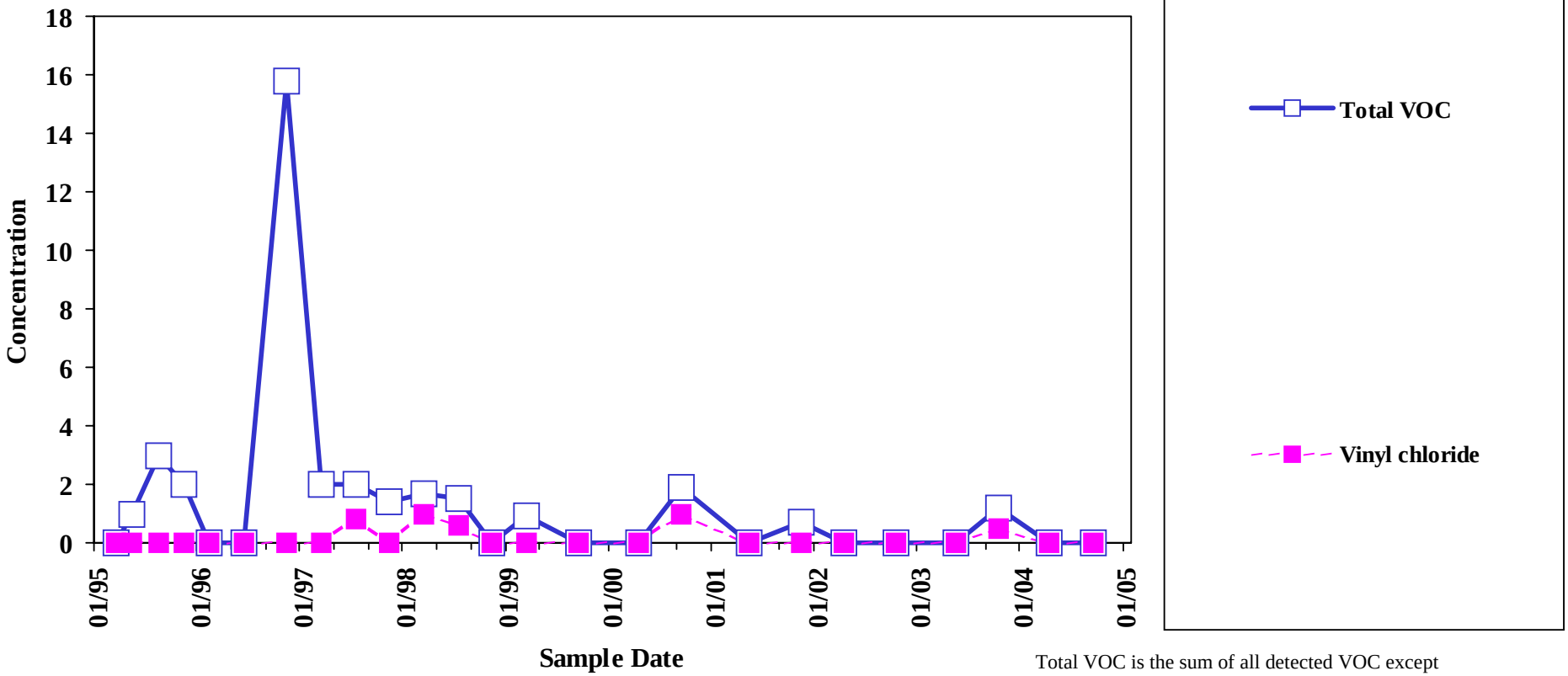
Sample Location:

SW-010

Site 9

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 and Acetone.

Sample concentration units: µg/L

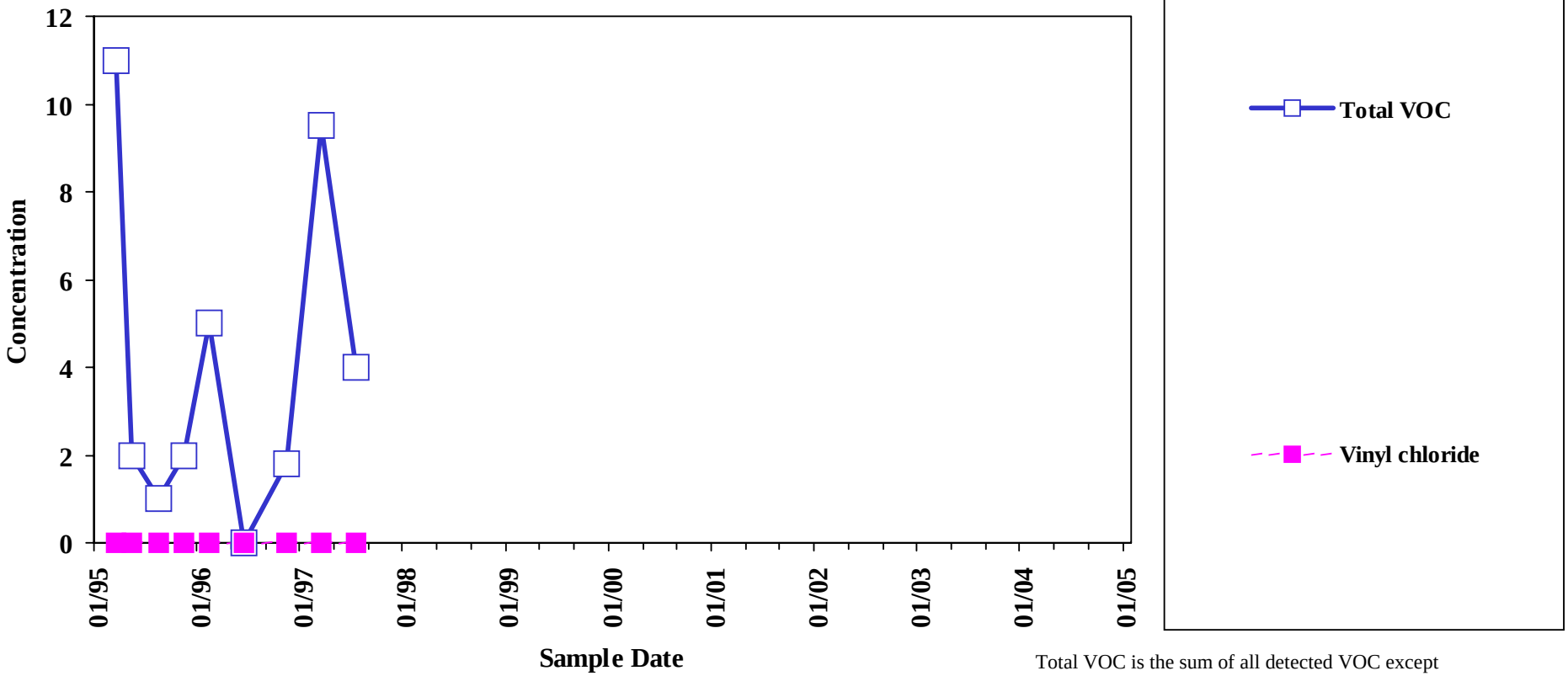
Sample Location:

SW-011

Site 9

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 and Acetone.

Sample concentration units: µg/L

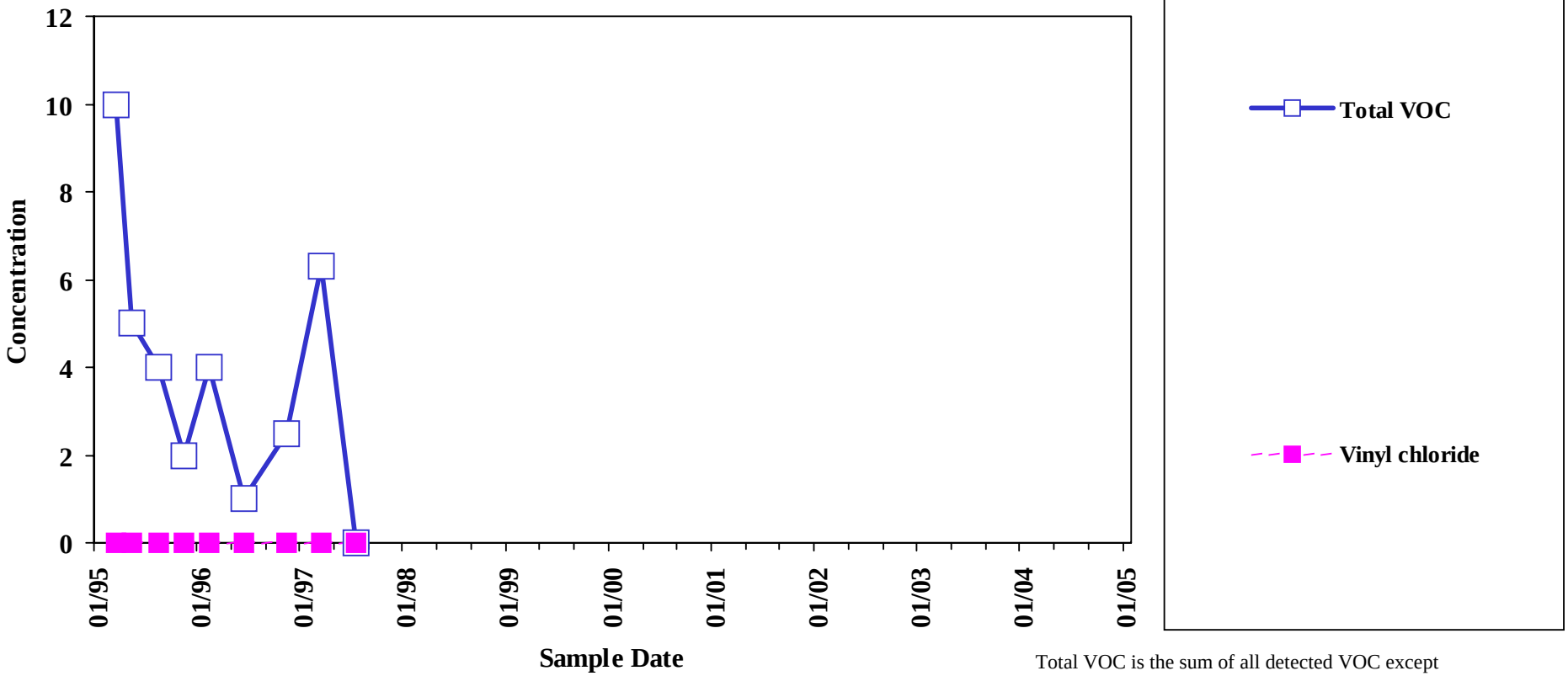
Sample Location:

SW-012

Site 9

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 and Acetone.

Sample concentration units: µg/L

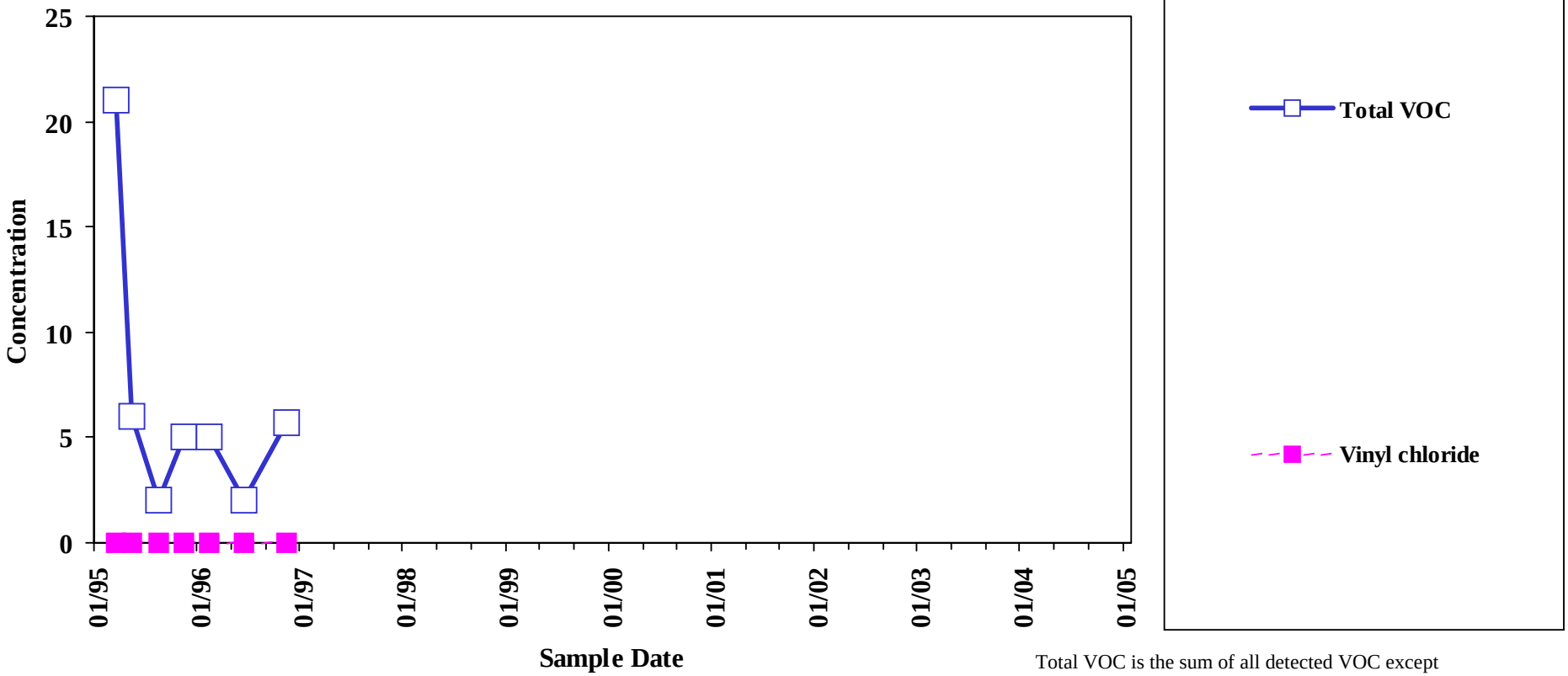
Sample Location:

SW-915

Site 9

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 and Acetone.

Sample concentration units: µg/L

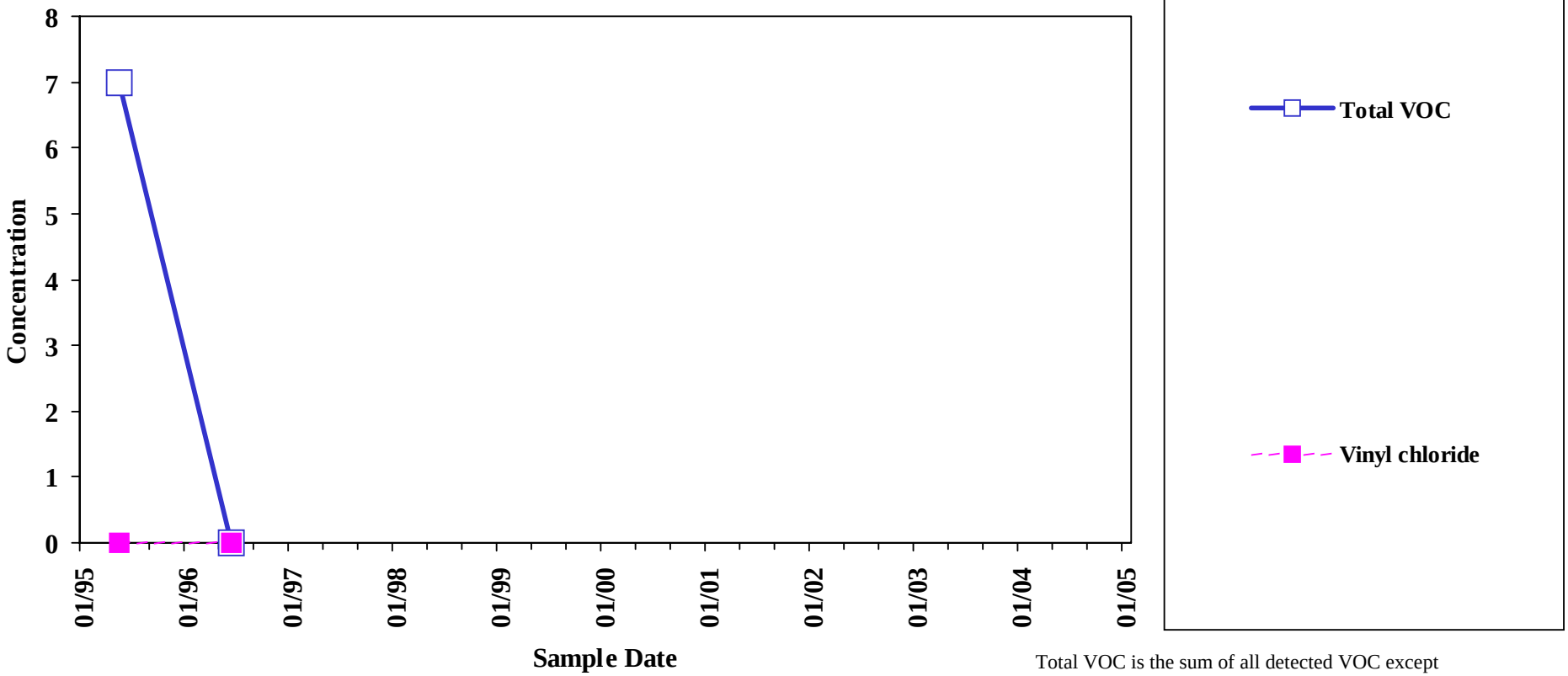
Sample Location:

SW-916

Site 9

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 and Acetone.

Sample concentration units: µg/L

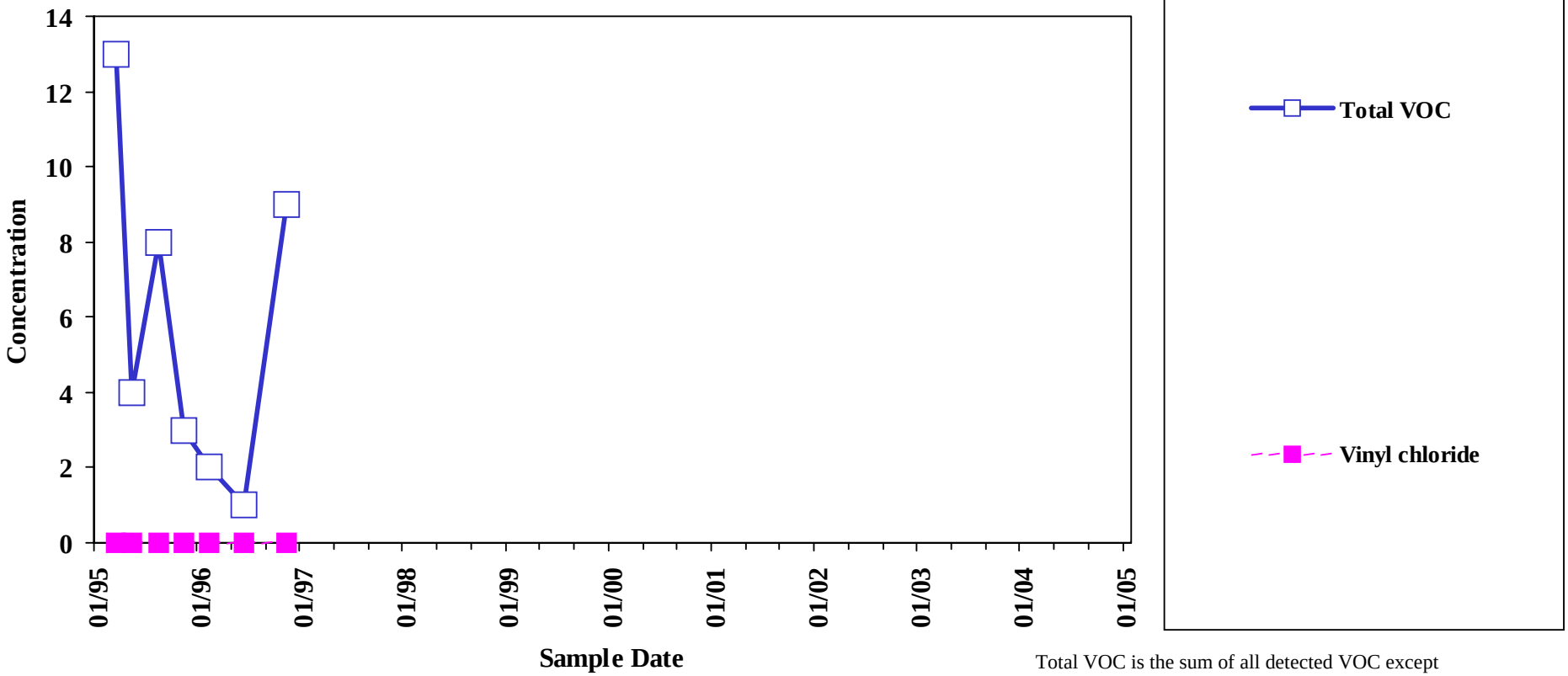
Sample Location:

SW-919

Site 9

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 and Acetone.

Sample concentration units: µg/L

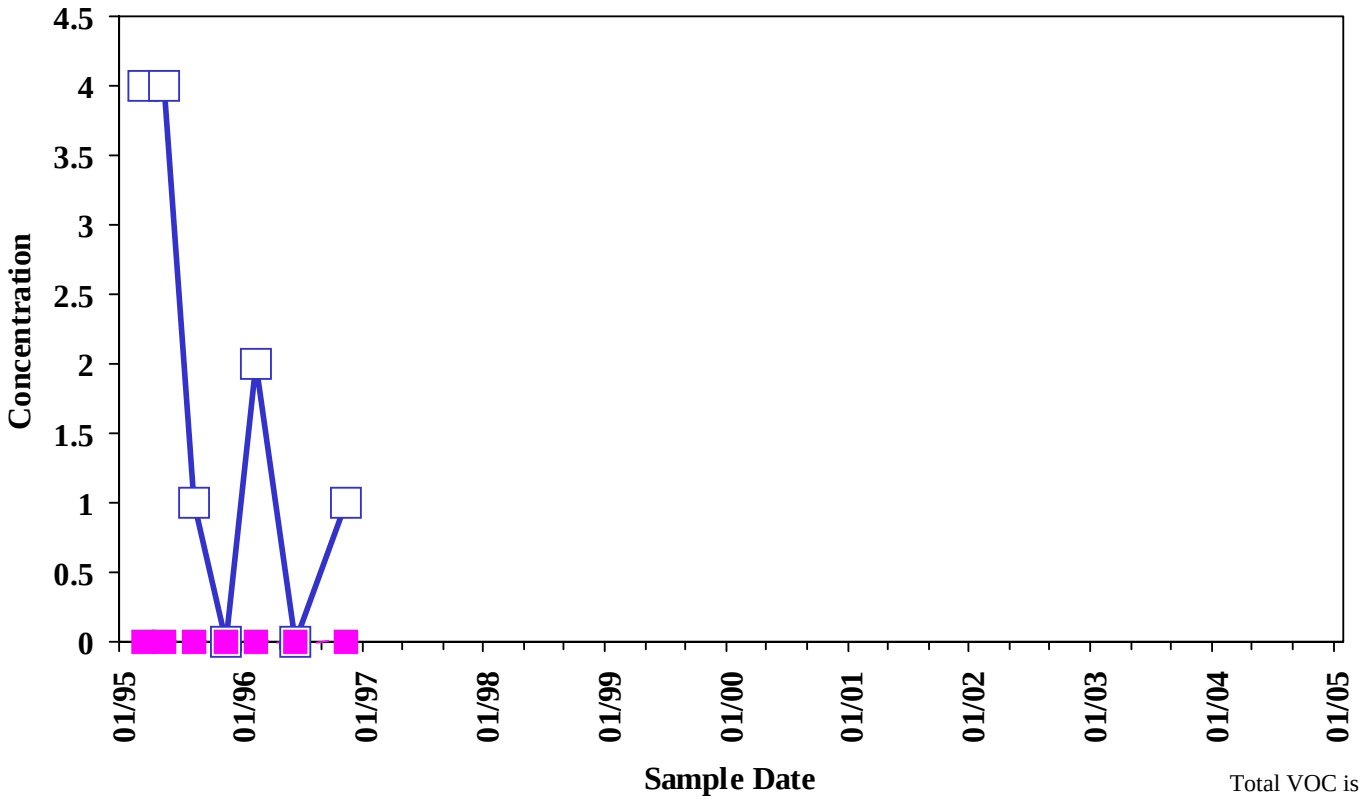
Sample Location:

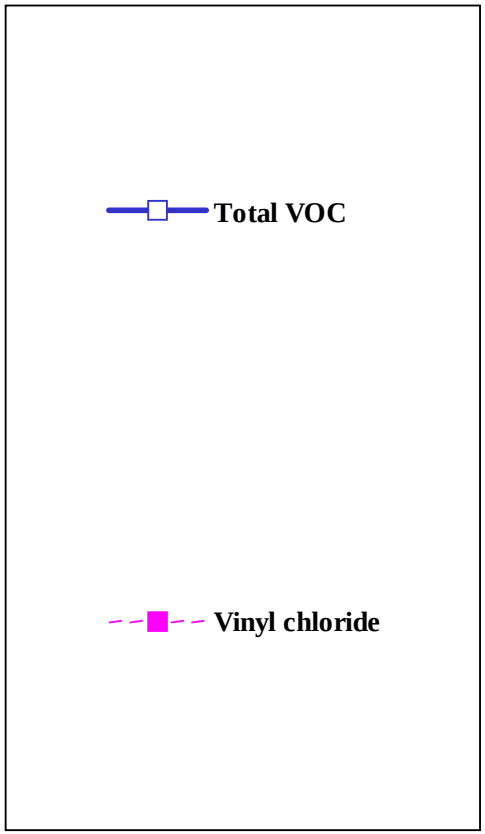
SW-922

Site 9

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 and Acetone.

Sample concentration units: µg/L

APPENDIX D

Analytical Report Form I Data Sheets

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-9-25-MW069		
Lab Sample ID:	M41753-1	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
Method:	SW846 8270C 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	F11332.D	1	09/23/04	PN	09/15/04	OP7698	MSF643
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	10	1.4	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	20	1.8	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	1.8	ug/l	
105-67-9	2,4-Dimethylphenol	ND	20	1.6	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	1.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	3.2	ug/l	
95-48-7	2-Methylphenol	ND	10	1.2	ug/l	
	3&4-Methylphenol	ND	10	4.7	ug/l	
88-75-5	2-Nitrophenol	ND	10	1.6	ug/l	
100-02-7	4-Nitrophenol	ND	50	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	10	2.2	ug/l	
108-95-2	Phenol	ND	10	1.1	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	2.8	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	1.4	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.3	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.97	ug/l	
120-12-7	Anthracene	ND	5.0	0.74	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.67	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.63	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.66	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.1	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	10	1.1	ug/l	
85-68-7	Butyl benzyl phthalate	ND	10	1.5	ug/l	
91-58-7	2-Chloronaphthalene	ND	10	1.5	ug/l	
106-47-8	4-Chloroaniline	ND	10	1.2	ug/l	
86-74-8	Carbazole	ND	10	0.77	ug/l	
218-01-9	Chrysene	ND	5.0	0.69	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	10	0.80	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	10	1.7	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	10	0.77	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	10	1.3	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	2.1	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-9-25-MW069		
Lab Sample ID:	M41753-1	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	10	2.2	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	2.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	0.74	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.84	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.60	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.1	ug/l	
84-74-2	Di-n-butyl phthalate	ND	10	1.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	10	0.69	ug/l	
84-66-2	Diethyl phthalate	ND	10	1.4	ug/l	
131-11-3	Dimethyl phthalate	ND	10	1.6	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	3.5	10	0.72	ug/l	J
206-44-0	Fluoranthene	ND	5.0	0.59	ug/l	
86-73-7	Fluorene	ND	5.0	0.94	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	5.0	ug/l	
67-72-1	Hexachloroethane	ND	10	2.3	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.55	ug/l	
78-59-1	Isophorone	ND	10	0.92	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.3	ug/l	
88-74-4	2-Nitroaniline	ND	10	1.9	ug/l	
99-09-2	3-Nitroaniline	ND	10	0.97	ug/l	
100-01-6	4-Nitroaniline	ND	10	0.84	ug/l	
91-20-3	Naphthalene	ND	5.0	1.2	ug/l	
98-95-3	Nitrobenzene	ND	10	0.67	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	10	0.88	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	10	0.76	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.88	ug/l	
129-00-0	Pyrene	ND	5.0	0.62	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%		10-110%
4165-62-2	Phenol-d5	32%		10-110%
118-79-6	2,4,6-Tribromophenol	82%		15-127%
4165-60-0	Nitrobenzene-d5	84%		30-118%
321-60-8	2-Fluorobiphenyl	84%		37-110%
1718-51-0	Terphenyl-d14	108%		30-124%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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-9-25-MW069		
Lab Sample ID:	M41753-1	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
		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	207	200	8.1	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Antimony	1.7 U	6.0	1.7	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Arsenic	2.2 U	5.0	2.2	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Barium	7.0 B	200	0.64	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Beryllium	0.12 U	4.0	0.12	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cadmium	0.30 U	4.0	0.30	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Calcium	6020	5000	2.3	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Chromium	0.98 B	10	0.26	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cobalt	0.81 U	50	0.81	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Copper	2.8 B	25	0.47	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Iron	458	100	9.7	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Lead	1.5 U	3.0	1.5	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Magnesium	2700 B	5000	4.8	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Manganese	366	15	0.15	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Mercury	0.070 U	0.20	0.070	ug/l	1	09/22/04	09/22/04	MA	SW846 7470A [1]	SW846 7470A [4]
Nickel	1.5 B	40	0.61	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Potassium	1050 B	5000	31	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Selenium	1.4 B	5.0	1.2	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Silver	0.41 B	5.0	0.31	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Sodium	55700	5000	150	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Thallium	3.0 U	10	3.0	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Vanadium	4.9 B	50	1.4	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Zinc	4.0 B	20	0.75	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA5094
(2) Instrument QC Batch: MA5097
(3) Prep QC Batch: MP6077
(4) Prep QC Batch: MP6082

