



**THE MEMPHIS DEPOT  
TENNESSEE**

---

**ADMINISTRATIVE RECORD  
COVER SHEET**

AR File Number 291

---

# DEFENSE DISTRIBUTION DEPOT MEMPHIS

---

## GROUNDWATER MONITORING REPORT

March 1998



**CH2MHILL**



U.S. Army Engineering  
and Support Center,  
Huntsville

# CH2MHILL TRANSMITTAL

291 2

**TO:** Defense Distribution Depot, Memphis  
2163 Airways Blvd.  
Memphis, TN 38114

**FROM:** Greg Underberg  
CH2M HILL

**ATTN:** Shawn Phillips

**DATE:** June 2, 1998

**RE:** Transmittal of DDMT March 1998 Groundwater Report Under Delivery Order 4 of Contract DACA87-94-D-0005

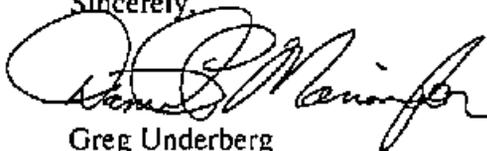
**PROJECT NUMBER:** 113630.23.03

**REMARKS:**

Please find enclosed 13 copies of the March 1998 Groundwater Report for the Defense Distribution Depot Memphis, Tennessee. Also, please find the Response to Comments for the June 1997 and September 1997 reports included in the front of each document.

If you have any questions or comments, please call me at (432) 483-9032.

Sincerely,



Greg Underberg  
Project Manager

ORO/DDMT\_001.DOC  
Enclosures

**Response to EPA Region IV  
Comments on the Quarterly Groundwater Monitoring Report  
Second Quarter 1997**

**Overview of Quarterly Groundwater Monitoring Reports**

The Second Quarter, 1997, Groundwater Monitoring Report is the first of four groundwater monitoring summary reports that will be submitted following each groundwater monitoring event. The groundwater data were intended to be provided in data reports after each quarter, which would culminate in a complete evaluation of groundwater data trends in the groundwater data summary report provided after the fourth groundwater monitoring event. As identified in the following comment responses, EPA's comments on the Second Quarter, 1997, report will be incorporated into either the March 1998, monitoring report (currently under preparation) or the final report to be prepared after the fourth monitoring event scheduled for August 1998.

**General Comments:**

1. *Table 2-1 indicates that two wells were sampled for tritium (different ones than in the last sampling round (first quarter) however, the data are not included in the report.*

**Response:** Tritium data were collected to evaluate the potential interconnection between the fluvial and the underlying confined flow systems. The samples were taken from the fluvial/confined system well pairs MW32/MW37 and MW34/MW36. The data have been analyzed using a method which has lower detection limits than the method reported in the Groundwater Characterization Data Report. Tritium data from the first quarter samples were not conclusive. The interconnectedness of the aquifers will be evaluated and reported in the fourth and final groundwater monitoring report. The interim monitoring reports will not be resubmitted.

2. *Table 3-2 includes values for Preliminary Remediation Goals (PRGs) for inorganic and organic constituents. How were these values derived? More explanation is needed. Some of these values may not be realistic targets for remediation for inorganic constituents. For example, manganese has a PRG of 18.25 µg/L, which is lower than concentrations measured in the fluvial deposits in other areas in Shelby County unaffected by contamination.*

**Response:** The criteria presented in Table 3-2 are based on the lowest criteria identified in Table 3-7 of the *Final Generic Remedial Investigation/Feasibility Study Work Plan* (CH2M HILL; August, 1995). It is agreed that some of the parameter-specific criteria are overly conservative. The criteria will be updated and further evaluated in the Main Installation Remedial Investigation Report.

3. *In the section discussing the trace metals and VOCs, a table including results from both rounds of data collection is needed to compare results.*

**Response:** This table will be produced in the monitoring report for the March 1998, sampling event. Data from all available monitoring events will be presented, including data from the September 1997, and March 1998, sampling events.

4. *Considering the number of samples collected and the concentrations of contaminants detected, two equipment blanks probably are not adequate to assure data quality. Additional information about sampling procedures may be contained in another document, but in order to evaluate the data collected and presented in this report, additional information about sampling and decontamination procedures is needed. Where is the pump positioned during purging vs. sampling? What is the discharge rate of the pump, is it constant? Were the pumps or bailers used for collection of equipment blanks? Was blank water pumped through the pump? Were the equipment blanks clean?*

**Response:** It is agreed that more than two equipment blanks should be taken. Four equipment blanks were collected in each of the subsequent (September 1997, and March 1998) sampling events. Material blanks of the ASTM Type-II water generated with the onsite water purifier were taken during all groundwater sampling events. Calcium, copper, iron, manganese, and iron were detected in trace concentrations typical of deionized ASTM Type-II water in both equipment and material blanks. Typical laboratory contaminants (acetone, methylene chloride, and bis(2-ethylhexyl)phthalate) were detected in both equipment and material blanks.

During purging, the pump was worked up and down the saturated thickness to evacuate the standing water in the well. The purge was completed by positioning the pump in the center of the 10-foot well screen, slowing the pump to a low sustained pump rate to minimize entrainment of suspended materials. After purging and sampling of metals, semivolatile organic compounds, and other compounds; the pump was removed, the well was allowed to stabilize for 15 minutes, then volatile organic compounds were sampled from the center of the well screen with a bailer.

Equipment blanks were taken from the Grundfos pumps by pumping water through the decontaminated pump and an approximate 5-foot section of tubing. Dedicated tubing was used on all wells. Equipment blanks were not collected from the disposable teflon bailers used on all wells.

5. *Given that the analytical data for the VOCs prior to 1996 were collected by different consulting firms, using varying sampling methods, and the analyses were performed at different laboratories, some limitations for data interpretation should be discussed. The plots presented in Figures 3-13 through 3-16 do not represent a trend analysis, rather they are a qualitative evaluation of changes in concentration over time. Are the changes in concentration statistically significant?*

**Response:** A more thorough evaluation of data trends will be provided in the third and the final groundwater monitoring reports. The first two sampling rounds (Law, 1990, and ESE, 1993) were performed by different laboratories using different sampling methods and personnel. Samples collected by CH2M HILL (February 1996; June 1997; September 1997; and March 1998) were all analyzed in CH2M HILL's QAL Laboratory in Montgomery, Alabama, and the sampling technique has been consistent between sampling rounds. To some extent, qualitative analysis of data will have to be performed since five rounds of comparable data (including the sampling events scheduled for March and August 1998) will not produce a statistically meaningful

evaluation of seasonal variation. Sampling events were scheduled in periods of high and low precipitation. In the final report, trends in concentration will be evaluated relative to precipitation data. Limitations in interpretation and laboratory and sampling method effects will also be discussed in the final groundwater monitoring report.

6. *What is the relationship of well depth to the occurrence of VOCs? In some cases wells that appear to be adjacent to each other (i.e., MW-2 and MW-10 in Figures 3-3 and 3-4; MW-12 and MW-35 in Figure 3-5), have considerably different concentrations of VOCs or even non-detectable concentrations adjacent to a relative high concentration. More information is needed about the occurrence of VOCs with respect to depth in the fluvial deposits and the depth of the wells.*

**Response:** Most of the wells are completed near the base of the fluvial deposits; however, records from wells MW-2 through MW-39 do not in all cases confirm that the base of the well screen is set at the contact between the unconfined fluvial sands and the underlying confining unit clays. Recent groundwater extraction wells constructed along the west-central perimeter of Dunn Field indicate that the saturated thickness of the fluvial aquifer ranges from 11.5 to 19.7 feet. Well construction records that do not show the confining unit clay do show that the 10-foot well screen is saturated, indicating that the base of the wellscreen is near the base of the fluvial sands. An evaluation of groundwater chemistry relative to well completion depth will be provided in the final groundwater monitoring report.

7. *A couple of wells had very high concentration of chloride. These data are interesting in that chloride may be a primary contaminant and therefore could be a conservative tracer of a plume. Another possibility could be that the elevated concentrations could be the result of reductive dechlorination of PCE/TCE and indicate that natural attenuation of contaminants is occurring. Some discussion of these data is warranted and an explanation of selection criteria or rationale for which wells were sampled for chloride and additional parameters such as nitrate and iron. Not clear why MW-36 (a Memphis Sand well) was sampled for chloride.*

**Response:** A discussion of chloride concentrations and the results from other natural attenuation parameters will be provided in the third and the final monitoring reports. Additional natural attenuation parameters were analyzed in the March 1998, sampling event and will again be analyzed in the August 1998, event. Rationale for selection of the wells sampled for natural attenuation parameters will also be provided. Chloride was sampled in Memphis Sand wells MW-36 and MW-37 as part of a suite of groundwater quality parameters intended to evaluate geochemical evidence for a potential hydraulic connection between the Memphis Sand and the overlying fluvial groundwater system. The results of this analysis is reported in Section 3.6.4 of the Groundwater Characterization Data Report (August, 1997). Additional chemical data are being collected to confirm the interpretation discussed in this report: that there is no geochemical evidence that the Fluvial and Memphis Sand Aquifers are mixing in the Dunn Field Area.

**Specific Comments:**

1. Page 1-4, second paragraph, line 1; please delete "terrace".
2. Page 1-4, second paragraph, line 3; please delete "unit".
3. Page 1-5, fifth paragraph, line 6; please change "depressed" to --low in the--.
4. Page 1-5, last paragraph, line 2; please change "likely" to --possible--.
5. Figure 1-2 and Figure 1-5; the locations of MW-32 and MW-37 are different in these figures. Please correct accordingly.
6. Page 2-1, fifth bullet; please change "de watered" to --pumped dry--.
7. Page 2-2, sixth paragraph, line 2; please change "was" to --were--.
8. Page 2-2, seventh paragraph; where was pump positioned during purging? Please define "a minimum discharge capacity".
9. Page 2-2, eighth paragraph, line 1; please delete "of discharge water".
10. Page 2-2, eighth paragraph, line 3; please change "The VOA portion of the sample was" to --Samples for VOC analysis were--.
11. Page 2-2, eighth paragraph, last line; please change "VOA" to --VOC--.
12. Page 2-2, last paragraph, line 1; please insert --of sampling equipment-- after "decontamination".
13. Page 2-2, last paragraph, last line; please delete "and development".
14. Page 3-1, first paragraph, line 1; please insert --measured-- before "groundwater". Please change "elevation" to --elevations--, and delete "distributions."
15. Page 3-1, first paragraph, line 5; please change "a groundwater" to --the groundwater--.
16. Page 3-1, second paragraph, lines 2-3; please delete "exhibit trends in groundwater flow". Please change "an elongated central" to --are--.
17. Page 3-1, second paragraph, line 5; please delete "apparently".
18. Page 3-1, third paragraph, last line; please delete "It is likely that".
19. Page 3-2, first two lines; please change "groundwater" to --Groundwater--. Please change "trending feature...the clay." to --depression in the water table--.
20. Page 3-2, second paragraph; not clear what will be assessed.
21. Page 3-2, last paragraph, lines 4-6; please change "As discussed in Section 3.2.3, sample" to --Sample--. Please change "sample concentration" to --trace metal concentrations--. Please change "variation" to --differences--.
22. Page 3-3, second paragraph, line 1; please change "reported" to --detected--.
23. Page 3-3, fourth paragraph, line 1; please change "reported" to --detected--.

24. Page 3-3, last paragraph, line 1; please change "reported" to ~~detected~~.
25. Page 3-5, single bullet; please change "in low levels" to ~~at low concentrations~~.
26. Page 3-6, last paragraph, last line; please delete "consecutive".
27. Table 3-2; please add definition of J, U, =, S and C.

**Response to Specific Comments:** Specific comments 1-27 are accepted and will be incorporated in the third groundwater monitoring report. Some of these specific comments may not be applicable if there are changes in the text.

RESPONSE TO EPA REGION IV  
COMMENTS ON THE QUARTERLY GROUND-WATER MONITORING REPORT  
THIRD QUARTER

The following comments have been incorporated into the March 1998 Groundwater Quarterly Report:

1. *A thorough review of all figures in the report is necessary. Several figures (1-1 through 1-5, 3-1 through 3-9) have inaccuracies, missing data or the data presented are inconsistent with the respective written sections of the report. For example, in Figure 1-5 MW-42 (confining unit at 216.10 feet elevation) is located between two 210 feet elevation isopleths. Should be an additional isopleth here? Figures contents should accurately reflect the figure titles and vice versa. For example, the title for Figure 3-4 includes "Groundwater Elevations" which are not present in the first four graphs. Figure 1-2 includes soil borings while the figure title specifies "...Well Locations". Also, symbols used in figures need to be consistent in order for the reader to compare and contrast the data (see Figure 3-9, symbols for the metal change among the graphs). Data discussed in the report should be accurately represented on the figures and figures with data should be properly discussed (see Figures 3-4 and 3-9, pages 3-9 and 3-10). The graphs for Figure 3-4 do not show any September 1997 data although the report discusses this data. Also, the x-axes of the graphs for Figure 3-9 do not list "1993".*

**Response:** All figures have been thoroughly reviewed for completeness of data and consistency with the text. Regarding Figure 1-5, the next isopleth greater than 216.1 would be 220. There is no data that supports this interpretation.

Figures have been modified to appropriately reflect titles and vice versa. While the title for Figure 3-4 includes "Groundwater Elevations", the first four graphs do not include this information because an elevation reference datum has not been surveyed for these wells. The depth to groundwater is known, but the groundwater elevation could not be calculated. Figure 1-2 was revised to read "Groundwater Monitoring Well and Soil Boring Locations".

The symbols in the figures have been reviewed for consistency. Different symbols must be used for the monitoring well locations in the figures showing distribution of metals (Figures 3-8 and 3-10 through 3-13). The smaller size "bubbles" used to demonstrate the distribution range of concentrations are similar to the monitoring well location symbols used in the remaining figures.

The text has been revised to accurately represent the figures. The data in Figures 3-4 and 3-9 has been appropriately addressed in the text. The graphs for Figure 3-4 have been revised to show September 1997 data. The x-axes of the graphs for Figure 3-9 have been modified to include all sample data to date.

RESPONSE TO EPA REGION IV  
COMMENTS ON THE QUARTERLY GROUND-WATER MONITORING REPORT  
THIRD QUARTER

2. *There are questions concerning well locations on Figure 1-2. Why is MW-32 missing? Why is MW-6 present twice? Are MW-28, MW-46, and MW-49 located inside or outside the Dunn Field? Why is there a well symbol near MW-35 that has no well designation? Depending on the degree of error, some revisions to the potentiometric surface, and the base of fluvial depositions maps may be necessary.*

**Response:** Figure 1-2 and all other figures have been thoroughly reviewed and revised to show the correct locations of all monitoring wells. The previous interpretations made from these maps are not impacted by any of the corrections.

3. Page 2-1, bullet number 4 reports the use of submersible pump or disposable bailers for well purging. However, in the "Purged Logs" appendix, the notes indicate that MW-16 was purged with a bailer that was decontaminated. Does this mean some of your wells were purged with non-disposable bailers?

**Response:** The box was incorrectly checked in the field. All wells were sampled with disposable bailers, and none of the bailers were reused.

4. *Items listed in "Notes" at the bottom of Table 2-1 do not accurately reflect data that is included in the Table. For example, tritium, pesticides/PCBs and herbicides are not included in the "Analysis" column. It would be helpful if tables had page numbers included on them.*

**Response:** Table 2-1 has been thoroughly reviewed and revised to reflect the analytical parameters for the March 1998 sampling event. Based on the report format, all tables are included at the end of the section for easy reference and to maintain a high degree continuity of text while reading the document. Numbering the figures/tables is not standard for this format.

5. *A brief discussion is warranted on the meaning of "PRG", "PRG Basis", "Background" and "Background Basis" columns in Table 3-2. Why do some of the columns have values and others not?*

**Response:** The criteria presented in Table 3-2 are based on the lowest criteria identified in Table 3-7 of the *Final Generic Remedial Investigation/Feasibility Study Work Plan* (CH2M HILL; August, 1995). For the constituents that do not have values, associated PRGs will be further evaluated in the Main Installation and Dunn Field Remedial Investigation Reports. A note will be added to the bottom of the table indicating the source of these data.

**RESPONSE TO EPA REGION IV  
COMMENTS ON THE QUARTERLY GROUND-WATER MONITORING REPORT  
THIRD QUARTER**

6. *Figures showing the distribution of VOC concentrations with isopleths warrant more review. Some figures show isopleths which do not agree with the data points (Figures 3-2 and Figures 3-5 through 3-7). For proper evaluation of the data, please provide background data, either in a table, figure or some other format.*

**Response:** The figures showing the distribution of VOC are based on the concentrations contained in Table 3-2. There are some cases where a well with a high concentration is located very close to a well with a low concentration. The most conservative approach is to establish isopleths that are based on the higher number. As suggested, all figures have been reviewed for any possible errors, and revised accordingly.

7. *According to the contaminant concentration figures and the water-level elevation figure in the report, some wells at the site were apparently neither sampled for water quality analyses nor measured for water-level elevations during the September 1997 investigation. There should be some discussion as to the reason(s) for this.*

**Response:** Some wells were not sampled because they are dry (MW-7) or they were included in the monitoring program (MW-18 and MW-27). For MW-2 through MW-7, a reference datum is not available, and therefore groundwater elevations are not known. However, depths to groundwater were measured for all wells.

All wells containing enough water to allow for sample collection will be included in the September 1998 sampling event.

8. *References used in the report need to be represented in Section 5.0 (References). For example, there is no reference listed in Section 5.0 for Figure 1-1 (the figure denotes the source as "Engineering-Science, 1993") and there is no reference listed in Section 5.0 for Figure 1-3 (the figure denotes the source as "Parks, 1990").*

**Response:** The appropriate references will be added to Section 5.

# TAB

Results and Discussion

# Contents

---

1.0	Introduction.....	1-1
1.1	Facility Background.....	1-2
1.2	Hydrogeology .....	1-3
1.2.1	Regional Hydrogeology .....	1-3
1.2.2	DDMT Site-Specific Hydrogeology .....	1-5
2.0	Field Methods .....	2-1
2.1	Groundwater Sampling .....	2-1
2.1.1	Sampling with Teflon Bailer .....	2-2
2.1.2	Sampling with Submersible Pump and Bailer .....	2-2
2.2	Investigation Derived Waste Management .....	2-2
2.3	Equipment Calibration .....	2-3
2.4	Sample Packaging and Shipping.....	2-3
3.0	Groundwater Sampling Results.....	3-1
3.1	Groundwater Elevations and Gradients.....	3-1
3.2	Groundwater Chemical Results.....	3-2
3.2.1	Distribution of Organic Constituents.....	3-3
3.2.2	Distribution of Inorganic Compounds.....	3-7
3.2.3	The Impact of Turbidity on Metals Concentrations.....	3-10
3.2.4	Natural Attenuation Assessment.....	3-10
3.2.5	Technical Summary.....	3-11
3.2.6	Natural Attenuation Summary .....	3-14
4.0	Conclusions .....	4-1
5.0	References.....	5-1

## Figures

1-1	DDMT Location in Memphis Metropolitan Area
1-2	Groundwater Monitoring Well and Soil Boring Locations
1-3	General Geologic Cross Section of the Memphis Area
1-4	Confined Sand Aquifer Well Locations
1-5	Top of the Jackson/Claiborne Group Contour Map
3-1	Potentiometric Surface Map
3-2	1,1-Dichloroethene (DCE) Concentration in Fluvial Aquifer Wells
3-3	Tetrachloroethene (PCE) Concentration in Fluvial Aquifer Wells
3-4	Temporal Trends in VOC Concentrations and Groundwater Elevations
3-5	Trichloroethylene (TCE) Concentration in Fluvial Aquifer Wells
3-6	1,1,2,2 Tetrachloroethane (1,1,2,2,PCA) Concentration in Fluvial Aquifer Wells
3-7	Carbon Tetrachloride (C4) Concentration in Fluvial Aquifer Wells
3-8	Distribution of Beryllium in Fluvial Aquifer Wells

- 3-9 Temporal Trends in Metals Concentrations
- 3-10 Distribution of Chromium in Fluvial Aquifer Wells
- 3-11 Distribution of Copper in Fluvial Aquifer Wells
- 3-12 Distribution of Lead in Fluvial Aquifer Wells
- 3-13 Distribution of Nickel in Fluvial Aquifer Wells
- 3-14 Correlation Between Turbidity and Metals Concentration
- 3-15 Extent of TCE, DCE, and PCE in Fluvial Aquifer
- 3-16 Distribution of DO in Fluvial Aquifer Wells
- 3-17 Distribution of Redox in Fluvial Aquifer Wells

### Tables

- 2-1 Groundwater Sample Summary
- 3-1 Water Level and Top of Confining Unit Elevations
- 3-2 Detected Groundwater Constituents
- 3-3 Fluvial Aquifer Summary Statistics
- 3-4 Correlation Between Turbidity and Concentration
- 3-5 Percentages of Degradable VOCs at DDMT
- 3-6 Summary of Natural Attenuation Parameters

### Appendices

- A QA/QC Summary
- B Analytical Data Summary
- C Purge/Sample Logs
- D Field Notes

# 1.0 Introduction

---

This report summarizes the results of groundwater elevation and water quality data collected during the Defense Distribution Depot Memphis (DDMT) March 1998 quarterly groundwater sampling event. The report is organized into the following sections:

Section 1 - Introduction and summary of DDMT background information

Section 2 - Summary of field sampling methods

Section 3 - Summary of groundwater elevation and sample analytical data

Section 4 - Conclusions

Section 5 - References

Data quality evaluation results, analytical data tables, field purge and sample logs, and field notes are presented in Appendices A through D, respectively. Laboratory analytical data sheets have been archived in the DDMT project files at CH2M HILL.

These quarterly groundwater data were collected to support ongoing Remedial Investigation/Feasibility Study (RI/FS) activities at the DDMT facility. DDMT was placed on the National Priorities List (NPL) and must fulfill requirements under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). The remedial process under CERCLA and NCP mandates that an RI/FS be performed to determine the nature and extent of contamination, to evaluate public health risks, and to screen potential remedial actions.

Previous well installation and groundwater sampling activities (see Section 1.2) through 1993 indicated the presence of organic and inorganic constituents exceeding levels of concern primarily at Dunn Field, but also at other locations within the main DDMT facility area. In January and February 1996, DDMT expanded the groundwater monitoring network by installing additional wells to evaluate the extent of contamination west of Dunn Field and to provide additional upgradient groundwater quality data.

The purpose of this quarterly groundwater sampling report is to present and summarize the groundwater elevation and water quality data collected from the monitoring wells at the DDMT facility in March 1998. This report also summarizes the spatial and temporal distribution of these data compared to data previously collected from these wells.

The groundwater elevation and water quality data in this report were collected in accordance with the requirements of *OU-4 Field Sampling Plan (FSP)* (CH2M HILL, 1995). OU-4 consists of the former and current hazardous materials storage buildings, Buildings 319, 629, and 835, and the Defense Reutilization and Marketing Office (DRMO) buildings and stockyards. The geographical coverage of OU-4 includes an area of suspected interaction between the Fluvial and Memphis Sand Aquifers; therefore, the scope of OU-4 was expanded to include site-wide groundwater flow and contaminant transport.

## 1.1 Facility Background

DDMT is situated on 642 acres in Shelby County, Memphis, Tennessee, in the extreme southwestern portion of the state (Figure 1-1). Located approximately 5 miles east of the Mississippi River and just northeast of the Interstate 240-Interstate 55 junction, DDMT is in the south-central section of Memphis, approximately 4 miles southeast of the Central Business District and 1 mile northwest of Memphis International Airport. Airways Boulevard borders DDMT on the east and provides primary access to the installation. Dunn Avenue, Ball Road, and Perry Road serve as the northern, southern, and western boundaries, respectively, to the Main Installation. Dunn Field, the only known waste disposal area at DDMT, is located just north of the Main Installation. Person Avenue, Kyle Street, and Hays Street serve as the northern, western, and eastern boundaries, respectively, to Dunn Field.

The Main Installation consists of approximately 110 buildings, 26 miles of railroad track, and 28 miles of paved streets. The facility has approximately 5.5 million square feet of covered storage space and approximately 6 million square feet of open space.

Past activities at DDMT include a wide range of storage, distribution, and maintenance practices. Dunn Field has been used as a landfill area (northwest quadrant), storage area for mineral stockpiles (southwest and southeast quadrants), and pistol range (northeast quadrant). Activities within the southern portion of the Main Installation have included hazardous material storage and recoupment (Building 873), sandblasting/painting activities (Buildings 1086 through 1089), and maintenance (Building 770). Other activities documented to have occurred in this area of the installation include polychlorinated biphenyl (PCB) transformer storage (near Building 274), pesticide/herbicide storage and use, and fire truck pump testing (Lake Danielson). The northern portion of the Main Installation has a history of hazardous materials storage, treatment of wood products with pentachlorophenol (Building 737), and storage of items awaiting disposal. Specific building and facility locations are provided in Drawings 1 and 2 of the *Final Generic Remedial Investigation/Feasibility Study Work Plan* (U.S. Army Corps of Engineers, Huntsville Division [CEHND], 1995).

DDMT was issued a Resource Conservation and Recovery Act (RCRA) Part B permit (No. TN4 210 020 570) by the U.S. Environmental Protection Agency (EPA), Region IV, and the Tennessee Department of Environment and Conservation (TDEC) on September 28, 1990. Subsequently, in accordance with Section 120 (d)(2) of CERCLA, 42 U.S.C. 9620(d)(2), EPA prepared a final Hazard Ranking System (HRS) Scoring Package for DDMT. On the basis of the final HRS score of 58.06, EPA added DDMT to the NPL by publication in the *Federal Register* (FR), 57 FR 47180 No. 199, on October 14, 1992.

As a result of DDMT's status as an NPL site, it was agreed that the investigation of all applicable sites would proceed under the CERCLA process for remediation (remedial investigation, feasibility study, proposed plan, record of decision, remedial design, and remedial action). To date, 55 monitoring wells have been installed (Figure 1-2) as part of the investigative phase to characterize site conditions.

## 1.2 Hydrogeology

### 1.2.1 Regional Hydrogeology

Section 2.4 of the *Final Generic Remedial Investigation/Feasibility Study Work Plan* (CEHND, 1995) provides a thorough discussion of the regional geologic and hydrologic features applicable to DDMT. Recent work by Kingsbury and Parks (1993) and Parks and Carmichael (1988) also provides insight into the hydrogeologic setting. In particular, the unit called the Jackson Formation/Upper Claiborne Group in Parks' earlier publications has been further defined. The Cockfield Formation is now recognized as a member of the Claiborne Group in western Tennessee. Figure 1-3 presents a general cross section of the Memphis area extending southwest to northeast across Shelby County. Of the geologic units shown, the following are applicable to groundwater flow and contaminant transport conditions at DDMT.

**Loess.** Loess is a semi-cohesive eolian deposit composed of silt, silty clay, silty fine sand, or mixtures thereof. It mantles the ground surface over wide areas of the central United States. Loess typically occurs above the alluvial (terrace) deposits and is thickest along the bluffs overlooking the Mississippi Alluvial Plain. Its maximum thickness is reported to be about 65 feet; it thins considerably toward the east. Locally, Loess may contain thin, discontinuous, fine sandy layers enclosed within silts and silty clays.

**Fluvial (Terrace) Deposits.** Quaternary and possibly Pliocene Age fluvial deposits exist beneath the uplands and valley slopes of the Gulf Coastal Plain and are the remnants of ancient alluvial deposits of either existing streams or an ancient drainage system. The fluvial deposits consist primarily of sand and gravel with minor lenses of clay and thin layers of iron-oxide cemented sandstone or conglomerate. These fluvial deposits range from zero to 100 feet in thickness and underlie the loess. The upper and lower surfaces of the fluvial deposits have been eroded, causing the thickness to be highly variable. Locally, in the Memphis area, the fluvial deposits may be absent (Graham and Parks, 1986). These deposits represent the upper aquifer at DDMT, herein termed the Fluvial Aquifer.

**Jackson, Cockfield, and Cook Mountain Formations.** The Late Eocene Jackson Formation and upper part of the Claiborne Group lie beneath the fluvial (terrace) deposits. The upper Claiborne consists of the Jackson, Cockfield, and Cook Mountain Formations. Because of lithologic similarities, the Jackson Formation and the Cockfield Formation cannot be reliably subdivided in the subsurface of the Memphis area. The Jackson/Cockfield Formations consist of sand, silt, clay, and lignite beds. The preserved sequence is predominantly Cockfield, but in the northwestern part of the Memphis area the Cockfield is overlain by the Jackson Formation (Kingsbury and Parks, 1993). The Cockfield Formation is typically composed of clay and silt in the upper part and sand in the lower part, although locally this may be reversed (Parks and Carmichael, 1988). Lignite beds, up to 10 feet in thickness, occur in the clays, silts and sands. The base of the Cockfield Formation is faulted and dips to the west at a rate of 10 to 40 feet per mile.

The thickness of the Jackson Formation is reported differently in the literature. Kingsbury and Parks (1993) report a range of zero to 50 feet, while Parks and Carmichael (1988) report a thickness ranging from zero to 150 feet. Where the Jackson Formation is present, the Cockfield may be from 235 to 270 feet in thickness. In other places extensive erosion has

caused the thickness to be highly variable. The Cockfield is generally an unconfined water-table aquifer (Parks and Carmichael, 1988), and it provides water for some public and industrial uses.

The Cook Mountain Formation is the lower confining unit to the Cockfield and generally consists of clay, silt, and sand. Kingsbury and Parks (1993) report that its thickness ranges from zero to 50 feet in the Memphis area, while Parks and Carmichael (1988) report a thickness ranging from zero to 150 feet over the West Tennessee area.

**Memphis Sand (500-foot sand).** The widespread terrace deposits of the Memphis Sand were deposited during the Middle Eocene when streams carried extensive quantities of sand and gravel into the Mississippi embayment area. The Memphis Sand unit is composed primarily of thick bedded, white to brown or gray, very fine-grained to gravely, partly argillaceous, and micaceous sand. Lignitic clay beds constitute only a small percentage of total thickness. The Memphis Sand ranges from 500 to 890 feet in thickness, and the depth to the top of the Memphis Sand Aquifer in the area ranges from approximately 120 feet to 300 feet below land surface (bls). It is thinnest in northwestern Fayette County, Tennessee (the northeastern portion of the Memphis Sand), and thickest near the Mississippi River in southwestern Shelby County, Tennessee. The City of Memphis obtains its drinking water from this aquifer. The base of the Memphis Sand dips to the west at a rate of 20 to 50 feet per mile.

Graham and Parks (1986) present several lines of evidence to suggest that the Jackson Formation/Upper Claiborne Group is not laterally continuous throughout the Memphis area. In some areas, the Memphis Sand is directly overlain by the alluvial or fluvial deposits, permitting the downward vertical leakage from shallow water-bearing zones into the regional aquifer.

Cross-sections presented in Kingsbury and Parks (1993) provide useful information about the regional geology in the Memphis area. Well Sh:J-104 is less than 2 miles west of DDMT (Figure 1-4). It indicates approximately 75 feet of loess and fluvial deposits, underlain by a 40-foot sequence of the Cockfield Formation. Below the Cockfield Formation, the well log indicates a 75-foot sequence of the Cook Mountain Formation underlain by the Memphis Sand. The Memphis Sand occurs at an elevation of 46 feet above mean sea level (msl) and is several hundred feet thick at this well location.

Well Sh: J-167, which is about 2 miles to the southwest of the southwest corner of the Main Installation (Figure 1-4), is on the upthrown side of the fault described below. It is also north of Nonconah Creek. It shows an approximate 100-foot thickness of loess and fluvial deposits, and no Cockfield Formation. However, approximately 70 feet of the confining Cook Mountain Formation are encountered before the top of the Memphis Sand at elevation 85 feet msl.

A northwest-southeast trending fault is also shown passing through the Allen Wellfield (Kingsbury and Parks, 1993). The downthrown side is to the northeast. Where the formations have been offset along a fault plane, the Cockfield Aquifer and Memphis Sand Aquifer could be in direct hydraulic connection, if the offset was greater than the thickness of the Cook Mountain Formation. In the vicinity of Allen Wellfield it appears that the Memphis Sand has been offset by about 30 to 40 feet, and the thickness of the Cook Mountain Formation is 70 to 75 feet.

## 1.2.2 DDMT Site-Specific Hydrogeology

DDMT is underlain by a layer of loess approximately 20 to 30 feet thick. The lower saturated portion of the underlying terrace deposits is locally referred to as the Fluvial Deposits Aquifer (herein referred to as the Fluvial Aquifer), which is the uppermost aquifer beneath DDMT. Perched groundwater also exists in the terrace deposits above small clay lenses at elevations above the Fluvial Aquifer. However, these perched water zones are temporal and are not considered part of the Fluvial Aquifer. The Fluvial Aquifer is not used as a drinking water source within the City of Memphis.

The upper portion of the Jackson Formation/Upper Claiborne Group, which serves as the base of the Fluvial Aquifer, generally consists of a high-plasticity clay of variable thickness. The depth to the top of the confining unit at OU-4 ranges from approximately 70 to 160 feet bls in the northwest portion of Dunn Field, where a depression in the top of the clay exists. The maximum thickness of this unit is 85 feet in the northwest portion of Dunn Field (STB-6, Drawing 1 of the *OU-4 FSP*). The clay thins in the northwest portion of the main facility (STB-8, Drawing 2 of the *O-U4 FSP*) to 5 feet of sandy, silty clay and 9 feet of interbedded silty clay and fine grained sand.

The base of the Cockfield Formation has been mapped at an approximate elevation of 122 feet msl in well Sh:J-104. Extrapolation to wells MW-36 and MW-37 shows that the base of the Cockfield should occur at elevation 145 feet msl for both wells. Review of the lithologic logs for these wells shows a change in formation from a dense silty clay to a sandy clay at an elevation of 143 feet msl for MW-36 and an elevation of 145 feet msl for MW-37, possibly signifying the gradation from the Cockfield Formation to the Cook Mountain Formation.

The altitude of the top of the Memphis Sand was also mapped by Kingsbury and Parks (1993). At well Sh: J-104, the unit has an upper surface elevation of 46 feet msl. Extrapolating the upper surface of the Memphis Sand to MW-36 and MW-37 indicates corresponding elevations of 82 feet and 93 feet, respectively. Wells MW-36 and MW-37 encountered sands at 128 and 125 feet msl, which is approximately 46 and 32 feet above the projected upper surface of the Memphis Sand, respectively. Thus based on regional stratigraphic information, the lower sand units at DDMT could belong to the Cook Mountain Formation rather than the Memphis Sand. Because it is uncertain whether the confined sand aquifer underlying the Fluvial Aquifer is the Memphis Sand (as has been assumed in previous DDMT documents), the underlying sands will be referred to in this report as the Confined Sand Aquifer.

Groundwater flow in the Fluvial Aquifer is controlled primarily by the orientation of erosional paleosurface of the upper clay in the Jackson Formation/Upper Claiborne Group. A prominent feature of the Fluvial Aquifer flow system is a generally northwest-southeast trending depression in the clay surface (Figure 3-3) located in the northwest portion of the main facility. As discussed in Section 3.3, groundwater flow generally follows the slope of this clay unit. The depressed clay surface may result from either an erosional surface in the clay surface or a sand lens within the clay that comprises the Cockfield Formation of the Upper Claiborne Group. The groundwater flow direction across the Main Installation and southernmost portion of Dunn field is controlled by this feature.

The general orientation of the faults mapped in the Memphis area (Kingsbury and Parks, 1993) is northwest-southeast. It is likely that the orientation of the depressed feature is fault controlled. It has not been determined whether the depressed clay surface results from paleoerosion or absence of the clay.

## 2.0 Field Methods

---

All groundwater samples were collected during this quarterly groundwater sampling event in accordance with the *OU-4 FSP* (CH2M HILL, 1995). Water level measurements were recorded prior to collection of the groundwater samples. During this quarterly sampling event, breathing zone monitoring detected organic vapors at a maximum of 1.1 ppm at MW-12 and MW-35. Sustained monitoring indicated organic vapors at levels less than 1.5 ppm, which was less than the action level (a sustained level of 25 ppm in the breathing zone) specified in the Site Safety and Health Plan for necessitating respiratory protection. Based on these findings, the required personal protective equipment (PPE) was maintained at Level D.

Before sampling, each of the monitoring wells was purged according to the following procedure:

- The well was located and plastic was placed on the ground around the well head.
- The well head was opened and a volatile organic compound (VOC) measurement from the headspace in the well was recorded using a photo-ionization detector (PID) instrument.
- The volume of water in the well was estimated using the following equation:
 

$$\text{volume (gal)} = 0.041 d^2 H$$
 where  $d$  = well diameter in inches  
 $H$  = height of water column in feet  
 Note: 2-inch diameter schedule 40 PVC casing = 0.164 gal/linear foot.
- Wells were purged using either a 2-inch Grundfos submersible pump or a disposable Teflon bailer.
- A minimum of three well volumes were purged from each well prior to sampling. Additional well volumes were purged, if necessary, for stabilization of temperature, pH, conductivity, or turbidity of the effluent. Purging was terminated if the well was dewatered.
- Physical parameter measurements of the water including pH, conductivity, turbidity, redpotential, temperature, and dissolved oxygen were recorded initially and after purging of each well volume.