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-9-25-MW069S		
Lab Sample ID:	M41753-2	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	G42259.D	1	09/21/04	PB	n/a	n/a	MSG1689
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	18.0	5.0	4.3	ug/l	
71-43-2	Benzene	ND	0.50	0.36	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.98	ug/l	
75-25-2	Bromoform	ND	2.0	0.45	ug/l	
74-83-9	Bromomethane	ND	2.0	0.65	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.43	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.38	ug/l	
75-00-3	Chloroethane	ND	5.0	0.96	ug/l	
67-66-3	Chloroform	ND	2.0	0.66	ug/l	
74-87-3	Chloromethane	ND	5.0	0.55	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.36	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.41	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.73	ug/l	
540-59-0	1,2-Dichloroethene (total)	22.6	2.0		ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.83	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.42	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	1.3	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.77	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.4	ug/l	
100-42-5	Styrene	ND	5.0	0.38	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.38	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.61	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.49	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-9-25-MW069S		
Lab Sample ID:	M41753-2	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	40.5	2.0	0.49	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	102%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	99%		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-9-25-MW069D		
Lab Sample ID:	M41753-3	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	G42260.D	1	09/21/04	PB	n/a	n/a	MSG1689
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	18.0	5.0	4.3	ug/l	
71-43-2	Benzene	ND	0.50	0.36	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.98	ug/l	
75-25-2	Bromoform	ND	2.0	0.45	ug/l	
74-83-9	Bromomethane	ND	2.0	0.65	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.43	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.38	ug/l	
75-00-3	Chloroethane	ND	5.0	0.96	ug/l	
67-66-3	Chloroform	ND	2.0	0.66	ug/l	
74-87-3	Chloromethane	ND	5.0	0.55	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.36	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.41	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.73	ug/l	
540-59-0	1,2-Dichloroethene (total)	32.6	2.0		ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.83	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.42	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	1.3	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.77	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.4	ug/l	
100-42-5	Styrene	ND	5.0	0.38	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.38	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.61	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.49	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-9-25-MW069D		
Lab Sample ID:	M41753-3	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	71.4	2.0	0.49	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	101%		83-122%
2037-26-5	Toluene-D8	96%		87-111%
460-00-4	4-Bromofluorobenzene	97%		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-9-25-MW-XD2		
Lab Sample ID:	M41753-4	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	G42261.D	1	09/21/04	PB	n/a	n/a	MSG1689
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	16.1	5.0	4.3	ug/l	
71-43-2	Benzene	ND	0.50	0.36	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.98	ug/l	
75-25-2	Bromoform	ND	2.0	0.45	ug/l	
74-83-9	Bromomethane	ND	2.0	0.65	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.43	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.38	ug/l	
75-00-3	Chloroethane	ND	5.0	0.96	ug/l	
67-66-3	Chloroform	ND	2.0	0.66	ug/l	
74-87-3	Chloromethane	ND	5.0	0.55	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.36	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.41	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.73	ug/l	
540-59-0	1,2-Dichloroethene (total)	23.3	2.0		ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.83	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.42	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	1.3	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.77	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.4	ug/l	
100-42-5	Styrene	ND	5.0	0.38	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.38	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.61	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.49	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-9-25-MW-XD2		
Lab Sample ID:	M41753-4	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	42.8	2.0	0.49	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	102%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	95%		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-9-25-MW-XD2		
Lab Sample ID:	M41753-4	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
Method:	SW846 8270C 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	F11333.D	1	09/23/04	PN	09/15/04	OP7698	MSF643
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	11	1.6	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	22	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	22	1.8	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	1.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	3.5	ug/l	
95-48-7	2-Methylphenol	ND	11	1.3	ug/l	
	3&4-Methylphenol	ND	11	5.2	ug/l	
88-75-5	2-Nitrophenol	ND	11	1.8	ug/l	
100-02-7	4-Nitrophenol	ND	56	1.4	ug/l	
87-86-5	Pentachlorophenol	ND	11	2.5	ug/l	
108-95-2	Phenol	ND	11	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	11	3.1	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	1.5	ug/l	
83-32-9	Acenaphthene	ND	5.6	1.4	ug/l	
208-96-8	Acenaphthylene	ND	5.6	1.1	ug/l	
120-12-7	Anthracene	ND	5.6	0.83	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.6	0.74	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.6	0.70	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.6	0.73	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.6	1.2	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	11	1.3	ug/l	
85-68-7	Butyl benzyl phthalate	ND	11	1.6	ug/l	
91-58-7	2-Chloronaphthalene	ND	11	1.7	ug/l	
106-47-8	4-Chloroaniline	ND	11	1.4	ug/l	
86-74-8	Carbazole	ND	11	0.86	ug/l	
218-01-9	Chrysene	ND	5.6	0.77	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	11	0.89	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	11	1.9	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	11	0.85	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	11	1.4	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	11	2.3	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-9-25-MW-XD2		
Lab Sample ID:	M41753-4	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	11	2.4	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	11	2.3	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	2.2	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.82	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.6	0.93	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.6	0.67	ug/l	
132-64-9	Dibenzofuran	ND	5.6	1.2	ug/l	
84-74-2	Di-n-butyl phthalate	ND	11	1.1	ug/l	
117-84-0	Di-n-octyl phthalate	ND	11	0.77	ug/l	
84-66-2	Diethyl phthalate	ND	11	1.5	ug/l	
131-11-3	Dimethyl phthalate	ND	11	1.8	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	3.8	11	0.80	ug/l	J
206-44-0	Fluoranthene	ND	5.6	0.66	ug/l	
86-73-7	Fluorene	ND	5.6	1.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	5.6	ug/l	
67-72-1	Hexachloroethane	ND	11	2.6	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.6	0.61	ug/l	
78-59-1	Isophorone	ND	11	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.6	1.5	ug/l	
88-74-4	2-Nitroaniline	ND	11	2.1	ug/l	
99-09-2	3-Nitroaniline	ND	11	1.1	ug/l	
100-01-6	4-Nitroaniline	ND	11	0.93	ug/l	
91-20-3	Naphthalene	ND	5.6	1.3	ug/l	
98-95-3	Nitrobenzene	ND	11	0.74	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	11	0.97	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	11	0.84	ug/l	
85-01-8	Phenanthrene	ND	5.6	0.98	ug/l	
129-00-0	Pyrene	ND	5.6	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	11	2.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%		10-110%
4165-62-2	Phenol-d5	36%		10-110%
118-79-6	2,4,6-Tribromophenol	79%		15-127%
4165-60-0	Nitrobenzene-d5	82%		30-118%
321-60-8	2-Fluorobiphenyl	84%		37-110%
1718-51-0	Terphenyl-d14	102%		30-124%

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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-9-25-MW-XD2		
Lab Sample ID:	M41753-4	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
		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	179 B	200	8.1	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Antimony	1.7 U	6.0	1.7	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Arsenic	2.2 U	5.0	2.2	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Barium	7.2 B	200	0.64	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Beryllium	0.12 U	4.0	0.12	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cadmium	0.30 U	4.0	0.30	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Calcium	5890	5000	2.3	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Chromium	0.35 B	10	0.26	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cobalt	0.81 U	50	0.81	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Copper	2.1 B	25	0.47	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Iron	376	100	9.7	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Lead	1.5 U	3.0	1.5	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Magnesium	2610 B	5000	4.8	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Manganese	363	15	0.15	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Mercury	0.070 U	0.20	0.070	ug/l	1	09/22/04	09/22/04	MA	SW846 7470A [1]	SW846 7470A [4]
Nickel	1.0 B	40	0.61	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Potassium	1010 B	5000	31	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Selenium	1.2 U	5.0	1.2	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Silver	0.31 U	5.0	0.31	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Sodium	55200	5000	150	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Thallium	3.0 U	10	3.0	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Vanadium	4.6 B	50	1.4	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Zinc	59.4	20	0.75	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA5094
(2) Instrument QC Batch: MA5097
(3) Prep QC Batch: MP6077
(4) Prep QC Batch: MP6082

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-9-25-MW070		
Lab Sample ID:	M41753-5	**Date Sampled:**	09/09/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
Method:	SW846 8270C 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	F11334.D	1	09/23/04	PN	09/15/04	OP7698	MSF643
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	10	1.4	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	20	1.8	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	1.8	ug/l	
105-67-9	2,4-Dimethylphenol	ND	20	1.6	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	1.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	3.2	ug/l	
95-48-7	2-Methylphenol	ND	10	1.2	ug/l	
	3&4-Methylphenol	ND	10	4.7	ug/l	
88-75-5	2-Nitrophenol	ND	10	1.6	ug/l	
100-02-7	4-Nitrophenol	ND	50	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	10	2.2	ug/l	
108-95-2	Phenol	ND	10	1.1	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	2.8	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	1.4	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.3	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.97	ug/l	
120-12-7	Anthracene	ND	5.0	0.74	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.67	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.63	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.66	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.1	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	10	1.1	ug/l	
85-68-7	Butyl benzyl phthalate	ND	10	1.5	ug/l	
91-58-7	2-Chloronaphthalene	ND	10	1.5	ug/l	
106-47-8	4-Chloroaniline	ND	10	1.2	ug/l	
86-74-8	Carbazole	ND	10	0.77	ug/l	
218-01-9	Chrysene	ND	5.0	0.69	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	10	0.80	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	10	1.7	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	10	0.77	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	10	1.3	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	2.1	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-9-25-MW070		
Lab Sample ID:	M41753-5	**Date Sampled:**	09/09/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	10	2.2	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	2.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	0.74	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.84	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.60	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.1	ug/l	
84-74-2	Di-n-butyl phthalate	ND	10	1.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	10	0.69	ug/l	
84-66-2	Diethyl phthalate	ND	10	1.4	ug/l	
131-11-3	Dimethyl phthalate	ND	10	1.6	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	3.4	10	0.72	ug/l	J
206-44-0	Fluoranthene	ND	5.0	0.59	ug/l	
86-73-7	Fluorene	ND	5.0	0.94	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	5.0	ug/l	
67-72-1	Hexachloroethane	ND	10	2.3	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.55	ug/l	
78-59-1	Isophorone	ND	10	0.92	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.3	ug/l	
88-74-4	2-Nitroaniline	ND	10	1.9	ug/l	
99-09-2	3-Nitroaniline	ND	10	0.97	ug/l	
100-01-6	4-Nitroaniline	ND	10	0.84	ug/l	
91-20-3	Naphthalene	ND	5.0	1.2	ug/l	
98-95-3	Nitrobenzene	ND	10	0.67	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	10	0.88	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	10	0.76	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.88	ug/l	
129-00-0	Pyrene	ND	5.0	0.62	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%		10-110%
4165-62-2	Phenol-d5	32%		10-110%
118-79-6	2,4,6-Tribromophenol	78%		15-127%
4165-60-0	Nitrobenzene-d5	88%		30-118%
321-60-8	2-Fluorobiphenyl	87%		37-110%
1718-51-0	Terphenyl-d14	109%		30-124%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
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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-9-25-MW070		
Lab Sample ID:	M41753-5	**Date Sampled:**	09/09/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
		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	170 B	200	8.1	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Antimony	1.7 U	6.0	1.7	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Arsenic	2.2 U	5.0	2.2	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Barium	12.6 B	200	0.64	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Beryllium	0.12 U	4.0	0.12	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cadmium	0.30 U	4.0	0.30	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Calcium	10700	5000	2.3	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Chromium	4.5 B	10	0.26	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cobalt	0.81 U	50	0.81	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Copper	8.7 B	25	0.47	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Iron	153	100	9.7	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Lead	1.5 U	3.0	1.5	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Magnesium	1210 B	5000	4.8	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Manganese	523	15	0.15	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Mercury	0.070 U	0.20	0.070	ug/l	1	09/22/04	09/22/04	MA	SW846 7470A [1]	SW846 7470A [4]
Nickel	3.4 B	40	0.61	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Potassium	422 B	5000	31	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Selenium	1.2 U	5.0	1.2	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Silver	0.31 U	5.0	0.31	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Sodium	9670	5000	150	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Thallium	3.0 U	10	3.0	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Vanadium	4.4 B	50	1.4	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Zinc	4.0 B	20	0.75	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA5094
(2) Instrument QC Batch: MA5097
(3) Prep QC Batch: MP6077
(4) Prep QC Batch: MP6082

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-9-25-MW071		
Lab Sample ID:	M41753-6	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	G42262.D	1	09/21/04	PB	n/a	n/a	MSG1689
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	11.9	5.0	4.3	ug/l	
71-43-2	Benzene	ND	0.50	0.36	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.98	ug/l	
75-25-2	Bromoform	ND	2.0	0.45	ug/l	
74-83-9	Bromomethane	ND	2.0	0.65	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.43	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.38	ug/l	
75-00-3	Chloroethane	ND	5.0	0.96	ug/l	
67-66-3	Chloroform	ND	2.0	0.66	ug/l	
74-87-3	Chloromethane	ND	5.0	0.55	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.36	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.41	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.73	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0		ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.83	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.42	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	1.3	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.77	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.4	ug/l	
100-42-5	Styrene	ND	5.0	0.38	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.38	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.61	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.49	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-9-25-MW071		
Lab Sample ID:	M41753-6	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	0.49	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	96%		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-9-25-MW-XD3		
Lab Sample ID:	M41753-7	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	G42263.D	1	09/21/04	PB	n/a	n/a	MSG1689
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	12.1	5.0	4.3	ug/l	
71-43-2	Benzene	ND	0.50	0.36	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.98	ug/l	
75-25-2	Bromoform	ND	2.0	0.45	ug/l	
74-83-9	Bromomethane	ND	2.0	0.65	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.43	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.38	ug/l	
75-00-3	Chloroethane	ND	5.0	0.96	ug/l	
67-66-3	Chloroform	ND	2.0	0.66	ug/l	
74-87-3	Chloromethane	ND	5.0	0.55	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.36	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.41	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.73	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0		ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.83	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.42	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	1.3	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.77	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.4	ug/l	
100-42-5	Styrene	ND	5.0	0.38	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.38	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.61	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.49	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-9-25-MW-XD3		
Lab Sample ID:	M41753-7	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	0.49	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	103%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	96%		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-9-25-MW072		
Lab Sample ID:	M41753-8	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	G42264.D	1	09/21/04	PB	n/a	n/a	MSG1689
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	17.9	5.0	4.3	ug/l	
71-43-2	Benzene	ND	0.50	0.36	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.98	ug/l	
75-25-2	Bromoform	ND	2.0	0.45	ug/l	
74-83-9	Bromomethane	ND	2.0	0.65	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.43	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.38	ug/l	
75-00-3	Chloroethane	ND	5.0	0.96	ug/l	
67-66-3	Chloroform	ND	2.0	0.66	ug/l	
74-87-3	Chloromethane	ND	5.0	0.55	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.36	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.41	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.73	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0		ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.83	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.42	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	1.3	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.77	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.4	ug/l	
100-42-5	Styrene	ND	5.0	0.38	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.38	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.61	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.49	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-9-25-MW072		
Lab Sample ID:	M41753-8	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	0.49	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	99%		87-111%
460-00-4	4-Bromofluorobenzene	97%		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-9-25-MW074		
Lab Sample ID:	M41753-9	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	G42265.D	1	09/21/04	PB	n/a	n/a	MSG1689
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	12.8	5.0	4.3	ug/l	
71-43-2	Benzene	ND	0.50	0.36	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.98	ug/l	
75-25-2	Bromoform	ND	2.0	0.45	ug/l	
74-83-9	Bromomethane	ND	2.0	0.65	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.43	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.38	ug/l	
75-00-3	Chloroethane	ND	5.0	0.96	ug/l	
67-66-3	Chloroform	ND	2.0	0.66	ug/l	
74-87-3	Chloromethane	ND	5.0	0.55	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.36	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.41	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.73	ug/l	
540-59-0	1,2-Dichloroethene (total)	2.2	2.0		ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.83	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.42	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	1.3	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.77	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.4	ug/l	
100-42-5	Styrene	ND	5.0	0.38	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.38	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.61	ug/l	
79-01-6	Trichloroethene	1.3	2.0	0.49	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-9-25-MW074		
Lab Sample ID:	M41753-9	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	0.49	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	103%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	97%		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-9-25-MW075		
Lab Sample ID:	M41753-10	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	G42266.D	1	09/21/04	PB	n/a	n/a	MSG1689
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	14.0	5.0	4.3	ug/l	
71-43-2	Benzene	ND	0.50	0.36	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.98	ug/l	
75-25-2	Bromoform	ND	2.0	0.45	ug/l	
74-83-9	Bromomethane	ND	2.0	0.65	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.43	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.38	ug/l	
75-00-3	Chloroethane	ND	5.0	0.96	ug/l	
67-66-3	Chloroform	ND	2.0	0.66	ug/l	
74-87-3	Chloromethane	ND	5.0	0.55	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.36	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.41	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.73	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0		ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.83	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.42	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	1.3	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.77	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.4	ug/l	
100-42-5	Styrene	ND	5.0	0.38	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.38	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.61	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.49	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-9-25-MW075		
Lab Sample ID:	M41753-10	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	0.49	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	99%		87-111%
460-00-4	4-Bromofluorobenzene	98%		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-9-25-MW076		
Lab Sample ID:	M41753-11	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	G42279.D	1	09/21/04	PB	n/a	n/a	MSG1690
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	17.0	5.0	4.3	ug/l	
71-43-2	Benzene	ND	0.50	0.36	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.98	ug/l	
75-25-2	Bromoform	ND	2.0	0.45	ug/l	
74-83-9	Bromomethane	ND	2.0	0.65	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.43	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.38	ug/l	
75-00-3	Chloroethane	ND	5.0	0.96	ug/l	
67-66-3	Chloroform	ND	2.0	0.66	ug/l	
74-87-3	Chloromethane	ND	5.0	0.55	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.36	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.41	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.73	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0		ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.83	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.42	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	1.3	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.77	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.4	ug/l	
100-42-5	Styrene	ND	5.0	0.38	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.38	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.61	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.49	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-9-25-MW076		
Lab Sample ID:	M41753-11	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	0.49	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	102%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	95%		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-9-25-MW079		
Lab Sample ID:	M41753-12	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
Method:	SW846 8270C 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	F11335.D	1	09/23/04	PN	09/15/04	OP7698	MSF643
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	11	1.5	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	21	1.8	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	ND	21	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	3.4	ug/l	
95-48-7	2-Methylphenol	ND	11	1.3	ug/l	
	3&4-Methylphenol	ND	11	4.9	ug/l	
88-75-5	2-Nitrophenol	ND	11	1.7	ug/l	
100-02-7	4-Nitrophenol	ND	53	1.3	ug/l	
87-86-5	Pentachlorophenol	ND	11	2.3	ug/l	
108-95-2	Phenol	ND	11	1.2	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	11	2.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	1.4	ug/l	
83-32-9	Acenaphthene	ND	5.3	1.4	ug/l	
208-96-8	Acenaphthylene	ND	5.3	1.0	ug/l	
120-12-7	Anthracene	ND	5.3	0.78	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.3	0.70	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.3	0.66	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.3	0.70	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.3	1.1	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	11	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	11	1.5	ug/l	
91-58-7	2-Chloronaphthalene	ND	11	1.6	ug/l	
106-47-8	4-Chloroaniline	ND	11	1.3	ug/l	
86-74-8	Carbazole	ND	11	0.81	ug/l	
218-01-9	Chrysene	ND	5.3	0.73	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	11	0.84	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	11	1.8	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	11	0.81	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	11	1.4	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	11	2.2	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-9-25-MW079		
Lab Sample ID:	M41753-12	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	11	2.3	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	11	2.2	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	2.1	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.77	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.3	0.88	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.3	0.63	ug/l	
132-64-9	Dibenzofuran	ND	5.3	1.1	ug/l	
84-74-2	Di-n-butyl phthalate	ND	11	1.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	11	0.73	ug/l	
84-66-2	Diethyl phthalate	ND	11	1.4	ug/l	
131-11-3	Dimethyl phthalate	ND	11	1.7	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	11	0.76	ug/l	
206-44-0	Fluoranthene	1.2	5.3	0.62	ug/l	J
86-73-7	Fluorene	ND	5.3	0.99	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	5.3	ug/l	
67-72-1	Hexachloroethane	ND	11	2.4	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.3	0.58	ug/l	
78-59-1	Isophorone	ND	11	0.97	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.3	1.4	ug/l	
88-74-4	2-Nitroaniline	ND	11	2.0	ug/l	
99-09-2	3-Nitroaniline	ND	11	1.0	ug/l	
100-01-6	4-Nitroaniline	ND	11	0.88	ug/l	
91-20-3	Naphthalene	ND	5.3	1.3	ug/l	
98-95-3	Nitrobenzene	ND	11	0.70	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	11	0.92	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	11	0.80	ug/l	
85-01-8	Phenanthrene	ND	5.3	0.93	ug/l	
129-00-0	Pyrene	1.3	5.3	0.66	ug/l	J
120-82-1	1,2,4-Trichlorobenzene	ND	11	2.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	59%		10-110%
4165-62-2	Phenol-d5	44%		10-110%
118-79-6	2,4,6-Tribromophenol	93%		15-127%
4165-60-0	Nitrobenzene-d5	88%		30-118%
321-60-8	2-Fluorobiphenyl	87%		37-110%
1718-51-0	Terphenyl-d14	120%		30-124%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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-9-25-MW079		
Lab Sample ID:	M41753-12	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
		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	166 B	200	8.1	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Antimony	1.7 U	6.0	1.7	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Arsenic	2.8 B	5.0	2.2	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Barium	260	200	0.64	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Beryllium	0.12 U	4.0	0.12	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cadmium	0.30 U	4.0	0.30	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Calcium	27800	5000	2.3	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Chromium	0.26 U	10	0.26	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cobalt	0.81 U	50	0.81	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Copper	0.47 U	25	0.47	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Iron	21400	100	9.7	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Lead	1.5 U	3.0	1.5	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Magnesium	1780 B	5000	4.8	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Manganese	102	15	0.15	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Mercury	0.070 U	0.20	0.070	ug/l	1	09/22/04	09/22/04	MA	SW846 7470A [1]	SW846 7470A [4]
Nickel	0.61 U	40	0.61	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Potassium	2360 B	5000	31	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Selenium	1.6 B	5.0	1.2	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Silver	0.31 U	5.0	0.31	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Sodium	4580 B	5000	150	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Thallium	3.0 U	10	3.0	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Vanadium	3.0 B	50	1.4	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Zinc	5.4 B	20	0.75	ug/l	1	09/21/04	09/23/04	LMN	SW846 6010B [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA5094
(2) Instrument QC Batch: MA5097
(3) Prep QC Batch: MP6077
(4) Prep QC Batch: MP6082

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-9-25-MW080		
Lab Sample ID:	M41753-13	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	G42280.D	1	09/21/04	PB	n/a	n/a	MSG1690
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	16.4	5.0	4.3	ug/l	
71-43-2	Benzene	13.0	0.50	0.36	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.98	ug/l	
75-25-2	Bromoform	ND	2.0	0.45	ug/l	
74-83-9	Bromomethane	ND	2.0	0.65	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.43	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.38	ug/l	
75-00-3	Chloroethane	ND	5.0	0.96	ug/l	
67-66-3	Chloroform	ND	2.0	0.66	ug/l	
74-87-3	Chloromethane	ND	5.0	0.55	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.36	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.41	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.73	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0		ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.83	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.42	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	1.3	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.77	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.4	ug/l	
100-42-5	Styrene	ND	5.0	0.38	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.38	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.61	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.49	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-9-25-MW080		
Lab Sample ID:	M41753-13	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	2.2	2.0	0.49	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	99%		87-111%
460-00-4	4-Bromofluorobenzene	99%		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-9-25-MW021		
Lab Sample ID:	M41753-14	**Date Sampled:**	09/09/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	G42281.D	1	09/21/04	PB	n/a	n/a	MSG1690
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	14.6	5.0	4.3	ug/l	
71-43-2	Benzene	ND	0.50	0.36	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.98	ug/l	
75-25-2	Bromoform	ND	2.0	0.45	ug/l	
74-83-9	Bromomethane	ND	2.0	0.65	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.43	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.38	ug/l	
75-00-3	Chloroethane	ND	5.0	0.96	ug/l	
67-66-3	Chloroform	ND	2.0	0.66	ug/l	
74-87-3	Chloromethane	ND	5.0	0.55	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.36	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.41	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.73	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0		ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.83	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.42	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	1.3	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.77	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.4	ug/l	
100-42-5	Styrene	ND	5.0	0.38	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.38	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.61	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.49	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-9-25-MW021		
Lab Sample ID:	M41753-14	**Date Sampled:**	09/09/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	0.49	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	99%		87-111%
460-00-4	4-Bromofluorobenzene	97%		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-9-25-MW022		
Lab Sample ID:	M41753-15	**Date Sampled:**	09/09/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	G42282.D	1	09/21/04	PB	n/a	n/a	MSG1690
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	20.6	5.0	4.3	ug/l	
71-43-2	Benzene	ND	0.50	0.36	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.98	ug/l	
75-25-2	Bromoform	ND	2.0	0.45	ug/l	
74-83-9	Bromomethane	ND	2.0	0.65	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.43	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.38	ug/l	
75-00-3	Chloroethane	ND	5.0	0.96	ug/l	
67-66-3	Chloroform	ND	2.0	0.66	ug/l	
74-87-3	Chloromethane	ND	5.0	0.55	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.36	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.41	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.73	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0		ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.83	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.42	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	1.3	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.77	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.4	ug/l	
100-42-5	Styrene	ND	5.0	0.38	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.38	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.61	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.49	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-9-25-MW022		
Lab Sample ID:	M41753-15	**Date Sampled:**	09/09/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	0.49	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	97%		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-9-25-MW0227		
Lab Sample ID:	M41753-16	**Date Sampled:**	09/09/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	G42283.D	1	09/21/04	PB	n/a	n/a	MSG1690
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	17.0	5.0	4.3	ug/l	
71-43-2	Benzene	ND	0.50	0.36	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.98	ug/l	
75-25-2	Bromoform	ND	2.0	0.45	ug/l	
74-83-9	Bromomethane	ND	2.0	0.65	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.43	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.38	ug/l	
75-00-3	Chloroethane	ND	5.0	0.96	ug/l	
67-66-3	Chloroform	ND	2.0	0.66	ug/l	
74-87-3	Chloromethane	ND	5.0	0.55	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.36	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.41	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.73	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.8	2.0		ug/l	J
78-87-5	1,2-Dichloropropane	ND	2.0	0.83	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.42	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	1.3	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.77	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.4	ug/l	
100-42-5	Styrene	ND	5.0	0.38	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.38	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.61	ug/l	
79-01-6	Trichloroethene	1.3	2.0	0.49	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-9-25-MW0227		
Lab Sample ID:	M41753-16	**Date Sampled:**	09/09/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	0.49	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	97%		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-9-25-LT901		
Lab Sample ID:	M41753-17	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	G42275.D	1	09/21/04	PB	n/a	n/a	MSG1690
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	4.3	ug/l	
71-43-2	Benzene	ND	0.50	0.36	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.98	ug/l	
75-25-2	Bromoform	ND	2.0	0.45	ug/l	
74-83-9	Bromomethane	ND	2.0	0.65	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.43	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.38	ug/l	
75-00-3	Chloroethane	ND	5.0	0.96	ug/l	
67-66-3	Chloroform	ND	2.0	0.66	ug/l	
74-87-3	Chloromethane	ND	5.0	0.55	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.36	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.41	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.73	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0		ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.83	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.42	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	1.3	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.77	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.4	ug/l	
100-42-5	Styrene	ND	5.0	0.38	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.38	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.61	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.49	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-9-25-LT901		
Lab Sample ID:	M41753-17	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	0.49	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	103%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	96%		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-9-25-LT-XD4		
Lab Sample ID:	M41753-18	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	G42284.D	1	09/21/04	PB	n/a	n/a	MSG1690
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	4.3	ug/l	
71-43-2	Benzene	ND	0.50	0.36	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.98	ug/l	
75-25-2	Bromoform	ND	2.0	0.45	ug/l	
74-83-9	Bromomethane	ND	2.0	0.65	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.43	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.38	ug/l	
75-00-3	Chloroethane	ND	5.0	0.96	ug/l	
67-66-3	Chloroform	ND	2.0	0.66	ug/l	
74-87-3	Chloromethane	ND	5.0	0.55	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.36	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.41	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.73	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0		ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.83	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.42	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	1.3	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.77	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.4	ug/l	
100-42-5	Styrene	ND	5.0	0.38	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.38	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.61	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.49	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-9-25-LT-XD4		
Lab Sample ID:	M41753-18	**Date Sampled:**	09/08/04
Matrix:	AQ - Ground Water	**Date Received:**	09/10/04
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	0.49	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	94%		87-111%
460-00-4	4-Bromofluorobenzene	98%		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-9-25-SW010		
Lab Sample ID:	M41753-19	**Date Sampled:**	09/08/04
Matrix:	AQ - Surface Water	**Date Received:**	09/10/04
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	G42308.D	1	09/22/04	PB	n/a	n/a	MSG1691
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	4.3	ug/l	
71-43-2	Benzene	ND	0.50	0.36	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.98	ug/l	
75-25-2	Bromoform	ND	2.0	0.45	ug/l	
74-83-9	Bromomethane	ND	2.0	0.65	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.43	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.38	ug/l	
75-00-3	Chloroethane	ND	5.0	0.96	ug/l	
67-66-3	Chloroform	ND	2.0	0.66	ug/l	
74-87-3	Chloromethane	ND	5.0	0.55	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.36	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.41	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.73	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0		ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.83	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.42	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	1.3	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.77	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.4	ug/l	
100-42-5	Styrene	ND	5.0	0.38	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.38	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.61	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.49	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-9-25-SW010		
Lab Sample ID:	M41753-19	**Date Sampled:**	09/08/04
Matrix:	AQ - Surface Water	**Date Received:**	09/10/04
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	0.49	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	96%		87-111%
460-00-4	4-Bromofluorobenzene	96%		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-9-25-SW-XD5		
Lab Sample ID:	M41753-20	**Date Sampled:**	09/08/04
Matrix:	AQ - Surface Water	**Date Received:**	09/10/04
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	G42309.D	1	09/22/04	PB	n/a	n/a	MSG1691
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	4.3	ug/l	
71-43-2	Benzene	ND	0.50	0.36	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.98	ug/l	
75-25-2	Bromoform	ND	2.0	0.45	ug/l	
74-83-9	Bromomethane	ND	2.0	0.65	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.43	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.38	ug/l	
75-00-3	Chloroethane	ND	5.0	0.96	ug/l	
67-66-3	Chloroform	ND	2.0	0.66	ug/l	
74-87-3	Chloromethane	ND	5.0	0.55	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.36	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.41	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.73	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0		ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.83	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.42	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	1.3	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.77	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.4	ug/l	
100-42-5	Styrene	ND	5.0	0.38	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.38	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.61	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.49	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-9-25-SW-XD5		
Lab Sample ID:	M41753-20	**Date Sampled:**	09/08/04
Matrix:	AQ - Surface Water	**Date Received:**	09/10/04
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	0.49	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	94%		87-111%
460-00-4	4-Bromofluorobenzene	97%		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-9-25-SED010		
Lab Sample ID:	M41753-21	**Date Sampled:**	09/08/04
Matrix:	SO - Sediment	**Date Received:**	09/10/04
Method:	SW846 8260B	**Percent Solids:**	59.4
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H22577.D	1	09/21/04	PN	n/a	n/a	MSH745
Run #2							

	Initial Weight
Run #1	12.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	26.1	3.5	2.1	ug/kg	B
71-43-2	Benzene	ND	0.35	0.16	ug/kg	
75-27-4	Bromodichloromethane	ND	1.4	0.23	ug/kg	
75-25-2	Bromoform	ND	1.4	0.60	ug/kg	
74-83-9	Bromomethane	ND	1.4	0.23	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3.5	1.8	ug/kg	
75-15-0	Carbon disulfide	ND	3.5	0.18	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.4	0.17	ug/kg	
108-90-7	Chlorobenzene	ND	1.4	0.26	ug/kg	
75-00-3	Chloroethane	ND	3.5	0.42	ug/kg	
67-66-3	Chloroform	ND	1.4	0.30	ug/kg	
74-87-3	Chloromethane	ND	3.5	0.17	ug/kg	
124-48-1	Dibromochloromethane	ND	1.4	0.28	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.4	0.18	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.4	0.29	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.4	0.38	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.4	0.19	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.4	0.17	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.4	0.64	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	1.4		ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.4	0.30	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.4	0.17	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.4	0.23	ug/kg	
100-41-4	Ethylbenzene	ND	1.4	0.22	ug/kg	
591-78-6	2-Hexanone	ND	3.5	0.32	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3.5	0.61	ug/kg	
75-09-2	Methylene chloride	ND	1.4	0.52	ug/kg	
100-42-5	Styrene	ND	3.5	0.078	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.4	0.40	ug/kg	
127-18-4	Tetrachloroethene	ND	1.4	0.46	ug/kg	
108-88-3	Toluene	ND	1.4	0.22	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.4	0.29	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-9-25-SED010		
Lab Sample ID:	M41753-21	**Date Sampled:**	09/08/04
Matrix:	SO - Sediment	**Date Received:**	09/10/04
Method:	SW846 8260B	**Percent Solids:**	59.4
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.4	0.20	ug/kg	
79-01-6	Trichloroethene	ND	1.4	0.26	ug/kg	
75-01-4	Vinyl chloride	ND	1.4	0.39	ug/kg	
1330-20-7	Xylene (total)	ND	1.4		ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		50-150%
2037-26-5	Toluene-D8	103%		65-126%
460-00-4	4-Bromofluorobenzene	110%		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-9-25-SED-XD6		
Lab Sample ID:	M41753-22	**Date Sampled:**	09/08/04
Matrix:	SO - Sediment	**Date Received:**	09/10/04
Method:	SW846 8260B	**Percent Solids:**	56.1
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H22553.D	1	09/17/04	PN	n/a	n/a	MSH745
Run #2							