Table 2-1 summarizes the water quality analyses, purge volumes, and physical parameter measurements recorded for each well sampled.

### 2.1 Groundwater Sampling

Water samples were collected from the well at completion of the well purging according to the following procedures.

### 2.1.1 Sampling with Teflon Bailer

If sampling equipment was not used to purge the well, the bailer was seasoned by discarding the first three bailer volumes into the purge drums. Filling of the sample containers was initiated with the fourth bailer volume.

Nylon twine was attached to the bailer and lowered slowly into the water to minimize agitation of the water. The bailer was lowered just enough to submerge the top, and care was taken to ensure that the bailer did not contact the bottom of the well.

VOCs were collected first, followed by semi-volatile organic compounds (SVOCs) and other parameters as appropriate for the specific well. VOCs were collected by filling the vial, with as little turbulence as possible. Each vial was filled until a meniscus bubble extended at the top of the vial to ensure that no air bubbles were present in the samples.

Each sample container was then wiped clean and labeled. The containers were placed into a protective baggie and packed into a sample cooler with ice. The chain-of-custody (COC) form was filled out and placed into the cooler.

The sample information was recorded in the purge/sample log, and field notes (see Appendices C through D).

Upon completion of each well sampling, all disposable materials (PPE, twine, plastic, etc.) were discarded in accordance with appropriate disposal procedures. The well was closed and locked and the sample area was cleaned up. All drums containing purge and decontamination water were transported to the wastewater storage tank located in Dunn Field.

### 2.1.2 Sampling with Submersible Pump and Bailer

After purging was completed, the pump was positioned at the mid-screen level (screens are at 10-foot intervals and are based at the well bottom). The discharge from the Grundfos pump was slowed to a minimum discharge capacity.

Samples of discharge water were collected through the discharge hose, labeled, packed, and documented similarly to the bailed samples described above. The samples were then analyzed for metals and SVOCs. The volatile organic analysis sample aliquots were collected by removing the pump from the well, allowing the water to stabilize for at least 15 minutes, and then collecting the sample with a bailer as described in the preceding section.

Investigation derived waste (IDW), well site closure, and cleanup were completed as described below.

## 2.2 Investigation Derived Waste Management

All purge and decontamination water was initially contained at the well head in 55-gallon drums. These drums were transported to a polyethylene storage tank located on Dunn Field, where the water was transferred into the permanent on-site tank.

When the permanent on-site tanks is full and requires sampling, water will be collected and analyzed for VOCs, SVOCs, Pesticides/PCBs, herbicides, and metals for IDW disposal according to the program requirements established by DDMT/CEHND.

## 2.3 Equipment Calibration

Field instruments were calibrated daily before sampling activities began. Standards used to calibrate the field survey instruments were in accordance with those specified by the National Institute of Standards and Technology (NIST).

All field instruments (e.g., Hnu, combustible gas indicators [CGIs], pH meters, conductivity meters, etc.) were calibrated according to manufacturer's instructions and zeroed to background levels at the site field office. Calibration records were kept in a field logbook by field personnel. These daily records include, at a minimum, the following:

- Instrument type (e.g., PID, CGI) and model number
- Instrument serial number
- Type of calibration procedure used
- Type of calibration gas or standard used, concentration (ppm), and lot number
- Instrument reading and span (if appropriate)
- Date and time of calibration

## 2.4 Sample Packaging and Shipping

All samples were packaged and shipped in accordance with Appendix C of EPA Region IV Standard Operating Procedures.

All container lids were verified to be properly secured prior to shipment.

Samples were shipped in a sturdy cooler lined with a large plastic bag. A layer of vermiculite was placed at the bottom of this cooler inside the plastic bag liner. All samples were placed into individual zip-lock bags and sealed. These bottles were then placed in the cooler with sufficient space between bottles to place vermiculite or bubble wrap. Three to four zip-lock bags of ice were placed between and on top of the samples and the plastic bag liner sealed with tape.

The completed COC form was placed in a plastic baggie and taped to the inside lid of the cooler. The cooler lid was secured shut using strapping tape. Signed Custody Seals were placed on the front and back hinges of the cooler and stickers indicating "this end up" were placed on the ends of the cooler.

Each cooler was shipped via Federal Express for next morning delivery to the QAL-Montgomery Laboratory.

## 3.0 Groundwater Sampling Results

### 3.1 Groundwater Elevations and Gradients

Sampling events are depicted in Figure 3-1 and listed in Table 3-1. Within the Dunn Field area, a local groundwater divide is apparent along the line formed by wells MW-44, MW-54, and MW-31. North of this line, groundwater appears to flow west and northwest toward MW-40. South of this line groundwater appears to flow west-southwest toward a groundwater low centered in the vicinity of MW-34. The magnitude of groundwater gradients in this region of the facility range between approximately 0.0073 foot/foot and 0.133 foot/foot. The steepest gradient appears to be located southwest of MW-14 and MW-33. A maximum groundwater seepage velocity in this vicinity was estimated at 9.80 feet/day assuming the following parameters:

hydraulic gradient = 0.133 foot/foot

hydraulic conductivity = 22.11 feet/day (based on the average hydraulic conductivity for the Fluvial Aquifer reported in the *Groundwater Characterization Data Report (GCDR)* [CH2M HILL, 1997])

effective porosity = 0.3

Groundwater flow patterns underlying the DDMT Main Installation exhibit trends in groundwater flow from the margins of the study area toward an elongated central groundwater low oriented along a northwest-southeast axis; groundwater in the northeast portion of this region apparently flows southwest toward this low, and groundwater in the southwest portion of the study area apparently flows northeast toward the low. A localized groundwater high is apparent in the vicinity of MW-55. The magnitude of groundwater gradients underlying the Main Installation range between approximately 0.0084 foot/foot and 0.160 foot/foot. The steepest gradients appear to be located in the northwest portion of the facility in the vicinity of MW-55. A maximum groundwater velocity in this vicinity was estimated at 11.79 feet/day assuming the following parameters:

hydraulic gradient = 0.160 foot/foot

hydraulic conductivity = 22.11 feet/day (based on the average hydraulic conductivity for the Fluvial Aquifer reported in the GCDR)

effective porosity = 0.3

As noted in the GCDR, groundwater hydraulic gradients in the northern portion of the Main Installation and the area surrounding Dunn Field generally conform to the gradient of the Jackson Formation/Upper Claiborne Group confining unit clay surface. Groundwater flow in these regions appears to be governed by the configuration of the clay surface. A comparison of the potentiometric surface (Figure 3-1) and confining clay unit (Figure 1-5) surface gradients in the southwest portion of the Main Installation indicates that groundwater is flowing against the surface gradient of the clay. It is likely that groundwater flow gradients are being controlled by drainage into the northwest-southeast trending feature rather than by gravity flow along the surface of the clay.

Comparison of groundwater elevation measurements recorded during the March 1998 sampling event with groundwater elevations recorded during the previous groundwater sampling event in September 1997 indicates the following:

- Groundwater underlying Dunn Field was on average 0.88 foot higher in March 1998 than in September 1997.
- The maximum difference in groundwater elevation at Dunn Field was observed in MW-36, where the groundwater elevation recorded was 10.38 feet higher in March 1998 compared to the September 1997 data.
- Groundwater elevations underlying the Main Installation were on average 0.56 foot higher in March 1998 than in September 1997.
- The maximum difference in groundwater elevation at the Main Installation was observed at MW-38, where the groundwater elevation recorded was 4.03 feet higher in March 1998 compared to the September 1997 data.

The temporal trends in the groundwater elevation distribution have not yet been determined because there is not enough data to correlate precipitation data with long term water level data to establish meaningful trends. However, hydrographs have been developed for strategic wells using water level data from three or more of the most recent monitoring events. The hydrographs are included on the graphs of concentration versus time for select VOCs to help evaluate temporal trends in concentrations for these compounds, which will be discussed in the next section. As more water level data is collected (one more quarterly monitoring event and continuous water level data collected by the USGS), meaningful temporal trends should become more evident.

### 3.2 Groundwater Chemical Results

Numerous VOCs and metals were reported in the groundwater samples collected from the Fluvial Aquifer. Table 3-2 summarizes the analytical results for the groundwater samples collected during the March 1998 quarterly sampling event, including the concentrations of the particular chemical constituent and a comparison of the concentration with DDMT remediation target criteria for that constituent. Table 3-3 summarizes the overall sample counts and range of concentrations for each of the detected compounds for all of the samples collected during this sampling event. A data quality assessment was performed on the laboratory analytical results of the March 1998 samples. This data quality assessment is presented in Appendix A.

The data quality assessment contained in Appendix A indicates that the organic compounds reported in the duplicate samples were within the quality control guidelines of 20 percent. The laboratory analyzed the samples according to the EPA methods stated in the work plan, as demonstrated by acceptable method performance documented in the data deliverable contained in Appendix B. Matrix spike and spike duplicate accuracy and precision results indicated that the specific sample matrix did not significantly interfere with the final numerical result and that the data can be used without further qualification.

Five man-made VOCs were identified in the GCDR as the primary chemical constituents of concern at the DDMT facility. The spatial distributions of these constituents from the March 1998 quarterly sampling event are discussed in detail. The concentrations of the detected VOCs and metals from the March 1998 sampling event were also evaluated as a

group to assess how their concentrations and distributions varied with time and location. Data reported for 1989 and 1990 were taken from the *Remedial Investigation at DDMT* (Law, 1990); data for 1993 were taken from the *Groundwater Monitoring Results at DDMT* (Environmental Science and Engineering [ESE], 1994); the 1996 water quality data were taken from the *GCDR*; the June 1997 data were taken from the second quarter *Quarterly Groundwater Monitoring Report* (CH2M HILL, 1997); and the September 1997 data were taken from the third quarter *Quarterly Groundwater Monitoring Report* (CH2M HILL, 1997). These data were compared to the March 1998 groundwater quality results to perform a trend analysis of select organic and inorganic constituents. Well-specific groundwater analytical data are included in Appendix B.

### 3.2.1 Distribution of Organic Constituents

Figures 3-2 through 3-6 show the aerial distributions and concentrations of VOCs at DDMT. The VOCs depicted in these figures were identified during the *GCDR* as the primary constituents of concern. In general, the specific chemical constituents and spatial distributions reported during this quarterly sampling event were consistent with those previously reported at DDMT. The concentration of VOCs varied across the site from a low of 1 microgram per liter ( $\mu\text{g/L}$ ) to a high of 3,200  $\mu\text{g/L}$  (TCE at MW-12). Similar to concentrations noted in the *GCDR*, the highest concentrations of VOCs were detected within the northwest corner of Dunn Field.

**1,1-Dichloroethene (1,1-DCE).** 1,1-DCE was reported in nine wells during the March 1998 quarterly sampling event. Figure 3-2 shows the distribution of 1,1-DCE. This compound was reported in six wells located along the northern portion of Dunn Field and in three off-site wells, MW-31, MW-40, and MW-51. 1,1-DCE was not reported in any wells located on the Main Installation (Figure 3-2). 1,1-DCE was reported in off-site well MW-40, where it had not been detected in samples collected during September 1997, and 1,1-DCE was not detected in well MW-45 where it was detected in the September 1997 sampling event. The highest detection occurred in MW-07 (47  $\mu\text{g/L}$ ) located at the northwest boundary of Dunn Field. The concentrations of 1,1-DCE in the other monitoring wells were similar to those reported in the June 1997 sampling event for each respective well. Overall there was a slight decrease in the concentrations observed in the March 1998 event over those observed in September 1997.

**Tetrachloroethylene (PCE).** The occurrence of PCE was widespread during the March 1998 groundwater sampling event, similarly to what was reported in the last three events. PCE was reported in 23 wells located both on-site and off-site (Figure 3-3). During this event, PCE was reported in off-site wells MW-31, MW-32, MW-47, MW-51, and MW-54. Concentrations of PCE ranged from 1  $\mu\text{g/L}$  to a high of 100  $\mu\text{g/L}$  in MW-1. Overall there was a slight decrease in the concentrations observed in March 1998 compared to those observed in September 1997. All of the wells with reportable levels exceeded the background and Proposed Remediation Goal (PRG) concentrations for this compound.

PCE was reported at four areas on DDMT, as shown in Figure 3-3. These areas, which were noted in previous quarterly reports, have not changed significantly. The largest of the four plumes is centered on the western and northwestern boundary of Dunn Field. The second detection of PCE in well MW-54 (2  $\mu\text{g/L}$  in both instances) indicates that the plume has expanded to the west. Also, the PCE concentration has increased in MW-51 (located north

of Dunn Field), the northernmost control well for the site has remained constant at 4 µg/L. However, both concentrations are estimated below the reporting limit, so the comparison is an approximation. Two smaller plumes are located in the southwest and southeast corners of the main facility (Figure 3-3). The plume in the southwest corner of the main facility exhibited a slight decrease in size from the September 1997 to March 1998 sampling events. The slight decrease in plume size is indicated by the PCE reported in well MW-22 during the September 1997 sampling; and the lack of PCE detection in MW-22 during the March 1998 event. The magnitude of the plume in the southeast corner of the main facility exhibited an apparent increase from the September 1997 to March 1998 sampling events. PCE concentrations in MW-26 and MW-52 increased to 14 and 4 µg/L respectively, and the PCE concentration in MW-25 decreased slightly to 6 µg/L. Since many of the values are estimated, additional groundwater samples are necessary to assess the persistence of this trend. Finally, an isolated occurrence of PCE is reported in MW-39 (8 µg/L) at a concentration slightly below that detected in the September 1997 sampling event (9 µg/L). There are insufficient data to correlate the PCE reported in this well with concentrations from other wells on the facility.

Graphs of PCE concentration versus time for strategic wells were developed to assess whether temporal trends in concentration exist for this compound (Figure 3-4). The data indicate increasing trends from February 1996 to March 1998. The most recent data (March 1998) indicate an increase in PCE concentration in 16 samples and a decrease in seven samples over the September 1997 data. Significant decreases of PCE have occurred in off-site wells located to the north, northwest, and west of Dunn Field. During the period of September 1997 to March 1998, the most significant changes in PCE concentrations were observed in wells MW-05 (a 24 µg/L decline), MW-10 (an 80 µg/L decline) MW-12 (22 µg/L decline), and MW-31 (a 44 µg/L decline).

Groundwater elevations that were available for strategic wells for a minimum of the three most recent sampling events (June 1997, September 1997, and March 1998) have also been included on the graphs (Figure 3-4). This graphical representation facilitates the correlation of temporal trends in groundwater elevation to those observed in concentration. The data for the period September 1997 to March 1998 indicate the following:

- When groundwater elevations increased, PCE concentrations increased in two wells and decreased in one well.
- When groundwater elevations decreased, PCE concentrations increased in four wells and decreased in seven wells.

The only meaningful trend is the apparent decrease in PCE concentrations when groundwater elevations decrease. This trend is consistent with the overall trend of increasing PCE concentrations that have been observed when comparing September 1997 data to March 1998.

**Trichloroethylene (TCE).** TCE was reported in four separate locations at DDMT and was detected in 25 wells during the March 1998 quarterly sampling event (Figure 3-5). The distribution of TCE is generally consistent with the distribution described in the *Quarterly Groundwater Monitoring Report*; however, TCE was reported in five off-site locations (MW-31, MW-32, MW-44, MW-51, and MW-54) during this quarterly sampling event, which is consistent with the five off-site detections during the September 1997 sampling event. The

concentrations of TCE ranged from 1 µg/L to a high of 3,200 µg/L at MW-12. All of the reported TCE concentrations equaled or exceeded the background concentrations, and with the exception of seven reported concentrations, all exceeded both background and PRG concentrations.

The largest TCE plume encompasses the northwest and west boundaries of Dunn Field and extends off-site to the west, northwest and north of Dunn Field. The plume also extends to the south slightly past the boundary of the Main Installation. The concentrations reported in MW-44 and MW-51 indicate that the plume configuration has expanded to the west and north to the edge of the current monitoring well network. A shift in the center of mass (MW-12) of the TCE plume, as suggested by the June 1997 data, is supported by the September 1997 data and the March 1998 data. Concentrations of TCE at wells MW-06, MW-10, MW-12, MW-15, MW-35, and MW-44 exhibited a decrease in concentrations from the September 1997 event. On the other hand, concentrations of TCE at MW-31, MW-32, MW-51, and MW-54 showed an increase between the September 1997 and March 1998 sampling events. TCE was detected for the first time in wells MW-14 and MW-38 in the September 1997 sampling event. During the March 1998 sampling event, no TCE was detected in MW-14, and there was an estimated detection of 1 ppb in MW-38.

Little change in the geometry of the other TCE plumes identified on the Main Installation was observed between the June 1997 and September 1997 data. There was an estimated detection of 1 ppb in well MW-52 in the June 1997 sampling event. TCE was not detected in MW-52 in the September 1997 sampling event.

Graphs of TCE concentration versus time for strategic wells were developed to assess whether temporal trends in concentration exist for this compound (Figure 3-4). The data indicate increasing trends from June 1997 to September 1997 and from September 1997 to March 1998. The most recent data (March 1998) indicate an increase in TCE concentration in seven wells, a decrease in 12 wells, and no change in four wells, when compared to the September 1997 data. Overall, significant increases of TCE have been observed in off-site wells located to the north, northwest, and west of Dunn Field. During the period of September 1997 to March 1998, the most significant changes in TCE concentrations were observed in wells MW-06, MW-12, MW-15, and MW-31; a 146 µg/L decline in TCE occurred in MW-6, a 600 µg/L decline in TCE occurred in MW-12, a 134 µg/L decline in TCE occurred in MW-15, and a 180 µg/L increase in TCE occurred in MW-31.

Groundwater elevations that were available for strategic wells for the four most recent sampling events (February 1996, June 1997, September 1997, and March 1998) have also been included on the graphs (Figure 3-4). This graphical representation facilitates the correlation of temporal trends in groundwater elevation to those observed in concentration. The data for the period September 1997 to March 1998 indicate the following:

- When groundwater elevations increased, TCE concentrations increased in three wells and decreased in two wells.
- When groundwater elevations decreased, TCE concentrations increased in three wells and decreased in seven wells.