	Initial Weight
Run #1	14.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	25.1	3.2	2.0	ug/kg	B
71-43-2	Benzene	ND	0.32	0.14	ug/kg	
75-27-4	Bromodichloromethane	ND	1.3	0.21	ug/kg	
75-25-2	Bromoform	ND	1.3	0.55	ug/kg	
74-83-9	Bromomethane	ND	1.3	0.21	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3.2	1.7	ug/kg	
75-15-0	Carbon disulfide	ND	3.2	0.17	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.3	0.16	ug/kg	
108-90-7	Chlorobenzene	ND	1.3	0.24	ug/kg	
75-00-3	Chloroethane	ND	3.2	0.39	ug/kg	
67-66-3	Chloroform	ND	1.3	0.28	ug/kg	
74-87-3	Chloromethane	ND	3.2	0.16	ug/kg	
124-48-1	Dibromochloromethane	ND	1.3	0.26	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.3	0.17	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.3	0.26	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.3	0.35	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.3	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.16	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.3	0.59	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	1.3		ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.3	0.28	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.3	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.3	0.21	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.20	ug/kg	
591-78-6	2-Hexanone	ND	3.2	0.29	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3.2	0.56	ug/kg	
75-09-2	Methylene chloride	ND	1.3	0.48	ug/kg	
100-42-5	Styrene	ND	3.2	0.072	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.3	0.36	ug/kg	
127-18-4	Tetrachloroethene	ND	1.3	0.42	ug/kg	
108-88-3	Toluene	ND	1.3	0.20	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.3	0.27	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-9-25-SED-XD6		
Lab Sample ID:	M41753-22	**Date Sampled:**	09/08/04
Matrix:	SO - Sediment	**Date Received:**	09/10/04
Method:	SW846 8260B	**Percent Solids:**	56.1
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.3	0.19	ug/kg	
79-01-6	Trichloroethene	ND	1.3	0.24	ug/kg	
75-01-4	Vinyl chloride	ND	1.3	0.36	ug/kg	
1330-20-7	Xylene (total)	ND	1.3		ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		50-150%
2037-26-5	Toluene-D8	102%		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-9-25-QT1		
Lab Sample ID:	M41753-23	**Date Sampled:**	09/08/04
Matrix:	SO - Trip Blank Soil	**Date Received:**	09/10/04
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	H22551.D	1	09/17/04	PN	n/a	n/a	MSH745
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	33.4	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	2.8	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-9-25-QT1		
Lab Sample ID:	M41753-23	**Date Sampled:**	09/08/04
Matrix:	SO - Trip Blank Soil	**Date Received:**	09/10/04
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	108%		50-150%
2037-26-5	Toluene-D8	102%		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-9-25-QT1		
Lab Sample ID:	M41753-23A	**Date Sampled:**	09/08/04
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/10/04
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	G42307.D	1	09/22/04	PB	n/a	n/a	MSG1691
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	4.3	ug/l	
71-43-2	Benzene	ND	0.50	0.36	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.98	ug/l	
75-25-2	Bromoform	ND	2.0	0.45	ug/l	
74-83-9	Bromomethane	ND	2.0	0.65	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.43	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.38	ug/l	
75-00-3	Chloroethane	ND	5.0	0.96	ug/l	
67-66-3	Chloroform	ND	2.0	0.66	ug/l	
74-87-3	Chloromethane	ND	5.0	0.55	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.36	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.42	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.41	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.73	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0		ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.83	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.42	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	1.3	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.77	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	2.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.4	ug/l	
100-42-5	Styrene	ND	5.0	0.38	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.38	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.61	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.49	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-9-25-QT1		
Lab Sample ID:	M41753-23A	**Date Sampled:**	09/08/04
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/10/04
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	0.49	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	98%		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-9-25-QT1		
Lab Sample ID:	M41753-23B	**Date Sampled:**	09/08/04
Matrix:	SO - Trip Blank Methanol	**Date Received:**	09/10/04
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	I22393.D	1	09/16/04	SC	n/a	n/a	MSI627
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	250	150	ug/kg	
71-43-2	Benzene	ND	25	11	ug/kg	
75-27-4	Bromodichloromethane	ND	100	17	ug/kg	
75-25-2	Bromoform	ND	100	43	ug/kg	
74-83-9	Bromomethane	ND	100	17	ug/kg	
78-93-3	2-Butanone (MEK)	ND	250	130	ug/kg	
75-15-0	Carbon disulfide	ND	250	13	ug/kg	
56-23-5	Carbon tetrachloride	ND	100	12	ug/kg	
108-90-7	Chlorobenzene	ND	100	19	ug/kg	
75-00-3	Chloroethane	ND	250	30	ug/kg	
67-66-3	Chloroform	ND	100	22	ug/kg	
74-87-3	Chloromethane	ND	250	12	ug/kg	
124-48-1	Dibromochloromethane	ND	100	20	ug/kg	
75-34-3	1,1-Dichloroethane	ND	100	14	ug/kg	
107-06-2	1,2-Dichloroethane	ND	100	12	ug/kg	
75-35-4	1,1-Dichloroethene	ND	100	47	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	100	30	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	100	32	ug/kg	
78-87-5	1,2-Dichloropropane	ND	100	22	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	100	13	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	100	16	ug/kg	
100-41-4	Ethylbenzene	ND	100	16	ug/kg	
591-78-6	2-Hexanone	ND	250	23	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250	44	ug/kg	
75-09-2	Methylene chloride	ND	100	37	ug/kg	
100-42-5	Styrene	ND	250	5.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	29	ug/kg	
127-18-4	Tetrachloroethene	ND	100	33	ug/kg	
108-88-3	Toluene	ND	100	16	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	100	21	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	100	15	ug/kg	
79-01-6	Trichloroethene	ND	100	19	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-9-25-QT1		
Lab Sample ID:	M41753-23B	**Date Sampled:**	09/08/04
Matrix:	SO - Trip Blank Methanol	**Date Received:**	09/10/04
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	100	28	ug/kg	
1330-20-7	Xylene (total)	ND	100		ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		50-150%
2037-26-5	Toluene-D8	90%		65-126%
460-00-4	4-Bromofluorobenzene	94%		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

APPENDIX E

Analytical Data Quality Review

APPENDIX E

ANALYTICAL DATA QUALITY REVIEW

E.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 LTMP Quality Assurance Project Plan (QAPP) (EA 1999b) were met.

The sampling program consisted of 12 samples of groundwater from 12 groundwater monitoring wells, one sample of surface water, and one sample of leachate seep water, and one sediment samples collected from Site 9. Field quality control samples consisted of two field duplicates of monitoring well samples, one field duplicate of the surface water sample, one field duplicate of the leachate seep sample, one field duplicate of the sediment sample, and one VOC tripblank. All samples were provided to Accutest (Marlborough, Massachusetts) for analysis. Field quality control samples (field duplicates and trip blanks) were collected at the frequency required by the QAPP.

Analytical quality control was reviewed for compliance against the measurement performance criteria for precision and accuracy for each sample and analysis type, including field duplicates, as presented in the LTMP QAPP (EA 1999b). 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, and accuracy for inorganics was based upon the MS and LCS.

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 on organic sample preparation and measurement methodology. Post digestion spikes, matrix spikes, or serial dilutions are used to measure the effect of the 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 determining the ratio of the LTMP planned number of samples to be collected 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 at the end of this appendix.

- ***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 (U.S. EPA 1996). 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.

- ***J*** – Data qualifier indicating that the analyte was positively identified; however, the analyte magnitude is the approximate concentration of the analyte in the sample.

- ***U J*-** The analyte was not detected above the sample reporting limit, and the reporting limit is approximate.

- ***U* -** The sample was analyzed for, but was not detected above the sample MDL

- ***R* -** The sample result is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified

E.2 LABORATORY ANALYTICAL QUALITY CONTROL PROGRAM

Aqueous samples collected from the monitoring wells, leachate seeps, surface water, and sediment were analyzed for LTMP (EA 1999b) Target Compound List (TCL) VOCs by EPA SW-846 Method 8260B. Groundwater samples collected from monitoring wells MW-NASB-069, MW-NASB-070, and MW-NASB-079 were analyzed for LTMP (EA 1999b) LTMP Target Analyte List by EPA SW-846 6010B/7000 Methods and LTMP semivolatile organic compounds by EPA Method 8270C. 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. The range of results for the accuracy and precision data quality objectives are discussed in the subsections below.

E.2.1 LABORATORY ACCURACY EVALUATION

E.2.1.1 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 matrix spike recovery is greater than the upper control limit, then corresponding analyte detects are qualified as estimated (J) and corresponding analytes with non-detects are not qualified in the unspiked sample.
- If the matrix spike recovery is greater than or equal to 10 percent, but less than the lower control limit, then corresponding analyte detects are qualified as estimated (J) and corresponding analytes with non-detects are qualified as non-detect with an estimated MRL (UJ) in the unspiked sample.
- If the matrix spike recovery is less than 10 percent for an analyte, then corresponding analyte detects are qualified as estimated (J) and corresponding analytes non-detects are qualified as unusable or rejected (R) in the unspiked sample.
- If the matrix spike concentration is not greater than four times the corresponding analyte level detected in the field sample, then the matrix spike recoveries are not used to evaluate matrix interference.

E.2.1.2 Evaluating Surrogate Recoveries for Accuracy

- If the surrogate recovery is greater than the upper limit, then all analyte detects are qualified as estimated (J) and analytes with non-detect results are not qualified.
- If the surrogate recovery is greater than or equal to 10 percent, but less than the lower control limit, then all analyte detects are qualified as estimated (J) and all analytes with non-detect results are qualified as non-detect with estimated MRLs (UJ).
- If the surrogate recovery is less than 10 percent, then all analyte detects are qualified as estimated (J) and all analytes with non-detect results are qualified as unusable (R).

E.2.1.3 Evaluating Laboratory Control Sample Recoveries for Accuracy

- If the LCS recovery is greater than the upper control limit, then corresponding analyte detects are qualified as estimated (J) and analytes with non-detect results are not qualified.
- If the LCS recovery is greater than or equal to 10 percent, but less than the lower control limit, then corresponding analyte detects are qualified as estimated (J) and analytes with non-detect results are qualified as non-detect with estimated MRLs.
- If the LCS recovery is less than 10 percent, the corresponding analyte detects are qualified as estimated (J) and analyte non-detects are qualified as rejected (R).

E.2.1.4 Evaluating Laboratory Method Blanks for Accuracy

- Method blank results should not have any analyte detections greater than the MRL.

E.2.2. LABORATORY ACCURACY ASSESSMENT

E.2.2.1 Volatile Organic Compounds

Surrogate: Surrogate recoveries in leachate, surface water, sediment, and monitoring well samples were within established control limits. All extractions were acceptable.

Matrix Spike/Matrix Spike Duplicate: The surface water and monitoring well MS/MSD recoveries were within the established control limits.

The leachate MS/MSD recoveries were within limits except for styrene, which had a matrix spike recovery less than the lower control limit.

The sediment sample MS/MSD recoveries for nearly all reported VOCs were less than the lower control limits. These low matrix spike recoveries are attributed to matrix inhomogeniety and possible matrix interference.

Laboratory Control Sample: LCS recoveries associated with the leachate, surface water, sediment, and monitoring well samples were within the established control limits. Laboratory accuracy based upon the LCS results is acceptable.

Method Blank: The VOC method blanks for aqueous samples were non-detect for all analytes. The VOC method blank associated with the sediment samples had detects for acetone and methylene chloride. Acetone results in sample BN-9-25-SED010 and corresponding field duplicate sample BN-9-25-SED-XD6 were qualified non-detect (U).

E.2.2.2 Target Analyte List Metals

Matrix Spike: The MS samples were analyzed at the correct frequency, and the accuracy control limits used to evaluate the data were taken from the QAPP. Monitoring well sample MS recoveries were within the established control limits.

Laboratory Control Sample: The LCS samples were analyzed at the correct frequency and the accuracy limits used to evaluate the data were taken from the QAPP. Monitoring well samples have acceptable accuracy based on review of the LCS accuracy.

Method Blank: Vanadium was detected in the method blank at levels requiring sample detects in associated samples to be qualified as non-detect (U).

E.2.2.3 Semivolatile Organic Compounds

Surrogates: Six surrogates were used to measure the ability of the laboratory to extract the target compounds from the environmental samples. The monitoring well groundwater surrogate recoveries were within the established control limits. Extractions were acceptable.

Matrix Spike/Matrix Spike Duplicate: Eleven SVOCs are evaluated, per the LTMP QAPP (EA 1999b), as matrix spikes to determine if there is any matrix interference, and the control limits stated in the QAPP were used to evaluate the data. The monitoring well sample MS/MSD recoveries met acceptance criteria, except for %R was less then the LCL for 2,4 dimethylphenol. Overall there is no apparent matrix bias.

Laboratory Control Sample: Eleven SVOCs are evaluated, per the LTMP QAPP (EA 1999b), as matrix spikes to determine if there is any matrix interference, and were used to quantify the LCS recoveries against laboratory established control limits. Laboratory accuracy is acceptable.

Method Blank: All reported SVOC results in the associated method blank were non-detect. No apparent laboratory cross contamination.

E.2.3 LABOROATORY PRECISION EVALUATION

E.2.3.1 Volatile Organic Compounds

Matrix Spike/Matrix Spike Duplicate: LTMP QAPP and other VOCs 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 monitoring well sample BN-9-25-MW-069S, leachate seep sample BN-9-25-LT-901, surface water sample BN-9-25-SW010, and sediment sample BN-9-25-SED010.

RPDs results from MS/MSD sets associated with groundwater, surface water, and leachate seeps were within the established control limits; therefore, analytical precision was determined to be acceptable. For sediments the MS/MSD RPD exceeded performance criteria for nearly all VOCs.

Laboratory precision for the sediment samples should be considered low, because of because of matrix inhomogeneity and possible matrix interference.

E.2.3.2 Target Analyte List Metals

Laboratory Replicate: All LTMP TAL metals were used to quantify the laboratory duplicate RPD. The laboratory replicate MPC of 20% RPD for results greater than the MRL was used to evaluate the laboratory precision. The laboratory replicated the analyses of monitoring well sample BN-9-25-MW069. For metals with results greater than the MRL, the laboratory replicate RPD was within limits, and the laboratory precision is acceptable.

E.2.3.3 Semivolatile Organic Compounds

Matrix Spike/Matrix Spike Duplicate: Eleven LTMP QAPP and other SVOCs were used to quantify the MS/MSD RPDs. The aqueous control limits identified in the QAPP were used to qualify the MS/MSD RPDs. The MS/MSD analysis was performed on sample BN-9-25-MW-069, and all MS/MSD RPDs were within measurement performance criteria. Laboratory precision is acceptable.

E.3 FIELD SAMPLING PROGRAM QUALITY CONTROL

Field sampling quality control was acceptable and conducted according to the LTMP (EA 1999b). Field duplicate samples were collected for groundwater, surface water, leachate seep sediment, and leachate seepwater. The field duplicates were analyzed for the same parameters as the corresponding 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 trip blank was analyzed for LTMP VOCs by EPA SW-846 Method 8260B.

E.3.1 FIELD PRECISION EVALUATION

Duplicate field samples were collected during the monitoring well groundwater sampling program, leachate seep, surface water, and sediment sampling program. The sample locations of the field duplicate samples were not identified on the sample labels to the laboratory. The precision measurements for all analytes reported with a detection in the field sample and/or field duplicate are presented in the tables below.

E.3.1.1 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 were used to review the field duplicate collected and analyzed during the sampling event.

- Field sample and field duplicate sample results greater than twice the MRL were evaluated and a FD RPD was calculated.

- 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. estimated non-detect.
- The overall precision was evaluated per EPA Region I validation criteria as being acceptable if less than 30 percent for aqueous samples and acceptable if less than 50 percent for sediment samples.

E.3.1.2 Field Precision Assessment

The following table shows the field duplicate groundwater sample results that are associated with BN-9-25-MW-069:

Compound	Units	MW-069	MW-069 DUP	RPD%
Bis(2-Ethylhexyl)phthalate)	µg/L	3.5	3.8	8.2
Aluminum	µg/L	207	179	14.5
Barium	µg/L	7.0	7.2	2.8
Calcium	µg/L	6,020	5,890	2.2
Chromium	µg/L	0.98	0.35	NC
Copper	µg/L	2.8	2.1	28.6
Iron	µg/L	458	376	19.7
Magnesium	µg/L	2,700	2,610	4.4
Manganese	µg/L	366	363	0.8
Nickel	µg/L	1.5	1.0	NC
Potassium	µg/L	1,050	1,010	3.9
Selenium	µg/L	ND	1.4	NC
Silver	µg/L	0.41	ND	NC
Sodium	µg/L	55,200	55,200	0.9
Vanadium	µg/L	4.9	4.6	6.3
Zinc	µg/L	4.0	59.4	**174.8**

NOTE:
ND = Not detected
NC = Not calculated
Dashes (---) indicate this column does not apply.
RPDs in bold indicate an exceedance of the precision requirements.

All precision requirements were met for the field duplicate analyses except for zinc. The field sample and corresponding field duplicate were collected using the low-flow method.

The following table shows the field duplicate groundwater sample results that are associated with BN-9-25-MW-069S:

Compound	Units	MW-069S (deep)	MW-069S DUP (deep)	RPD%
Vinyl chloride	µg/L	42.8	40.5	5.5
Acetone	µg/L	16.1	18.0	11.1
1,2-dichloroethene (total)	µg/L	22.6	23.3	3.1

NOTE: Results in bold indicate an exceedance of the precision requirements.

All precision requirements were met for the field duplicate analyses. The field sample and field duplicate were collected using the aqueous diffusion sampler method.

The following table shows the field duplicate groundwater sample result that is associated with BN-9-25-MW-071:

Compound	Units	MW-071	MW-071 DUP	RPD%
Acetone	µg/L	12.1	11.9	1.7
NOTE: RPDs in bold indicate an exceedance of the precision requirements.				

All precision requirements were met for the groundwater field duplicate analyses.

The following table shows the field duplicate surface water sample results that are associated with BN-9-25-SW-010:

Compound	Units	SW-010	SW-010 DUP	RPD%
All compounds	µg/L	All ND	All ND	---
NOTE: Dashes (---) indicate this column does not apply.				

All precision requirements were met for the surface water field duplicate analyses.

The following table shows the field duplicate leachate seep sample results that are associated with BN-9-25-LT-901:

Compound	Units	LT-901	LT-901 DUP	RPD%
All compounds	µg/L	All ND	All ND	---
NOTE: Dashes (---) indicate this column does not apply				

All precision requirements were met for the leachate seep field duplicate analyses.

The following table shows the field duplicate sediment sample results that are associated with BN-9-25-SED-010:

Compound	Units	LT-901	LT-901 DUP	RPD%
All compounds	µg/L	All ND	All ND	---
NOTE: Dashes (---) indicate this column does not apply.				

All precision requirements were met for the sediment field duplicate analyses.

E.3.2 FIELD ACCURACY EVALUATION

E.3.2.1 Rinsate Blanks

Rinsate blanks were not collected during this monitoring event, as dedicated and disposable sampling equipment was used for sample collection.

E.3.2.2 Trip Blanks

Trip blanks were shipped with sample coolers containing VOC samples. The sediment VOC trip blanks yielded detects for methylene chloride and acetone. Methylene chloride was not detected in any associated VOC sample. Acetone results in sample BN-9-25-SED010 and corresponding field duplicate sample BN-9-25-SED-XD6 were qualified non-detect (U) based upon the tripblank results.

E.3.3 FIELD ACCURACY ASSESSMENTS

Rinsate blanks were not collected as dedicated and disposable equipment was used for sample collection. The trip blank for aqueous samples were non-detect for all VOCs, and there is no apparent field cross-contamination of aqueous samples. The sediment tripblank had detects for acetone and methylene chloride. Acetone results in the sediment samples required qualification based upon the acetone detections in both the associated trip-blank and laboratory method blank. Field accuracy is acceptable for sediment samples, and there is no apparent field cross-contamination except for acetone.

E.4 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[(a)] /Method Blank Contamination	Precision		Accuracy			Completeness	
				Laboratory	Field	Surrogate	MS/ MSD	LCS	Analytical	Field
Groundwater Matrix	VOC	4	4	4	4	4	4	4	100%	100%
	Metals	4	4B[1]	4	4J	NA	4	4	100%	100%
	SVOC	4	4	4	4	4	4UJ	4	100%	100%
Surface Water Matrix	VOC	4	4	4	4	4	4	4	100%	100%
Seepwater Matrix	VOC	4	4	4	4	4	4	4	100%	100%
Sediment Matrix	VOC	4	4B	4J	4	4	4UJ/J	4	100%	100%

(a) Field, source, trip, and rinsate blanks.

NOTE: VOC = Volatile organic compound.
4 = The data are usable as reported based on the data quality review of this quality measurement.
4B = Acetone sediment data have been affected by field blank and laboratory contamination.
4B[1] = Vanadium qualified U in all samples
4J = The data are usable, however, some analyte concentrations should be considered estimates of the true concentrations.
4 UJ = The result is non-detect with approximate reporting limits.
NA = The quality measurement does not apply to this matrix or analytical methodology.

In general, the data collected as part of Monitoring Event 25 were found to meet the data quality objectives established in the QAPP contained in the Long-Term Monitoring Plan (EA 2000) for data usability and are usable as qualified.

E.5 COMPLETENESS

Analytes were reviewed for method and QAPP compliance, and the data were determined to be usable because no historically detected LTMP target compounds were rejected for this sampling event. The percent analytical completeness is 100 percent. All planned field samples and the corresponding quality control samples (duplicate) were collected per the LTMP, resulting in a percent field completeness of 100 percent.

E.6 METHOD DETECTION LIMITS FOR AQUEOUS SAMPLES

The table below provides the method detection limit for aqueous and sediment 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. Sediment VOCs are analyzed prepared by SW-846 5035, which requires the use of a low-level preserved VOC vial (sodium bisulfate) and a high-level preserved VOC vial (methanol). Both sediment VOC preservation methods have unique MDLs. Listed MDL table are two sets of MDL values for low and high VOC (solids) samples.

Method Detection Limits

Analytical Method	Analyte	MDL	Units
SW8466010B	Aluminum	8.1	µg/l
SW8466010B	Antimony	1.7	µg/
SW8466010B	Arsenic	2.2	µg/
SW8466010B	Barium	0.64	µg/
SW8466010B	Beryllium	0.12	µg/
SW8466010B	Cadmium	0.30	µg/
SW8466010B	Calcium	2.3	µg/
SW8466010B	Chromium	0.26	µg/
SW8466010B	Cobalt	0.81	µg/
SW8466010B	Copper	0.47	µg/
SW8466010B	Iron	9.7	µg/
SW8466010B	Lead	1.5	µg/
SW8466010B	Magnesium	4.8	µg/
SW8466010B	Manganese	0.15	µg/
SW8466010B	Nickel	0.61	µg/
SW8466010B	Potassium	31.0	µg/
SW8466010B	Selenium	1.2	µg/
SW8466010B	Silver	0.31	µg/
SW8466010B	Sodium	150	µg/
SW8466010B	Thallium	3.0	µg/
SW8466010B	Vanadium	1.4	µg/

Analytical Method	Analyte	MDL	Units
SW8466010B	Zinc	0.75	µg/
SW8467470A	Mercury	0.070	µg/
SW8468260B	Acetone	4.3	µg/
SW8468260B	Benzene	0.36	µg/
SW8468260B	Bromodichloromethane	0.98	µg/
SW8468260B	Bromoform	0.45	µg/
SW8468260B	Bromomethane	0.65	µg/
SW8468260B	2-Butanone (MEK)	2.5	µg/
SW8468260B	Carbon disulfide	0.46	µg/
SW8468260B	Carbon tetrachloride	0.43	µg/
SW8468260B	Chlorobenzene	0.38	µg/
SW8468260B	Chloroethane	0.96	µg/
SW8468260B	Chloroform	0.66	µg/
SW8468260B	Chloromethane	0.55	µg/
SW8468260B	Dibromochloromethane	0.36	µg/
SW8468260B	1,1-Dichloroethane	0.42	µg/
SW8468260B	1,2-Dichloroethane	0.41	µg/
SW8468260B	1,1-Dichloroethene	0.73	µg/
SW8468260B	1,2-Dichloroethene (total)	2.0	µg/
SW8468260B	1,2-Dichloropropane	0.83	µg/
SW8468260B	cis-1,3-Dichloropropene	0.42	µg/
SW8468260B	trans-1,3-Dichloropropene	1.3	µg/
SW8468260B	Ethylbenzene	0.36	µg/
SW8468260B	Hexachlorobutadiene	0.77	µg/
SW8468260B	2-Hexanone	1.8	µg/
SW8468260B	4-Methyl-2-pentanone (MIBK)	2.0	µg/
SW8468260B	Methylene chloride	1.4	µg/
SW8468260B	Styrene	0.38	µg/
SW8468260B	1,1,2,2-Tetrachloroethane	0.50	µg/
SW8468260B	Tetrachloroethene	0.37	µg/
SW8468260B	Toluene	0.38	µg/
SW8468260B	1,1,1-Trichloroethane	0.50	µg/
SW8468260B	1,1,2-Trichloroethane	0.61	µg/
SW8468260B	Trichloroethene	0.49	µg/
SW8468260B	Vinyl chloride	0.49	µg/
SW8468260B	Xylene (total)	1.0	µg/
SW8468260B	Acetone	3.1	µg/
SW8468260B	Benzene	0.23	µg/
SW8468260B	Bromodichloromethane	0.33	µg/

Analytical Method	Analyte	MDL	Units
SW8468260B	Bromoform	0.87	µg/
SW8468260B	Bromomethane	0.34	µg/
SW8468260B	2-Butanone (MEK)	2.6	µg/
SW8468260B	Carbon disulfide	0.26	µg/
SW8468260B	Carbon tetrachloride	0.25	µg/
SW8468260B	Chlorobenzene	0.37	µg/
SW8468260B	Chloroethane	0.61	µg/
SW8468260B	Chloroform	0.44	µg/
SW8468260B	Chloromethane	0.25	µg/
SW8468260B	Dibromochloromethane	0.40	µg/
SW8468260B	1,2-Dichlorobenzene	0.26	µg/
SW8468260B	1,3-Dichlorobenzene	0.42	µg/
SW8468260B	1,4-Dichlorobenzene	0.55	µg/
SW8468260B	1,1-Dichloroethane	0.27	µg/
SW8468260B	1,2-Dichloroethane	0.24	µg/
SW8468260B	1,1-Dichloroethene	0.93	µg/
SW8468260B	1,2-Dichloroethene (total)	2.0	µg/
SW8468260B	1,2-Dichloropropane	0.43	µg/
SW8468260B	cis-1,3-Dichloropropene	0.25	µg/
SW8468260B	trans-1,3-Dichloropropene	0.33	µg/
SW8468260B	Ethylbenzene	0.32	µg/
SW8468260B	2-Hexanone	0.46	µg/
SW8468260B	4-Methyl-2-pentanone (MIBK)	0.89	µg/
SW8468260B	Methylene chloride	0.75	µg/
SW8468260B	Styrene	0.11	µg/
SW8468260B	1,1,2,2-Tetrachloroethane	0.57	µg/
SW8468260B	Tetrachloroethene	0.66	µg/
SW8468260B	Toluene	0.31	µg/
SW8468260B	1,1,1-Trichloroethane	0.42	µg/
SW8468260B	1,1,2-Trichloroethane	0.30	µg/
SW8468260B	Trichloroethene	0.38	µg/
SW8468260B	Vinyl chloride	0.56	µg/
SW8468260B	Xylene (total)	2.0	µg/
SW8468260B	Acetone	150	µg/
SW8468260B	Benzene	11	µg/
SW8468260B	Bromodichloromethane	17	µg/
SW8468260B	Bromoform	43	µg/
SW8468260B	Bromomethane	17	µg/
SW8468260B	2-Butanone (MEK)	130	µg/

Analytical Method	Analyte	MDL	Units
SW8468260B	Carbon disulfide	13	µg/
SW8468260B	Carbon tetrachloride	12	µg/
SW8468260B	Chlorobenzene	19	µg/
SW8468260B	Chloroethane	30	µg/
SW8468260B	Chloroform	22	µg/
SW8468260B	Chloromethane	12	µg/
SW8468260B	Dibromochloromethane	20	µg/
SW8468260B	1,1-Dichloroethane	14	µg/
SW8468260B	1,2-Dichloroethane	12	µg/
SW8468260B	1,1-Dichloroethene	47	µg/
SW8468260B	cis-1,2-Dichloroethene	30	µg/
SW8468260B	trans-1,2-Dichloroethene	32	µg/
SW8468260B	1,2-Dichloropropane	22	µg/
SW8468260B	cis-1,3-Dichloropropene	13	µg/
SW8468260B	trans-1,3-Dichloropropene	16	µg/
SW8468260B	Ethylbenzene	16	µg/
SW8468260B	2-Hexanone	23	µg/
SW8468260B	4-Methyl-2-pentanone (MIBK)	44	µg/
SW8468260B	Methylene chloride	37	µg/
SW8468260B	Styrene	5.7	µg/
SW8468260B	1,1,2,2-Tetrachloroethane	29	µg/
SW8468260B	Tetrachloroethene	33	µg/
SW8468260B	Toluene	16	µg/
SW8468260B	1,1,1-Trichloroethane	21	µg/
SW8468260B	1,1,2-Trichloroethane	15	µg/
SW8468260B	Trichloroethene	19	µg/
SW8468260B	Vinyl chloride	28	µg/
SW8468260B	Xylene (total)	100	µg/

DATA VALIDATION MEMORANDUM
NAS BRUNSWICK SITE 09
SEPTEMBER 2004 SAMPLING ROUND 25 (SDG M41753)

TO: ENGINEERING FACILITY COMMAND NORTHEAST

FROM: JACKSON KIKER, ECC SENIOR CHEMIST, MARLBOROUGH, MA

SUBJECT: NAS BRUNSWICK SITE 09 MONITORING EVENT 25

DATE: 11/12/2004

Project data were validated using the following Validation Functional Guidelines, as modified for non-CLP methods and project-specific QAPP measurement performance criteria (MPC):

1. Region I, EPA-NE Data Validation Functional Guidelines for Evaluation of Environmental Analyses (Dec, 1996),

2. National Functional Guidelines for Evaluation Inorganic Analysis (1988), and

3. National Functional Guidelines for Evaluation Organic Analysis (October 1999).

The data were assessed against the MPC listed in the approved Site 09 LTMP QAPP (August 1999). The QAPP MPC and validation guideline exceedences are assessed and documented on the method/QAPP specific data validation worksheets. On these data validation worksheets the data quality acceptance criteria are presented, analytes requiring qualification based on MPC and/or validation guidance criteria exceedences are listed, assigned qualifiers, qualifying rationale is documented, and any potential bias noted. The overall evaluation of the data generated by a method is presented in the data validation worksheet.

Standard EPA Region I data qualifiers are used to denote the assessment of data quality. The final and ranking assigned data qualifier for an analyte is presented in the data summary table. Ancillary qualifiers are noted on the data validation worksheets.

The USEPA Region I Organic Regional Data Assessment (ORDA) sheet displays the summarized results of the data validation assessment for all analytical methods reported in the SDG.

ACRONYMS AND ABBREVIATIONS

Following is a list of acronyms and abbreviations that may be used in the data validation reports.

Acronym or Abbreviation	Definition
%D	Percent difference
%R	Percent recovery
Ug/L	Microgram per liter
BD	Breakdown
BEHP	2-bis(ethylhexyl)phthalate
BFB	Bromofluorobenzene
CCB	Continuing calibration Blank
CCC	Continuing Check Compound
CCV	Continuing Calibration Verfication
COC	Chain of custody
CRI	standard at RL for ICP
CVAA	Cold vapor atomic absorption
DFTPP	Decafluorotriphenylphosphine
DQO	Data quality objective
EB	Equipment blank
EPA	Environmental Protection Agency
FD	Field duplicate
GC	Gas Chromatography
GC/MS	Gas chromatography/mass spectrometry
HT	Holding time
ICAL	Initial calibration
ICS-A/AB	Interelement check standard A or AB
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standards
LCL	Lower control limit
LCS	Laboratory control sample
LTMP	Long term monitoring plan
MeCl	Methylene chloride
MS	Matrix spike
MSD	Matrix spike duplicate
MPC	Measurement performance criteria

Acronym or Abbreviation	Definition
NA	Not applicable
NC	Not calculated.
PAH	Polycyclic aromatic hydrocarbon
PCB	Polychlorinated biphenyls
PQL	Practical quantitation limit
QAPP	Quality Assurance Project Plan
QC	Quality control
RF	Response Factor
RPD	Relative percent difference
RRF	Relative response factor
RSD	Relative standard deviation
RT	Retention time
SDG	Sample Delivery Group
SOP	Standard Operation Procedure
SVOC	Semi-volatile organic compound
SPCC	System performance check compound
SQL	Sample Quantitation Limit
TB	Tripblank
TCX	Tetrachloro-m-xylene
TIC	Tentatively identified compound
UCL	Upper control limit
VOC	Volatile organic compound

DATA QUALIFIER REFERENCE TABLE

Data validation reports will summarize the samples reviewed, elements reviewed, any nonconformances with the established criteria, validation actions (including data qualifiers). Data qualifiers will be consistent with EPA Region I – New England guidelines and will consist of the following:

USEPA Region I – Data Qualifier	USEPA Region I – Qualifier Definition
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
UJ	The analyte was not detected above the sample reporting limit; and the reporting limit is approximate
U	The sample was analyzed for, but was not detected above the sample reporting limit.
R	The sample result is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified

LAB NAME: AccuTest Laboratory
SDG #:__M41753
EPA-NE DV TIER LEVEL:___II___
SITE NAME: NAS Brunswick –Site 09

# of SAMPLES/MATRIX: 16 aq samples, 1 sed sample, 5 FDs, 2 TB (sed &aq)
VALIDATION CONTRACTOR:__ECC
VALIDATOR'S NAME: Jackson Kiker
DV Completion Date: November 2004
Date Sampled__8-9 September 2004

ANALYTICAL DATA QUALITY SUMMARY

	Review Item	VOC	SVOC	Metals
1	Preservation and HT	O	O	O
2	Instrument Performance Check	O	O	O
3	Initial Calibration:	M	M	O
4	Continuing Calibration:	M	-	O
5	Blanks:	M	O	M
6	Surrogate Compounds:	O	O	-
7	Internal Standards	O	O	-
8	Matrix Spike/Matrix Spike Duplicate:	M	O	O
9	Sensitivity Check:	M	M	O
10	PE Samples- Accuracy Check	O	O	O
11	Target Compound Identification:	O	O	O
12	Compound Quantitation and Reported QLs	O	O	O
13	Tentatively Identified Compounds:	-	-	-
14	Semivolatile/Pesticide/PCB Cleanup:	-	-	-
15	Data Completeness	O	O	O
16	Overall Evaluation of Data:	O	O	O

O = Data had no problems or were qualified due to minor contractual problems; M = Data were qualified due to major/systemic MPC exceedences: Z = Data were rejected as unusable due to major contractual problems.

ACTION ITEMS: (Z items):

AREAS OF CONCERN: (M items):

SVOC: ICAL; di-n-octylphthalate had % RSD>15%. ICV: 3 + 4 methylphenol, 4-chloroaniline, 4-nitrophenol, and pentachlorophenol. CCV not analyzed. MS/MSD %R<LCL for 2,4 dimethylphenol. Lab MRLs>QAPP MRLs but less than applicable MEGs and/or MCLs.

Metals: ICB had detects for copper and negative results for zinc. CCBs: As, V, and Ag qualified U in select samples, Cu, K and Zn qualified J in select samples. Method blank: V qualified U in all samples.

VOC: Triplblank; acetone and MeCl detects - acetone qualified U in two sediment samples. Method blank: MeCl and Acetone detected; acetone qualified U in two sediment samples MS/MSD Sediments: MS %R<LCL potential low bias. MS %R<LCL for styrene in the leachate MS/MSD, MS/MSD RPDs <criteria due to matrix inhomogeneity. ICAL: 1,1 DCE %RSD>15% . ICV: %D>25% for acetone, 4-methylypentanone, and 2-hexanone. CCV %D>20% for 4-methyl-2-pentanone and 2-hexanone. Sensitivity; Vinyl chloride MDL <MEG, and MRLs greater than QAPP reporting limits.

Comments: None

Data Summary Table
SDG M1753

Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-MW069	M41753-1	SW8467470A	09/08/04	Mercury		ug/l	U	N	0.070	0.20
BN-9-25-MW069	M41753-1	SW8466010B	09/08/04	Aluminum	207	ug/l		Y	8.1	200
BN-9-25-MW069	M41753-1	SW8466010B	09/08/04	Iron	458	ug/l		Y	9.7	100
BN-9-25-MW069	M41753-1	SW8466010B	09/08/04	Lead		ug/l	U	N	1.5	3.0
BN-9-25-MW069	M41753-1	SW8466010B	09/08/04	Magnesium	2700	ug/l	J	Y	4.8	5000
BN-9-25-MW069	M41753-1	SW8466010B	09/08/04	Manganese	366	ug/l		Y	0.15	15
BN-9-25-MW069	M41753-1	SW8466010B	09/08/04	Nickel	1.5	ug/l	J	Y	0.61	40
BN-9-25-MW069	M41753-1	SW8466010B	09/08/04	Potassium	1050	ug/l	J	Y	31.0	5000
BN-9-25-MW069	M41753-1	SW8466010B	09/08/04	Silver	0.41	ug/l	U	Y	0.31	5.0
BN-9-25-MW069	M41753-1	SW8466010B	09/08/04	Sodium	55700	ug/l		Y	150	5000
BN-9-25-MW069	M41753-1	SW8466010B	09/08/04	Thallium		ug/l	U	N	3.0	10
BN-9-25-MW069	M41753-1	SW8466010B	09/08/04	Antimony		ug/l	U	N	1.7	6.0
BN-9-25-MW069	M41753-1	SW8466010B	09/08/04	Arsenic		ug/l	U	N	2.2	5.0
BN-9-25-MW069	M41753-1	SW8466010B	09/08/04	Barium	7.0	ug/l	J	Y	0.64	200
BN-9-25-MW069	M41753-1	SW8466010B	09/08/04	Beryllium		ug/l	U	N	0.12	4.0
BN-9-25-MW069	M41753-1	SW8466010B	09/08/04	Cadmium		ug/l	U	N	0.30	4.0
BN-9-25-MW069	M41753-1	SW8466010B	09/08/04	Chromium	0.98	ug/l	J	Y	0.26	10
BN-9-25-MW069	M41753-1	SW8466010B	09/08/04	Cobalt		ug/l	U	N	0.81	50
BN-9-25-MW069	M41753-1	SW8466010B	09/08/04	Copper	2.8	ug/l	J	Y	0.47	25
BN-9-25-MW069	M41753-1	SW8466010B	09/08/04	Vanadium	4.9	ug/l	U	Y	1.4	50
BN-9-25-MW069	M41753-1	SW8466010B	09/08/04	Zinc	4.0	ug/l	J	Y	0.75	20
BN-9-25-MW069	M41753-1	SW8466010B	09/08/04	Calcium	6020	ug/l		Y	2.3	5000
BN-9-25-MW069	M41753-1	SW8466010B	09/08/04	Selenium	1.4	ug/l	J	Y	1.2	5.0
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	4-Nitroaniline		ug/l	U	N	0.84	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	4-Nitrophenol		ug/l	UJ	N	1.2	50
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	4-Bromophenyl phenyl ether		ug/l	U	N	1.1	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	2,4-Dimethylphenol		ug/l	UJ	N	1.6	20
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	1,4-Dichlorobenzene		ug/l	U	N	2.1	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	4-Chloroaniline		ug/l	UJ	N	1.2	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	bis(2-Chloroisopropyl)ether		ug/l	U	N	0.77	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Phenol		ug/l	U	N	1.1	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	bis(2-Chloroethyl)ether		ug/l	U	N	1.7	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	bis(2-Chloroethoxy)methane		ug/l	U	N	0.80	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	bis(2-Ethylhexyl)phthalate	3.5	ug/l	J	Y	0.72	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Di-n-octyl phthalate		ug/l	UJ	N	0.69	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Anthracene		ug/l	U	N	0.74	5.0
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	1,2,4-Trichlorobenzene		ug/l	U	N	2.0	10

Data Summary Table
SDG M1753

Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	2,4-Dichlorophenol		ug/l	U	N	1.8	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	2,4-Dinitrotoluene		ug/l	U	N	2.0	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Pyrene		ug/l	U	N	0.62	5.0
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Dimethyl phthalate		ug/l	U	N	1.6	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Dibenzofuran		ug/l	U	N	1.1	5.0
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Benzo(g,h,i)perylene		ug/l	U	N	0.66	5.0
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Indeno(1,2,3-cd)pyrene		ug/l	U	N	0.55	5.0
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Benzo(b)fluoranthene		ug/l	U	N	0.63	5.0
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Fluoranthene		ug/l	U	N	0.59	5.0
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Benzo(k)fluoranthene		ug/l	U	N	1.1	5.0
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Acenaphthylene		ug/l	U	N	0.97	5.0
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Chrysene		ug/l	U	N	0.69	5.0
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	2,4-Dinitrophenol		ug/l	U	N	1.5	20
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Dibenzo(a,h)anthracene		ug/l	U	N	0.60	5.0
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	4,6-Dinitro-o-cresol		ug/l	U	N	3.2	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	1,3-Dichlorobenzene		ug/l	U	N	2.2	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Benzo(a)anthracene		ug/l	U	N	0.67	5.0
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	4-Chloro-3-methyl phenol		ug/l	U	N	1.8	20
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	2,6-Dinitrotoluene		ug/l	U	N	0.74	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	N-Nitroso-di-n-propylamine		ug/l	U	N	0.88	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Hexachloroethane		ug/l	U	N	2.3	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	4-Chlorophenyl phenyl ether		ug/l	U	N	1.3	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Hexachlorocyclopentadiene		ug/l	U	N	5.0	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Isophorone		ug/l	U	N	0.92	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Acenaphthene		ug/l	U	N	1.3	5.0
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Diethyl phthalate		ug/l	U	N	1.4	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Di-n-butyl phthalate		ug/l	U	N	1.0	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Phenanthrene		ug/l	U	N	0.88	5.0
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Butyl benzyl phthalate		ug/l	U	N	1.5	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	N-Nitrosodiphenylamine		ug/l	U	N	0.76	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Fluorene		ug/l	U	N	0.94	5.0
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Carbazole		ug/l	U	N	0.77	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Pentachlorophenol		ug/l	UJ	N	2.2	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	2,4,6-Trichlorophenol		ug/l	U	N	1.4	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	2-Nitroaniline		ug/l	U	N	1.9	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	2-Nitrophenol		ug/l	U	N	1.6	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Naphthalene		ug/l	U	N	1.2	5.0

Data Summary Table
SDG M1753

Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	2-Methylnaphthalene		ug/l	U	N	1.3	5.0
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	2-Chloronaphthalene		ug/l	U	N	1.5	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	3,3'-Dichlorobenzidine		ug/l	U	N	0.84	5.0
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	2-Methylphenol		ug/l	U	N	1.2	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	1,2-Dichlorobenzene		ug/l	U	N	2.1	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	2-Chlorophenol		ug/l	U	N	1.4	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	2,4,5-Trichlorophenol		ug/l	U	N	2.8	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	Nitrobenzene		ug/l	U	N	0.67	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	3-Nitroaniline		ug/l	U	N	0.97	10
BN-9-25-MW069	M41753-1	SW8468270C	09/08/04	3&4-Methylphenol		ug/l	UJ	N	4.7	10
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	Ethylbenzene		ug/l	U	N	0.36	1.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	Styrene		ug/l	U	N	0.38	5.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	cis-1,3-Dichloropropene		ug/l	U	N	0.42	0.50
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	trans-1,3-Dichloropropene		ug/l	U	N	1.3	0.50
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	1,2-Dichloroethane		ug/l	U	N	0.41	2.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	4-Methyl-2-pentanone (MIBK)		ug/l	UJ	N	2.0	5.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	Toluene		ug/l	U	N	0.38	1.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	Chlorobenzene		ug/l	U	N	0.38	2.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	Dibromochloromethane		ug/l	U	N	0.36	2.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	Tetrachloroethene		ug/l	U	N	0.37	2.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	Xylene (total)		ug/l	U	N	1.0	1.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	1,2-Dichloroethene (total)		ug/l	U	N	2.0	2.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	Carbon tetrachloride		ug/l	U	N	0.43	2.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	2-Hexanone		ug/l	UJ	N	1.8	5.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	Acetone	14.0	ug/l	J	Y	4.3	5.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	Chloroform		ug/l	U	N	0.66	2.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	Benzene		ug/l	U	N	0.36	0.50
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	1,1,1-Trichloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	Bromomethane		ug/l	U	N	0.65	2.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	Chloromethane		ug/l	U	N	0.55	5.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	Chloroethane		ug/l	U	N	0.96	5.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	Vinyl chloride		ug/l	U	N	0.49	2.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	Methylene chloride		ug/l	U	N	1.4	2.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	Carbon disulfide		ug/l	U	N	0.46	5.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	Bromoform		ug/l	U	N	0.45	2.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	Bromodichloromethane		ug/l	U	N	0.98	2.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	1,1-Dichloroethane		ug/l	U	N	0.42	2.0

Data Summary Table
SDG M1753

Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	1,1-Dichloroethene		ug/l	UJ	N	0.73	1.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	1,2-Dichloropropane		ug/l	U	N	0.83	2.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	2-Butanone (MEK)		ug/l	UJ	N	2.5	5.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	1,1,2-Trichloroethane		ug/l	U	N	0.61	2.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	Trichloroethene		ug/l	U	N	0.49	2.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	1,1,2,2-Tetrachloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW075	M41753-10	SW8468260B	09/08/04	Hexachlorobutadiene		ug/l	U	N	0.77	5.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	Ethylbenzene		ug/l	U	N	0.36	1.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	Styrene		ug/l	U	N	0.38	5.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	cis-1,3-Dichloropropene		ug/l	U	N	0.42	0.50
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	trans-1,3-Dichloropropene		ug/l	U	N	1.3	0.50
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	1,2-Dichloroethane		ug/l	U	N	0.41	2.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	4-Methyl-2-pentanone (MIBK)		ug/l	UJ	N	2.0	5.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	Toluene		ug/l	U	N	0.38	1.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	Chlorobenzene		ug/l	U	N	0.38	2.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	Dibromochloromethane		ug/l	U	N	0.36	2.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	Tetrachloroethene		ug/l	U	N	0.37	2.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	Xylene (total)		ug/l	U	N	1.0	1.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	1,2-Dichloroethene (total)		ug/l	U	N	2.0	2.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	Carbon tetrachloride		ug/l	U	N	0.43	2.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	2-Hexanone		ug/l	UJ	N	1.8	5.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	Acetone	17.0	ug/l	J	Y	4.3	5.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	Chloroform		ug/l	U	N	0.66	2.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	Benzene		ug/l	U	N	0.36	0.50
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	1,1,1-Trichloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	Bromomethane		ug/l	U	N	0.65	2.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	Chloromethane		ug/l	U	N	0.55	5.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	Chloroethane		ug/l	U	N	0.96	5.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	Vinyl chloride		ug/l	U	N	0.49	2.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	Methylene chloride		ug/l	U	N	1.4	2.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	Carbon disulfide		ug/l	U	N	0.46	5.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	Bromoform		ug/l	U	N	0.45	2.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	Bromodichloromethane		ug/l	U	N	0.98	2.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	1,1-Dichloroethane		ug/l	U	N	0.42	2.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	1,1-Dichloroethene		ug/l	UJ	N	0.73	1.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	1,2-Dichloropropane		ug/l	U	N	0.83	2.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	2-Butanone (MEK)		ug/l	UJ	N	2.5	5.0

Data Summary Table
SDG M1753

Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	1,1,2-Trichloroethane		ug/l	U	N	0.61	2.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	Trichloroethene		ug/l	U	N	0.49	2.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	1,1,2,2-Tetrachloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW076	M41753-11	SW8468260B	09/08/04	Hexachlorobutadiene		ug/l	U	N	0.77	5.0
BN-9-25-MW079	M41753-12	SW8467470A	09/08/04	Mercury		ug/l	U	N	0.070	0.20
BN-9-25-MW079	M41753-12	SW8466010B	09/08/04	Aluminum	166	ug/l	J	Y	8.1	200
BN-9-25-MW079	M41753-12	SW8466010B	09/08/04	Iron	21400	ug/l		Y	9.7	100
BN-9-25-MW079	M41753-12	SW8466010B	09/08/04	Lead		ug/l	U	N	1.5	3.0
BN-9-25-MW079	M41753-12	SW8466010B	09/08/04	Magnesium	1780	ug/l	J	Y	4.8	5000
BN-9-25-MW079	M41753-12	SW8466010B	09/08/04	Manganese	102	ug/l		Y	0.15	15
BN-9-25-MW079	M41753-12	SW8466010B	09/08/04	Nickel		ug/l	U	N	0.61	40
BN-9-25-MW079	M41753-12	SW8466010B	09/08/04	Potassium	2360	ug/l	J	Y	31.0	5000
BN-9-25-MW079	M41753-12	SW8466010B	09/08/04	Silver		ug/l	U	N	0.31	5.0
BN-9-25-MW079	M41753-12	SW8466010B	09/08/04	Sodium	4580	ug/l	J	Y	150	5000
BN-9-25-MW079	M41753-12	SW8466010B	09/08/04	Thallium		ug/l	U	N	3.0	10
BN-9-25-MW079	M41753-12	SW8466010B	09/08/04	Antimony		ug/l	U	N	1.7	6.0
BN-9-25-MW079	M41753-12	SW8466010B	09/08/04	Arsenic	2.8	ug/l	U	Y	2.2	5.0
BN-9-25-MW079	M41753-12	SW8466010B	09/08/04	Barium	260	ug/l		Y	0.64	200
BN-9-25-MW079	M41753-12	SW8466010B	09/08/04	Beryllium		ug/l	U	N	0.12	4.0
BN-9-25-MW079	M41753-12	SW8466010B	09/08/04	Cadmium		ug/l	U	N	0.30	4.0
BN-9-25-MW079	M41753-12	SW8466010B	09/08/04	Chromium		ug/l	U	N	0.26	10
BN-9-25-MW079	M41753-12	SW8466010B	09/08/04	Cobalt		ug/l	U	N	0.81	50
BN-9-25-MW079	M41753-12	SW8466010B	09/08/04	Copper		ug/l	U	N	0.47	25
BN-9-25-MW079	M41753-12	SW8466010B	09/08/04	Vanadium	3.0	ug/l	U	Y	1.4	50
BN-9-25-MW079	M41753-12	SW8466010B	09/08/04	Zinc	5.4	ug/l	J	Y	0.75	20
BN-9-25-MW079	M41753-12	SW8466010B	09/08/04	Calcium	27800	ug/l		Y	2.3	5000
BN-9-25-MW079	M41753-12	SW8466010B	09/08/04	Selenium	1.6	ug/l	J	Y	1.2	5.0
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	4-Nitroaniline		ug/l	U	N	0.88	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	4-Nitrophenol		ug/l	UJ	N	1.3	53
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	4-Bromophenyl phenyl ether		ug/l	U	N	1.2	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	2,4-Dimethylphenol		ug/l	U	N	1.7	21
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	1,4-Dichlorobenzene		ug/l	U	N	2.2	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	4-Chloroaniline		ug/l	UJ	N	1.3	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	bis(2-Chloroisopropyl)ether		ug/l	U	N	0.81	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Phenol		ug/l	U	N	1.2	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	bis(2-Chloroethyl)ether		ug/l	U	N	1.8	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	bis(2-Chloroethoxy)methane		ug/l	U	N	0.84	11

Data Summary Table
SDG M1753

Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	bis(2-Ethylhexyl)phthalate		ug/l	U	N	0.76	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Di-n-octyl phthalate		ug/l	UJ	N	0.73	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Anthracene		ug/l	U	N	0.78	5.3
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	1,2,4-Trichlorobenzene		ug/l	U	N	2.1	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	2,4-Dichlorophenol		ug/l	U	N	1.9	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	2,4-Dinitrotoluene		ug/l	U	N	2.1	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Pyrene	1.3	ug/l	J	Y	0.66	5.3
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Dimethyl phthalate		ug/l	U	N	1.7	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Dibenzofuran		ug/l	U	N	1.1	5.3
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Benzo(g,h,i)perylene		ug/l	U	N	0.70	5.3
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Indeno(1,2,3-cd)pyrene		ug/l	U	N	0.58	5.3
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Benzo(b)fluoranthene		ug/l	U	N	0.66	5.3
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Fluoranthene	1.2	ug/l	J	Y	0.62	5.3
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Benzo(k)fluoranthene		ug/l	U	N	1.1	5.3
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Acenaphthylene		ug/l	U	N	1.0	5.3
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Chrysene		ug/l	U	N	0.73	5.3
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	2,4-Dinitrophenol		ug/l	U	N	1.6	21
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Dibenzo(a,h)anthracene		ug/l	U	N	0.63	5.3
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	4,6-Dinitro-o-cresol		ug/l	U	N	3.4	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	1,3-Dichlorobenzene		ug/l	U	N	2.3	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Benzo(a)anthracene		ug/l	U	N	0.70	5.3
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	4-Chloro-3-methyl phenol		ug/l	U	N	1.8	21
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	2,6-Dinitrotoluene		ug/l	U	N	0.77	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	N-Nitroso-di-n-propylamine		ug/l	U	N	0.92	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Hexachloroethane		ug/l	U	N	2.4	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	4-Chlorophenyl phenyl ether		ug/l	U	N	1.4	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Hexachlorocyclopentadiene		ug/l	U	N	5.3	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Isophorone		ug/l	U	N	0.97	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Acenaphthene		ug/l	U	N	1.4	5.3
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Diethyl phthalate		ug/l	U	N	1.4	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Di-n-butyl phthalate		ug/l	U	N	1.0	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Phenanthrene		ug/l	U	N	0.93	5.3
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Butyl benzyl phthalate		ug/l	U	N	1.5	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	N-Nitrosodiphenylamine		ug/l	U	N	0.80	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Fluorene		ug/l	U	N	0.99	5.3
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Carbazole		ug/l	U	N	0.81	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Pentachlorophenol		ug/l	UJ	N	2.3	11

Data Summary Table
SDG M1753

Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	2,4,6-Trichlorophenol		ug/l	U	N	1.4	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	2-Nitroaniline		ug/l	U	N	2.0	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	2-Nitrophenol		ug/l	U	N	1.7	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Naphthalene		ug/l	U	N	1.3	5.3
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	2-Methylnaphthalene		ug/l	U	N	1.4	5.3
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	2-Chloronaphthalene		ug/l	U	N	1.6	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	3,3'-Dichlorobenzidine		ug/l	U	N	0.88	5.3
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	2-Methylphenol		ug/l	U	N	1.3	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	1,2-Dichlorobenzene		ug/l	U	N	2.2	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	2-Chlorophenol		ug/l	U	N	1.5	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	2,4,5-Trichlorophenol		ug/l	U	N	2.9	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	Nitrobenzene		ug/l	U	N	0.70	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	3-Nitroaniline		ug/l	U	N	1.0	11
BN-9-25-MW079	M41753-12	SW8468270C	09/08/04	3&4-Methylphenol		ug/l	UJ	N	4.9	11
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	Ethylbenzene		ug/l	U	N	0.36	1.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	Styrene		ug/l	U	N	0.38	5.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	cis-1,3-Dichloropropene		ug/l	U	N	0.42	0.50
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	trans-1,3-Dichloropropene		ug/l	U	N	1.3	0.50
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	1,2-Dichloroethane		ug/l	U	N	0.41	2.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	4-Methyl-2-pentanone (MIBK)		ug/l	UJ	N	2.0	5.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	Toluene		ug/l	U	N	0.38	1.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	Chlorobenzene		ug/l	U	N	0.38	2.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	Dibromochloromethane		ug/l	U	N	0.36	2.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	Tetrachloroethene		ug/l	U	N	0.37	2.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	Xylene (total)		ug/l	U	N	1.0	1.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	1,2-Dichloroethene (total)		ug/l	U	N	2.0	2.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	Carbon tetrachloride		ug/l	U	N	0.43	2.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	2-Hexanone		ug/l	UJ	N	1.8	5.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	Acetone	16.4	ug/l	J	Y	4.3	5.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	Chloroform		ug/l	U	N	0.66	2.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	Benzene	13.0	ug/l		Y	0.36	0.50
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	1,1,1-Trichloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	Bromomethane		ug/l	U	N	0.65	2.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	Chloromethane		ug/l	U	N	0.55	5.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	Chloroethane		ug/l	U	N	0.96	5.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	Vinyl chloride	2.2	ug/l		Y	0.49	2.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	Methylene chloride		ug/l	U	N	1.4	2.0

Data Summary Table
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Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	Carbon disulfide		ug/l	U	N	0.46	5.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	Bromoform		ug/l	U	N	0.45	2.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	Bromodichloromethane		ug/l	U	N	0.98	2.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	1,1-Dichloroethane		ug/l	U	N	0.42	2.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	1,1-Dichloroethene		ug/l	UJ	N	0.73	1.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	1,2-Dichloropropane		ug/l	U	N	0.83	2.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	2-Butanone (MEK)		ug/l	UJ	N	2.5	5.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	1,1,2-Trichloroethane		ug/l	U	N	0.61	2.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	Trichloroethene		ug/l	U	N	0.49	2.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	1,1,2,2-Tetrachloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW080	M41753-13	SW8468260B	09/08/04	Hexachlorobutadiene		ug/l	U	N	0.77	5.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	Ethylbenzene		ug/l	U	N	0.36	1.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	Styrene		ug/l	U	N	0.38	5.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	cis-1,3-Dichloropropene		ug/l	U	N	0.42	0.50
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	trans-1,3-Dichloropropene		ug/l	U	N	1.3	0.50
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	1,2-Dichloroethane		ug/l	U	N	0.41	2.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	4-Methyl-2-pentanone (MIBK)		ug/l	UJ	N	2.0	5.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	Toluene		ug/l	U	N	0.38	1.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	Chlorobenzene		ug/l	U	N	0.38	2.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	Dibromochloromethane		ug/l	U	N	0.36	2.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	Tetrachloroethene		ug/l	U	N	0.37	2.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	Xylene (total)		ug/l	U	N	1.0	1.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	1,2-Dichloroethene (total)		ug/l	U	N	2.0	2.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	Carbon tetrachloride		ug/l	U	N	0.43	2.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	2-Hexanone		ug/l	UJ	N	1.8	5.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	Acetone	14.6	ug/l	J	Y	4.3	5.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	Chloroform		ug/l	U	N	0.66	2.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	Benzene		ug/l	U	N	0.36	0.50
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	1,1,1-Trichloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	Bromomethane		ug/l	U	N	0.65	2.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	Chloromethane		ug/l	U	N	0.55	5.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	Chloroethane		ug/l	U	N	0.96	5.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	Vinyl chloride		ug/l	U	N	0.49	2.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	Methylene chloride		ug/l	U	N	1.4	2.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	Carbon disulfide		ug/l	U	N	0.46	5.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	Bromoform		ug/l	U	N	0.45	2.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	Bromodichloromethane		ug/l	U	N	0.98	2.0

Data Summary Table
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Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	1,1-Dichloroethane		ug/l	U	N	0.42	2.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	1,1-Dichloroethene		ug/l	UJ	N	0.73	1.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	1,2-Dichloropropane		ug/l	U	N	0.83	2.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	2-Butanone (MEK)		ug/l	UJ	N	2.5	5.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	1,1,2-Trichloroethane		ug/l	U	N	0.61	2.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	Trichloroethene		ug/l	U	N	0.49	2.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	1,1,2,2-Tetrachloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW021	M41753-14	SW8468260B	09/09/04	Hexachlorobutadiene		ug/l	U	N	0.77	5.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	Ethylbenzene		ug/l	U	N	0.36	1.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	Styrene		ug/l	U	N	0.38	5.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	cis-1,3-Dichloropropene		ug/l	U	N	0.42	0.50
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	trans-1,3-Dichloropropene		ug/l	U	N	1.3	0.50
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	1,2-Dichloroethane		ug/l	U	N	0.41	2.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	4-Methyl-2-pentanone (MIBK)		ug/l	UJ	N	2.0	5.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	Toluene		ug/l	U	N	0.38	1.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	Chlorobenzene		ug/l	U	N	0.38	2.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	Dibromochloromethane		ug/l	U	N	0.36	2.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	Tetrachloroethene		ug/l	U	N	0.37	2.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	Xylene (total)		ug/l	U	N	1.0	1.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	1,2-Dichloroethene (total)		ug/l	U	N	2.0	2.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	Carbon tetrachloride		ug/l	U	N	0.43	2.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	2-Hexanone		ug/l	UJ	N	1.8	5.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	Acetone	20.6	ug/l	J	Y	4.3	5.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	Chloroform		ug/l	U	N	0.66	2.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	Benzene		ug/l	U	N	0.36	0.50
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	1,1,1-Trichloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	Bromomethane		ug/l	U	N	0.65	2.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	Chloromethane		ug/l	U	N	0.55	5.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	Chloroethane		ug/l	U	N	0.96	5.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	Vinyl chloride		ug/l	U	N	0.49	2.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	Methylene chloride		ug/l	U	N	1.4	2.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	Carbon disulfide		ug/l	U	N	0.46	5.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	Bromoform		ug/l	U	N	0.45	2.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	Bromodichloromethane		ug/l	U	N	0.98	2.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	1,1-Dichloroethane		ug/l	U	N	0.42	2.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	1,1-Dichloroethene		ug/l	UJ	N	0.73	1.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	1,2-Dichloropropane		ug/l	U	N	0.83	2.0