There appear to be two meaningful trends: when groundwater elevations decrease, TCE concentrations decrease, and conversely, when groundwater elevations increase, TCE

concentrations increase. This correlation should be further supported by additional groundwater data collected during the next scheduled sampling events.

**1,1,2,2-Tetrachloroethane (1,1,2,2-PCA).** PCA was detected in samples collected from eight wells during the March 1998 sampling event (Figure 3-6). These wells were located both on- and off-site. The plume delineated by these wells occurs on the western side of Dunn Field and extends off-site to the west. Again, the distribution of this plume is similar to that described in the *Quarterly Groundwater Monitoring Report*. The values of 1,1,2,2-PCA ranged from a low of 2 µg/L to a high of 540 µg/L in MW-12. All detected values exceeded both background and PRG concentrations.

The 1,1,2,2-PCA concentration distributions reported in the March 1998 and September 1997 data are generally consistent. The exceptions include changes in the data collected from MW-8, MW-10 and MW-34. 1,1,2,2-PCA was reported in MW-2 and MW-3 in the June 1997 data; however, it was not reported in the September 1997 or the March 1998 data indicating a reduction in these wells over the long term. The sample from well MW-10 indicated a concentration of 2 µg/L in the September 1997 data; however, 1,1,2,2-PCA was not reported in this well during the March 1998 sampling event.

Graphs of 1,1,2,2-PCA concentration versus time for strategic wells were developed to assess whether temporal trends in concentration exist for this compound (Figure 3-4). The data indicate consistent and constant (neither increasing nor decreasing) trends from February 1996 to June 1997, from June 1997 to September 1997, and from September 1997 to March 1998. The most recent data (March 1998) indicate an increase in 1,1,2,2-PCA concentration in five samples and a decrease in two samples, when compared to the September 1997 data. During the period of September 1997 to March 1998, the most significant changes in 1,1,2,2-PCA concentrations were observed in wells MW-6, MW-11, and MW-31; a 90 µg/L decline in 1,1,2,2-PCA was reported for MW-6, a 47 µg/L decline in 1,1,2,2-PCA was reported for MW-11, and an 87 µg/L increase was reported for MW-31.

Groundwater elevations that were available for strategic wells for the four most recent sampling events (February 1996, June 1997, September 1997, and March 1998) have also been included on the graphs (Figure 3-4). This graphical representation facilitates the correlation of temporal trends in groundwater elevation to those observed in concentration. The data for the period September 1997 to March 1998 indicate the following:

- When groundwater elevations decreased, 1,1,2,2-PCA concentrations increased in four wells and decreased in one well.
- There were no wells with increasing groundwater elevations and detectable concentrations.

The only meaningful trend is the apparent increase in 1,1,2,2-PCA concentrations when groundwater elevations decreased.

**Carbon Tetrachloride (C4).** C4 has been observed in two areas at DDMT. One area is located along the western boundary of Dunn Field and extends off-site to the west. The other area is isolated and is centered around the region in the vicinity of MW-26 on the Main Installation (Figure 3-7). The plume geometry described by the March 1998 groundwater data is consistent with the geometry described by the September 1997, June 1997, and February 1996 data. Detected concentrations of C4 ranged from a low of 1 µg/L

to a high of 20 µg/L at MW-32. The most significant change from September 1997 to March 1998 in the C4 plume geometry has occurred to the plume on Dunn Field, where well MW-15 has decreased from 46 µg/L to 3 µg/L. This finding indicates that the size of the plume has diminished in this area.

The C4 concentrations in samples from the remaining wells were generally similar to previously reported concentrations.

Graphs of C4 concentration versus time were developed for strategic wells to assess whether temporal trends in concentration exist for this compound (Figure 3-4). The data indicates consistent and constant (neither increasing nor decreasing) trends from June 1997 to September 1997 and from September 1997 to March 1998. The most recent data (March 1998) indicate an increase in C4 concentration in three samples and a decrease in four samples, when compared to the September 1997 data. Overall, increases of C4 have occurred in samples from wells located along the west boundary of Dunn Field. During the period of September 1997 to March 1998, the most significant change in C4 concentration was reported in samples from well MW-15; a decrease of 43 µg/L was reported for MW-15.

Groundwater elevations that were available for strategic wells from the four most recent sampling events (February 1996, June 1997, September 1997, and March 1998) have also been included on the graphs (Figure 3-4). This graphical representation facilitates the correlation of temporal trends in groundwater elevation to those observed in concentration. The data for the period September 1997 to March 1998 indicate the following:

- When groundwater elevations decreased, C4 concentrations increased in three wells and decreased in three wells.
- No detectable concentration changes of C4 were reported in wells exhibiting increasing groundwater elevations.

The correlation between C4 concentration and groundwater elevations produced no meaningful trends. Additional groundwater quality and elevation data will be necessary to develop meaningful trends for this analyte.

### 3.2.2 Distribution of Inorganic Compounds

Groundwater samples were collected and analyzed for total (unfiltered) metals. Figures 3-8 through 3-13 show the concentrations and distributions of five indicator metals (lead, nickel, beryllium, copper, and chromium). These figures also show that the concentrations of metals are variable within the Fluvial Aquifer, with the highest values tending to be centered in the northwest quadrant of the Main Installation. This is the same general trend as observed in previous quarterly reports and the GCDR. Tables 3-2 and 3-3 summarize the concentrations of metals detected in groundwater samples from the Fluvial Aquifer.

**Beryllium.** Beryllium was detected in trace amounts in samples collected from four wells during the March 1998 sampling event: three located at Dunn Field and one on the Main Installation (Figure 3-8). Reportable concentrations observed in these four wells ranged from a low of 0.02TR µg/L to a high of 0.04TR µg/L at MW-31. All of the concentrations detected in these samples exceeded the PRG concentrations for this constituent.

Compared to previous sampling events, beryllium levels decreased significantly. In contrast to the findings reported in the September 1997 sampling report, samples collected during March 1998 from wells MW-03, MW-04, MW-14, MW-15, MW-19, MW-22, MW-24, MW-25, and MW-26 did not contain reportable levels of beryllium. Also, in March 1998 beryllium was detected in samples from wells MW-16, MW-28, MW-30, and MW-31, while samples from these wells collected during the September 1997 event did not contain beryllium at detectable levels.

Because of the variability in the concentration of beryllium over time, meaningful trends have not been established for this analyte. Currently, a decreasing trend is apparent; however, this trend needs to be confirmed with additional data.

**Chromium.** Chromium was detected in samples from five wells located across the DDMT facility and off-site (Figure 3-10) and in trace amounts in 27 wells. Three of the detections occurred in samples from wells located on Dunn Field and two in samples from wells located on the Main Installation. Concentrations in these samples ranged from a low of 10.9  $\mu\text{g/L}$  to a high of 66.6  $\mu\text{g/L}$  in well MW-36. Two of the reported concentrations exceeded the proposed PRG value of 18.5 (Table 3-2). The highest concentration of chromium in the March 1998 sampling was observed in the Dunn Field well, which represents a contrast to the September 1997 data. In September 1997, the highest concentrations of chromium were observed in the Main Installation wells; the maximum concentration of 147  $\mu\text{g/L}$  was reported in the sample from well MW-4. During the March 1998 sampling event, chromium was not detected in any of the off-site wells.

Graphs of chromium concentration versus time for strategic wells were evaluated to determine temporal trends. Figure 3-9 depicts this relationship. Long-term trends indicate that chromium has been detected at the highest concentrations relative to the other metals. Temporal changes in chromium concentrations indicate a general decreasing trend between the September 1997 and March 1998 sampling events. During the March sampling event, chromium levels decreased in samples from 16 wells and increased in samples from two wells, as compared to the September 1997 sampling event. The most significant changes in chromium concentration over the most recent sample period were an increase of 57.5  $\mu\text{g/L}$  observed in MW-36 and a decrease of 144.7  $\mu\text{g/L}$  observed in MW-20. Temporal trends prior to September 1997 show no consistent pattern, as chromium levels decreased between the 1993 and 1996 sampling events and increased between the February 1996 and June 1997 sampling events.

Because of the variability in the concentration of chromium versus time, meaningful seasonal trends are not apparent. Currently, a decreasing trend is apparent, which is consistent with other metals constituents. This trend, however, needs to be confirmed with additional data to be collected.

**Copper.** Copper was detected in one well in Dunn Field and detected in trace amounts across Dunn Field, the Main Installation area, and off-site to the west of Dunn Field and south of the Main Installation (Figure 3-11). The single reportable detection of copper was in well MW-13, in the center of Dunn Field. During the previous sampling event (September 1997), the highest copper concentration (147  $\mu\text{g/L}$ ) was observed in the sample from well MW-20 located on Dunn Field. None of the copper concentrations observed during this sampling event exceeded the PRG concentration of 135.05  $\mu\text{g/L}$ .

Graphs of copper concentration versus time for strategic wells were evaluated to determine temporal trends for this analyte. The graphical representation shown in Figure 3-9 indicates that copper was detected at lower concentrations than was chromium. The 1993 values were either similar to or slightly higher than the 1990 values. For the period between 1993 and 1996, an overall decline in the copper concentrations was observed. The most recent data indicate a general decreasing trend in copper concentrations when compared to the September 1997 data. Over this same period, the most significant changes in copper concentrations were a 147 µg/L increase reported in well MW-20 and a 49.2 µg/L decrease reported in MW-16.

Temporal trends prior to June 1997 are not consistent, as copper levels decreased between the 1993 and 1996 sampling events and increased between the February 1996 and June 1997 events. Because of the variability in the concentration of copper over time, meaningful seasonal trends are not apparent. Currently, a decreasing trend is apparent.

**Lead.** Lead was detected in four samples from wells located on Dunn Field and the Main Installation and was detected in trace amounts in four additional wells. Two detections occurred in samples from wells located on Dunn Field and two detections occurred in samples from wells located on the Main Installation (Figure 3-12). Concentrations in these samples ranged from 4.8 µg/L to 41.6 µg/L; the high was reported in sample MW-13. The lead concentrations in samples from one well exceeded the background concentration of 9.4 µg/L, and the sample from the same well exceeded the PRG concentration of 15 µg/L. There were no detected concentrations of lead in any of the off-site wells.

Graphs of lead concentration versus time for strategic wells were evaluated to determine temporal trends for this analyte. The graphical representation shown in Figure 3-9 indicates that lead was detected at lower concentrations than chromium and copper. There also has been a generally decreasing trend of lead concentrations; the 1990 levels were the highest, 1993 levels were intermediate, and the 1996 levels were the lowest. The most recent data indicate a general decreasing trend in lead concentration between the September 1997 and March 1998 sampling events. During the period from September 1997 to March 1998, lead concentrations decreased in two samples and increased in two samples. Over this same period, the most significant changes in lead concentrations were an increase of 41.6 µg/L reported in sample MW-13.

**Nickel.** Nickel was detected in one well located on Dunn Field (Figure 3-13). There were trace levels of nickel detected in four additional samples. The detected concentration was in well MW-36 (47.8 µg/L). This value exceeds both the PRG and the background values for nickel. No samples from off-site wells had reportable concentrations.

Graphs of nickel concentration versus time for strategic wells were evaluated to determine temporal trends for this analyte. The graphical representation shown in Figure 3-9 indicates that nickel was detected at lower concentrations than chromium, copper and lead. There has been a generally decreasing trend in nickel concentrations; of the pre-1997 sampling events, the 1990 levels were the highest, 1993 levels were intermediate, the 1996 levels were the lower, and the 1997 levels were the lowest. The most recent data indicate a continuation of this decreasing trend in nickel concentration between the September 1997 and March 1998 sampling events. During the period from September 1997 to March 1998, the nickel concentration in MW-36 increased from 6.6 µg/L to 47.8 µg/L.

### 3.2.3 The Impact of Turbidity on Metals Concentrations

During the March 1998 sampling event, turbidity measurements were made with a bench scale turbidity meter. The turbidity measurements were then plotted against metal concentrations to determine whether a statistically significant relationship between these two parameters exists. Table 3-4 and Figure 3-14 present the effect of groundwater sample turbidity on total metal concentrations.

The data indicate that the metal concentration to turbidity correlation coefficients are poor, with an average correlation coefficient of 0.14. A correlation coefficient of zero would indicate that the magnitude of the metal concentrations is not linearly dependent on the magnitude of turbidity. Values of positive or negative one ( $\pm 1$ ) indicate a perfect direct and inverse linear relationship between concentration and turbidity, respectively. Intermediate values indicate a less than perfect correlation. The correlation coefficients for five indicator analytes (beryllium, chromium, copper, lead, and nickel) ranged between  $9.7 \times 10^{-5}$  for chromium to 0.0019 for beryllium. Overall, correlation coefficients suggest that sample metals concentrations are not linearly dependent on the magnitude of turbidity. However, it is important to note that the turbidity values used in this consideration were between 0 and 100. Therefore, the lack of correlation is for the turbidity range of 0 to 100.

The February 1996 data presented in the GCDR showed an ambiguous relationship between turbidity and the concentration of metals in the individual samples. The June 1997 sampling event indicated an overall positive relationship between sample turbidity and concentration based on the average linear correlation coefficient of 0.32. The September 1997 data suggested that with a correlation coefficient of 0.13, there is no correlation between turbidity and metals concentration. Based on the current data, no meaningful long-term trend has been established regarding the relationship between sample turbidity (values between 0 and 100) and metals concentrations.

### 3.2.4 Natural Attenuation Assessment

A technical protocol for data collection and analysis to support the screening of natural attenuation (intrinsic remediation) as a Feasibility Study remedial alternative has been implemented as part of the DDMT groundwater monitoring program. Natural attenuation occurs when physical, chemical, and biological processes act to reduce the mass, toxicity and mobility of subsurface contamination in a way that reduces risk to human health and the environment to acceptable levels.

Presently, natural attenuation should be evaluated for two areas, west of Dunn Field and southwest of the Main Installation. Along with the analysis of VOCs, the following protocol was used for evaluating natural attenuation for the areas.

SUGGESTED EPA PROTOCOL TO DEMONSTRATE NATURAL ATTENUATION ESTABLISHED FOR THE MARCH 1998 SAMPLING
Oxygen
Nitrate/Nitrite

SUGGESTED EPA PROTOCOL TO DEMONSTRATE NATURAL ATTENUATION ESTABLISHED FOR THE MARCH 1998 SAMPLING
Iron (II)
Sulfate
Methane, Ethane, and Ethene
Redox Potential
PH
Temperature
Conductivity
Chloride
Total Organic Carbon

The data collection protocol was implemented for wells located upgradient of the source, in the source, in the dissolved plume downgradient of the source, and downgradient of the dissolved plume.

### 3.2.5 Technical Summary

To evaluate the change in chemical mass over time the ratios of the parent to daughter products and to total concentrations (sum total of the parent and daughter products) were calculated. The ratios of the daughter products to parent products (e.g. TCE to PCE, DCE to TCE) and their ratios to the sum total concentration for select wells are summarized in Table 3-5. These ratios were used to develop trends that would show the progression and/or accumulation of degradation products in the Fluvial Aquifer as the groundwater moves downgradient, through the source area, and as a dissolved plume into a clean zone.

The ratios for the Main Installation wells, where quantifiable detections were reported, indicate that the daughter-parent ratios in downgradient wells MW-47 and MW-52 are greater. Although MW-47 is not directly downgradient of source well MW-21, the comparison suggests increased levels of 1,2 DCE within the dissolved plume. Wells MW-47 and MW-52 also showed an increase in the percent of 1,2 DCE to total VOCs.

The chemical ratios calculated for the Dunn Field wells indicate an appreciable increase in the ratio of 1,2 DCE to TCE in wells MW-31, MW-06, and MW-32, immediately downgradient of the source well (MW-12). This trend is also observed in MW-11 located hydraulically lateral to source well MW-12. This trend indicates a slight transformation of TCE to 1,2 DCE. The percentages of 1,2 DCE to total VOCs in the aforementioned wells is also greater than those observed in the source wells (MW-12 and MW-35), further supporting possible solvent transformation/degradation from the source to downgradient areas.

A comparison of the relative percent change of PCE, TCE, 1,1 DCE, and 1,2 DCE during the period of September 1997 to March 1998 indicates overall reduction in mass of 17.7 percent. The relative percent change of these VOCs is 8 percent, 17.7 percent, 15.7 percent and 24

percent, respectively. This change is high and suggest a time of significant VOC change (transformation) or a shift to areas where monitoring is not being performed. The specific geochemical and/or biological processes for this apparent mass reduction are not yet apparent.

#### **Contaminants and Geochemical Markers**

TCE is present in groundwater at concentrations that range up to 3200 µg/L. TCE is most widespread at Dunn Field where a significant source is located at well cluster MW-12/MW-35. The dissolved TCE plume extends over an area that encompasses most all of the other Dunn field chlorinated solvent plumes, with the exception of 1,2 DCE. The 1,2 DCE plume extents slightly outside the boundary of the TCE plumes, as illustrated on Figure 3-15. The concentration of TCE declines rapidly in the downgradient direction, west and north west of the source area.

A source of PCE is centered at MW10 (100 µg/L) and within the TCE source area. The concentration of PCE declines rapidly in the downgradient direction, west and northwest towards MW-31 and MW-30, respectively. PCE and TCE are in all likelihood parent products that degrade biologically to DCE and vinyl (VC), although, under the right conditions TCE is also a degradation product of PCE. It should be noted that no VC was reported in any samples collected.

As previously mentioned, the 1,2 DCE plume overlaps the 1,1 DCE plume, and lies within the TCE plume. The concentration of 1,2 DCE exceeded 200 µg/L in wells MW-12 (TCE source well) and MW-31 located downgradient of MW-12 and MW-10 (PCE source well). The isomers of 1,2 DCE (cis - and trans- DCE) were not analyzed so the presence of these forms of DCE are not known.

#### **Soluble Chloride Ion**

A strong indicator of chlorinated solvent degradation is the simultaneous increase in chloride concentration and the decrease in chlorinated solvent concentrations. Chemical concentrations of parent and daughter products indicate an apparent decrease in concentrations from September 1997 to March 1998. The chloride concentrations summarized in Table 3-6, however, do not show an obvious increasing trend. Background chloride concentrations are in the range of 6 to 38 µg/L and, with the exception of the 199 µg/L chloride concentration reported in well MW-32, there is not an apparent increase in chloride with time or spatially, from upgradient areas through the source and into the dissolved downgradient plume. Typically, a strong indicator of reductive dehalogenation would be chloride concentrations in the source/dissolved plume greater than two times the background chloride concentrations. This trend is not supported by the current data. Monitoring well MW-32 is located offsite and downgradient of the source well (MW-12), a strategic location for evaluating natural attenuation and fate and transport; additional geochemical data from this location will help evaluate the potential for natural attenuation at Dunn Field.