Data Summary Table
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Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	2-Butanone (MEK)		ug/l	UJ	N	2.5	5.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	1,1,2-Trichloroethane		ug/l	U	N	0.61	2.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	Trichloroethene		ug/l	U	N	0.49	2.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	1,1,2,2-Tetrachloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW022	M41753-15	SW8468260B	09/09/04	Hexachlorobutadiene		ug/l	U	N	0.77	5.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	Ethylbenzene		ug/l	U	N	0.36	1.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	Styrene		ug/l	U	N	0.38	5.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	cis-1,3-Dichloropropene		ug/l	U	N	0.42	0.50
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	trans-1,3-Dichloropropene		ug/l	U	N	1.3	0.50
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	1,2-Dichloroethane		ug/l	U	N	0.41	2.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	4-Methyl-2-pentanone (MIBK)		ug/l	UJ	N	2.0	5.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	Toluene		ug/l	U	N	0.38	1.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	Chlorobenzene		ug/l	U	N	0.38	2.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	Dibromochloromethane		ug/l	U	N	0.36	2.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	Tetrachloroethene		ug/l	U	N	0.37	2.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	Xylene (total)		ug/l	U	N	1.0	1.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	1,2-Dichloroethene (total)	1.8	ug/l	J	Y	2.0	2.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	Carbon tetrachloride		ug/l	U	N	0.43	2.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	2-Hexanone		ug/l	UJ	N	1.8	5.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	Acetone	17.0	ug/l	J	Y	4.3	5.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	Chloroform		ug/l	U	N	0.66	2.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	Benzene		ug/l	U	N	0.36	0.50
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	1,1,1-Trichloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	Bromomethane		ug/l	U	N	0.65	2.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	Chloromethane		ug/l	U	N	0.55	5.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	Chloroethane		ug/l	U	N	0.96	5.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	Vinyl chloride		ug/l	U	N	0.49	2.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	Methylene chloride		ug/l	U	N	1.4	2.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	Carbon disulfide		ug/l	U	N	0.46	5.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	Bromoform		ug/l	U	N	0.45	2.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	Bromodichloromethane		ug/l	U	N	0.98	2.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	1,1-Dichloroethane		ug/l	U	N	0.42	2.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	1,1-Dichloroethene		ug/l	UJ	N	0.73	1.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	1,2-Dichloropropane		ug/l	U	N	0.83	2.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	2-Butanone (MEK)		ug/l	UJ	N	2.5	5.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	1,1,2-Trichloroethane		ug/l	U	N	0.61	2.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	Trichloroethene	1.3	ug/l	J	Y	0.49	2.0

Data Summary Table
SDG M1753

Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	1,1,2,2-Tetrachloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW0227	M41753-16	SW8468260B	09/09/04	Hexachlorobutadiene		ug/l	U	N	0.77	5.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	Ethylbenzene		ug/l	U	N	0.36	1.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	Styrene		ug/l	UJ	N	0.38	5.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	cis-1,3-Dichloropropene		ug/l	U	N	0.42	0.50
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	trans-1,3-Dichloropropene		ug/l	U	N	1.3	0.50
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	1,2-Dichloroethane		ug/l	U	N	0.41	2.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	4-Methyl-2-pentanone (MIBK)		ug/l	UJ	N	2.0	5.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	Toluene		ug/l	U	N	0.38	1.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	Chlorobenzene		ug/l	U	N	0.38	2.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	Dibromochloromethane		ug/l	U	N	0.36	2.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	Tetrachloroethene		ug/l	U	N	0.37	2.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	Xylene (total)		ug/l	U	N	1.0	1.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	1,2-Dichloroethene (total)		ug/l	U	N	2.0	2.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	Carbon tetrachloride		ug/l	U	N	0.43	2.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	2-Hexanone		ug/l	UJ	N	1.8	5.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	Acetone		ug/l	UJ	N	4.3	5.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	Chloroform		ug/l	U	N	0.66	2.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	Benzene		ug/l	U	N	0.36	0.50
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	1,1,1-Trichloroethane		ug/l	U	N	0.50	2.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	Bromomethane		ug/l	U	N	0.65	2.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	Chloromethane		ug/l	U	N	0.55	5.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	Chloroethane		ug/l	U	N	0.96	5.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	Vinyl chloride		ug/l	U	N	0.49	2.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	Methylene chloride		ug/l	U	N	1.4	2.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	Carbon disulfide		ug/l	U	N	0.46	5.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	Bromoform		ug/l	U	N	0.45	2.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	Bromodichloromethane		ug/l	U	N	0.98	2.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	1,1-Dichloroethane		ug/l	U	N	0.42	2.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	1,1-Dichloroethene		ug/l	UJ	N	0.73	1.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	1,2-Dichloropropane		ug/l	U	N	0.83	2.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	2-Butanone (MEK)		ug/l	UJ	N	2.5	5.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	1,1,2-Trichloroethane		ug/l	U	N	0.61	2.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	Trichloroethene		ug/l	U	N	0.49	2.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	1,1,2,2-Tetrachloroethane		ug/l	U	N	0.50	2.0
BN-9-25-LT901	M41753-17	SW8468260B	09/08/04	Hexachlorobutadiene		ug/l	U	N	0.77	5.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	Ethylbenzene		ug/l	U	N	0.36	1.0

Data Summary Table
SDG M1753

Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	Styrene		ug/l	U	N	0.38	5.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	cis-1,3-Dichloropropene		ug/l	U	N	0.42	0.50
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	trans-1,3-Dichloropropene		ug/l	U	N	1.3	0.50
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	1,2-Dichloroethane		ug/l	U	N	0.41	2.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	4-Methyl-2-pentanone (MIBK)		ug/l	UJ	N	2.0	5.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	Toluene		ug/l	U	N	0.38	1.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	Chlorobenzene		ug/l	U	N	0.38	2.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	Dibromochloromethane		ug/l	U	N	0.36	2.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	Tetrachloroethene		ug/l	U	N	0.37	2.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	Xylene (total)		ug/l	U	N	1.0	1.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	1,2-Dichloroethene (total)		ug/l	U	N	2.0	2.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	Carbon tetrachloride		ug/l	U	N	0.43	2.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	2-Hexanone		ug/l	UJ	N	1.8	5.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	Acetone		ug/l	UJ	N	4.3	5.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	Chloroform		ug/l	U	N	0.66	2.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	Benzene		ug/l	U	N	0.36	0.50
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	1,1,1-Trichloroethane		ug/l	U	N	0.50	2.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	Bromomethane		ug/l	U	N	0.65	2.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	Chloromethane		ug/l	U	N	0.55	5.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	Chloroethane		ug/l	U	N	0.96	5.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	Vinyl chloride		ug/l	U	N	0.49	2.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	Methylene chloride		ug/l	U	N	1.4	2.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	Carbon disulfide		ug/l	U	N	0.46	5.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	Bromoform		ug/l	U	N	0.45	2.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	Bromodichloromethane		ug/l	U	N	0.98	2.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	1,1-Dichloroethane		ug/l	U	N	0.42	2.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	1,1-Dichloroethene		ug/l	UJ	N	0.73	1.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	1,2-Dichloropropane		ug/l	U	N	0.83	2.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	2-Butanone (MEK)		ug/l	UJ	N	2.5	5.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	1,1,2-Trichloroethane		ug/l	U	N	0.61	2.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	Trichloroethene		ug/l	U	N	0.49	2.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	1,1,2,2-Tetrachloroethane		ug/l	U	N	0.50	2.0
BN-9-25-LT-XD4	M41753-18	SW8468260B	09/08/04	Hexachlorobutadiene		ug/l	U	N	0.77	5.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	Ethylbenzene		ug/l	U	N	0.36	1.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	Styrene		ug/l	U	N	0.38	5.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	cis-1,3-Dichloropropene		ug/l	U	N	0.42	0.50
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	trans-1,3-Dichloropropene		ug/l	U	N	1.3	0.50

Data Summary Table
SDG M1753

Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	1,2-Dichloroethane		ug/l	U	N	0.41	2.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	4-Methyl-2-pentanone (MIBK)		ug/l	UJ	N	2.0	5.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	Toluene		ug/l	U	N	0.38	1.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	Chlorobenzene		ug/l	U	N	0.38	2.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	Dibromochloromethane		ug/l	U	N	0.36	2.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	Tetrachloroethene		ug/l	U	N	0.37	2.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	Xylene (total)		ug/l	U	N	1.0	1.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	1,2-Dichloroethene (total)		ug/l	U	N	2.0	2.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	Carbon tetrachloride		ug/l	U	N	0.43	2.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	2-Hexanone		ug/l	UJ	N	1.8	5.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	Acetone		ug/l	UJ	N	4.3	5.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	Chloroform		ug/l	U	N	0.66	2.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	Benzene		ug/l	U	N	0.36	0.50
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	1,1,1-Trichloroethane		ug/l	U	N	0.50	2.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	Bromomethane		ug/l	U	N	0.65	2.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	Chloromethane		ug/l	U	N	0.55	5.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	Chloroethane		ug/l	U	N	0.96	5.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	Vinyl chloride		ug/l	U	N	0.49	2.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	Methylene chloride		ug/l	U	N	1.4	2.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	Carbon disulfide		ug/l	U	N	0.46	5.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	Bromoform		ug/l	U	N	0.45	2.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	Bromodichloromethane		ug/l	U	N	0.98	2.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	1,1-Dichloroethane		ug/l	U	N	0.42	2.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	1,1-Dichloroethene		ug/l	UJ	N	0.73	1.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	1,2-Dichloropropane		ug/l	U	N	0.83	2.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	2-Butanone (MEK)		ug/l	UJ	N	2.5	5.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	1,1,2-Trichloroethane		ug/l	U	N	0.61	2.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	Trichloroethene		ug/l	U	N	0.49	2.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	1,1,2,2-Tetrachloroethane		ug/l	U	N	0.50	2.0
BN-9-25-SW010	M41753-19	SW8468260B	09/08/04	Hexachlorobutadiene		ug/l	U	N	0.77	5.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	Ethylbenzene		ug/l	U	N	0.36	1.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	Styrene		ug/l	U	N	0.38	5.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	cis-1,3-Dichloropropene		ug/l	U	N	0.42	0.50
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	trans-1,3-Dichloropropene		ug/l	U	N	1.3	0.50
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	1,2-Dichloroethane		ug/l	U	N	0.41	2.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	4-Methyl-2-pentanone (MIBK)		ug/l	UJ	N	2.0	5.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	Toluene		ug/l	U	N	0.38	1.0

Data Summary Table
SDG M1753

Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	Chlorobenzene		ug/l	U	N	0.38	2.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	Dibromochloromethane		ug/l	U	N	0.36	2.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	Tetrachloroethene		ug/l	U	N	0.37	2.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	Xylene (total)		ug/l	U	N	1.0	1.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	1,2-Dichloroethene (total)	22.6	ug/l		Y	2.0	2.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	Carbon tetrachloride		ug/l	U	N	0.43	2.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	2-Hexanone		ug/l	UJ	N	1.8	5.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	Acetone	18.0	ug/l	J	Y	4.3	5.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	Chloroform		ug/l	U	N	0.66	2.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	Benzene		ug/l	U	N	0.36	0.50
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	1,1,1-Trichloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	Bromomethane		ug/l	U	N	0.65	2.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	Chloromethane		ug/l	U	N	0.55	5.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	Chloroethane		ug/l	U	N	0.96	5.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	Vinyl chloride	40.5	ug/l		Y	0.49	2.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	Methylene chloride		ug/l	U	N	1.4	2.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	Carbon disulfide		ug/l	U	N	0.46	5.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	Bromoform		ug/l	U	N	0.45	2.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	Bromodichloromethane		ug/l	U	N	0.98	2.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	1,1-Dichloroethane		ug/l	U	N	0.42	2.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	1,1-Dichloroethene		ug/l	UJ	N	0.73	1.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	1,2-Dichloropropane		ug/l	U	N	0.83	2.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	2-Butanone (MEK)		ug/l	UJ	N	2.5	5.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	1,1,2-Trichloroethane		ug/l	U	N	0.61	2.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	Trichloroethene		ug/l	U	N	0.49	2.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	1,1,2,2-Tetrachloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW069S	M41753-2	SW8468260B	09/08/04	Hexachlorobutadiene		ug/l	U	N	0.77	5.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	Ethylbenzene		ug/l	U	N	0.36	1.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	Styrene		ug/l	U	N	0.38	5.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	cis-1,3-Dichloropropene		ug/l	U	N	0.42	0.50
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	trans-1,3-Dichloropropene		ug/l	U	N	1.3	0.50
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	1,2-Dichloroethane		ug/l	U	N	0.41	2.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	4-Methyl-2-pentanone (MIBK)		ug/l	UJ	N	2.0	5.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	Toluene		ug/l	U	N	0.38	1.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	Chlorobenzene		ug/l	U	N	0.38	2.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	Dibromochloromethane		ug/l	U	N	0.36	2.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	Tetrachloroethene		ug/l	U	N	0.37	2.0

Data Summary Table
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Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	Xylene (total)		ug/l	U	N	1.0	1.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	1,2-Dichloroethene (total)		ug/l	U	N	2.0	2.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	Carbon tetrachloride		ug/l	U	N	0.43	2.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	2-Hexanone		ug/l	UJ	N	1.8	5.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	Acetone		ug/l	UJ	N	4.3	5.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	Chloroform		ug/l	U	N	0.66	2.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	Benzene		ug/l	U	N	0.36	0.50
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	1,1,1-Trichloroethane		ug/l	U	N	0.50	2.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	Bromomethane		ug/l	U	N	0.65	2.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	Chloromethane		ug/l	U	N	0.55	5.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	Chloroethane		ug/l	U	N	0.96	5.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	Vinyl chloride		ug/l	U	N	0.49	2.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	Methylene chloride		ug/l	U	N	1.4	2.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	Carbon disulfide		ug/l	U	N	0.46	5.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	Bromoform		ug/l	U	N	0.45	2.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	Bromodichloromethane		ug/l	U	N	0.98	2.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	1,1-Dichloroethane		ug/l	U	N	0.42	2.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	1,1-Dichloroethene		ug/l	UJ	N	0.73	1.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	1,2-Dichloropropane		ug/l	U	N	0.83	2.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	2-Butanone (MEK)		ug/l	UJ	N	2.5	5.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	1,1,2-Trichloroethane		ug/l	U	N	0.61	2.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	Trichloroethene		ug/l	U	N	0.49	2.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	1,1,2,2-Tetrachloroethane		ug/l	U	N	0.50	2.0
BN-9-25-SW-XD5	M41753-20	SW8468260B	09/08/04	Hexachlorobutadiene		ug/l	U	N	0.77	5.0
BN-9-25-SED010	M41753-21	EPA1603M	09/08/04	Solids, Percent	59.4	%		Y		
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	Ethylbenzene		ug/kg	UJ	N	0.22	1.4
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	Styrene		ug/kg	UJ	N	0.078	3.5
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	cis-1,3-Dichloropropene		ug/kg	UJ	N	0.17	1.4
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	trans-1,3-Dichloropropene		ug/kg	UJ	N	0.23	1.4
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	1,4-Dichlorobenzene		ug/kg	UJ	N	0.38	1.4
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	1,2-Dichloroethane		ug/kg	UJ	N	0.17	1.4
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	4-Methyl-2-pentanone (MIBK)		ug/kg	UJ	N	0.61	3.5
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	Toluene		ug/kg	UJ	N	0.22	1.4
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	Chlorobenzene		ug/kg	UJ	N	0.26	1.4
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	Dibromochloromethane		ug/kg	UJ	N	0.28	1.4
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	Tetrachloroethene		ug/kg	UJ	N	0.46	1.4
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	Xylene (total)		ug/kg	UJ	N	1.4	1.4

Data Summary Table
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Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	1,2-Dichloroethene (total)		ug/kg	UJ	N	1.4	1.4
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	1,3-Dichlorobenzene		ug/kg	UJ	N	0.29	1.4
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	Carbon tetrachloride		ug/kg	UJ	N	0.17	1.4
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	2-Hexanone		ug/kg	UJ	N	0.32	3.5
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	Acetone	26.1	ug/kg	U	Y	2.1	3.5
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	Chloroform		ug/kg	UJ	N	0.30	1.4
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	Benzene		ug/kg	UJ	N	0.16	0.35
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	1,1,1-Trichloroethane		ug/kg	UJ	N	0.29	1.4
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	Bromomethane		ug/kg	UJ	N	0.23	1.4
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	Chloromethane		ug/kg	UJ	N	0.17	3.5
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	Chloroethane		ug/kg	UJ	N	0.42	3.5
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	Vinyl chloride		ug/kg	UJ	N	0.39	1.4
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	Methylene chloride		ug/kg	UJ	N	0.52	1.4
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	Carbon disulfide		ug/kg	UJ	N	0.18	3.5
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	Bromoform		ug/kg	UJ	N	0.60	1.4
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	Bromodichloromethane		ug/kg	UJ	N	0.23	1.4
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	1,1-Dichloroethane		ug/kg	UJ	N	0.19	1.4
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	1,1-Dichloroethene		ug/kg	UJ	N	0.64	1.4
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	1,2-Dichloropropane		ug/kg	UJ	N	0.30	1.4
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	2-Butanone (MEK)		ug/kg	UJ	N	1.8	3.5
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	1,1,2-Trichloroethane		ug/kg	UJ	N	0.20	1.4
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	Trichloroethene		ug/kg	UJ	N	0.26	1.4
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	1,1,2,2-Tetrachloroethane		ug/kg	UJ	N	0.40	1.4
BN-9-25-SED010	M41753-21	SW8468260B	09/08/04	1,2-Dichlorobenzene		ug/kg	UJ	N	0.18	1.4
BN-9-25-SED-XD6	M41753-22	EPA1603M	09/08/04	Solids, Percent	56.1	%		Y		
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	Ethylbenzene		ug/kg	U	N	0.20	1.3
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	Styrene		ug/kg	U	N	0.072	3.2
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	cis-1,3-Dichloropropene		ug/kg	U	N	0.16	1.3
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	trans-1,3-Dichloropropene		ug/kg	U	N	0.21	1.3
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	1,4-Dichlorobenzene		ug/kg	U	N	0.35	1.3
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	1,2-Dichloroethane		ug/kg	U	N	0.16	1.3
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	4-Methyl-2-pentanone (MIBK)		ug/kg	U	N	0.56	3.2
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	Toluene		ug/kg	U	N	0.20	1.3
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	Chlorobenzene		ug/kg	U	N	0.24	1.3
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	Dibromochloromethane		ug/kg	U	N	0.26	1.3
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	Tetrachloroethene		ug/kg	U	N	0.42	1.3
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	Xylene (total)		ug/kg	U	N	1.3	1.3

Data Summary Table
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Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	1,2-Dichloroethene (total)		ug/kg	U	N	1.3	1.3
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	1,3-Dichlorobenzene		ug/kg	U	N	0.26	1.3
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	Carbon tetrachloride		ug/kg	U	N	0.16	1.3
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	2-Hexanone		ug/kg	U	N	0.29	3.2
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	Acetone	25.1	ug/kg	U	Y	2.0	3.2
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	Chloroform		ug/kg	U	N	0.28	1.3
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	Benzene		ug/kg	U	N	0.14	0.32
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	1,1,1-Trichloroethane		ug/kg	U	N	0.27	1.3
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	Bromomethane		ug/kg	U	N	0.21	1.3
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	Chloromethane		ug/kg	U	N	0.16	3.2
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	Chloroethane		ug/kg	U	N	0.39	3.2
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	Vinyl chloride		ug/kg	U	N	0.36	1.3
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	Methylene chloride		ug/kg	U	N	0.48	1.3
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	Carbon disulfide		ug/kg	U	N	0.17	3.2
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	Bromoform		ug/kg	U	N	0.55	1.3
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	Bromodichloromethane		ug/kg	U	N	0.21	1.3
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	1,1-Dichloroethane		ug/kg	U	N	0.17	1.3
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	1,1-Dichloroethene		ug/kg	U	N	0.59	1.3
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	1,2-Dichloropropane		ug/kg	U	N	0.28	1.3
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	2-Butanone (MEK)		ug/kg	U	N	1.7	3.2
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	1,1,2-Trichloroethane		ug/kg	U	N	0.19	1.3
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	Trichloroethene		ug/kg	U	N	0.24	1.3
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	1,1,2,2-Tetrachloroethane		ug/kg	U	N	0.36	1.3
BN-9-25-SED-XD6	M41753-22	SW8468260B	09/08/04	1,2-Dichlorobenzene		ug/kg	U	N	0.17	1.3
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	Ethylbenzene		ug/kg	U	N	0.32	2.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	Styrene		ug/kg	U	N	0.11	5.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	cis-1,3-Dichloropropene		ug/kg	U	N	0.25	2.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	trans-1,3-Dichloropropene		ug/kg	U	N	0.33	2.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	1,2-Dichloroethane		ug/kg	U	N	0.24	2.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	4-Methyl-2-pentanone (MIBK)		ug/kg	U	N	0.89	5.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	Toluene		ug/kg	U	N	0.31	2.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	Chlorobenzene		ug/kg	U	N	0.37	2.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	Dibromochloromethane		ug/kg	U	N	0.40	2.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	Tetrachloroethene		ug/kg	U	N	0.66	2.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	Xylene (total)		ug/kg	U	N	2.0	2.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	cis-1,2-Dichloroethene		ug/kg	U	N	0.60	2.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	trans-1,2-Dichloroethene		ug/kg	U	N	0.63	2.0

Data Summary Table
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Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	Carbon tetrachloride		ug/kg	U	N	0.25	2.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	2-Hexanone		ug/kg	U	N	0.46	5.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	Acetone	33.4	ug/kg		Y	3.1	5.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	Chloroform		ug/kg	U	N	0.44	2.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	Benzene		ug/kg	U	N	0.23	0.50
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	1,1,1-Trichloroethane		ug/kg	U	N	0.42	2.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	Bromomethane		ug/kg	U	N	0.34	2.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	Chloromethane		ug/kg	U	N	0.25	5.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	Chloroethane		ug/kg	U	N	0.61	5.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	Vinyl chloride		ug/kg	U	N	0.56	2.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	Methylene chloride	2.8	ug/kg		Y	0.75	2.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	Carbon disulfide		ug/kg	U	N	0.26	5.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	Bromoform		ug/kg	U	N	0.87	2.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	Bromodichloromethane		ug/kg	U	N	0.33	2.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	1,1-Dichloroethane		ug/kg	U	N	0.27	2.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	1,1-Dichloroethene		ug/kg	U	N	0.93	2.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	1,2-Dichloropropane		ug/kg	U	N	0.43	2.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	2-Butanone (MEK)		ug/kg	U	N	2.6	5.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	1,1,2-Trichloroethane		ug/kg	U	N	0.30	2.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	Trichloroethene		ug/kg	U	N	0.38	2.0
BN-9-25-QT1	M41753-23	SW8468260B	09/08/04	1,1,2,2-Tetrachloroethane		ug/kg	U	N	0.57	2.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	Ethylbenzene		ug/l	U	N	0.36	1.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	Styrene		ug/l	U	N	0.38	5.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	cis-1,3-Dichloropropene		ug/l	U	N	0.42	0.50
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	trans-1,3-Dichloropropene		ug/l	U	N	1.3	0.50
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	1,2-Dichloroethane		ug/l	U	N	0.41	2.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	4-Methyl-2-pentanone (MIBK)		ug/l	U	N	2.0	5.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	Toluene		ug/l	U	N	0.38	1.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	Chlorobenzene		ug/l	U	N	0.38	2.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	Dibromochloromethane		ug/l	U	N	0.36	2.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	Tetrachloroethene		ug/l	U	N	0.37	2.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	Xylene (total)		ug/l	U	N	1.0	1.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	1,2-Dichloroethene (total)		ug/l	U	N	2.0	2.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	Carbon tetrachloride		ug/l	U	N	0.43	2.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	2-Hexanone		ug/l	U	N	1.8	5.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	Acetone		ug/l	U	N	4.3	5.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	Chloroform		ug/l	U	N	0.66	2.0

Data Summary Table
SDG M1753

Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	Benzene		ug/l	U	N	0.36	0.50
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	1,1,1-Trichloroethane		ug/l	U	N	0.50	2.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	Bromomethane		ug/l	U	N	0.65	2.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	Chloromethane		ug/l	U	N	0.55	5.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	Chloroethane		ug/l	U	N	0.96	5.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	Vinyl chloride		ug/l	U	N	0.49	2.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	Methylene chloride		ug/l	U	N	1.4	2.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	Carbon disulfide		ug/l	U	N	0.46	5.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	Bromoform		ug/l	U	N	0.45	2.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	Bromodichloromethane		ug/l	U	N	0.98	2.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	1,1-Dichloroethane		ug/l	U	N	0.42	2.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	1,1-Dichloroethene		ug/l	U	N	0.73	1.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	1,2-Dichloropropane		ug/l	U	N	0.83	2.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	2-Butanone (MEK)		ug/l	U	N	2.5	5.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	1,1,2-Trichloroethane		ug/l	U	N	0.61	2.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	Trichloroethene		ug/l	U	N	0.49	2.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	1,1,2,2-Tetrachloroethane		ug/l	U	N	0.50	2.0
BN-9-25-QT1	M41753-23A	SW8468260B	09/08/04	Hexachlorobutadiene		ug/l	U	N	0.77	5.0
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	Ethylbenzene		ug/kg	U	N	16	100
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	Styrene		ug/kg	U	N	5.7	250
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	cis-1,3-Dichloropropene		ug/kg	U	N	13	100
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	trans-1,3-Dichloropropene		ug/kg	U	N	16	100
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	1,2-Dichloroethane		ug/kg	U	N	12	100
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	4-Methyl-2-pentanone (MIBK)		ug/kg	U	N	44	250
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	Toluene		ug/kg	U	N	16	100
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	Chlorobenzene		ug/kg	U	N	19	100
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	Dibromochloromethane		ug/kg	U	N	20	100
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	Tetrachloroethene		ug/kg	U	N	33	100
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	Xylene (total)		ug/kg	U	N	100	100
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	cis-1,2-Dichloroethene		ug/kg	U	N	30	100
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	trans-1,2-Dichloroethene		ug/kg	U	N	32	100
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	Carbon tetrachloride		ug/kg	U	N	12	100
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	2-Hexanone		ug/kg	U	N	23	250
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	Acetone		ug/kg	U	N	150	250
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	Chloroform		ug/kg	U	N	22	100
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	Benzene		ug/kg	U	N	11	25
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	1,1,1-Trichloroethane		ug/kg	U	N	21	100

Data Summary Table
SDG M1753

Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	Bromomethane		ug/kg	U	N	17	100
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	Chloromethane		ug/kg	U	N	12	250
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	Chloroethane		ug/kg	U	N	30	250
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	Vinyl chloride		ug/kg	U	N	28	100
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	Methylene chloride		ug/kg	U	N	37	100
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	Carbon disulfide		ug/kg	U	N	13	250
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	Bromoform		ug/kg	U	N	43	100
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	Bromodichloromethane		ug/kg	U	N	17	100
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	1,1-Dichloroethane		ug/kg	U	N	14	100
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	1,1-Dichloroethene		ug/kg	U	N	47	100
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	1,2-Dichloropropane		ug/kg	U	N	22	100
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	2-Butanone (MEK)		ug/kg	U	N	130	250
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	1,1,2-Trichloroethane		ug/kg	U	N	15	100
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	Trichloroethene		ug/kg	U	N	19	100
BN-9-25-QT1	M41753-23B	SW8468260B	09/08/04	1,1,2,2-Tetrachloroethane		ug/kg	U	N	29	100
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	Ethylbenzene		ug/l	U	N	0.36	1.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	Styrene		ug/l	U	N	0.38	5.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	cis-1,3-Dichloropropene		ug/l	U	N	0.42	0.50
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	trans-1,3-Dichloropropene		ug/l	U	N	1.3	0.50
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	1,2-Dichloroethane		ug/l	U	N	0.41	2.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	4-Methyl-2-pentanone (MIBK)		ug/l	UJ	N	2.0	5.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	Toluene		ug/l	U	N	0.38	1.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	Chlorobenzene		ug/l	U	N	0.38	2.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	Dibromochloromethane		ug/l	U	N	0.36	2.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	Tetrachloroethene		ug/l	U	N	0.37	2.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	Xylene (total)		ug/l	U	N	1.0	1.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	1,2-Dichloroethene (total)	32.6	ug/l		Y	2.0	2.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	Carbon tetrachloride		ug/l	U	N	0.43	2.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	2-Hexanone		ug/l	UJ	N	1.8	5.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	Acetone	18.0	ug/l	J	Y	4.3	5.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	Chloroform		ug/l	U	N	0.66	2.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	Benzene		ug/l	U	N	0.36	0.50
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	1,1,1-Trichloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	Bromomethane		ug/l	U	N	0.65	2.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	Chloromethane		ug/l	U	N	0.55	5.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	Chloroethane		ug/l	U	N	0.96	5.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	Vinyl chloride	71.4	ug/l		Y	0.49	2.0

Data Summary Table
SDG M1753

Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	Methylene chloride		ug/l	U	N	1.4	2.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	Carbon disulfide		ug/l	U	N	0.46	5.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	Bromoform		ug/l	U	N	0.45	2.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	Bromodichloromethane		ug/l	U	N	0.98	2.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	1,1-Dichloroethane		ug/l	U	N	0.42	2.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	1,1-Dichloroethene		ug/l	UJ	N	0.73	1.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	1,2-Dichloropropane		ug/l	U	N	0.83	2.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	2-Butanone (MEK)		ug/l	UJ	N	2.5	5.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	1,1,2-Trichloroethane		ug/l	U	N	0.61	2.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	Trichloroethene		ug/l	U	N	0.49	2.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	1,1,2,2-Tetrachloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW069D	M41753-3	SW8468260B	09/08/04	Hexachlorobutadiene		ug/l	U	N	0.77	5.0
BN-9-25-MW-XD2	M41753-4	SW8467470A	09/08/04	Mercury		ug/l	U	N	0.070	0.20
BN-9-25-MW-XD2	M41753-4	SW8466010B	09/08/04	Aluminum	179	ug/l	J	Y	8.1	200
BN-9-25-MW-XD2	M41753-4	SW8466010B	09/08/04	Iron	376	ug/l		Y	9.7	100
BN-9-25-MW-XD2	M41753-4	SW8466010B	09/08/04	Lead		ug/l	U	N	1.5	3.0
BN-9-25-MW-XD2	M41753-4	SW8466010B	09/08/04	Magnesium	2610	ug/l	J	Y	4.8	5000
BN-9-25-MW-XD2	M41753-4	SW8466010B	09/08/04	Manganese	363	ug/l		Y	0.15	15
BN-9-25-MW-XD2	M41753-4	SW8466010B	09/08/04	Nickel	1.0	ug/l	J	Y	0.61	40
BN-9-25-MW-XD2	M41753-4	SW8466010B	09/08/04	Potassium	1010	ug/l	J	Y	31.0	5000
BN-9-25-MW-XD2	M41753-4	SW8466010B	09/08/04	Silver		ug/l	U	N	0.31	5.0
BN-9-25-MW-XD2	M41753-4	SW8466010B	09/08/04	Sodium	55200	ug/l		Y	150	5000
BN-9-25-MW-XD2	M41753-4	SW8466010B	09/08/04	Thallium		ug/l	U	N	3.0	10
BN-9-25-MW-XD2	M41753-4	SW8466010B	09/08/04	Antimony		ug/l	U	N	1.7	6.0
BN-9-25-MW-XD2	M41753-4	SW8466010B	09/08/04	Arsenic		ug/l	U	N	2.2	5.0
BN-9-25-MW-XD2	M41753-4	SW8466010B	09/08/04	Barium	7.2	ug/l	J	Y	0.64	200
BN-9-25-MW-XD2	M41753-4	SW8466010B	09/08/04	Beryllium		ug/l	U	N	0.12	4.0
BN-9-25-MW-XD2	M41753-4	SW8466010B	09/08/04	Cadmium		ug/l	U	N	0.30	4.0
BN-9-25-MW-XD2	M41753-4	SW8466010B	09/08/04	Chromium	0.35	ug/l	J	Y	0.26	10
BN-9-25-MW-XD2	M41753-4	SW8466010B	09/08/04	Cobalt		ug/l	U	N	0.81	50
BN-9-25-MW-XD2	M41753-4	SW8466010B	09/08/04	Copper	2.1	ug/l	U	Y	0.47	25
BN-9-25-MW-XD2	M41753-4	SW8466010B	09/08/04	Vanadium	4.6	ug/l	U	Y	1.4	50
BN-9-25-MW-XD2	M41753-4	SW8466010B	09/08/04	Zinc	59.4	ug/l	J	Y	0.75	20
BN-9-25-MW-XD2	M41753-4	SW8466010B	09/08/04	Calcium	5890	ug/l		Y	2.3	5000
BN-9-25-MW-XD2	M41753-4	SW8466010B	09/08/04	Selenium		ug/l	U	N	1.2	5.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	Ethylbenzene		ug/l	U	N	0.36	1.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	Styrene		ug/l	U	N	0.38	5.0

Data Summary Table
SDG M1753

Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	cis-1,3-Dichloropropene		ug/l	U	N	0.42	0.50
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	trans-1,3-Dichloropropene		ug/l	U	N	1.3	0.50
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	1,2-Dichloroethane		ug/l	U	N	0.41	2.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	4-Methyl-2-pentanone (MIBK)		ug/l	UJ	N	2.0	5.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	Toluene		ug/l	U	N	0.38	1.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	Chlorobenzene		ug/l	U	N	0.38	2.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	Dibromochloromethane		ug/l	U	N	0.36	2.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	Tetrachloroethene		ug/l	U	N	0.37	2.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	Xylene (total)		ug/l	U	N	1.0	1.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	1,2-Dichloroethene (total)	23.3	ug/l		Y	2.0	2.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	Carbon tetrachloride		ug/l	U	N	0.43	2.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	2-Hexanone		ug/l	UJ	N	1.8	5.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	Acetone	16.1	ug/l	J	Y	4.3	5.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	Chloroform		ug/l	U	N	0.66	2.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	Benzene		ug/l	U	N	0.36	0.50
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	1,1,1-Trichloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	Bromomethane		ug/l	U	N	0.65	2.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	Chloromethane		ug/l	U	N	0.55	5.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	Chloroethane		ug/l	U	N	0.96	5.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	Vinyl chloride	42.8	ug/l		Y	0.49	2.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	Methylene chloride		ug/l	U	N	1.4	2.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	Carbon disulfide		ug/l	U	N	0.46	5.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	Bromoform		ug/l	U	N	0.45	2.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	Bromodichloromethane		ug/l	U	N	0.98	2.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	1,1-Dichloroethane		ug/l	U	N	0.42	2.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	1,1-Dichloroethene		ug/l	UJ	N	0.73	1.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	1,2-Dichloropropane		ug/l	U	N	0.83	2.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	2-Butanone (MEK)		ug/l	UJ	N	2.5	5.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	1,1,2-Trichloroethane		ug/l	U	N	0.61	2.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	Trichloroethene		ug/l	U	N	0.49	2.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	1,1,2,2-Tetrachloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW-XD2	M41753-4	SW8468260B	09/08/04	Hexachlorobutadiene		ug/l	U	N	0.77	5.0
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	4-Nitroaniline		ug/l	U	N	0.93	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	4-Nitrophenol		ug/l	UJ	N	1.4	56
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	4-Bromophenyl phenyl ether		ug/l	U	N	1.3	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	2,4-Dimethylphenol		ug/l	U	N	1.8	22
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	1,4-Dichlorobenzene		ug/l	U	N	2.3	11

Data Summary Table
SDG M1753

Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	4-Chloroaniline		ug/l	UJ	N	1.4	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	bis(2-Chloroisopropyl)ether		ug/l	U	N	0.85	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Phenol		ug/l	U	N	1.3	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	bis(2-Chloroethyl)ether		ug/l	U	N	1.9	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	bis(2-Chloroethoxy)methane		ug/l	U	N	0.89	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	bis(2-Ethylhexyl)phthalate	3.8	ug/l	J	Y	0.80	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Di-n-octyl phthalate		ug/l	UJ	N	0.77	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Anthracene		ug/l	U	N	0.83	5.6
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	1,2,4-Trichlorobenzene		ug/l	U	N	2.2	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	2,4-Dichlorophenol		ug/l	U	N	2.0	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	2,4-Dinitrotoluene		ug/l	U	N	2.2	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Pyrene		ug/l	U	N	0.69	5.6
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Dimethyl phthalate		ug/l	U	N	1.8	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Dibenzofuran		ug/l	U	N	1.2	5.6
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Benzo(g,h,i)perylene		ug/l	U	N	0.73	5.6
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Indeno(1,2,3-cd)pyrene		ug/l	U	N	0.61	5.6
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Benzo(b)fluoranthene		ug/l	U	N	0.70	5.6
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Fluoranthene		ug/l	U	N	0.66	5.6
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Benzo(k)fluoranthene		ug/l	U	N	1.2	5.6
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Acenaphthylene		ug/l	U	N	1.1	5.6
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Chrysene		ug/l	U	N	0.77	5.6
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	2,4-Dinitrophenol		ug/l	U	N	1.7	22
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Dibenzo(a,h)anthracene		ug/l	U	N	0.67	5.6
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	4,6-Dinitro-o-cresol		ug/l	U	N	3.5	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	1,3-Dichlorobenzene		ug/l	U	N	2.4	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Benzo(a)anthracene		ug/l	U	N	0.74	5.6
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	4-Chloro-3-methyl phenol		ug/l	U	N	1.9	22
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	2,6-Dinitrotoluene		ug/l	U	N	0.82	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	N-Nitroso-di-n-propylamine		ug/l	U	N	0.97	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Hexachloroethane		ug/l	U	N	2.6	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	4-Chlorophenyl phenyl ether		ug/l	U	N	1.4	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Hexachlorocyclopentadiene		ug/l	U	N	5.6	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Isophorone		ug/l	U	N	1.0	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Acenaphthene		ug/l	U	N	1.4	5.6
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Diethyl phthalate		ug/l	U	N	1.5	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Di-n-butyl phthalate		ug/l	U	N	1.1	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Phenanthrene		ug/l	U	N	0.98	5.6

Data Summary Table
SDG M1753

Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Butyl benzyl phthalate		ug/l	U	N	1.6	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	N-Nitrosodiphenylamine		ug/l	U	N	0.84	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Fluorene		ug/l	U	N	1.0	5.6
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Carbazole		ug/l	U	N	0.86	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Pentachlorophenol		ug/l	UJ	N	2.5	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	2,4,6-Trichlorophenol		ug/l	U	N	1.5	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	2-Nitroaniline		ug/l	U	N	2.1	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	2-Nitrophenol		ug/l	U	N	1.8	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Naphthalene		ug/l	U	N	1.3	5.6
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	2-Methylnaphthalene		ug/l	U	N	1.5	5.6
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	2-Chloronaphthalene		ug/l	U	N	1.7	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	3,3'-Dichlorobenzidine		ug/l	U	N	0.93	5.6
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	2-Methylphenol		ug/l	U	N	1.3	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	1,2-Dichlorobenzene		ug/l	U	N	2.3	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	2-Chlorophenol		ug/l	U	N	1.6	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	2,4,5-Trichlorophenol		ug/l	U	N	3.1	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	Nitrobenzene		ug/l	U	N	0.74	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	3-Nitroaniline		ug/l	U	N	1.1	11
BN-9-25-MW-XD2	M41753-4	SW8468270C	09/08/04	3&4-Methylphenol		ug/l	UJ	N	5.2	11
BN-9-25-MW070	M41753-5	SW8467470A	09/09/04	Mercury		ug/l	U	N	0.070	0.20
BN-9-25-MW070	M41753-5	SW8466010B	09/09/04	Aluminum	170	ug/l	J	Y	8.1	200
BN-9-25-MW070	M41753-5	SW8466010B	09/09/04	Iron	153	ug/l		Y	9.7	100
BN-9-25-MW070	M41753-5	SW8466010B	09/09/04	Lead		ug/l	U	N	1.5	3.0
BN-9-25-MW070	M41753-5	SW8466010B	09/09/04	Magnesium	1210	ug/l	J	Y	4.8	5000
BN-9-25-MW070	M41753-5	SW8466010B	09/09/04	Manganese	523	ug/l		Y	0.15	15
BN-9-25-MW070	M41753-5	SW8466010B	09/09/04	Nickel	3.4	ug/l	J	Y	0.61	40
BN-9-25-MW070	M41753-5	SW8466010B	09/09/04	Potassium	422	ug/l	J	Y	31.0	5000
BN-9-25-MW070	M41753-5	SW8466010B	09/09/04	Silver		ug/l	U	N	0.31	5.0
BN-9-25-MW070	M41753-5	SW8466010B	09/09/04	Sodium	9670	ug/l		Y	150	5000
BN-9-25-MW070	M41753-5	SW8466010B	09/09/04	Thallium		ug/l	U	N	3.0	10
BN-9-25-MW070	M41753-5	SW8466010B	09/09/04	Antimony		ug/l	U	N	1.7	6.0
BN-9-25-MW070	M41753-5	SW8466010B	09/09/04	Arsenic		ug/l	U	N	2.2	5.0
BN-9-25-MW070	M41753-5	SW8466010B	09/09/04	Barium	12.6	ug/l	J	Y	0.64	200
BN-9-25-MW070	M41753-5	SW8466010B	09/09/04	Beryllium		ug/l	U	N	0.12	4.0
BN-9-25-MW070	M41753-5	SW8466010B	09/09/04	Cadmium		ug/l	U	N	0.30	4.0
BN-9-25-MW070	M41753-5	SW8466010B	09/09/04	Chromium	4.5	ug/l	J	Y	0.26	10
BN-9-25-MW070	M41753-5	SW8466010B	09/09/04	Cobalt		ug/l	U	N	0.81	50

Data Summary Table
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Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-MW070	M41753-5	SW8466010B	09/09/04	Copper	8.7	ug/l	J	Y	0.47	25
BN-9-25-MW070	M41753-5	SW8466010B	09/09/04	Vanadium	4.4	ug/l	U	Y	1.4	50
BN-9-25-MW070	M41753-5	SW8466010B	09/09/04	Zinc	4.0	ug/l	J	Y	0.75	20
BN-9-25-MW070	M41753-5	SW8466010B	09/09/04	Calcium	10700	ug/l		Y	2.3	5000
BN-9-25-MW070	M41753-5	SW8466010B	09/09/04	Selenium		ug/l	U	N	1.2	5.0
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	4-Nitroaniline		ug/l	U	N	0.84	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	4-Nitrophenol		ug/l	UJ	N	1.2	50
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	4-Bromophenyl phenyl ether		ug/l	U	N	1.1	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	2,4-Dimethylphenol		ug/l	U	N	1.6	20
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	1,4-Dichlorobenzene		ug/l	U	N	2.1	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	4-Chloroaniline		ug/l	UJ	N	1.2	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	bis(2-Chloroisopropyl)ether		ug/l	U	N	0.77	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Phenol		ug/l	U	N	1.1	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	bis(2-Chloroethyl)ether		ug/l	U	N	1.7	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	bis(2-Chloroethoxy)methane		ug/l	U	N	0.80	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	bis(2-Ethylhexyl)phthalate	3.4	ug/l	J	Y	0.72	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Di-n-octyl phthalate		ug/l	UJ	N	0.69	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Anthracene		ug/l	U	N	0.74	5.0
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	1,2,4-Trichlorobenzene		ug/l	U	N	2.0	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	2,4-Dichlorophenol		ug/l	U	N	1.8	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	2,4-Dinitrotoluene		ug/l	U	N	2.0	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Pyrene		ug/l	U	N	0.62	5.0
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Dimethyl phthalate		ug/l	U	N	1.6	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Dibenzofuran		ug/l	U	N	1.1	5.0
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Benzo(g,h,i)perylene		ug/l	U	N	0.66	5.0
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Indeno(1,2,3-cd)pyrene		ug/l	U	N	0.55	5.0
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Benzo(b)fluoranthene		ug/l	U	N	0.63	5.0
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Fluoranthene		ug/l	U	N	0.59	5.0
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Benzo(k)fluoranthene		ug/l	U	N	1.1	5.0
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Acenaphthylene		ug/l	U	N	0.97	5.0
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Chrysene		ug/l	U	N	0.69	5.0
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	2,4-Dinitrophenol		ug/l	U	N	1.5	20
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Dibenzo(a,h)anthracene		ug/l	U	N	0.60	5.0
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	4,6-Dinitro-o-cresol		ug/l	U	N	3.2	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	1,3-Dichlorobenzene		ug/l	U	N	2.2	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Benzo(a)anthracene		ug/l	U	N	0.67	5.0
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	4-Chloro-3-methyl phenol		ug/l	U	N	1.8	20

Data Summary Table
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Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	2,6-Dinitrotoluene		ug/l	U	N	0.74	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	N-Nitroso-di-n-propylamine		ug/l	U	N	0.88	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Hexachloroethane		ug/l	U	N	2.3	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	4-Chlorophenyl phenyl ether		ug/l	U	N	1.3	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Hexachlorocyclopentadiene		ug/l	U	N	5.0	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Isophorone		ug/l	U	N	0.92	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Acenaphthene		ug/l	U	N	1.3	5.0
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Diethyl phthalate		ug/l	U	N	1.4	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Di-n-butyl phthalate		ug/l	U	N	1.0	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Phenanthrene		ug/l	U	N	0.88	5.0
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Butyl benzyl phthalate		ug/l	U	N	1.5	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	N-Nitrosodiphenylamine		ug/l	U	N	0.76	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Fluorene		ug/l	U	N	0.94	5.0
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Carbazole		ug/l	U	N	0.77	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Pentachlorophenol		ug/l	UJ	N	2.2	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	2,4,6-Trichlorophenol		ug/l	U	N	1.4	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	2-Nitroaniline		ug/l	U	N	1.9	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	2-Nitrophenol		ug/l	U	N	1.6	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Naphthalene		ug/l	U	N	1.2	5.0
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	2-Methylnaphthalene		ug/l	U	N	1.3	5.0
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	2-Chloronaphthalene		ug/l	U	N	1.5	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	3,3'-Dichlorobenzidine		ug/l	U	N	0.84	5.0
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	2-Methylphenol		ug/l	U	N	1.2	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	1,2-Dichlorobenzene		ug/l	U	N	2.1	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	2-Chlorophenol		ug/l	U	N	1.4	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	2,4,5-Trichlorophenol		ug/l	U	N	2.8	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	Nitrobenzene		ug/l	U	N	0.67	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	3-Nitroaniline		ug/l	U	N	0.97	10
BN-9-25-MW070	M41753-5	SW8468270C	09/09/04	3&4-Methylphenol		ug/l	UJ	N	4.7	10
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	Ethylbenzene		ug/l	U	N	0.36	1.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	Styrene		ug/l	U	N	0.38	5.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	cis-1,3-Dichloropropene		ug/l	U	N	0.42	0.50
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	trans-1,3-Dichloropropene		ug/l	U	N	1.3	0.50
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	1,2-Dichloroethane		ug/l	U	N	0.41	2.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	4-Methyl-2-pentanone (MIBK)		ug/l	UJ	N	2.0	5.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	Toluene		ug/l	U	N	0.38	1.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	Chlorobenzene		ug/l	U	N	0.38	2.0

Data Summary Table
SDG M1753

Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	Dibromochloromethane		ug/l	U	N	0.36	2.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	Tetrachloroethene		ug/l	U	N	0.37	2.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	Xylene (total)		ug/l	U	N	1.0	1.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	1,2-Dichloroethene (total)		ug/l	U	N	2.0	2.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	Carbon tetrachloride		ug/l	U	N	0.43	2.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	2-Hexanone		ug/l	UJ	N	1.8	5.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	Acetone	11.9	ug/l	J	Y	4.3	5.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	Chloroform		ug/l	U	N	0.66	2.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	Benzene		ug/l	U	N	0.36	0.50
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	1,1,1-Trichloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	Bromomethane		ug/l	U	N	0.65	2.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	Chloromethane		ug/l	U	N	0.55	5.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	Chloroethane		ug/l	U	N	0.96	5.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	Vinyl chloride		ug/l	U	N	0.49	2.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	Methylene chloride		ug/l	U	N	1.4	2.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	Carbon disulfide		ug/l	U	N	0.46	5.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	Bromoform		ug/l	U	N	0.45	2.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	Bromodichloromethane		ug/l	U	N	0.98	2.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	1,1-Dichloroethane		ug/l	U	N	0.42	2.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	1,1-Dichloroethene		ug/l	UJ	N	0.73	1.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	1,2-Dichloropropane		ug/l	U	N	0.83	2.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	2-Butanone (MEK)		ug/l	UJ	N	2.5	5.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	1,1,2-Trichloroethane		ug/l	U	N	0.61	2.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	Trichloroethene		ug/l	U	N	0.49	2.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	1,1,2,2-Tetrachloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW071	M41753-6	SW8468260B	09/08/04	Hexachlorobutadiene		ug/l	U	N	0.77	5.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	Ethylbenzene		ug/l	U	N	0.36	1.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	Styrene		ug/l	U	N	0.38	5.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	cis-1,3-Dichloropropene		ug/l	U	N	0.42	0.50
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	trans-1,3-Dichloropropene		ug/l	U	N	1.3	0.50
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	1,2-Dichloroethane		ug/l	U	N	0.41	2.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	4-Methyl-2-pentanone (MIBK)		ug/l	UJ	N	2.0	5.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	Toluene		ug/l	U	N	0.38	1.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	Chlorobenzene		ug/l	U	N	0.38	2.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	Dibromochloromethane		ug/l	U	N	0.36	2.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	Tetrachloroethene		ug/l	U	N	0.37	2.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	Xylene (total)		ug/l	U	N	1.0	1.0

Data Summary Table
SDG M1753

Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	1,2-Dichloroethene (total)		ug/l	U	N	2.0	2.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	Carbon tetrachloride		ug/l	U	N	0.43	2.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	2-Hexanone		ug/l	UJ	N	1.8	5.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	Acetone	12.1	ug/l	J	Y	4.3	5.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	Chloroform		ug/l	U	N	0.66	2.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	Benzene		ug/l	U	N	0.36	0.50
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	1,1,1-Trichloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	Bromomethane		ug/l	U	N	0.65	2.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	Chloromethane		ug/l	U	N	0.55	5.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	Chloroethane		ug/l	U	N	0.96	5.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	Vinyl chloride		ug/l	U	N	0.49	2.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	Methylene chloride		ug/l	U	N	1.4	2.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	Carbon disulfide		ug/l	U	N	0.46	5.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	Bromoform		ug/l	U	N	0.45	2.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	Bromodichloromethane		ug/l	U	N	0.98	2.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	1,1-Dichloroethane		ug/l	U	N	0.42	2.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	1,1-Dichloroethene		ug/l	UJ	N	0.73	1.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	1,2-Dichloropropane		ug/l	U	N	0.83	2.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	2-Butanone (MEK)		ug/l	UJ	N	2.5	5.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	1,1,2-Trichloroethane		ug/l	U	N	0.61	2.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	Trichloroethene		ug/l	U	N	0.49	2.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	1,1,2,2-Tetrachloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW-XD3	M41753-7	SW8468260B	09/08/04	Hexachlorobutadiene		ug/l	U	N	0.77	5.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	Ethylbenzene		ug/l	U	N	0.36	1.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	Styrene		ug/l	U	N	0.38	5.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	cis-1,3-Dichloropropene		ug/l	U	N	0.42	0.50
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	trans-1,3-Dichloropropene		ug/l	U	N	1.3	0.50
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	1,2-Dichloroethane		ug/l	U	N	0.41	2.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	4-Methyl-2-pentanone (MIBK)		ug/l	UJ	N	2.0	5.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	Toluene		ug/l	U	N	0.38	1.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	Chlorobenzene		ug/l	U	N	0.38	2.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	Dibromochloromethane		ug/l	U	N	0.36	2.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	Tetrachloroethene		ug/l	U	N	0.37	2.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	Xylene (total)		ug/l	U	N	1.0	1.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	1,2-Dichloroethene (total)		ug/l	U	N	2.0	2.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	Carbon tetrachloride		ug/l	U	N	0.43	2.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	2-Hexanone		ug/l	UJ	N	1.8	5.0

Data Summary Table
SDG M1753

Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	Acetone	17.9	ug/l	J	Y	4.3	5.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	Chloroform		ug/l	U	N	0.66	2.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	Benzene		ug/l	U	N	0.36	0.50
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	1,1,1-Trichloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	Bromomethane		ug/l	U	N	0.65	2.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	Chloromethane		ug/l	U	N	0.55	5.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	Chloroethane		ug/l	U	N	0.96	5.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	Vinyl chloride		ug/l	U	N	0.49	2.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	Methylene chloride		ug/l	U	N	1.4	2.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	Carbon disulfide		ug/l	U	N	0.46	5.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	Bromoform		ug/l	U	N	0.45	2.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	Bromodichloromethane		ug/l	U	N	0.98	2.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	1,1-Dichloroethane		ug/l	U	N	0.42	2.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	1,1-Dichloroethene		ug/l	UJ	N	0.73	1.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	1,2-Dichloropropane		ug/l	U	N	0.83	2.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	2-Butanone (MEK)		ug/l	UJ	N	2.5	5.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	1,1,2-Trichloroethane		ug/l	U	N	0.61	2.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	Trichloroethene		ug/l	U	N	0.49	2.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	1,1,2,2-Tetrachloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW072	M41753-8	SW8468260B	09/08/04	Hexachlorobutadiene		ug/l	U	N	0.77	5.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	Ethylbenzene		ug/l	U	N	0.36	1.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	Styrene		ug/l	U	N	0.38	5.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	cis-1,3-Dichloropropene		ug/l	U	N	0.42	0.50
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	trans-1,3-Dichloropropene		ug/l	U	N	1.3	0.50
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	1,2-Dichloroethane		ug/l	U	N	0.41	2.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	4-Methyl-2-pentanone (MIBK)		ug/l	UJ	N	2.0	5.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	Toluene		ug/l	U	N	0.38	1.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	Chlorobenzene		ug/l	U	N	0.38	2.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	Dibromochloromethane		ug/l	U	N	0.36	2.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	Tetrachloroethene		ug/l	U	N	0.37	2.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	Xylene (total)		ug/l	U	N	1.0	1.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	1,2-Dichloroethene (total)	2.2	ug/l		Y	2.0	2.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	Carbon tetrachloride		ug/l	U	N	0.43	2.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	2-Hexanone		ug/l	UJ	N	1.8	5.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	Acetone	12.8	ug/l	J	Y	4.3	5.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	Chloroform		ug/l	U	N	0.66	2.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	Benzene		ug/l	U	N	0.36	0.50

Data Summary Table
SDG M1753

Field Sample Name	Lab ID	Analytical Method	Sample Date	Analyte	Result	Units	Qualifier	Detect Y / N	MDL	MRL
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	1,1,1-Trichloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	Bromomethane		ug/l	U	N	0.65	2.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	Chloromethane		ug/l	U	N	0.55	5.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	Chloroethane		ug/l	U	N	0.96	5.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	Vinyl chloride		ug/l	U	N	0.49	2.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	Methylene chloride		ug/l	U	N	1.4	2.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	Carbon disulfide		ug/l	U	N	0.46	5.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	Bromoform		ug/l	U	N	0.45	2.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	Bromodichloromethane		ug/l	U	N	0.98	2.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	1,1-Dichloroethane		ug/l	U	N	0.42	2.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	1,1-Dichloroethene		ug/l	UJ	N	0.73	1.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	1,2-Dichloropropane		ug/l	U	N	0.83	2.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	2-Butanone (MEK)		ug/l	UJ	N	2.5	5.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	1,1,2-Trichloroethane		ug/l	U	N	0.61	2.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	Trichloroethene	1.3	ug/l	J	Y	0.49	2.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	1,1,2,2-Tetrachloroethane		ug/l	U	N	0.50	2.0
BN-9-25-MW074	M41753-9	SW8468260B	09/08/04	Hexachlorobutadiene		ug/l	U	N	0.77	5.0

Field Duplicate Worksheet

Field Duplicate	Lab ID	Method	Analyte	Result	Units	FD Qualifier	Field Sample	Result	Units	Field Sample Qualifier	FD RPD (%)
BN-9-25-MW-XD2	M41753-4	SW8466010B	Aluminum	179	ug/l		BN-9-25-MW069	207	ug/l		14.5
BN-9-25-MW-XD2	M41753-4	SW8466010B	Iron	376	ug/l		BN-9-25-MW069	458	ug/l		19.7
BN-9-25-MW-XD2	M41753-4	SW8466010B	Magnesium	2610	ug/l		BN-9-25-MW069	2700	ug/l		3.4
BN-9-25-MW-XD2	M41753-4	SW8466010B	Manganese	363	ug/l		BN-9-25-MW069	366	ug/l		0.8
BN-9-25-MW-XD2	M41753-4	SW8466010B	Nickel	1.0	ug/l		BN-9-25-MW069	1.5	ug/l		NC
BN-9-25-MW-XD2	M41753-4	SW8466010B	Potassium	1010	ug/l		BN-9-25-MW069	1050	ug/l		3.9
BN-9-25-MW-XD2	M41753-4	SW8466010B	Silver	ND	ug/l		BN-9-25-MW069	0.41	ug/l		NC
BN-9-25-MW-XD2	M41753-4	SW8466010B	Sodium	55200	ug/l		BN-9-25-MW069	55700	ug/l		0.9
BN-9-25-MW-XD2	M41753-4	SW8466010B	Barium	7.2	ug/l		BN-9-25-MW069	7.0	ug/l		2.8
BN-9-25-MW-XD2	M41753-4	SW8466010B	Chromium	0.35	ug/l		BN-9-25-MW069	0.98	ug/l		NC
BN-9-25-MW-XD2	M41753-4	SW8466010B	Copper	2.1	ug/l		BN-9-25-MW069	2.8	ug/l		28.6
BN-9-25-MW-XD2	M41753-4	SW8466010B	Vanadium	4.6	ug/l		BN-9-25-MW069	4.9	ug/l		6.3
BN-9-25-MW-XD2	M41753-4	SW8466010B	Zinc	59.4	ug/l	J	BN-9-25-MW069	4.0	ug/l	J	174.8
BN-9-25-MW-XD2	M41753-4	SW8466010B	Calcium	5890			BN-9-25-MW069	6020			2.2
BN-9-25-MW-XD2	M41753-4	SW8466010B	Selenium	ND			BN-9-25-MW069	1.4			NC
BN-9-25-MW-XD2	M41753-4	SW8468270C	bis(2-Ethylhexyl)phthalate	3.8	ug/l		BN-9-25-MW069	3.5	ug/l		8.2
BN-9-25-MW-XD2	M41753-4	SW8468260B	1,2-Dichloroethene (total)	23.3	ug/l		BN-9-25-MW069S	22.6	ug/l		3.1
BN-9-25-MW-XD2	M41753-4	SW8468260B	Acetone	16.1	ug/l		BN-9-25-MW069S	18.0	ug/l		11.1
BN-9-25-MW-XD2	M41753-4	SW8468260B	Vinyl chloride	42.8	ug/l		BN-9-25-MW069S	40.5	ug/l		5.5
BN-9-25-MW-XD3	M41753-7	SW8468260B	Acetone	12.1	ug/l		BN-9-25-MW071	11.9	ug/l		1.7
BN-9-25-LT-XD4	M41753-18	SW8468260B	All analytes non-detect				BN-9-25-LT901				NC
BN-9-25-SW-XD5	M41753-20	SW8468260B	All analytes non-detect				BN-9-25-SW010				NC
BN-9-25-SED-XD6	M41753-22	EPA1603M	All analytes non-detect				BN-9-25-SED010				NC

ECC Region I Data Review Worksheet (rv 3) **VOCs 5030B/5035//8260B**
Project: NAS Brunswick Site 9 ECC Job No. 5700 **Review Criteria: Site 09 QAPP & USEPA Region I Tier II Guidance**

Data Validation Level	Matrix	Preservation	Temp Sample Receipt	Laboratory	SDG Number
Tier II	**Aqueous and solid**	**HCl, MeOH, $NaHSO_4$**	**5 coolers – Temp (^oC): 2.6, 3.0, 2.5, 2.6, & 3.0**	**Accutest Laboratory Marlborough, MA**	**Accutest # M41753**

Field Identification and Laboratory Number of Samples Evaluated:

Field ID	Lab Sample Number
BN-9-25-MW069S	M41753-2
BN-9-25-MW069D	M41753-3
BN-9-25-MW-XD2	M41753-4
BN-9-25-MW071	M41753-6
BN-9-25-MW-XD3	M41753-7
BN-9-25-MW072	M41753-8
BN-9-25-MW074	M41753-9
BN-9-25-MW075	M41753-10
BN-9-25-MW076	M41753-11
BN-9-25-MW080	M41753-13
BN-9-25-MW021	M41753-14
BN-9-25-MW022	M41753-15
BN-9-25-MW0227	M41753-16
BN-9-25-LT901	M41753-17
BN-9-25-LT-XD4	M41753-18
BN-9-25-SW010	M41753-19
BN-9-25-SW-XD5	M41753-20
BN-9-25-SED010	M41753-21
BN-9-25-SED-XD6	M41753-22
BN-9-25-QT1	M41753-23
BN-9-25-QT1	M41753-23A
BN-9-25-QT1	M41753-23B

Note: Samples are described below in the data worksheets by reference to the last two digits of the Lab Sample Number.