#### **Dissolved Oxygen and Redox Potential**

Outside the dissolved plume, background dissolved oxygen (DO) concentrations ranged from 1.6 to 11.52 mg/L. DO values measured in the source and dissolved plume ranged from 3.25 to 11.28 (Table 3-5). The distribution of DO in the Fluvial Aquifer is shown on Figure 3-16. Some of the DO measurements exceed the maximum theoretical concentration

for dissolved oxygen in water (9 mg/L), indicating instrument inaccuracies possibly related to calibration. Traversing a path in the direction of groundwater flow from upgradient (MW-13), through the source (MW-12), downgradient from the source within the dissolved plume (MW-31 and MW-54) to a clean zone, the reported DO concentrations were 6.75 mg/L, 7.21 mg/L, 5.11/8.78 mg/L, and 7.61mg/L, respectively. DO concentrations of less than 1 mg/L generally indicate a reductive pathway.

Redox potential in the source and dissolved plume range from 82.6 to 259.0 mV. Outside the dissolved plume, redox potential ranged from 100.9 to 263.6 mV (Table 3-5). The distribution of redox potential in the Fluvial Aquifer is shown in Figure 3-17. These values indict that the probability of reductive dechlorination occurring is low. Typically, redox potential below 50 mV enhances the potential for the reductive dechlorination. Studies indicate that the reduction of DCE to VC and ethylene are dependent of a sulfate reducing or methanogenic environment, and these processes readily occur at redox levels below - 200 mV. These conditions may be found in microenvironments, but do not dominate in the Fluvial Aquifer underlying the DDMT facility. Bacterial reductive dehalogenation of PCE and TCE to DCE can occur in relatively oxidizing conditions, requiring only the absence of oxygen or nitrate, a condition that may exist at Dunn Field. However, more data needs to be collected to better define the redox conditions and geochemical markers in the Fluvial Aquifer and to assess whether this degradation process can occur.

#### **Total Iron**

Total iron concentrations were determined for wells located within and outside of the contamination plume. Ideally,  $Fe^{2+}$  concentrations greater than 1 mg/L anoxic (oxygen deficient) conditions and the potential for an anaerobic pathway. Total iron concentrations, however, can be used as a preliminary indicator of where the reductive pathway is present. Iron concentrations that were reported in the dissolved plume ranged from 0.2 to 4.1 mg/L, with only indicating a low probability for a reductive pathway.

#### **Nitrate**

Nitrate concentrations ranged from 1.5 to 8.4 mg/L. These data did not indicate a distinct pattern of distribution as concentrations within the dissolved plume and downgradient of the dissolved plume are similar. In an environment where ideal conditions for a reductive pathway, upgradient nitrate concentrations would be significantly greater than 1 mg/L and within the source/dissolved plume nitrate concentrations would not exceed 1mg/L. The contrast in background to source is not essential for a reductive pathway to occur; this contrast is ideal. When nitrate levels exceed 1 mg/L, it may compete with the reductive pathway. Current data indicates less than optimum conditions to support a reductive pathway, although additional data may better determine the fate of this geochemical parameter.

#### **Sulfate**

Sulfate concentrations ranged from 5.9 to 51.4 mg/L. These data indicate a distinct pattern of distribution where concentrations within the dissolved plume were generally higher than those outside of the plume. Sulfate as an indicator for reductive pathway are generally when background concentrations exceed 20 mg/L, and source/dissolved plume concentrations are less than 20 mg/L. Similar to sulfate, the contrast from background to source is not essential for a reductive pathway to occur, it represents ideal conditions. When sulfate levels exceed 20 mg/L, it may compete with the reductive pathway. At Dunn Field, dissolved plume wells MW-32 and MW-35 have sulfate concentrations that are less

than 20 mg/L; however, concentrations of sulfate in wells MW-3, MW-8, MW-10, and MW-31 were much greater than 20 mg/L. Current data indicates less than optimum conditions to support a reductive pathway, although additional data may better determine the fate of this geochemical parameter.

**Natural Attenuation Total Organic Carbon (TOC), Alkalinity ( $\text{HCO}_3^-$ ) and Ammonium**  
Limited TOC,  $\text{HCO}_3^-$ , and ammonium data are currently available. The low TOC values and  $\text{HCO}_3^-$ , and ammonium suggest conditions that are not optimal to drive a reductive pathway. Although additional data is required to establish any meaningful trends from these geochemical markers, their trends are consistent with the other parameters collected.

### 3.2.6 Natural Attenuation Summary

A technical protocol for evaluating natural attenuation has been established. The protocol is based on the most current scientific information available. Natural attenuation parameters are being collected in two areas, west of Dunn Field and southwest of the Main Installation.

In general, the existing geochemical data indicate a chemical and biological environment with less than ideal conditions to support natural attenuation. In contrast, however, are the mass decreases observed over the period of September 1997 to March 1998, and the increasing ratios of daughter products downgradient of the source term. Additional data and technical evaluation will be performed following the September 1998 sampling event to further evaluate this apparent difference in the aforementioned data trends.

## 4.0 Conclusions

---

Based on the groundwater data collected during March 1998, the following conclusions have been drawn:

1. Test borings and well installations west of Dunn Field have provided a general configuration of the base of the Fluvial Aquifer showing the trend of the previously identified depression in the clay surface (Law, 1990).
2. In March 1998, groundwater elevations underlying Dunn Field were on average 0.88 foot higher and groundwater elevations underlying the Main Installation was 0.56 foot higher than observed in the September 1997 sampling event. The maximum difference in water elevation in the Fluvial Aquifer was observed in MW-42, where the groundwater elevation increased 3.4 feet between September 1997 and March 1998. The maximum difference in water elevation in the Memphis Sand Aquifer was observed in MW-36, where the groundwater elevation increased 10.38 feet between September 1997 and March 1998. Based on the variability of the water levels and the hydraulic gradients measured in the Fluvial Aquifer and the rainfall data, groundwater flow patterns in the Fluvial Aquifer are complex and may not be sensitive to local rainfall recharge. However, there is significant lag time in the Fluvial Aquifer due to local rainfall recharge. This is evident by the change in head in the Fluvial Aquifer versus the Memphis Sand Aquifer. A comparison of the groundwater flow patterns versus chemical migration patterns over time will be necessary to validate the hydrogeological site model.
3. In the northern portion of the site, the hydraulic gradients of the Fluvial Aquifer are consistent with the surface gradients of the basal clay confining unit, which is the lower hydrologic boundary of the water-table aquifer system.
4. Groundwater flow on the eastern portion of the study area is west to southwest, where it converges along the northwest-southeast trending paleochannel feature. Groundwater flow on the western portion of the study area is east to northeast, where it converges along the paleochannel feature. Groundwater movement is away from the site (northwest flow) along the northwestern boundary of the study area. In general, a potentiometric low is centered on MW-34, and the groundwater hydraulic gradients indicate convergence of flow to this low point.
5. The trend analysis made on the September 1997 and March 1998 sampling data indicate a moderate increase in size of the VOC contamination plume and a significant decrease in the inorganic contamination plume.
6. Overall, VOCs exhibited an increasing trend when comparing the September 1997 to the March 1998 data. During this period more samples exhibited increasing concentrations of 1,1-DCE, PCE, TCE, 1,1,2,2-PCA and C4. Although the magnitude of the TCE plume (center of chemical mass) decreased by 600 µg/L at MW-12, the size of the TCE plume continued to expanded off-site to areas north, northwest and west of Dunn Field. It is

suspected that a change in chemical mass flux has caused this apparent increase in plume size, a condition that was exhibited by the five VOC contaminants of interest.

7. The September 1997 data confirmed a detection of 1,1-DCE (1 µg/L) in MW-45, where it had not previously been reported. March 1998 data indicates no 1,1-DCE was detected in MW-45. However, a concentration slightly above the detection limit was reported in MW-40. This low-level detection may be due to a change in chemical mass flux and plume geometry, an indication that the groundwater plume may no longer be bound by MW-40 in this direction. Consistent with the September 1997 data, 1,1-DCE was not detected in well MW-46, a well located in the same general area but closer to the main source, and this appears to be a long term fate and transport trend for 1,1 DCE in this area. An increase in 1,1-DCE was again reported in well MW-51, as it was in February 1996, June 1997, and September 1997 sampling events, which indicates that this plume is no longer bound to the north.
8. The largest PCE plume is centered on the western and northwestern boundary of Dunn Field. PCE was detected in MW-54, which is consistent with the September 1997 data. This trend indicates that the plume is bound to the west only by MW-44. PCE was not reported in samples from this well in February 1996 and June 1997. The concentration of PCE has remained constant in well MW-51, located north of Dunn Field, an indication that the plume is bound by MW-51 in this direction. Additional groundwater monitoring points will be required to fully assess the fate and transport of PCE in this area.
9. The largest TCE plume is centered on the western and northwestern boundary of Dunn Field. The concentrations of TCE reported in samples MW-31, MW-44 and MW-54 (VOC concentrations in MW-31, and MW-54 have increased significantly) indicate that the plume continues to expand to the west. Similarly, the TCE concentrations reported in samples from MW-51 and MW-29 indicate continued expansion of the plume to the north. The concentration of TCE in these off-site wells has steadily increased over the periods of February 1996 to June 1997, June 1997 to September 1997, and September 1997 to March 1998. Overall, the TCE plume has increased in size to the west and north, up to the edge of the current monitoring well network, due to a shift in the center of mass of the TCE plume. This shift in mass was first observed during the June 1997 sampling event. Additional monitoring points may be required to fully assess the fate and transport of TCE.
10. The March 1998 plume geometry for 1,1,2,2-PCA is consistent with the plumes described by the February 1996, June 1997, and September 1997 data. The C4 plume has changed by increasing slightly since September 1997. The 1,1,2,2-PCA concentrations reported in samples from well MW-31 have been highly variable; the concentrations for February 1996, June 1997, and September 1997 were 420 µg/L, not detected, and 10 µg/L, respectively. The March 1998 data for well MW-31 is consistent with the September 1997 sampling data, and indicates a plume which extends off-site and to the west of Dunn Field.
11. The most significant change in groundwater chemistry occurred in MW-12, where the concentration of TCE decreased from 3,800 µg/L to 3,200 µg/L between September 1997 and March 1998. During this same period, the concentrations of TCE also decreased in

MW-31 and MW-35, a trend that was observed over the period from February 1996 to June 1997.

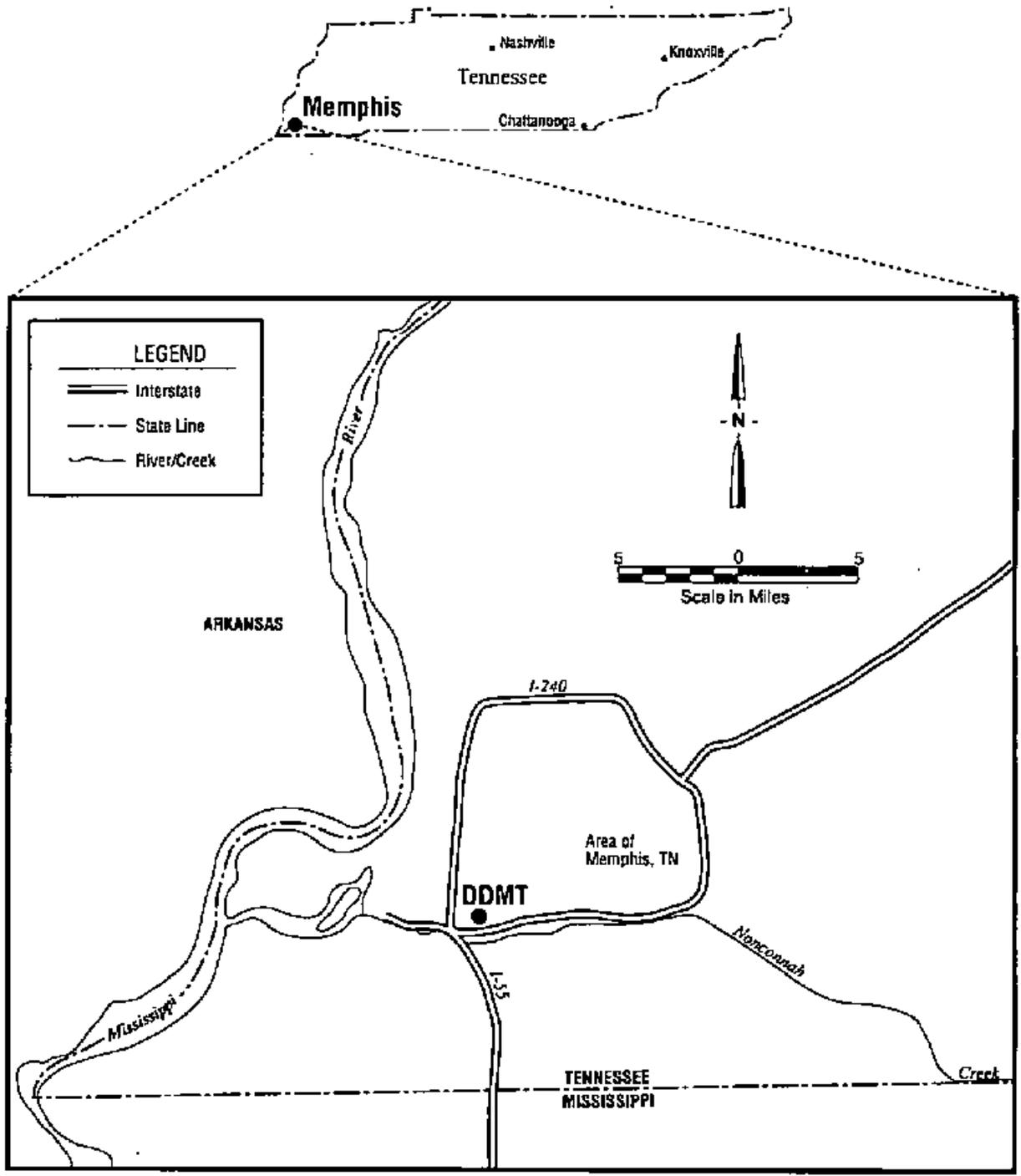
12. Inorganic constituents of concern (beryllium, chromium, copper, lead, and nickel) are elevated at Dunn Field and the northwestern portion of the Main Installation area. Off-site concentrations are below detection or significantly reduced. Overall, the inorganic concentrations have decreased compared to the September 1997 data, as suggested by temporal trend analysis. The decreasing trend over the most recent sampling period may be temporal because of the increasing trend observed over the February 1996 to June 1997 period, or may be due to the low turbidity of the groundwater samples. Additional groundwater data will confirm whether this is a long-term trend in metals concentrations.
13. All metal samples reported herein were unfiltered and therefore sensitive to sampling techniques that influenced the amount of sediment in the sample. Use of low-flow down-hole pumps has resulted in lower sediment concentrations than those of previously collected samples. The turbidity analysis and correlation presented in Section 3.2.3 indicates no positive correlation between sample turbidity and metals concentration for turbidity values less than 100 NTU. During the previous sampling periods (February 1996 to June 1997, and June 1997 to September 1997), a positive correlation between sample turbidity and metals concentration was observed. Overall, the metals concentrations reported during the March 1998 sampling event were significantly lower than concentrations reported from all previous sampling events.
14. A technical protocol for evaluating natural attenuation has been established. The protocol is based on the most current scientific information available. The two areas where natural attenuation parameters are being collected include west of Dunn Field and southwest of the Main Installation. In general, the existing geochemical data indicate a chemical and biological environment with less than ideal conditions to support natural attenuation. In contrast, however, are the observed VOC mass decreases observed over the period of September 1997 to March 1998, and the increasing ratios of daughter products downgradient of the source term. Additional data and technical evaluation are required to evaluate this apparent difference in the aforementioned data trends.
15. The final sampling event for water level and groundwater data will be required to assess the extent of chemical migration and the potential for chemical migration due to the temporal variations in groundwater chemistry and hydraulic conditions in the Fluvial Aquifer. Long-term trends are developing in the current database that can be further supported by the September 1998 sampling event. The apparent trend for the VOC plume to expand and also decrease in mass, the decline in metals concentrations due to turbidity, and the potential for natural attenuation are trends that can be further supported with another round of groundwater quality data.

## 5.0 References

---

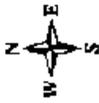
- CH2M HILL. *Downhole Geophysical Characterization of Monitoring Wells at the Defense Distribution Depot Memphis, Tennessee*. Technical Memorandum. November 1996.
- CH2M HILL. *Final Groundwater Characterization Data Report*. Prepared for the Defense Distribution Depot Memphis, Tennessee (DDMT). August 1997.
- CH2M HILL. *Generic Quality Assurance Project Plan*. Prepared for the DDMT. 1995.
- CH2M HILL. *Quarterly Groundwater Monitoring Report (Second Quarter 1997)*. Prepared for the DDMT. September 1997.
- Corps of Engineers, Huntsville Division (CEHND). *Record of Decision for Interim Remedial Action of the Groundwater at Dunn Field (OU-1) at the Defense Distribution Depot Memphis, Tennessee*. August 1995.
- Duffield, G.M. *AQTESOLV Aquifer Test Solver, Version 2.01*. Geraghty & Miller, Inc. 1995.
- Environmental Science and Engineering. *Groundwater Monitoring Results at DDMT*. February 1994.
- Freeze, R.A., and J. A. Cherry. *Groundwater*. Prentice-Hall, Inc. 1979.
- Graham, D.D., and W.S. Parks. *Potential for Leakage Among Principal Aquifers in the Memphis Area, Tennessee*. U. S. Geological Survey Water Resource Investigation Report 85-4295. 1986.
- Kingsbury, J.A., and W. S. Parks. *Hydrogeology of the Principal Aquifers and Relation of Faults to Interaquifer Leakage in the Memphis Area, Tennessee*. U.S. Geological Survey Water-Resources Investigations Report 93-4075. 1993.
- Kruseman, G.P., and N.A. de Ridder. *Analysis and Evaluation of Pumping Test Data*. Second Edition. International Institute for Land Reclamation and Improvement. 1990.
- Law Environmental. *Remedial Investigation at DDMT*. Final Report. August 1990.
- Nyman, D.J. *Predicted Hydrologic Effects of Pumping from the Lichterman Well Field in the Memphis Area, Tennessee*. U. S. Geological Survey Water Supply Paper 1819-B. 1985.
- Parks, W.S., and J. K. Carmichael. *Geology and Ground-water Resources of the Cockfield Formation in Western Tennessee*. U.S. Geological Survey Water-Resources Investigations Report 88-4181. 1988.
- Tennessee Department of Environmental Conservation (TDEC). *Hazardous Substances Guidelines*. Division of Superfund. Draft. December 14, 1987.
- U.S. Environmental Protection Agency (EPA). *U.S. EPA Contract Laboratory Program National Functional Guidelines for Organic Data Review*. EPA540/R-94/-012. February 1994(a).
- U.S. EPA. *U.S. EPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*. EPA540/R-94/-13. February 1994(b).