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inventory	QUAL	BIAS
COC	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature, HCl (aq), MeOH/NAHSO4 (soils) (J, UJ, or R (function of HT and compound)	Cooler temperatures <6C. Sample preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. Chain of custody indicates NaOH and sulfuric acid as preservatives, which were not used. No samples qualified.	X	.	
Holding Time	1) 14 Days to analysis, if preserved 2) J –detects, UJ or R –nondetects (function of time) 3) *transcription errors	All samples analyzed within holding time. No samples qualified.	X	-	
% Solids Check (SOLIDS)	30%<Solids: if no sample weight adjustment made. 1) <10% R entire sample 2) 10%.> and <30%; J-detects, NDs -R	%M of sediment samples are greater than 30%. No samples qualified.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
Trip Blank	1) < 5x (<10x common) contaminants for aq samples- 2) TGT analytes <Lab QL (contact lab) -for soils indicate cross matrix TB (X rules apply to raw data) 4) MeCl & Acetone < 5 5) >RL report sample level U 6) <RL report PQL as U	Tripblank field sample number: BN-9-25-QT1 Lab ID 23: sodium bisulfate (sed) Lab ID 23A: HCL (aq) Lab ID 23B: MeOH (aq) Tripblank (low-level solids) Lab ID 23 has two detects: MeCl: 2.8 <28 Acetone: 33.4 <334 Acetone is a known reaction by-product of sodium bisulfate reacting with organic materials and it is a common lab contaminant.	X	Acetone qualified U in samples 21 and 22.	
Equip Blank	1) < 5x (<10x common) contaminants for aq samples- 2) TGT analytes <Lab QL (contact lab) -for soils indicate TB (X rules don't apply) 3) MeCl & Acetone < 5 *Check IS area (10% of them) * recalculate surrogate (%R – 10 % of them)	Not collected/analyzed with this SDG.	-	-	
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated) listed on data summary sheet.	Attached data summary table. Analytes with results >MDL but <PQL/RL Results greater than the upper quantitation limit are qualified J.	X	J for all samples with estimated results <MRL but >MDL.	
*TICs (if reported)	1) *verify library search for samples and blanks 2) verify TICs were not misreported compounds (different fraction or miss in search) 3) All TICs – J estimated 4) * verify blanks do not contain TIC peaks 5) * check TIC assignment spectra to STD spectra 6) *review blank and Samples for common lab contaminants	None Reported/not evaluated	-	-	
Surrogates	1,2-Dichloroethane-d4 65-135% Dibromofluoromethane 75-129% Toluene-d8 82%-120% 4-BFB 69%-125% *check raw data for surrogated (recalculate 10% of them). *Transcription errors Qualification: >UCL J –detects, %R<10% J –detects, R –Nods, %R >10% but <70% J-detects, UJ NDs	All reported surrogates within limits. No samples qualified.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
Lab Blanks (method blanks)	1) < 5x (<10x common) contaminants for aq samples- 2) <10X common contaminants 3) TGT analytes <Lab QL 4) if linear range is exceeded, verify if a instrument blank was performed 5) *verify accurate transcription of times, Ids, are reported on forms 6) *verify from the raw data if the instrument blank was performed in the same vessel 7) *verify IS, RRT, and surrogate %R *check 10% of raw chromatograms for false +/-, check for transcription errors.	Method blanks associated with aqueous samples were non-detect for all reported analytes. No aqueous samples qualified. The method blank associated with the sediment samples has detections for: Compound 5X or 10X rule Acetone 5.0 < 50 Acetone 3.9 < 39 MeCl 0.63 <3.15 Acetone detected in samples 9 and 10. MeCl not detected in the field samples.	X	Qualify acetone U in samples 21 and 22	
LCS Recovery	1) Attachment A-2 of LTMP 2) All VOCs 60-140% 3) 10% and <LCL% J detects, UJ –Nods 4) >UCL% J detects <10% R NDs, J-detects 7) *Recalculate the concentrations for one compound in the LCS 8) * Recalucate the %R (within 10% of lab) Note: Tier guidance as a zero blind	All LCS %R's are within MPC. No samples qualified.	X	-	
MS/MSD Recovery	1) Attachment A-2 of LTMP 2) 60-140% for all VOCs (if MS > 4X native levels) Qualification of MS sample: <10% J detects, R NDs >10% and <LCL% J detects, UJ -NDs >UCL% J detects 3) *Recalculate the concentrations for one compound in the MS/MSD 5) * Recalucate the %R (within 10% of lab)	Field samples used for MS/MSD: Sample from SDG 41675-2 used for MS/MSD sample associated with sample 23B. The MS/MSD was not part of this SDG. Vinyl chloride MS %R<LCL. No samples qualified. *Field sample ID; matrix; evaluation*; 17: Leachate; within MPC limits, except for styrene 19: Surface water; within MPC limits. 02: Monitoring wells: within MPC limits 21: sediment MS/MSD has MS %R<LCL for nearly all reported VOCs. The surrogate %R was within limits. The MS %R may be attributable to matrix inhomogeniety and possible matrix interferences.	X	Sample 17 styrene, non-detect qualified UJ. Sample 21: All non-detects qualified UJ	Potential low bias for sediment matrix.
MS/MSD RPD	RPD =20% (aq/S) (when MS >QL) J – detects in MS sample UJ-non detects * recalculate RPD	Field samples used for MS/MSD: Sample from SDG 41675-2 used for MS/MSD sample associated with sample 23B. The MS/MSD RPD exceeded criteria except for 1,1 DCA, trans-1,2 DCE, cis 1,3 dichloropropene and 2-hexane. No samples qualified as the field sample was not selected for the MS/MSD. *Field sample ID; matrix; evaluation*; 17: Leachate; within RPD limits, except for styrene 19: Surface water; within RPD limits. 02: Monitoring wells: within RPD limits. 21: sediment MS/MSD has MS/MSD RPDs<criteria for nearly all reported	X	Sample 21: qualify UJ all non-detect in this sample.	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
		VOCs. Laboratory precision is acceptable for all matrices except for sediments.			
Field Dup RPD	1) RPD = 30% aq. = 50 soil for Results > PQL (FD pair only) J-detects (both > PQL) 2) Note: FD RPD not specified in QAPP. 30% will be used as the MPC, to be consistent with other NASB QAPPs. 3) If one >PQL, other ND, J-detections, UJ non-detect 4) Other conditions use judgement 5) Determine RPD for detects only. 6) *Recalculate the concentrations for one compound and the PQL	Field samples and field duplicates collected/analyzed with this SDG: Matrix Field Sample Field Duplicate Sediment 21 22 MW 2 4 MW 6 7 Leachate 17 18 Surface Water 19 20 Field sample and field duplicate results in the following FD pairs were non-detect: 17/18, 19/20, & 21/22 The FD pairs with VOC detections are summarized on the attached field duplicate worksheet. All detected VOCs in the FD pairs have RPDs within MPC. Overall precision is acceptable.	X	See field duplicate worksheet for RPDs and qualifiers.	
*MDL Study	1) *In accordance with 40CFR – seven replicates %RSD < 20% 2) * IS and retention times within method requirements 6) * performed annually 7) *MDL is at least ½ of PQL 8) *tgt and surrogate 80-120% R 9) *VOA/SV-X11 (recalcuate %RSD and %R for three compounds (10% of them).	NA	-	-	
Internal Stds	1) IS are –50% to 200% of last Ical, or CCV 3) RRT<0.06 (30 sec) 4) IS>100% J-detects 5) IS<20%CCV NDs – R 6) IS>20%CCV <50%CCV NDs – UJ 7) *check for IS transcription errors 8) FBZ = fluroobenzene 9) CBZ = chlorobenzene-d5 10) DCB = 1,4 dichlorobenzene-d4	All IS %R's are within MPC. No samples qualified.	X	-	
Sensitivity	1) MDL study – 7 replicates (40 CFR) 2) Surrogates %in control limits. 3) %R <10 ND- (R) , J- detects 4) 10%> but <LCL% , judgement 5) %R>UCL% J-detects 7) QC, IS, RRT meet criteria, 8) %RSD < 20% 9) MDL< MQL (3x less ideal) 10) Lab fortitied blank (see VOA/SV Part II –section X). 11) *Check and recalculate %RSDs and %R	Sediment samples have high %M. For samples 09 and 10 the MRLs have been raised due to low %Solid. The QAPP doesn't list any PAL or MRLs for sediments. The Sediment MRL range from 0.35 – 3.5 ug/kg. For aqueous samples the laboratory MRL is 2.0 ppb, with the exception of ketones, carbon disulfide, chloroethane, chloromethane, styrene, and Hexachlorobutadiene. The QAPP MRL is	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
	for three compounds (with 10% of lab) 12) <u>Dilution factors for samples – impacts to sensitivity</u>	1.00 ppb. The reported 2.0 ppb MRL provides adequate sensitivity to support evaluation against MEG and MCLs for all compounds except vinyl chloride and Hexachlorobutadiene. For vinyl chloride the2.00 MCL is bracketed by the labs 2.00 ppb MRL and the MDL of 0.63 ppb. For Hexachlorobutadiene the MEG limit is 1.00. The lab MRL is 5.00 and the MDL is 0.94. The MEG for Hexachlorobutadiene is bracketed by the laboratory MDL and MRL. For following compounds have an MRL which is greater than the QAPP required MRL of 1.0: carbon disulfide, chloroethane, chloromethane, styrene. For : carbon disulfide, chloroethane there are not applicable MEG nor MCL standards. For chloromethane the MEG is bracketed by the laboratory MRL and the MDL. Aqueous samples; 1,2-Dichloroethane, Chlorobenzene, Dibromochloromethane, Tetrachloroethene, 1,2-Dichloroethene (total), Carbon tetrachloride, Chloroform, 1,1,1-Trichloroethane, Bromomethane, Vinyl chloride, Methylene chloride, Bromoform, Bromodichloromethane, 1,1-Dichloroethane, 1,2-Dichloropropane, 1,1,2-Trichloroethane, Trichloroethene, 1,1,2,2-Tetrachloroethane have MRL = 5 ppb which is greater than the LTMP reporting limit.Styrene, 4-Methyl-2-pentanone (MIBK), 2-Hexanone, Acetone, Chloromethane, Chloroethane, Carbon disulfide, 2-Butanone (MEK), Hexachlorobutadiene have MRL = 2 which is greater than the LTMP reporting limit. Sediment samples have %solids ca. 60%, which resulted in elevated MRLs.			
*Compound Quantitation (completed as part of other steps)	1) Check sensitivy (MDL< 1/3 PQL) 2) *Recalculate one detection and quantitation limit 3) *verify concentrations have been adjusted to account for DW, DF, 4) *verifiy correct IS and RRF were used	NA	-	-	
*System Performance	1)* evaluate PES, MS//MSD, cal STDs, MDS study, and surrogates for systemic bias – high or low and access system accuracy 8) *Matrix effects- MS/MSD, surrogated, PDS. 9) *System chromatography- evaluate RRTs, peaks shapes, system impacts on data, baseline shifts.	NA	-	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
	10) *overall system contamination-review all blanks for systemic or sporadic contamination				
*TGT Compound Identification	1) *Within 0.06 (30 sec) of CCV RRT 2) * compare sample Mass spectra to standard spectra; a) all ions in std spectra (with 10% rel intensity) presnent in sample spectra. B) sample ion abundance within 20% of standard spectra. 3) *chromatogram: all peaks greater than 10% of nearest IS identified.	NA	-	-	
Single Blind PE	1) Qualify associated samples in PES batch PES = ND, Detects J – ND PE analytes in samples, NDs – R 11) PES > acceptance criteria – Detects in samples J, 12) PES<acceptance criteria – Detects J, NDs –R 13) VOA/SV-XI14 other criteria 14) *% of PES sample above and below criteria 15) *Recalculate concentrations for one tgt compound per PES (10% of lab)	NA	-	-	
Tune check	1) ion abundance with method limits 2) *check for co-elution /proper background subtraction 3) *compare reported data to raw data	All tunes passed method criteria. No samples qualified.	X	-	
Initial Cal Multipoint (instrument evaluation)	1) correct calibration stds 2) within 12 hours of the tune check 3) CCCs %RSD: <30% (1,1 DCA, chloroform, 1,2dichloropropane, Toluene, EB, VC (J –detects, R or UJ NDs all samples associated with Ical) 4) SPCCs Average RRF: SPCCs Chloromethane >0.10, 1,1 DCA>0.10, bromoform >0.10, chlorobenzene>0.3, 1122TCA>0.3 (J –detects, R NDs) 5) RRF>0.05 all compounds 6) RRT < 0.06 units (all stds within 30 sec) 7) %RSD<15% for all non-CCCs or COD>0.99 *8) RRF exclusions: surrogates, acetone, MeCL, chloroethane/methane, CS, 1,/22/03 2-butanone, 1,2 dichloropropane, 2-hexanone (IV-8)./* 9) *verify that instrument parameters met method and that Ical and analysis used the same parameters 10) *recalculate RRF one tgt compound associated with each IS. Recalculated values within 10% of lab values. 11) *recalculate one tgt compound associated with each IS. Recalculated values within 10% 12) *option-review preparation logs to ensure	Instrument GC/MS Ins 04 Sep 2004. Water samples. CCC and SPCC %RSD and RF respectively within MPC. No samples qualified Instrument: 5973 G 31 Aug 04 Solid samples CCC and SPCC %RSD and RF respectively within MPC. No samples qualified Instrument: GC/MS H 14 Sep 2004 Solid samples CCC and SPCC %RSD and RF respectively within MPC. No samples qualified	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
	cal stds are traceable to NIST stds. 13) *option-recalculate cal std concentration of one std. Must agree within 10% of lab (option if information is in data package)				
Initial Cal (Linearity)	%RSD < 15% use average RF for calibration %RSD> 15% use least squares COD (r2) > 0.990 or correlation coefficient r> 0.995 Qualification for compounds with : %RSD>30% and RRF>0.05 – J detects, UJ - NDs %RSD<30% and RRF<0.05; -J detects, R - ND %RSD>30% and RRF<0.05: J detects, R - ND (see VOA/SVIII-4)	All instruments: %RSD <15% or COD>0.99 for all analytes on all instruments, except for 1,1 DCE on instrument GC/MSG	X	1,1 DCE qualified UJ in samples 2,3,4,6,7,8,9,10,11,13,14,15, 16,17,18,19, & 20	
2nd Source ICV	QC check nor criteria not specified in QAPP. %D<25% or %R (between ICV and Ical) analytes 80%--120% (+ or -) once per 5 pt cal used to evaluate data sets. Qualification: J detects, R or UJ NDs	All instruments: %D <25% for all analytes on all instruments, except for acetone, 2-butanone, 2-hexanone, and 4-methylpentanone on instrument GC/MSG	X	2-butanone, 2-hexanone, and 4-methylpentanone qualified UJ in samples 2,3,4,6,7,8,9,10,11,13,14,15, 16,17,18,19, & 20. Acetone qualified UJ in samples 17,18,19, & 20, and qualified J in samples 2,3,4,6,7,8,9,10,11,13,14,15, 16	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
CCV	1) SPCCs Average RRF: SPCCs Chloromethane >0.10, 1,1 DCA>0.10, bromoform >0.10, chlorobenzene>0.3, 1122TCA>0.3 2) RRF all compounds > 0.05 3) CCC: (1,1 DCA, chloroform, 1,2dichloropropane, Toluene, EB, VC) %D<20% (or all analytes if no CCCs reported). 4) Qualification-J detects, R or UJ NDs 5) *verify same instrument and parameters 6) *Recalculate RRF for one tgt cmpd associated with each IS. (within 10%) 7) *Recalculate %D for one tgt cmpd associated with each IS (within 10%) 8) *IS RRT<0.06 units (30 sec) 9) * IS area -50 % to 100 % of last ICAL 10) *option-review preparation logs to ensure cal stds are traceable to NIST stds. 11) *option-recalculate cal std concentration of one std. Must agree within 10% of lab (option if information is in data package)	All CCVs on the various instruments were within limits, except for the 21 Sep CCV (instrument GCMSG).	X	4-methyl-2-pentanone and 2-hexanone qualified UJ in samples 2,3,4,6,7,8,9,10,11,13,14,15, 16,17,18,	
Overall Evaluation of Data	1) Appropriate method 2) Evaluate any analytical problems 3) Evaluate sampling errors – field contamination, sample hold times	Analytical Error Evaluation; Laboratory accuracy is acceptable, as the LCS and surrogates are within limits. Laboratory precision is acceptable, as shown by the MS/MSD RPD, except for styrene in the leachate sample and nearly all reported VOCs in the sediment matrix. The sediment heterogeneity may be responsible for the MS/MSD RPD exceedances. The sediment FD was non-detect for all analytes, so heterogeneity can not be addressed by that sample result. ICAL; within MPC, except for 1,1 DCE ICV: within MPC except acetone, 2-butanone, 4-methyl-2-pentanone, and 2-hexanone for water samples. CCV: within MPC except for 4-methyl-2-pentanone and 2-hexanone for water samples. Sampling Error Evaluation:– Field samples and field duplicates collected/analyzed with this SDG: Matrix Field Sample Field Duplicate Sediment 21 22 MW 2 4 MW 6 7 Leachate 17 18 Surface Water 19 20	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED/Rationale	Inven-tory	QUAL	BIAS
		Field sample and field duplicate results in the following FD pairs were non-detect: 17/18, 19/20, & 21/22. The FD pairs with VOC detections are summarized on the attached field duplicate worksheet. All detected VOCs in the FD pairs have RPDs within MPC. Overall precision is acceptable. Tripblank field sample number: BN-9-25-QT1 Lab ID 23: sodium bisulfate (sed) Lab ID 23A: HCL (aq) Lab ID 23B: MeOH (aq) Tripblank (low-level solids) Lab ID 23 has two detects: MeCl: 2.8 <28 Acetone: 33.4 <334 Acetone is a known reaction by-product of sodium bisulfate reacting with organic materials and it is a common lab contaminant.			

* Tier III review items only.

Completeness Check: Inventory Check Sheet_____X__. Sample Quantitation Calculations (TIER III only):

ECC Region I Data Review Worksheet (rv 3) **SVOCs 3510C/8270C**
Project: NAS Brunswick Site 9 ECC Job No. 5700 **Review Criteria: Site 09 QAPP & USEPA Region I Tier II Guidance**

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier II	**Aqueous**	**-**	**5 coolers – Temp (^oC): 2.6, 3.0, 2.5, 2.6, & 3.0**	**Accutest Laboratory Marlborough, MA**	**Accutest # M41753**

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
BN-9-25-MW069	M41753-1
BN-9-25-MW-XD2	M41753-4
BN-9-25-MW070	M41753-5
BN-9-25-MW079	M41753-12

Note: Samples are described below in the data worksheets by reference to the last two digits of the Lab Sample Number

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
COC	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R - nondetects 3) Preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperatures <6C. Sample preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. No samples qualified.	X	-	
Holding Time	1) 7 Days aqueous – 14 days soil (extract 40 days) 2) J –detects, UJ or R –nondetects (function of time)	All samples extracted and analyzed within applicable holding times. No samples qualified.	X		
% Solids Check (SOLIDS)	30%<Solids: if no sample weight adjustment made (no USACE) 1) <10% R entire sample 2) 10%.> and <30%; J-detects, NDs -R	NA	-	-	
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <PQL but >MDL – J –detects (estimated)	Results less than the MRL but greater than the MDL are qualified J. See data summary Table	X	J qualify detects that are less than the MRL but greater than the MDL.	
TICs (if reported)	1) *verify library search for samples and blanks 2) verify TICs were not misreported compounds (different fraction or miss in search) 3) All TICs – J estimated 4) * verify blanks do not contain TIC peaks 5) * check TIC assignment spectra to STD spectra 6) *review blank and Samples for	None Reported	X	-	

ECC Region I Data Review Worksheet (rv 3) **SVOCs 3510C/8270C**
Project: NAS Brunswick Site 9 ECC Job No. 5700 **Review Criteria: Site 09 QAPP & USEPA Region I Tier II Guidance**

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
Internal Stds	1) IS are –50% to 100% of CCV 1) RRT<0.06 (30 sec) 2) IS>100% J-detects 3) IS<20%CCV NDs – R 4) IS>20%CCV <50%CCV NDs – UJ 5) *check for IS transcription errors	Internal standards are within MPC. No samples qualified.	X	-	
Equip Blank	< 5x (<10x common) contaminants for aq samples – for soil indicate EB (X rules don't apply)	Not collected/analyzed with this SDG.	-	-	
Surrogates	Within QAPP limits Attachment A-2 (QAPP) 2-Fluorophenol 21-100% Phenol-D5 10-94% 2,4,6 tribromophenol 10-123% Nitrobenzene-D5 35-114% 2-Fluorobiphenyl 43-116% Terphenyl-D14 33-141% Qualification: >UCL J –detects, %R<10% J –detects, R –NDs, %R >10% but <39% J-detects, UJ NDs.	All surrogate %R's are within MPC. No samples qualified. Laboratory accuracy is acceptable.	X	-	
MS/MSD Recovery	1) Within QAPP limits in Attachment A-2. Phenol 38 – 91% 2-chlorophenol 42-94% 1,4-dichlorobenzne 28-90% n-nitroso-di-n-propylamine 53-115% 1,2,4 trichlorobenzene 33-94% 4-chloro-3-methylphenol 45-97% Acenaphthene 49-103% 4-nitrophenol 52-117% 2,4 dinitrotoluene 57-115% pentachlorophenol 38-119% pyrene 45-114% (if MS > 4X native levels) Qualification of MS sample: <10% J detects, R NDs >10% and <70% J detects, UJ -NDs	Native sample – Lab ID 01: MS and MSD %R<MPC, except for 2,4 dimethylphenol. No apparent matrix bias for other SVOCs. .	X	2,4 dimethylphenol qualified UJ in sample 01.	

ECC Region I Data Review Worksheet (rv 3) **SVOCs 3510C/8270C**
Project: NAS Brunswick Site 9 ECC Job No. 5700 **Review Criteria: Site 09 QAPP & USEPA Region I Tier II Guidance**

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
MS/MSD RPD	1) RPD MCP per QAPP Attachment A-2 Phenol 33% 2-chlorophenol 32% 1,4-dichlorobenzne 38% n-nitroso-di-n-propylamine 38% 1,2,4 trichlorobenzene 38% 4-chloro-3-methylphenol 32% Acenaphthene 33% 4-nitrophenol 40% 2,4 dinitrotoluene 35% pentachlorophenol 50% pyrene 43% COCs not specified in the QAPP evaluated using laboratory control limits. 2) Criteria: J –detects in MS sample UJ-non detects	Native sample; Lab ID 01: All SVOCs within MPC. No samples qualified.	X	-	
LCS Recovery	1) Within QAPP limits listed in Attachment A-2 Phenol 38 – 91% 2-chlorophenol 42-94% 1,4-dichlorobenzne 28-90% n-nitroso-di-n-propylamine 53-115% 1,2,4 trichlorobenzene 33-94% 4-chloro-3-methylphenol 45-97% Acenaphthene 49-103% 4-nitrophenol 52-117% 2,4 dinitrotoluene 57-115% pentachlorophenol 38-119% pyrene 45-114% 2) Compounds not listed in the QAPP but which are site COCs will be evaluated using laboratory historical limits.	All LCS %R's within MPC. No samples qualified.	X	-	
Lab Blanks (method Blanks)	1) < 5x (<10x common) contaminants – U 2) analytes <lab PQL (contract lab) 3) no phthalates >5X QL (QAPP)	Associated method blank non-detect for all SVOCs. No samples qualified.	X	-	
Cleanup Performance Check (if performed)	%R< 10% NDs-R detections J %R>10% <LCL (80%GPC) –detections J, NDs UJ %R>UCL (120%) – detections J Retention Time shift <5%, symmetrical peakshape. GPC check with interferants. Good surrogate recovery, GPC blank check – no carryover.(VOA/SV-IX-I6). Sulfur and High MW compounds removed. Symetrical peaks for all compounds	NA	-	-	
Tune Check	Tune check within method parameters for DFTPP.	All tunes checks within limits.	X	-	
DDT degradation Instrument performance check	1) Breakdown <20% DDT 2) benzidine and pentachlorophenol at normal response - no peak trailing (<3.0 benz. , <5.0 penta.) Detections – J	Associated DDT breakdown checks within limits. No samples qualified.	x	-	

ECC Region I Data Review Worksheet (rv 3) **SVOCs 3510C/8270C**
Project: NAS Brunswick Site 9 ECC Job No. 5700 **Review Criteria: Site 09 QAPP & USEPA Region I Tier II Guidance**

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
Field Dup RPD	1) RPD = 30% water; Criteria not provided in QAPP. Bldg 95 QAPP criteria used for consistency. Results > PQL (FD pair only) J-detects (both > PQL) 2) If one > PQL, other ND, J-detections, UJ non-detect 3) Other conditions use judgement	Field sample: 1 Field duplicate: 4. Bis(2-ethylhexyl)phthalate only detection, and the SVOC RPD is less than 30%5. Overall precision is acceptable.	X	See FD worksheet.	
Initial Cal (Linearity)	Correct calibration stds %RSD < 15% use average RF for calibration %RSD> 15% use least squares COD (r2) > 0.990 or correlation coefficient r> 0.995 or alternatively mean %RSD <15% for all target analytes, with no analyte %RSD>30% or %RSD<30% each target analyte 1) CCCs %RSD: <30% (acenatphthene, 1,4 dichlorobenzene, hexachlorobutadiene, diphenylamine, di-n-octyl phthalate, fluoranthene, benzo(a)pyrene, 4-chloro-3-methylphenol, 2,4, dichlorophenol, 2-nitrophenol, phenol, pentachlorophenol, 2,4,6 trichlorophenol) J –detects, R or UJ NDs all samples associated with Ical) 2) SPCCs Average RRF > 0.05: SPCCs n-nitroso-di-n-propylamine, hexachlorcyclopentdiene, 2,4 dinitrophenol, 4-nitrophenol.	Instrument ID: GC MSF 23 Sept 2004 All SVOCs have %RSD<15% or COD>0.99, except for di-n-octylphthalate which has %RSD>15%. CCCs and SPCC's within MPC. No samples qualified.	X	di-n-octylphthalate qualified UJ in all samples	-
2nd Source ICV	%D ≤ 25%, (+ or -) once per 5 pt cal Qualification: J detects, R or UJ NDs	Instrument GC MSF %D>25% for the following SVOCs: m&p cresol, 4-chloroaniline, 4-nitrophenol, pentachlorophenol.	X	Qualify non-detects UJ for the following compounds: m&p cresol, 4-chloroaniline, 4-nitrophenol, pentachlorophenol. in all samples.	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
CCV	1) SPCCs Average minimum RRF >0.05: SPCCs n-nitroso-di-n-propylamine, hexachlorcyclopentdiene, 2,4 dinitrophenol, 4-nitrophenol. 2) RRF all compounds > 0.05 3) CCC [%D<20%]: (acenatphthene, 1,4 dichlorobenzene, hexachlorobutadiene, dipheynlamin, di-n-octyl phthalate, fluoranthene, benzo(a)pyrene, 4-chloro-3-methylphenol, 2,4, dichlorophenol, 2-nitrophenol, phenol, pentachlorophenol, 2,4,6 trichlorophenol) 4) %D<20%. Non- CCCs Qualification-J detects, R or UJ Nods 5) %D<25% all compounds (Tier I). 6) RRF exclusions: surrogates, 7) *verify same instrument and parameters 8) *Recalculate RRF for one tgt cmpd associated with each IS. (within 10%) 9) *Recalculate %D for one tgt cmpd associated with each IS (within 10%) 10) *IS RRT<0.06 units (30 sec) 11) * IS area -50 % to 100 % of last ICAL 12) *option-review preparation logs to ensure cal stds are traceable to NIST stds. 13) *option-recalculate cal std concentration of one std. Must agree within 10% of lab (option if information is in data package)	Not analyzed. The samples were analyzed immediately following the ICV, which was in limits with the noted exceptions.	-	-	
Compound Quantitation	1) Check sensitivy with respect to QAPP MRLs and ARARs	Hexachloroethane MDL>MEG. This is the best available technology for this compound. QAPP MRL is also >MEG. No further action taken. Lab MRLs >QAPP MRLs for non-PAH SVOCs, but the MRLs are less than applicable MEGs and/or MCLs. No further action taken other than notation.	X	-	
Overall Evaluation of Data	1) Appropriate method 2) Evaluate any analytical problems 3) Evaluate sampling errors – field contamination, sample hold times	Analytical Error Evaluation: The laboratory precision and accuracy are acceptable for all compounds, as indicated by the LCS %R's and surrogates. The laboratory precision is acceptable as shown by the MS/MSD RPDs. MS/MSD recoveries and RPDs within limits except for 2,4 dimethylphenol. No apparent sample bias for other	x	-	.

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
		compounds. ICAL; Within MPC limits, except for for di-n-octylphthalate CCV: not analyzed. ICV: within limits except m&p cresol, 4-chloroaniline, 4-nitrophenol, pentachloropheonl Sampling Error Evaluation: Field sample: 1 Field duplicate: 4. Bis(2-ethylhexyl)phthalate only detection, and the SVOC RPD is less than 30%5. Overall precision is acceptable..			

*Tier III criteria.

Completeness Check: Inventory Check Sheet_____X__ Sample Quantitation Calculations (TIER III ONLY):

ECC Region I Data Review Worksheet (rv 3) **Metals 6010A/7470A**
Project: NAS Brunswick Site 9 ECC Job No. 5700 **Review Criteria: Site 09 QAPP & USEPA National Functional Guidelines**

Data Validation Level	Matrix	Preservation	Temperature Sample Receipt	Laboratory	SDG Number
Tier II	**Aqueous**	**Nitric Acid**	**5 coolers – Temp (^oC): 2.6, 3.0, 2.5, 2.6, & 3.0**	**Accutest Laboratory Marlboroug h, MA**	**Accutest # M41753**

Field Identification of Samples Evaluated:

Field ID	Lab Sample Number
BN-9-25-MW069	M41753-1
BN-9-25-MW-XD2	M41753-4
BN-9-25-MW070	M41753-5
BN-9-25-MW079	M41753-12

Note: Samples are described below in the data worksheets by reference to the last two digits of the Lab Sample Number

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
COC	1)Unbroken custody (accept or if broken R) 2) Temp≤6° (Soil-J detects, R -nondetects 3) preserved per method (amber bottles, temperature. J, UJ, or R (function of HT and compound)	Cooler temperatures <6C. Sample preservation adequate. Sample custody transferred from Field Team Leader to lab sample courier. Unbroken Chain of Custody. Sample preservation within limits. No samples qualified.	X	-	
Holding Time	1) 180 days (6010), Hg 28 Days to analysis 2) J –detects, UJ or R –nondetects (function of time)	All samples analyzed within holding time. No samples qualified.	X	-	
Field Dup RPD	1) RPD = 30% water (no QAPP Criteria) for Results > X PQL (FD pair only) J-detects (both > X PQL) 2) If one >X PQL, other ND, J-detections, UJ non-detect	Field Sample 1 / Field Duplicate 4 For metals with results less than the MRL the FD RPD was not calculated. The metals reported in the FD and field sample are similar. Overall precision acceptable, except for Zn, which had an RPD exceeding MPC.	X	Zn qualified J in samples 2 and 1 See attached FD data worksheet	
% Solids Check (SOLIDS)	30%<Solids: if no sample weight adjustment made 1) <10% R entire sample 2) 10%.> and <30%; J-detects, NDs -R	Not applicable for this matrix.	-	-	
Results > Cal Range or <Cal Range	1) >Upper Cal Range J-detects - ensure instrument blank performed 2) <MRL but >MDL – J –detects (estimated)	Analytes <MRL but >IDL are qualified J. Lab EDD results changed from B to J.	X	J qualify results that are <MRL but > IDL.	
Lab Blanks (method blank or preparation blank)	1) Once per sample batch 2) Results > QL; sample results <5X ; sample result U (nd) 3) Sample results >5X blank level; no action	Detected in Method blank Element and level / evaluation criteria Al : 26.9 <135 Ba: 0.7 <3.5 Ca: 8 < 40 Mn: 0.2 <1.0 Tl; 3.1 <15.5 V: 4.0 <20	X	V qualified U in samples 1,4,5 &12.	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
LCS Recovery	1) once per sample batch 2) 80-120% ICP metals and Hg. 3) <LCL% Reject 4) >UCL% detects J	LCS %R's acceptable for all elements. No samples qualified. Instrumental accuracy is acceptable.	X	-	
MS Recovery	1) 75-125% ICP metals and Hg if MS > 4X native levels) Qualification of MS sample: 2) <30% J detects, R NDs 3) 30%--74%, detects J, NDs UJ 4) >125% J detects	Native sample: 01 Matrix spike %R's are within limits. No samples qualified. No apparent matrix bias.	X	-	
Laboratory Replicate RPD	RPD < 20% No QAPP criteria provided	Lab ID: 01. Be, Cr, Co, Cu, Se, Ag, & Tl have RPDs>20%, but the reported levels in the field sample and/or the replicate are <MRL. No samples qualified. Precision is acceptable.	X	-	
Sensitivity*	1) MDL study – 7 replicates (40 CFR) 2) check and recalculate %RSDs and %R fir three compounds (with 10% of lab)	Dilution Factor = 1 for all samples. QAPP does not have MRLs nor Project action limits for metals.	X	-	
Equip Blank	< 5x contaminants for aq samples – for soil indicate EB (X rules don't apply)	Not collected/analyzed with this SDG	-	-	
Negative blanks	If negative values are reported for an analyte with absolute value >DL and sample value is <5X the absolute value of the blank or is nondetect Qualify detects as estimated (J) Nondetects as estimated (UJ)	Negative blank results are evaluated with the corresponding blank review item.	X	-	
Initial Cal Multipoint	1) Blank and 3 standards covering range of instrument. 2) high standard verification +/- %5 3) Hg 5-point calibration COD>0.99	ICP-AES Calibration performed by using blank and a high standard. Low-level checked with a CRI. Hg calibration curve linear. High level standard not analyzed. A low level check standard was analyzed.	X	-	
Initial Calibration Blanks (ICB)	1) Ical blank after Ical 2) Results > QL; sample results <5X ; sample result U (nd) 3) Blank concentrations < project RLs 4) Sample results >5X blank level; no action 5) ABS >RL then J qualify data	6010A ICB detects greater than the IDL are presented below followed the review criteria: Ca; 6.6 <33 Cu: 0.48 <2.4 Fe; -1.4 < 7 K; -74 <370 Zn; -1.1 <5.5 Hg ICB – non-detect.	X	Cu qualified U in sample 4. Zn qualified J in samples 1,5, & 12.	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
Continuing Calibration Blanks (CCB)	1) CCB every 10 samples end of run 2) Blank concentrations < project RLs 3) Results > QL; sample results <5X ; sample result U 4) Sample results >5X blank level; no action 5) ABS >RL then J qualify data.	Hg CCB non-detect for Hg. No samples qualified. 6010 CCB: As: 3.0 <15 Be: 0.14 <0.7 Cr: -0.32 <1.6 Cu: -0.65 <3.3 Mn: -0.15 <0.75 K; -94 < 470 Ag; 0.56 <2.8 V: 6.6 <33 Zn: -1.6 <8	X	As qualified U in sample 1. Cu nd Cr qualified J in samples 1 &4. K qualified J in sample 5, Silver qualified U in sample 1. V qualified U in sample 1,4,5,12, Zn qualified J in samples 1,4,5, &12	
Serial Dilution	1) once per digestion batch 2) Not required per QAPP- no criteria provided. 3) %D<10% 4) %D not evaluated if element results is <50X IDL 5) J detects, UJ non-detects.	Serial dilution sample: 01 (1:5) Al, Ba, Cr, Cu, Ni, K, Se, Ag, V, & Zn have %D>10% For these elements the field sample levels are <50 IDL. For results with element levels >50X IDL the %D's are within MPC. No apparent matrix bias. The Se results increaded upon sample dilution. No Se PDS analyzed as the MS %R's are within limits; the increase may be due to .	X	-	-.
Interelement checks ICS-A, ICS-AB Instrument performance check	1) start of sequence 2) 80-120% target analytes 3) >120% ; detects J (ICS-AB) 4) 50%-79% R ICS-AB; detects J, NDs – UJ 5) <50% R – reject data 6) ICS-A response > DL and samples have <5X ICS-A response: detects J (if DL is <10 ug/l use 2X DL). 7) Absolute value of negative ICS-A response>DL and sample detects <5X ICS-A response: detects J, NDs as UJ 8) If the ICS-A is within limits, the ICS-AB may not be analyzed (USACE Shell)	Both ICS-A and ICS-AB %R's for within MPC limits. No samples qualified.	X	-	
2nd Source ICV	1) following calibration 2) 90- 110% Recovery (6010/7000) 3) 75%-89% R – detects J, NDs – UJ 4) 111-125% R – detects J 5) outside 75-125% R – reject data (R) 6) Hg 80-120%	ICV %R's within MPC limits. No samples qualified.	X	-	

REVIEW ITEMS	ACCEPTANCE CRITERIA	SAMPLES AFFECTED Narrative (samples listed on attached sheets)	Inven-tory	QUAL	BIAS
CCV	1) every 10 samples and end of run 2) 90- 110% Recovery (6010) Hg; 80-120% 3) 6010: 75%-89% R Hg, 65-79% R; – detects J, NDs – UJ. 4) 6010: 111-125%, Hg: 121-135% detects J 5) 6010: outside 75-125%, Hg; outside 65-135%; R – reject data (R)	CCV%R's within limits; no samples qualified.	X	-	
Post Digestion Spike	1) Analyze if MS >MPC (QAPP) 2) 85- 115%R (QAPP Attachement A-1)	PDS not analyzed as MS %R's are within MPC. .	-	-	
*MDL Study	1) *In accordance with 40CFR – seven replicates %RSD < 20% 2) * IS and retention times within method requirements 3) * performed annually 4) *MDL is at least ½ of PQL *tgt and surrogate 80-120% R	NA	-	-	
*System Performance	1)* evaluate PES, MS//MSD, cal STDs, MDS study, and surrogates for systemic bias – high or low and access system accuracy 3) *Matrix effects- MS/MSD, surrogated, PDS. 4) *overall system contamination-review all blanks for systemic or sporadic contamination	NA	-	-	
Internal Standards	Within method limits.	NA	-		
Tune Check	Within Method limits.	NA	-		
Overall Evaluation of Data	1) Appropriate method 2) Evaluate any analytical problems 3) Evaluate sampling errors – field contamination, sample hold times	Analytical Error Evaluation: Laboratory accuracy and precision are acceptable. Accuracy is shown by the LCS being within limits, for all elements. Further the ICS-A, and ICS-AB were within limits for all elements. Laboratory duplicate within limits. No apparent matrix bias. ICAL: 1-point for ICP, and 5-point for Hg. Linear within limits. ICV: in limits CCV: in limits Sampling Error Evaluation: Field Sample 1 / Field Duplicate 4 For metals with results less than the MRL the FD RPD was not calculated. The metals reported in the FD and field sample are similar. Overall precision acceptable, except for Zn, which had an RPD exceeding MPC.	X	-	.

*TIER III DATA VALIDATION ONLY Completeness Check: Inventory Check Sheet___X_Sample Quantitation Calculations (TIER III DATA VALIDATION ONLY):

CHAIN OF CUSTODY

ACCUTEST

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #: M41753

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: SITE 9
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 8260B	TCL SVOC 8270C	TAL METALS 6010		Comments / Remarks
BN-9-25-MW069-MS/MSD	9/8/2004	1457	SW	GW	9					X		X	X		M41753-1,1S,1D
BN-9-25-MW069S-MS/MSD	9/8/2004	1310	SW	GW	6	X					X				-2,2S,2D
BN-9-25-MW069D	9/8/2004	1310	SW	GW	2	X					X				-3
BN-9-25-MW-XD2	9/8/2004	0000	SW	GW	5	X				X	X	X	X		-4
BN-9-25-MW070	9/9/2004	1102	SW	GW	3					X		X	X		-5
BN-9-25-MW071	9/8/2004	1410	DC	GW	2	X					X				-6
BN-9-25-MW-XD3	9/8/2004	0000	DC	GW	2	X					X				-7
BN-9-25-MW072	9/8/2004	1410	DC	GW	2	X					X				-8
BN-9-25-MW074	9/8/2004	1450	DC	GW	2	X					X				-9
BN-9-25-MW075	9/8/2004	1520	DC	GW	2	X					X				-10
BN-9-25-[redacted]	9/8/2004	1550	DC	GW	2	X					X				-11
BN-9-25-[redacted]	9/8/2004	1631	SW	GW	3					X		X	X		-12

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

Loc. 6F, 14D, 3J5, 3J6, 1A

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]	9/10/04 1500	1 [signature]	2 [signature]	9/10/04 1730	2 [signature]
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: ☑ 2.[illegible]°c, 2.6°c, 3.0°c

CHAIN OF CUSTODY

ACCUTEST

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #: M41753
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: SITE 9
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	% Moisture	Comments / Remarks
BN-9-25-MW080	9/8/2004	1535	DC	GW	2	X					X		M41753-13
BN-9-25-MW021	9/9/2004	1140	DC	GW	2	X					X		-14
BN-9-25-MW022	9/9/2004	1255	DC	GW	2	X					X		-15
BN-9-25-MW227	9/9/2004	1240	DC	GW	2	X					X		-16
BN-9-25-LT901-MS/MSD	9/8/2004	1945	SW	GW	6	X					X		-17,17S,17D
BN-9-25-LT-XD4	9/8/2004	0000	SW	GW	2	X					X		-18
BN-9-25-SW010-MS/MSD	9/8/2004	1230	SW	SW	6	X					X		~~-20~~ -19,19S,19D
BN-9-25-SW-XD5	9/8/2004	0000	SW	SW	2	X					X		-20
BN-9-25-SED010-MS/MSD	9/8/2004	1240	SW	SED	10		X		X	X	X	X	-21,21S,21D
BN-9-25-SED-XD6	9/8/2004	0000	SW	SED	4		X		X	X	X	X	-22
BN-9-25-QT1	9/8/2004	1000	FS	——	4	X	X		X		X		-23

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	9/10/04 1500	1	2	9/10/04 1730	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: ☑ 2.5°c, 2.6°c, 3.0°c

APPENDIX F

Field Monitoring and Sampling Forms

APPENDIX F.1

Groundwater Level Measurement Sheet

David C., Sue W. 9/9/04

SITE 9 MONITORING WELL GAUGING SUMMARY SEPT 2004

Well Designation	Previous Well Designation	Top of Well Riser Elevation (ft MSL)	Depth to Well Bottom (ft below Top of PVC Riser)	Depth to Water (ft below Top of PVC Riser)	Water Table Elevation (ft MSL)	Time
MW-NASB-069	MW-901	57.35	42.42	10.99		1300
MW-NASB-070	MW-902	58.26	27.32	11.98		1307
MW-NASB-071	MW-903	46.25	21.54	2.22		1310
MW-NASB-072	MW-904	49.81	14.63	9.27		1313
MW-NASB-073	MW-905	51.71	32.12	8.54		1326
MW-NASB-074	MW-906	51.68	27.12	9.46		1317
MW-NASB-075	MW-907	54.91	21.22	13.58		1316
MW-NASB-076	MW-908	52.79	19.94	11.29		1315
MW-NASB-077	MW-909	58.89	37.29	15.09		11:30
MW-NASB-078	MW-910	53.74	14.93	10.01		1319
MW-NASB-079	MW-914	58.15	18.92	11.90		1301
MW-NASB-080	MW-915	58.51	19.04	11.29		1302
MW-NASB-081	MW-916	58.22	18.85	10.98		1329
MW-NASB-021	None	57.35	50.30	11.62		1303
MW-NASB-022	None	59.52	17.97	10.47		1305
MW-NASB-204	None	62.09	17.93	9.47		1332
MW-NASB-227	None	58.39	40.60	10.12		12:50
Stream Gauging Station						
SG-1C	None	42.41[a]	NA	3.74		1352
SG-2	None	34.41[a]	NA	4.20		1349

eaning over

NOTES:

(a) Measurement from surveyed point on staff gauge. Zero mark on the staff gauge is the measured elevation.

MSL = Mean sea level
PVC = Polyvinyl chloride
NA = Not applicable

David C, Sue W. 9/9/04

MONITORING WELL GAUGING SUMMARY, NAVY EXCHANGE SERVICE STATION

Well Designation	Top of Well Riser Elevation (ft MSL)	Depth to Well Bottom (ft below Top of PVC Riser)	Depth to Water (ft below Top of PVC Riser)	Water Table Elevation (ft MSL)	Time
MW-NASB-8	59.22	13.15	2.91		1412
MW-NASB-9	59.00	11.50	3.66		1404
MW-NASB-10	62.03	12.48	6.69		1515
MW-NASB-23	67.29	21.90	7.91		1525
MW-NASB-24	65.31	13.15	6.36		1428
MW-NASB-25	64.34	14.70	6.83		1420
MW-NASB-26	66.61	12.55	7.85		1437
MW-NASB-225	64.61	3.35	Dry @ 3.35		1506
MW-NASB-226	62.22	12.68	5.01		1418
MW-NASB-250	60.21	10.00	1.19		1414
MW-NASB-251	62.39	8.55	4.41		1415
MW-NASB-252	60.54	11.75	2.53		1410

NOTES: MSL = Mean sea level
PVC = Polyvinyl chloride
Monitoring wells listed on this table are not part of Site 9.
Water elevations were collected at the Navy Exchange Service Station wells to provide data upgradient of Site 9.

Well I.D.	Depth to water	Time
MW-DP-1	8.11	1436
MW-DP-2	8.14	1434
MW-DP-3	8.11	1431
MW-DP-9	7.72	1438
MW-DP-13	8.07	1433
MW-DP-15	8.11	1522
MW-DP-19	Dry @ 2.69	1425
MW-B27-DP-2	3.99	1422
MW-B27-DP-4	2.92	1423

APPENDIX F.2

Field Record of Well Purging and Sampling Forms

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 9
Location: NASB, Brunswick, ME
Well ID: MW 69

Date: 9.8.04
Sampler: Suzanne W.
PID Reading: 0.0

Start Time: 13:55 **End Time:** 14:57
Well Construction: 2" PVC
Depth to water: 11.16
Well Depth: 42.55
Water Column: 31.39
Total Volume Removed (L) 9.1

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01J 0898 AT
YSI	600 XLM	02A09
LaMotte turbidimeter		3744-4602
Solinst water level indicator		
Rediflo Grundfos		4755

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
13:56	.1	150	11.24	15.03	6.54	0.340	2.05	117.8	11	clear
14:06	1.5	150	11.21	15.42	5.88	0.331	4.44	135.1	7	clear
14:16	1.5	150	11.21	15.45	5.87	0.332	4.15	135.9	5	clear
14:26	1.5	150	11.19	15.66	5.89	0.334	2.92	136.7	2	clear
14:36	1.5	150	11.19	15.67	5.89	0.335	2.61	136.8	1	clear
14:46	1.5	150	11.19	15.68	5.88	0.335	2.56	136.7	1	clear
14:51	.75	150	11.18	15.67	5.89	0.335	2.53	136.3	1	clear
14:56	.75	150	11.18	15.69	5.89	0.336	2.52	136.8	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
14:57	BN.9.25.MW069	1 L Amber	2	None	SVOC
14:57	BN.9.25.MW069	500 ml poly	1	HNO3	TAL Metals
00:00	BN.9.25.MW.XD2	same bottles as above			
14:57	BN.9.25.MW069 MS/MSD	same bottles as above			

Comments

Suzanne Whitesicle
Signature

9.8.04
Date

Environmental Chemical Corporation

Aqueous Diffusion Sampling Log

Project: Site 9
Location: NASB, Brunswick, ME
Well ID: MW-069

Date: 9/8/04
Sampler: David C.
PID Reading: 0.0ppm

Well Construction: 2" PVC
Depth to water: 11.15'
Well Depth: 42.55'
Water Column: 31.40'

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	02H1015 AB
YSI	600XL	01K0643 AA
Solinst	water level meter	02929

Time	Temp (celsius)	pH (STD)	SPC uS/cm^c	DO (mg/L)	ORP (mV)	
12:50	13.47	6.54	321	1.98	41.5	Shallow
1300	13.44	6.62	373	1.85	22.0	Deep

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1310	BN-9-25-MW069S	40ml vial	2	HCl	VOC
1310	BN-9-25-MW069D	40ml vial	2	HCl	VOC
00:00	BN-9-25-MW-XD2	40ml vial	2	HCl	VOC
1310	BN-9-25-MW069S-MS/MSD	40ml vial	4	HCl	VOC

Comments

Signature

9/8/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 9
Location: NASB, Brunswick, ME
Well ID: MW 070

Date: 9-9-04
Sampler: Suzanne W.
PID Reading: 0.0

Start Time: 10:00 **End Time:** 11:02
Well Construction: 2" PVC
Depth to water: 12.04
Well Depth: 23.14
Water Column: 11.08
Total Volume Removed (L) 9.1

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01J0898 AT
YSI	600 XLM	02A0927 AA
LaMotte turbidimeter		3744-4602
Solinst water level indicator		
Grundfos rediflo		

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
10:01	.1	150	12.32	14.02	8.74	0.178	4.31	51.7	9	clear
10:11	1.5	150	12.34	13.63	6.21	0.116	1.07	142.3	2	clear
10:21	1.5	150	12.36	13.72	5.96	0.119	0.81	166.9	1	clear
10:31	1.5	150	12.38	13.59	5.80	0.122	0.62	179.6	1	clear
10:41	1.5	150	12.39	12.48	5.68	0.126	0.37	198.3	1	clear
10:51	1.5	150	12.38	13.28	5.70	0.129	0.31	196.6	1	clear
10:56	.75	150	12.38	13.27	5.71	0.129	0.33	197.8	1	clear
11:01	.75	150	12.37	13.27	5.70	0.129	0.33	197.9	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
11:02	BN-9-25-MW070	1L Amber	2	None	SVOC
11:02	BN-9-25-MW070	500 ml poly	1	HNO_3	TAL Metal

Comments

Suzanne Whitcomb
Signature

9-9-04
Date

Environmental Chemical Corporation

Aqueous Diffusion Sampling Log

Project: Site 9
Location: NASB, Brunswick, ME
Well ID: MW-071

Date: 9/8/04
Sampler: David C.
PID Reading: 0.0ppm

Well Construction: 2" PVC
Depth to water: 2.58'
Well Depth: 21.86'
Water Column: 19.28'

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	02H1015 AB
YSI	600XL	01K0643 AA
Solinst	water meter	02929

Time	Temp (celsius)	pH (STD)	SPC uS/cm^c	DO (mg/L)	ORP (mV)
14:20	12.46	7.16	330	1.52	-29.5

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1400	BN-9-25-MW071	40ml vial	2	HCl	VOC
00:00	BN-9-25-MW-XD3	40ml vial	2	HCl	VOC

Comments

Signature

9/8/04
Date

Environmental Chemical Corporation

Aqueous Diffusion Sampling Log

Project: Site 9
Location: NASB, Brunswick, ME
Well ID: MW-072

Date: 9/8/04
Sampler: David C.
PID Reading: 0.0ppm

Well Construction: 2" PVC
Depth to water: 9.81'
Well Depth: 14.93'
Water Column: 5.12'

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	02H1015 AB
YSI	600XL	01K0643 AA
Solinst	water meter	02929

Time	Temp (celsius)	pH (STD)	SPC uS/cm c.	DO (mg/L)	ORP (mV)
1420	10.57	6.92	164	0.61	13.7

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1410	BN-9-25-MW072	40ml vial	2	HCl	VOC

Comments

Signature

9/8/04
Date

Environmental Chemical Corporation

Aqueous Diffusion Sampling Log

Project: Site 9
Location: NASB, Brunswick, ME
Well ID: MW-074

Date: 9/8/04
Sampler: David C.
PID Reading: 0.0ppm

Well Construction: 2" PVC
Depth to water: 10.08'
Well Depth: 27.45'
Water Column: 17.37'

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	02H1015 AB
YSI	600XL	01K0643 AA
Solinst	water meter	02929

Time	Temp (celsius)	pH (STD)	SPC uS/cm^{c}	DO (mg/L)	ORP (mV)
1500	10.96	7.37	371	1.29	-42.1

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1450	BN-9-25-MW074	40ml vial	2	HCl	VOC

Comments

Signature

9/8/04
Date

Environmental Chemical Corporation

Aqueous Diffusion Sampling Log

Project: Site 9
Location: NASB, Brunswick, ME
Well ID: MW-075

Date: 9/8/04
Sampler: David C.
PID Reading: 0.0ppm

Well Construction: 2" PVC
Depth to water: 13.91'
Well Depth: 21.44'
Water Column: 7.53'

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	02H1015 AB
YSI	600XL	01K0643 AA
Solinst	water meter	02929

Time	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)
15:30	12.18	6.46	412	2.02	28.8

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
15:20	BN-9-25-MW075	40ml vial	2	HCl	VOC

Comments

Signature

9/8/04
Date

Environmental Chemical Corporation

Aqueous Diffusion Sampling Log

Project: Site 9
Location: NASB, Brunswick, ME
Well ID: MW-076

Date: 9/8/04
Sampler: David C.
PID Reading: 0.0ppm

Well Construction: 2" PVC
Depth to water: 11.58'
Well Depth: 20.28'
Water Column: 8.70'

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	02H1015 AB
YSI	600XL	01K0643 AA
Solinst	water meter	02929

Time	Temp (celsius)	pH (STD)	SPC uS/cm^c	DO (mg/L)	ORP (mV)
1600	12.31	6.87	368	2.01	-26.3

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
15:50	BN-9-25-MW076	40ml vial	2	HCl	VOC

Comments

Signature

9/8/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 9 **Date:** 9-8-04

Location: NASB, Brunswick, ME **Sampler:** Suzanne W.

Well ID: MW 79 **PID Reading:** 0.0

Start Time: 15:29 **End Time:** 16:31

Well Construction: 2" PVC

Depth to water: 11.98

Well Depth: 18.09

Water Column: 6.11

Total Volume Removed (L) 9.1

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01J0898AT
YSI	600 XLM	02A09
LaMotte turbidimeter		3744-4602
Solinst water level		
Rediflo grundfos		4755

Time	volume removed (liters)	Flow Rate (ml/min)	Depth To Water (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
15:30	.1	150	12.19	16.27	6.01	0.311	1.19	260.0	50	clear
15:40	1.5	150	12.24	17.31	6.82	0.301	0.20	-89.1	30	clear
15:50	1.5	150	12.30	17.27	6.88	0.289	0.12	-169.4	10	clear
16:00	1.5	150	12.29	17.31	6.89	0.288	0.12	-177.3	8	clear
16:10	1.5	150	12.28	17.33	6.90	0.287	0.12	-191.8	4	clear
16:20	1.5	150	12.28	17.36	6.91	0.287	0.11	-202.7	3	clear
16:25	.75	150	12.27	17.40	691	0.243	0.11	-217.0	3	clear
16:30	.75	150	12.26	17.42	6.91	0.243	0.11	-220.6	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
16:31	BN9-25-MW079	1L Amber	2	None	SVOC
16:31	BN9-25-MW-079	500 ml poly	1	HNO3	TAL Metals

Comments

Suzanne Whiteside
Signature

9-8-04
Date

Environmental Chemical Corporation

Aqueous Diffusion Sampling Log

Project: Site 9
Location: NASB, Brunswick, ME
Well ID: MW-080

Date: 9/8/04
Sampler: David C.
PID Reading: 0.0ppm

Well Construction: 2" PVC
Depth to water: 11.37'
Well Depth: 19.38'
Water Column: 8.01'

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	02H1015 AB
YSI	600XL	01K0643 AA
Solinst	water meter	02929

Time	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)
1545	15.50	7.22	370	1.35	-60.3

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
15:35	BN-9-25-MW080	40ml vial	2	HCl	VOC

Comments

Signature

9/8/04
Date

Environmental Chemical Corporation

Aqueous Diffusion Sampling Log

Project: Site 9
Location: NASB, Brunswick, ME
Well ID: MW-021

Date: 9/9/04
Sampler: David C.
PID Reading: 0.0ppm

Well Construction: 2" PVC
Depth to water: 11.62'
Well Depth: 49.97'
Water Column: 38.35'

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	01J0898 AT
YSI	600XL	02A0927 AA
Solinst	water meter	02468

Time	Temp (celsius)	pH (STD)	SPC uS/cm^c	DO (mg/L)	ORP (mV)
11:45	13.70	6.33	303	0.51	233.6

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
11:40	BN-9-25-MW021	40ml vial	2	HCl	VOC

Comments

Signature

9/9/04
Date

Environmental Chemical Corporation

Aqueous Diffusion Sampling Log

Project: Site 9
Location: NASB, Brunswick, ME
Well ID: MW-022

Date: 9/9/04
Sampler: David C.
PID Reading: 0.0ppm

Well Construction: 2" PVC
Depth to water: 10.47'
Well Depth: 18.04'
Water Column: 7.57'

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	01J0898 AT
YSI	600XL	02A0927 AA
Solinst	water meter	02468

Time	Temp (celsius)	pH (STD)	SPC uS/cm^c	DO (mg/L)	ORP (mV)
1305	14.70	6.42	438	5.29	210.6

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
12:55	BN-9-25-MW022	40ml vial	2	HCl	VOC

Comments

Signature

9/9/04
Date

Environmental Chemical Corporation

Aqueous Diffusion Sampling Log

Project: Site 9
Location: NASB, Brunswick, ME
Well ID: mw-227

Date: 9/9/04
Sampler: David C.
PID Reading: 0.0ppm

Well Construction: 2" PVC
Depth to water: 10.12'
Well Depth: 40.04'
Water Column: 29.92'

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	01J0898 AT
YSI	600XL	02A0927 AA
Solinst	water meter	02468

Time	Temp (celsius)	pH (STD)	SPC uS/cm^c	DO (mg/L)	ORP (mV)
12:50	12.17	6.37	292	0.56	198.0

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
12:40	BN-9-25-MW227	40ml vial	2	HCl	VOC

Comments

Signature

9/9/04
Date

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Project Name: NASB, ME LTM
Site: 9
Project Number: 5700.007
Sample Location ID: SW-10, SED-10
Date / Time: 9/8/04 12:15
ECC Personnel: David C., Sue W.

SURFACE WATER / LEACHATE SEEP INFORMATION

Type of S.W. (X) Stream ( ) River ( ) Seep

Water Depth: 6 inches	Dissolved Oxygen (mg/L): 6.76
Velocity of Water: 0.2 ft. Per. Sec.	ORP (mV) -8.5
Temperature (C): 15.16	Specific Conductance (uS/cm^c): 272
pH (units): 7.00	Turbidity (NTU) 2

Sample Observations:
( ) Odor NO
( ) Color clear
( ) Other

SEDIMENT / LEACHATE SEEP SEDIMENT INFORMATION

Sed. Type: (X) Organic ( ) Gravel ( ) Clay (X) Silt (X) Sand ( ) Other _____

Type of Samp. Collected: (X) Discrete ( ) Composite

Sample Observations:
( ) Odor NO
( ) Color Brown
( ) Other

SAMPLES COLLECTED

Sample Identification	Sample Location	Date / Time	Matrix Aqueous	Matrix Solid	Preservative	Number of Containers
BN-9-25-SW010	SW-10	9/8/04 12:30	X		HCl	2
BN-9-25-SW-XD5	SW-10	9/8/04 00:00	X		HCl	2
BN-9-25-SW010-MS/MSD	SW-10	9/8/04 12:30	X		HCl	4
BN-9-25-SED010	SED-10	9/8/04 12:40		X	Meth/Bisulfate	3 + → (1) % moisture
BN-9-25-SED-XD6	SED-10	9/8/04 00:00		X	Meth/Bisulfate	3 + →
~~Notes / Comments:~~						
BN-9-25-SED010-MS/MSD	SED-10	9/8/04 12:40		X	Meth/Bisulfate	6 + → (1) % moisture

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Project Name: NASB, ME LTM
Site: 9
Project Number: 5700.007
Sample Location ID: LT-901
Date / Time: 9-8-04 10:30
ECC Personnel: David C., Sue W.

SURFACE WATER / LEACHATE SEEP INFORMATION

Type of S.W. (X) Stream ( ) River (X) Seep

Water Depth: 3 inches	Dissolved Oxygen (mg/L): 4.52
Velocity of Water: 0 ft. per sec. (slight movement)	ORP (mV) -24.4
Temperature (C): 17.47	Specific Conductance (uS/cm^c): 390
pH (units): 7.36	Turbidity (NTU) 8

Sample Observations:
( ) Odor NO
( ) Color orange, Brown
( ) 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-9-25-LT901	LT-901	9/8/04 10:45	X		HCl	2
BN-9-25-LT-XD4	LT-901	9/8/04 00:00	X		HCl	2
BN-9-25-LT-MS/MSD	LT-901	9/8/04 10:45	X		HCl	2

Notes / Comments:

CHAIN OF CUSTODY

ACCUTEST

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #: M41753
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: SITE 9
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 8260B	TCL SVOC 8270C	TAL METALS 6010		Comments / Remarks
BN-9-25-MW069-MS/MSD	9/8/2004	1457	SW	GW	9					X		X	X		M41753-1,1S,1D
BN-9-25-MW069S-MS/MSD	9/8/2004	1310	SW	GW	6	X					X				-2,2S,2D
BN-9-25-MW069D	9/8/2004	1310	SW	GW	2	X					X				-3
BN-9-25-MW-XD2	9/8/2004	0000	SW	GW	5	X				X	X	X	X		-4
BN-9-25-MW070	9/9/2004	1102	SW	GW	3					X		X	X		-5
BN-9-25-MW071	9/8/2004	1410	DC	GW	2	X					X				-6
BN-9-25-MW-XD3	9/8/2004	0000	DC	GW	2	X					X				-7
BN-9-25-MW072	9/8/2004	1410	DC	GW	2	X					X				-8
BN-9-25-MW074	9/8/2004	1450	DC	GW	2	X					X				-9
BN-9-[redacted]075	9/8/2004	1520	DC	GW	2	X					X				-10
BN-9-2[redacted]	9/8/2004	1550	DC	GW	2	X					X				-11
BN-9-25[redacted]	9/8/2004	1631	SW	GW	3					X		X	X		-12

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

Loc. 6F, 14D, 3J5, 3J6, 1A

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]	9/10/04 1500	1 [signature]	2 [signature]	9/10/04 1730	2 [signature]
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: ☑ [illegible], 2.6°c, 3.0°c

CHAIN OF CUSTODY

ACCUTEST

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #: M41753
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: SITE 9
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	% Moisture		
BN-9-25-MW080	9/8/2004	1535	DC	GW	2	X					X		M41753	-13
BN-9-25-MW021	9/9/2004	1140	DC	GW	2	X					X			-14
BN-9-25-MW022	9/9/2004	1255	DC	GW	2	X					X			-15
BN-9-25-MW227	9/9/2004	1240	DC	GW	2	X					X			-16
BN-9-25-LT901-MS/MSD	9/8/2004	1945	SW	GW	6	X					X			-17,17S,17D
BN-9-25-LT-XD4	9/8/2004	0000	SW	GW	2	X					X			-18
BN-9-25-SW010-MS/MSD	9/8/2004	1230	SW	SW	6	X					X			~~-20~~ -19,19S,19D
BN-9-25-SW-XD5	9/8/2004	0000	SW	SW	2	X					X			-20
BN-9-25-SED010-MS/MSD	9/8/2004	1240	SW	SED	10		X		X	X	X	X		-21,21S,21D
BN-9-25-SED-XD6	9/8/2004	0000	SW	SED	4		X		X	X	X	X		-22
BN-9-25-QT1	9/8/2004	1000	FS	——	4	X	X		X		X			-23

Comments / Remarks

Turnaround Information

- ☐ 21 Day Standard
- ☐ 14 Day
- ☐ 7 Days *EMERGENCY*
- ☐ Other _____ (Days)

Approved By:

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

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]	9/10/04 1500	1 [signature]	2 [signature]	9/10/04 1730	2 [signature]
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: ☑ 2.5°c, 2.6°c, 3.0°c