**Figures**



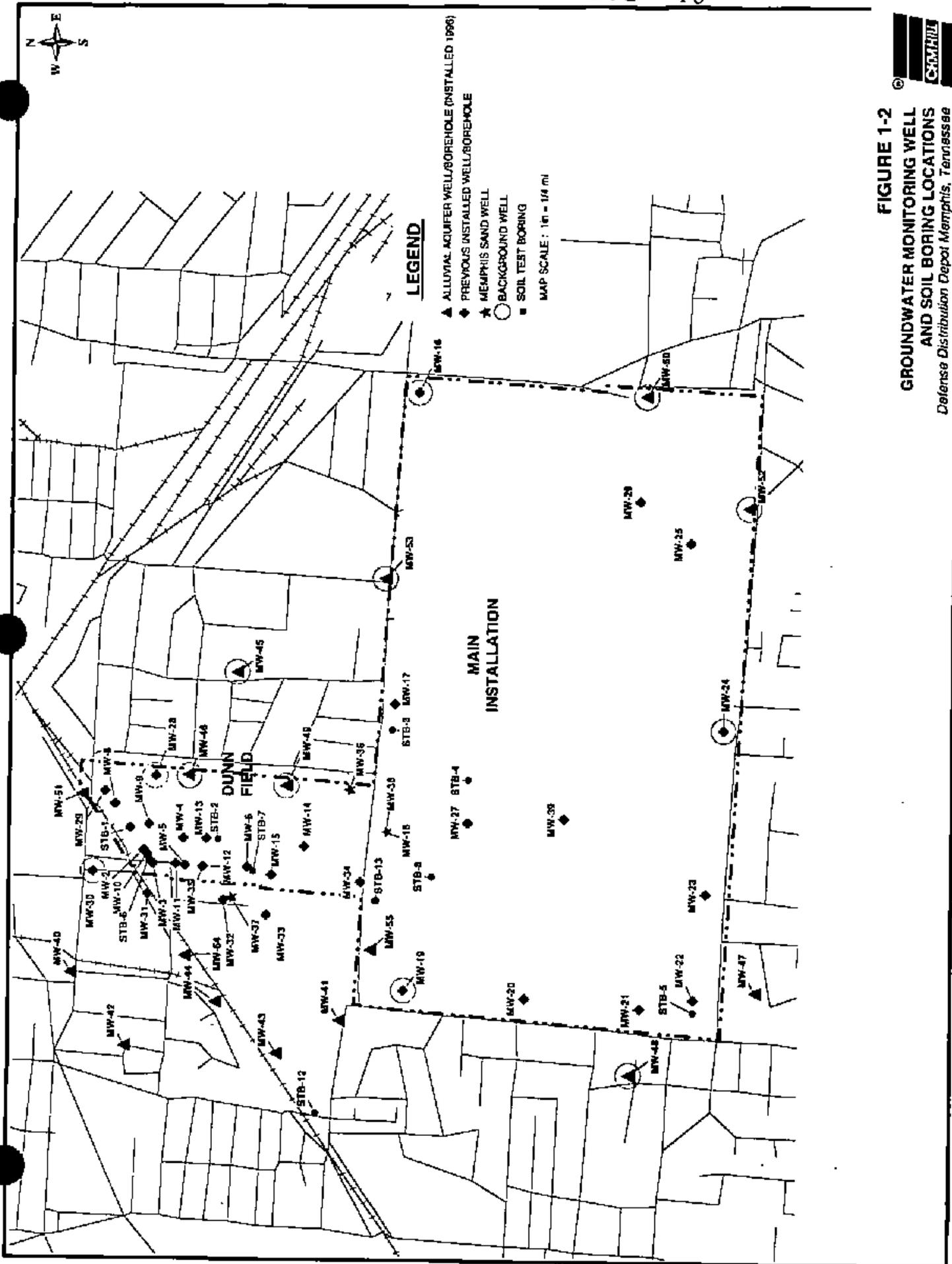
SOURCE: Engineering-Science, 1993.

**Figure 1-1**  
**DDMT Location in Memphis Metropolitan Area**  
*Defense Distribution Depot • Memphis, Tennessee*



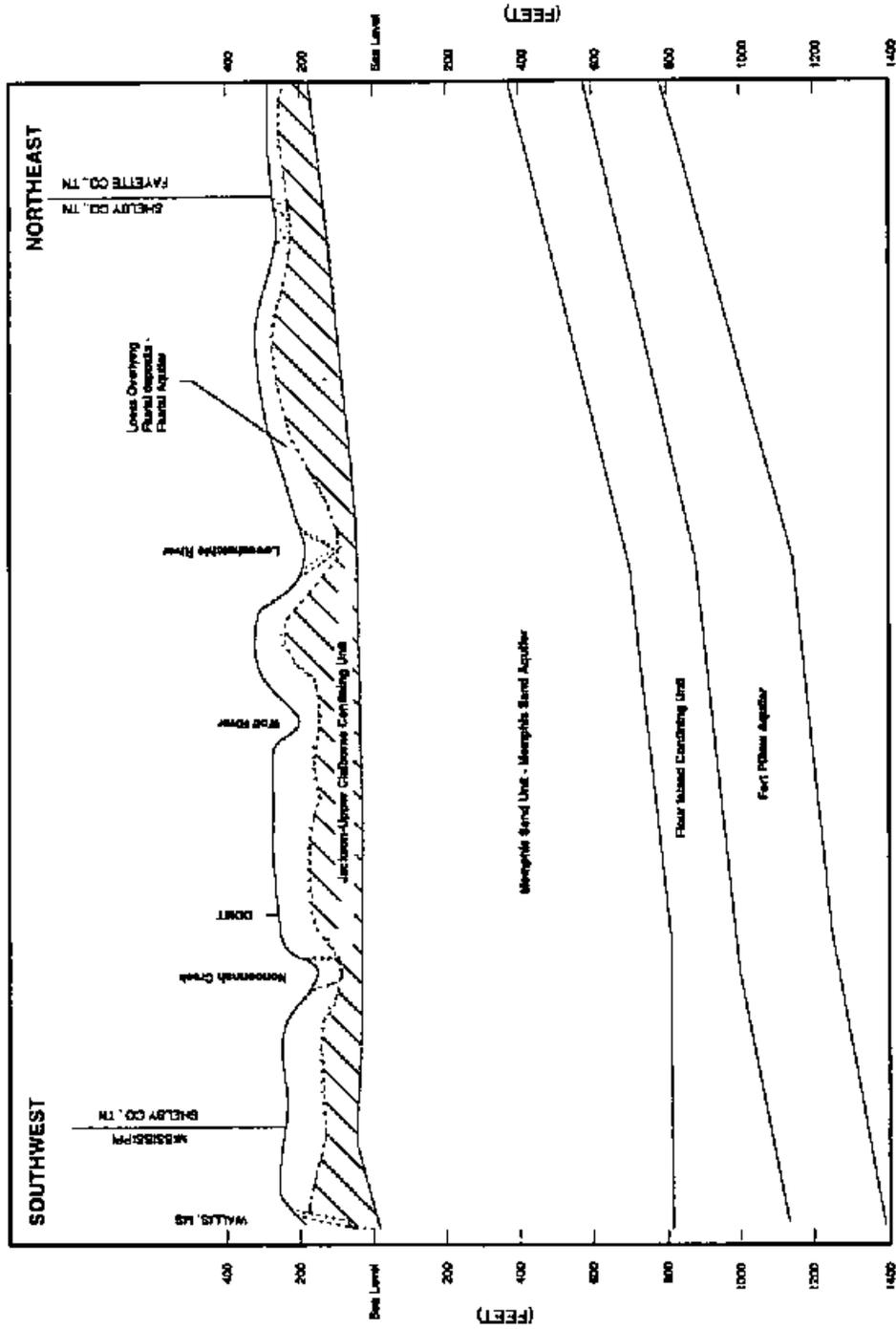
**LEGEND**

- ▲ ALLUVIAL AQUIFER WELL/BOREHOLE (INSTALLED 1966)
  - ◆ PREVIOUSLY INSTALLED WELL/BOREHOLE
  - ★ MEMPHIS SAND WELL
  - BACKGROUND WELL
  - SOIL TEST BORING
- MAP SCALE : 1in = 1/4 mi



**FIGURE 1-2**  
**GROUNDWATER MONITORING WELL**  
**AND SOIL BORING LOCATIONS**  
*Defense Distribution Depot Memphis, Tennessee*

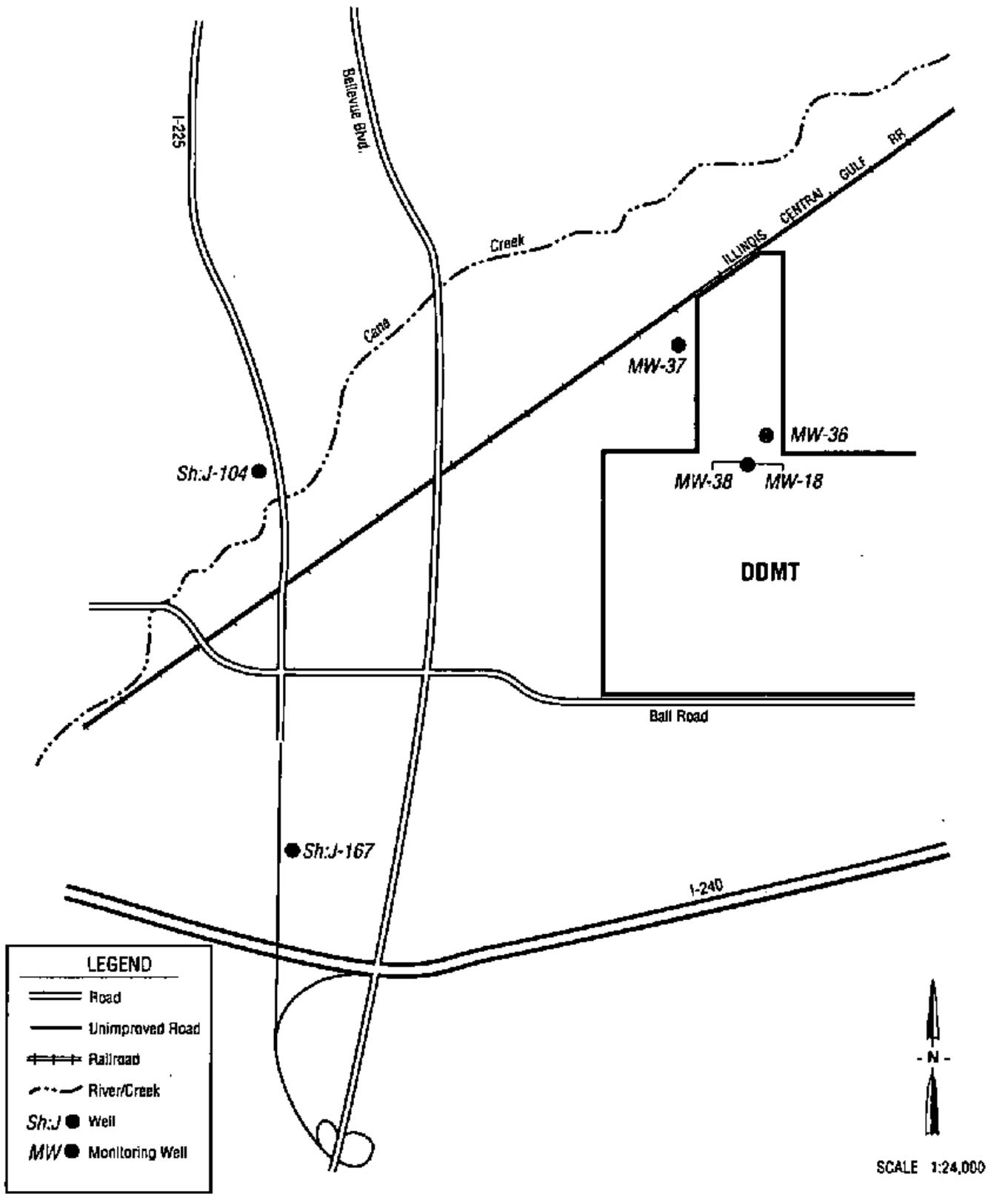




**FIGURE 1-3**  
**GENERAL GEOLOGIC CROSS SECTION OF THE MEMPHIS AREA**  
*Defense Distribution Depot Memphis, Tennessee*

Source: Parks, 1990

general112501020 02/29/14 8:58

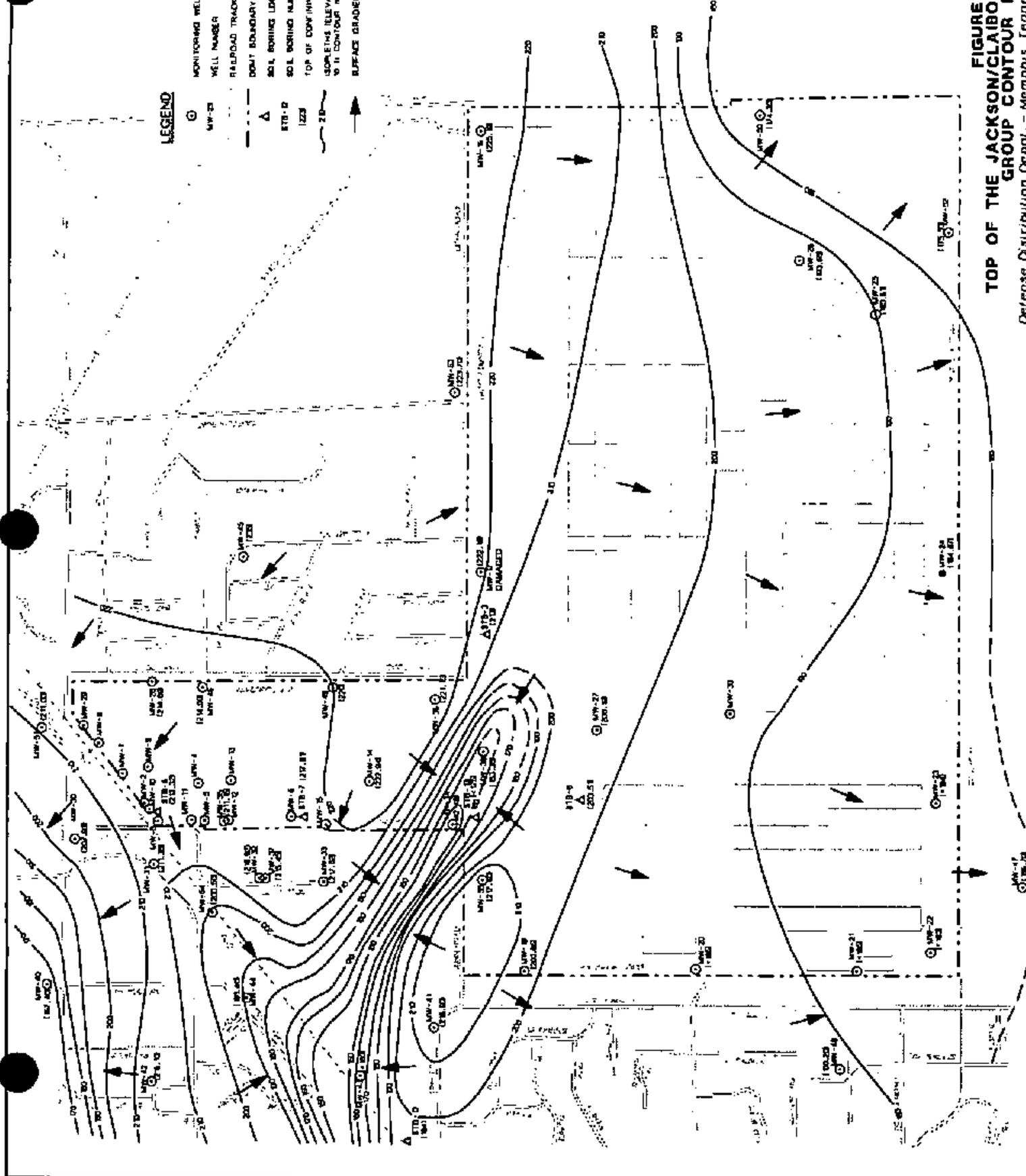


**Figure 1-4**  
**Confined Sand Aquifer Well Locations**  
 Defense Distribution Depot - Memphis, Tennessee

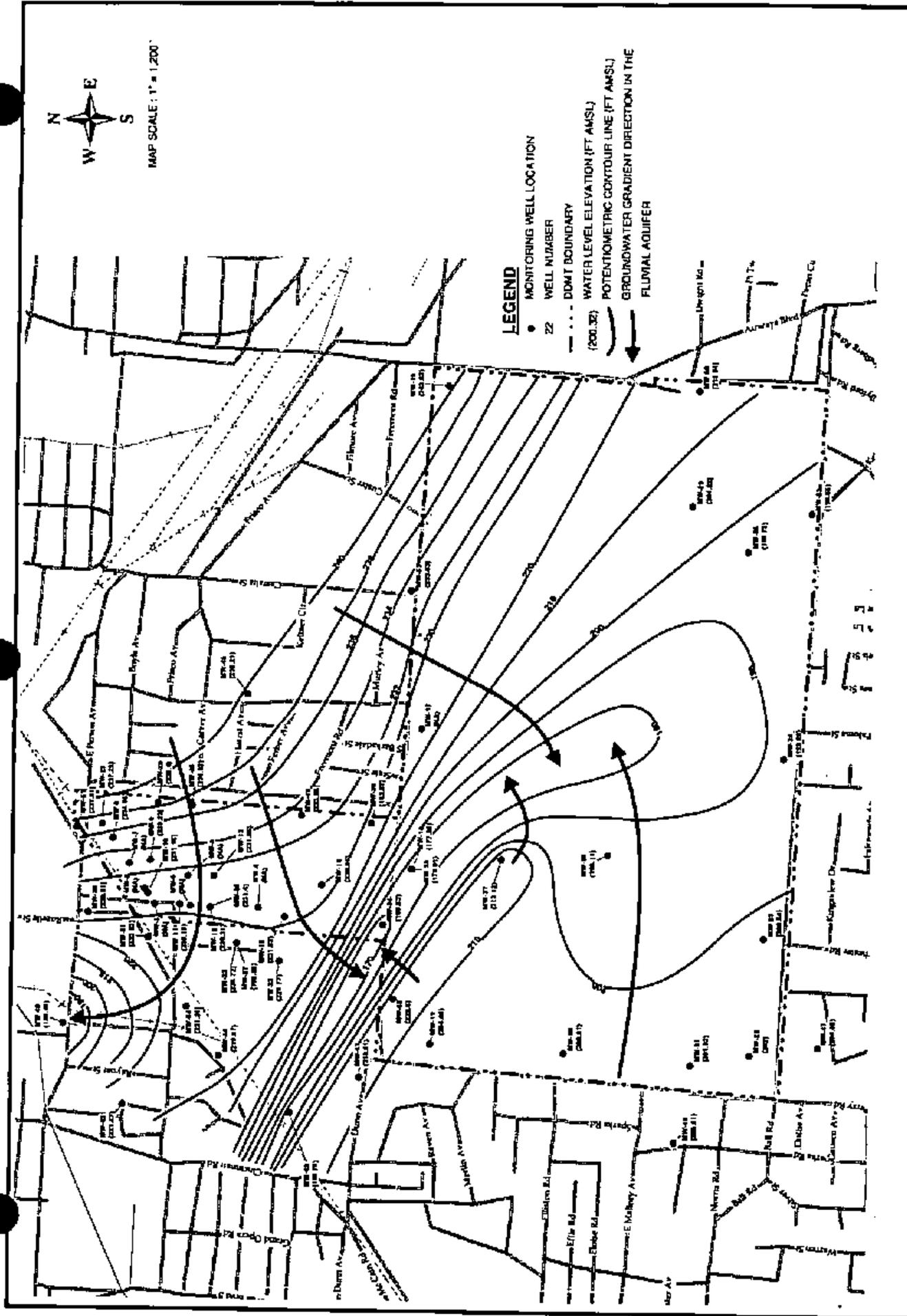


**LEGEND**

- MONITORING WELL LOCATION
- WELL NUMBER
- RAILROAD TRACKS
- - - DEWY BOUNDARY
- △ SOIL BORING LOCATION
- △ SOIL BORING NUMBER
- TOP OF EXPANDING UNIT ELEVATION (IN FEET)
- SOMEONE'S ELEVATION IN 11/19/81
- 5' 11" CONTIGUOUS INTERVAL
- SURFACE GRADIENT OF CLAY



**FIGURE 1-5**  
**TOP OF THE JACKSON/CLAIBORNE**  
**GROUP CONTOUR MAP**  
 Defense Distribution Dept. - Memphis, Tennessee



**FIGURE 3-1**  
**POTENTIOMETRIC SURFACE MAP**  
**MARCH, 1998**  
 Defense Distribution Depot Memphis, Tennessee







**FIGURE 3-3**  
**TETRACHLOROETHYLENE (PCE) CONCENTRATION**  
**IN FLUVIAL AQUIFER - MARCH, 1998**  
*Delense Distribution Depot Memphis, Tennessee*



Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations

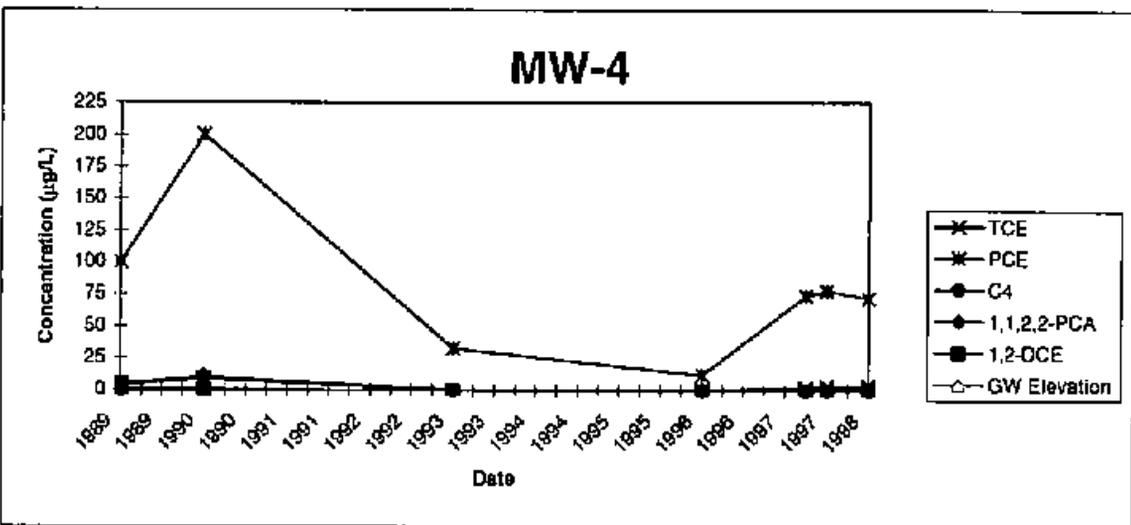
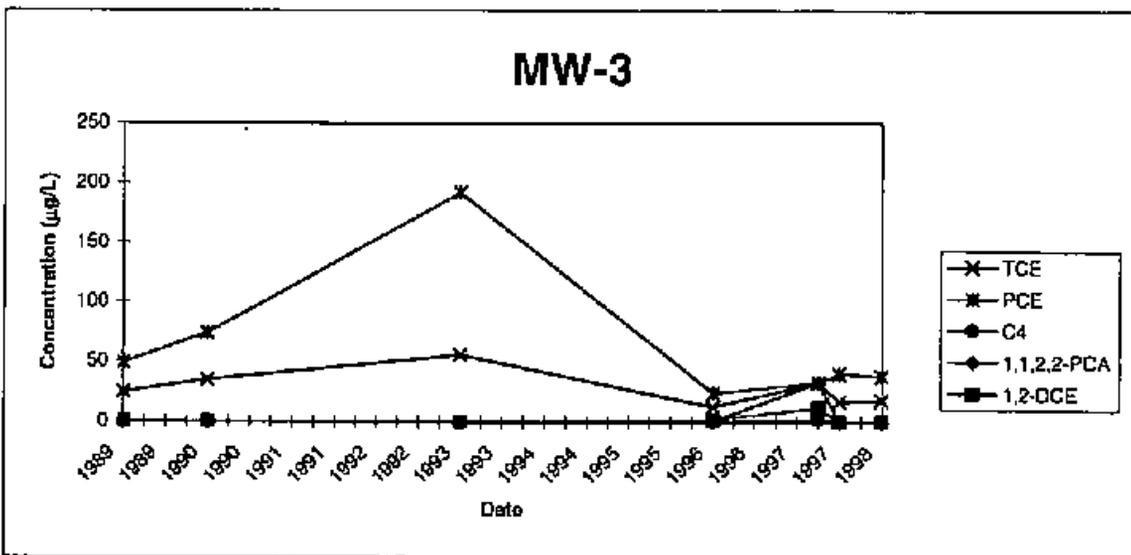
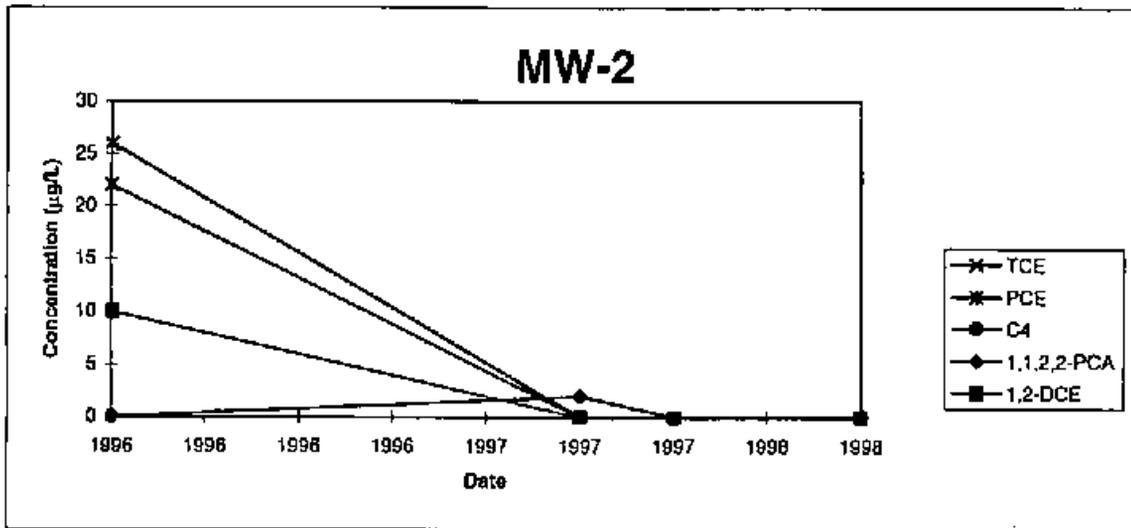


Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations

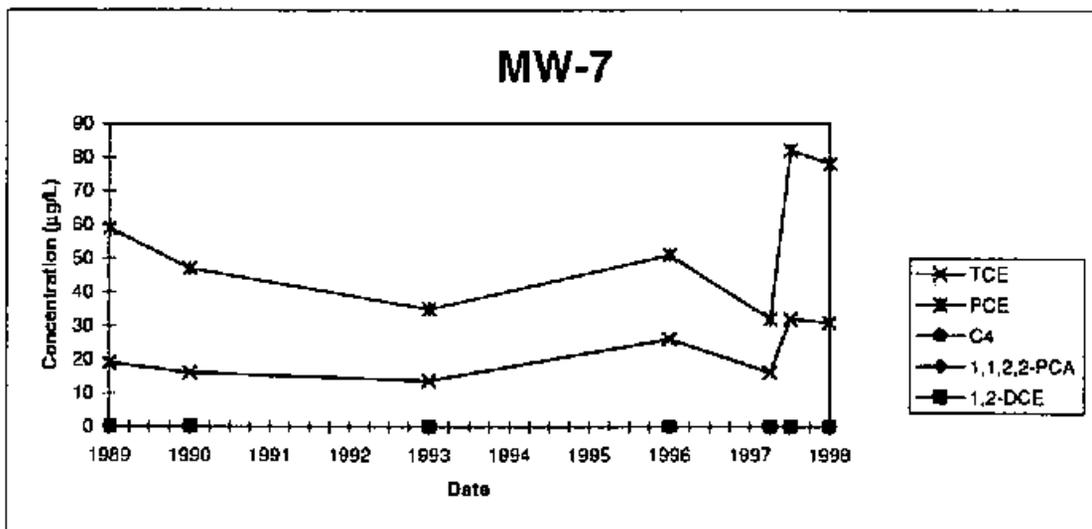
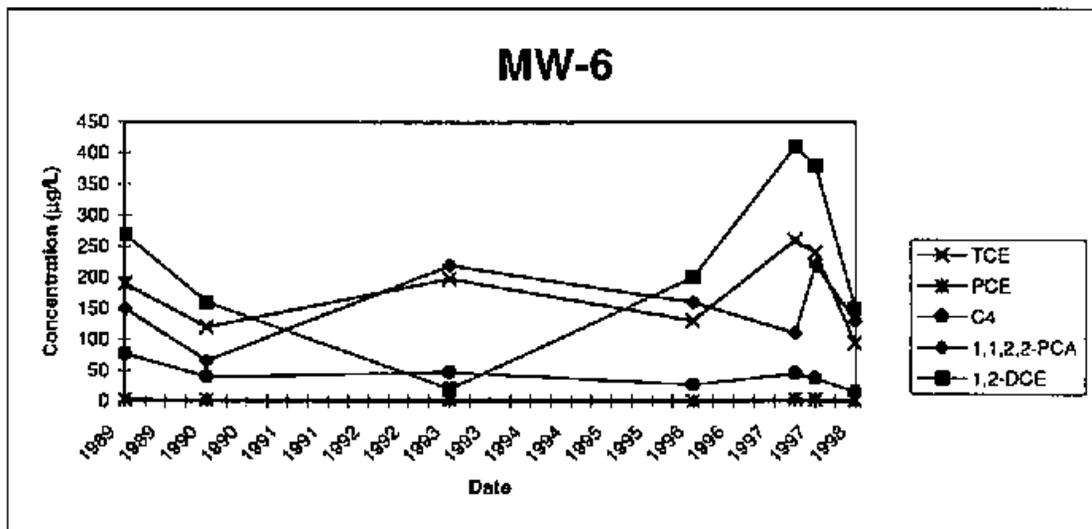
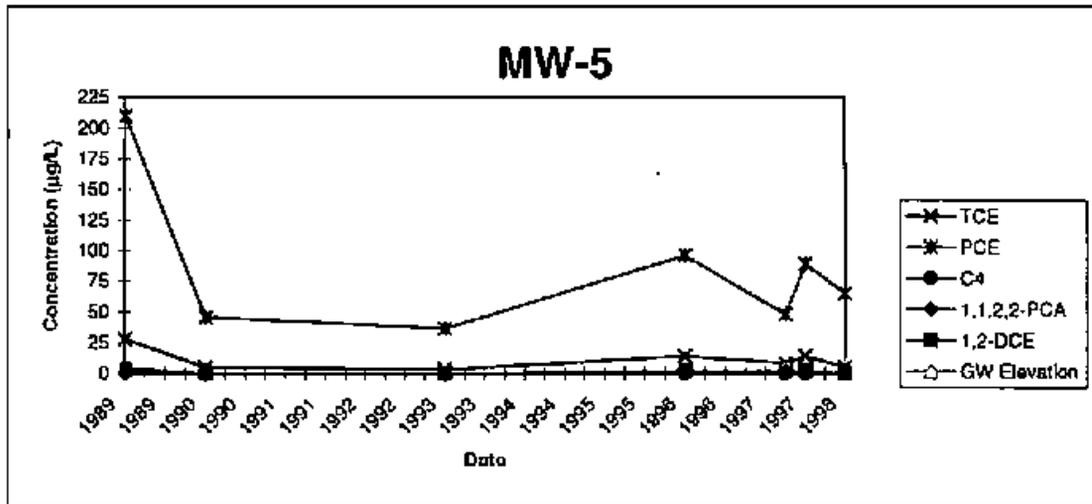


Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations

291 52

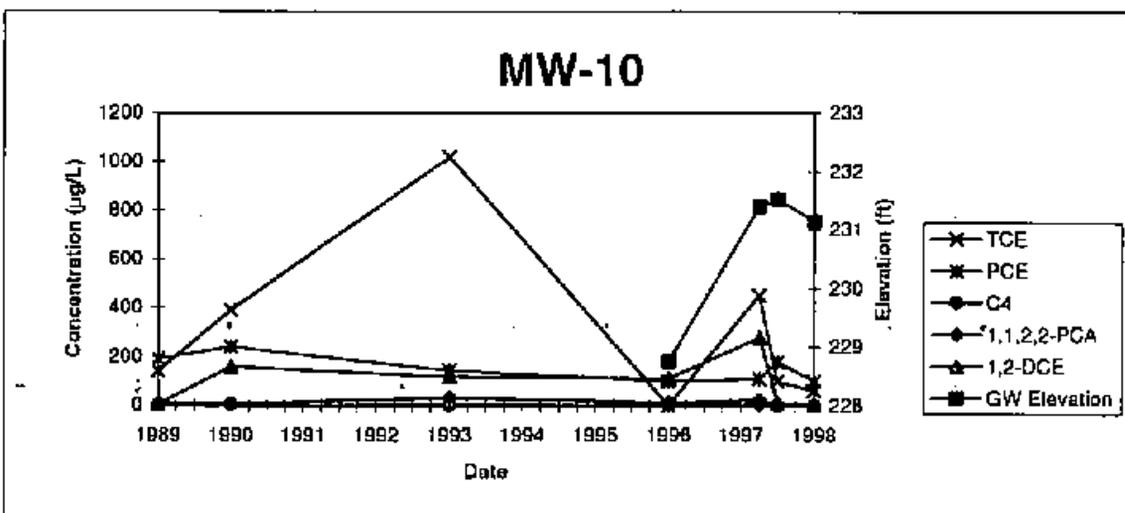
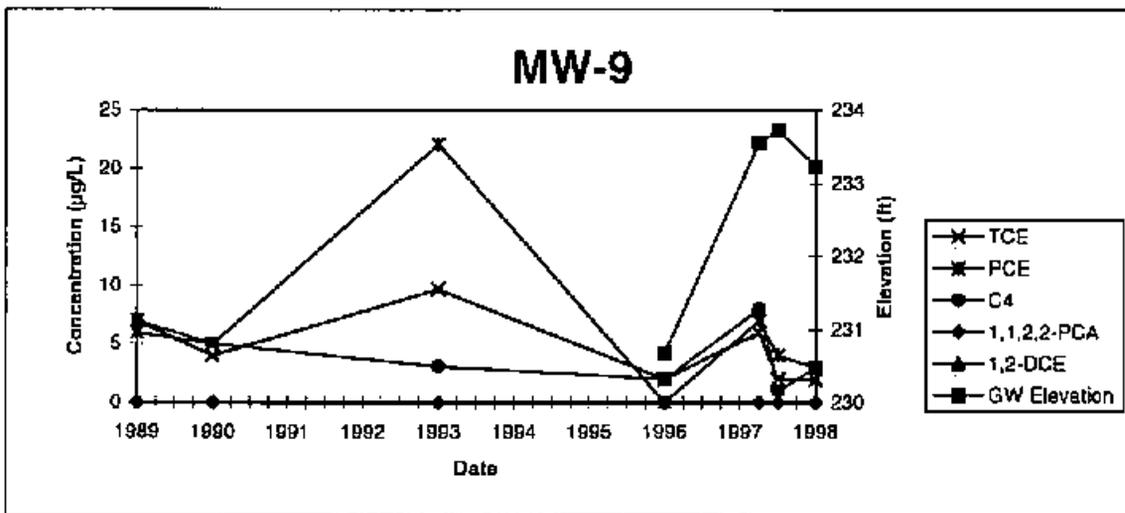
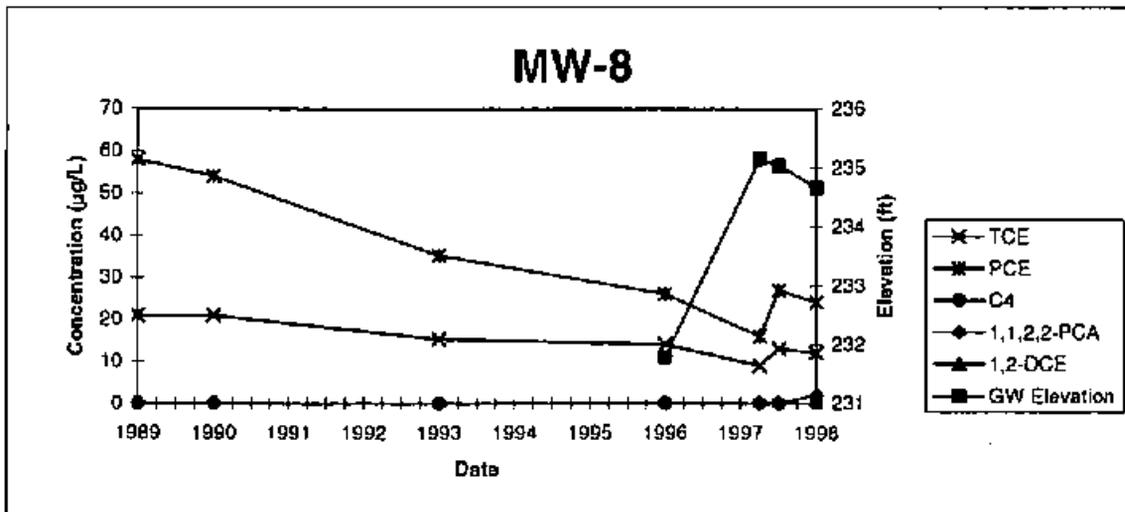
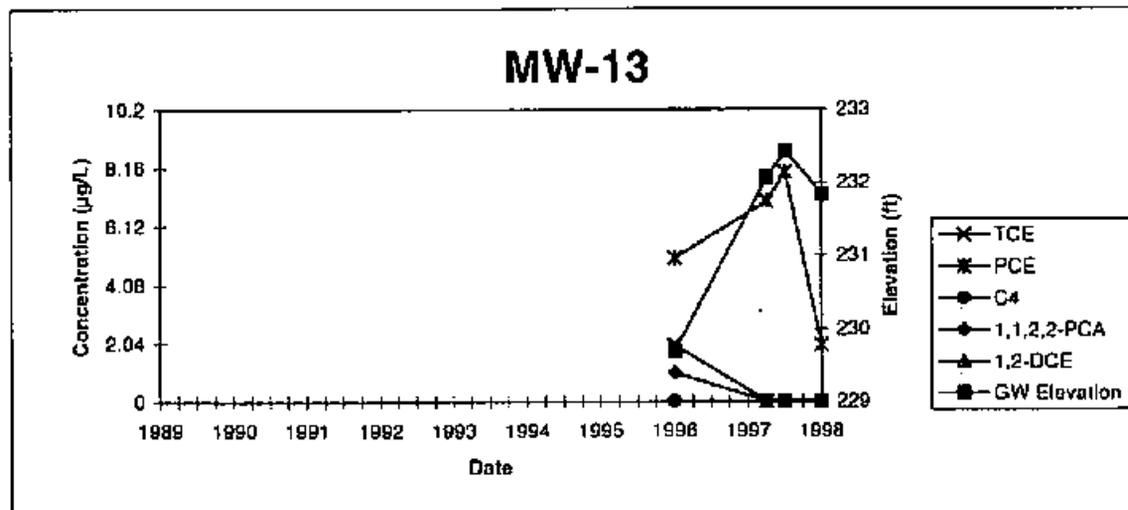
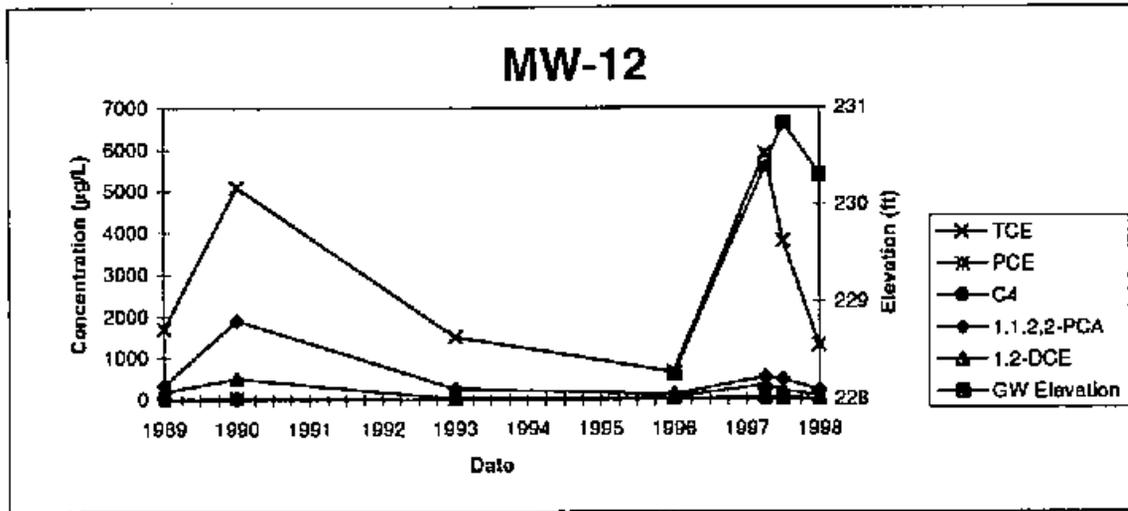
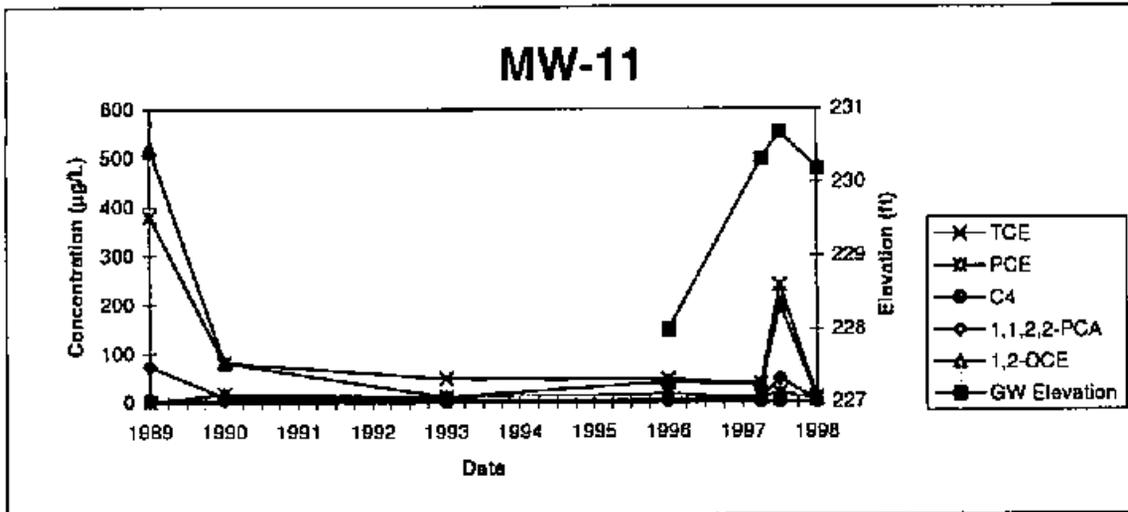


Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations



291 54

Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations

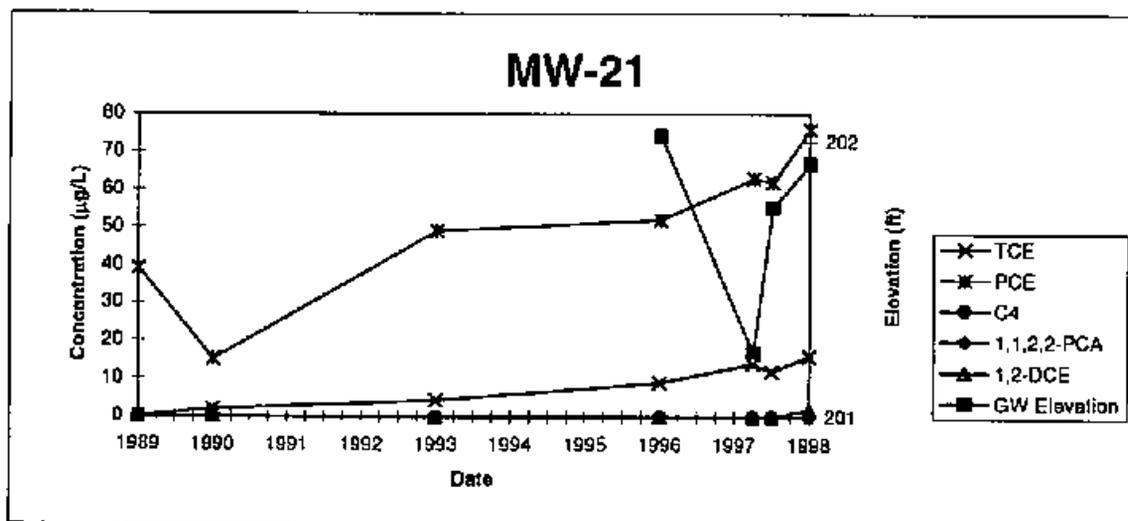
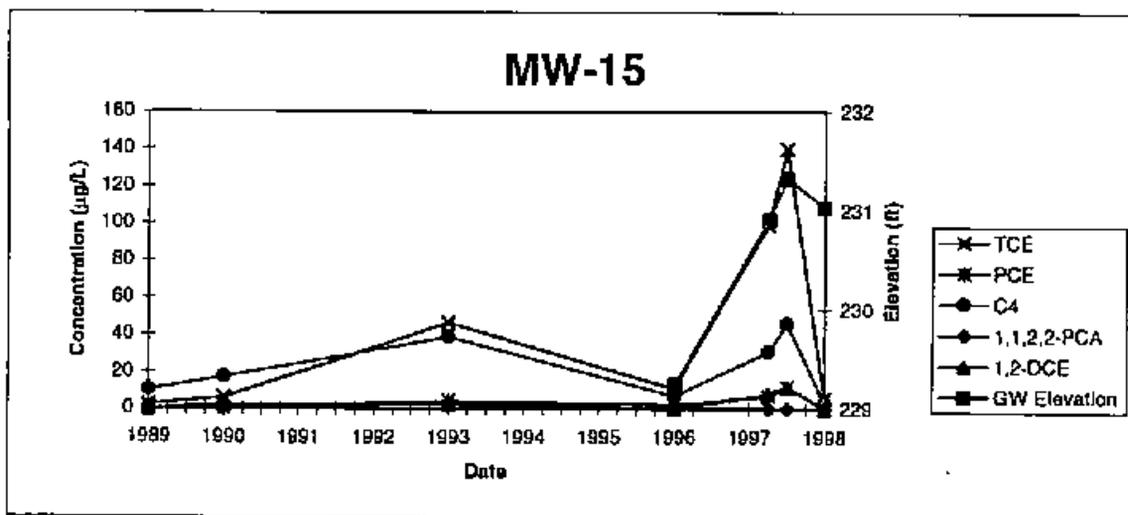
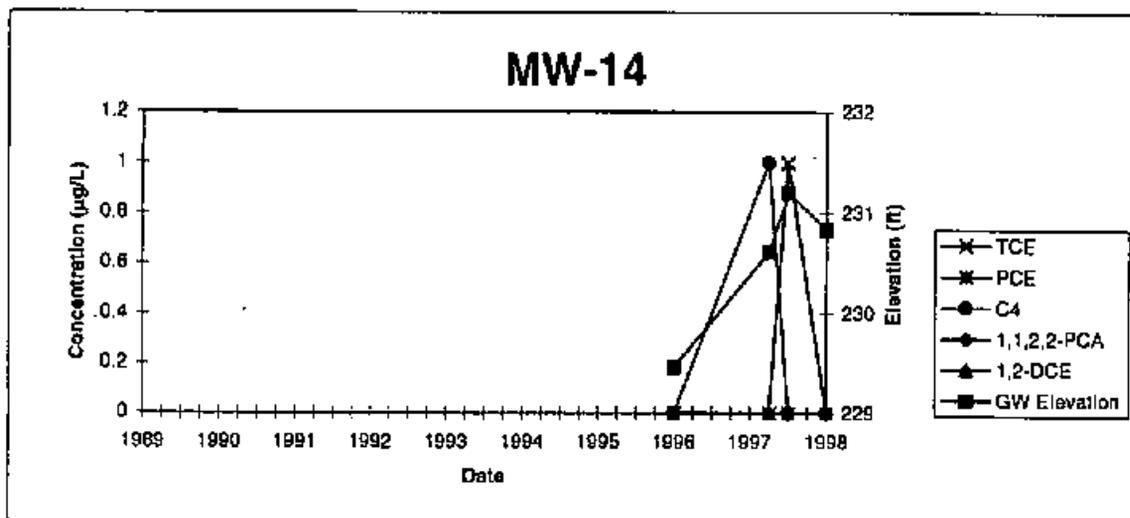


Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations

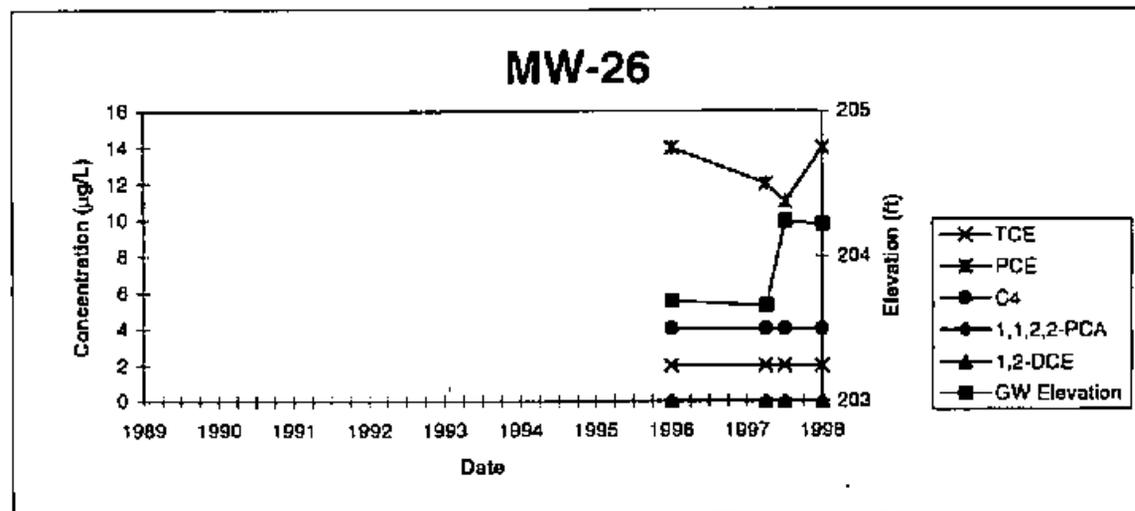
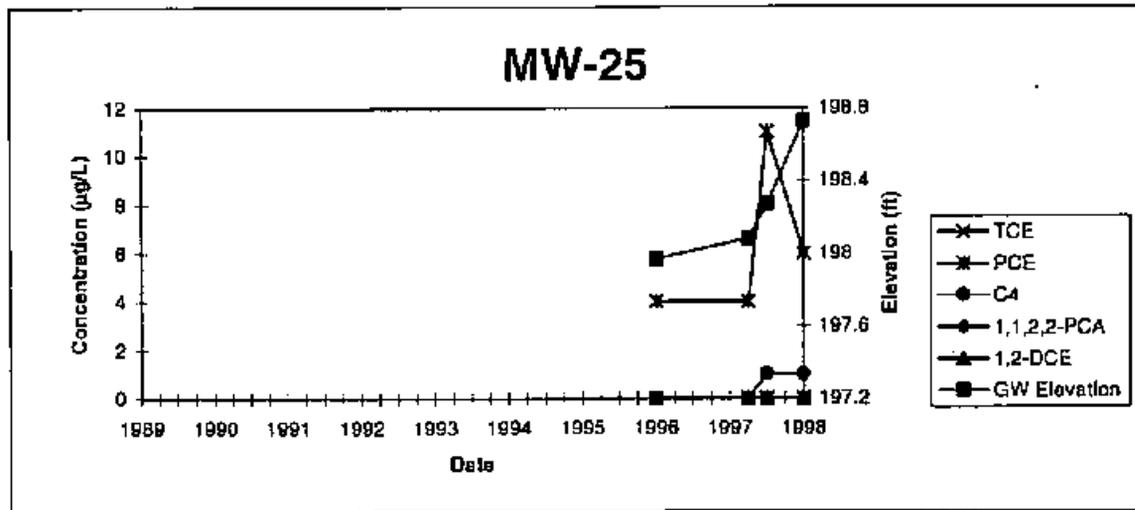
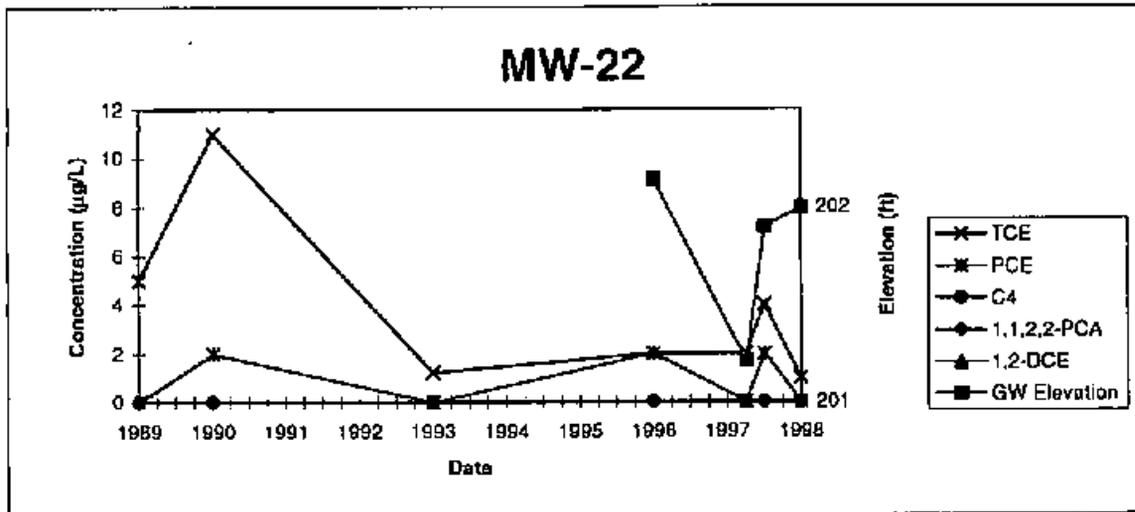


Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations

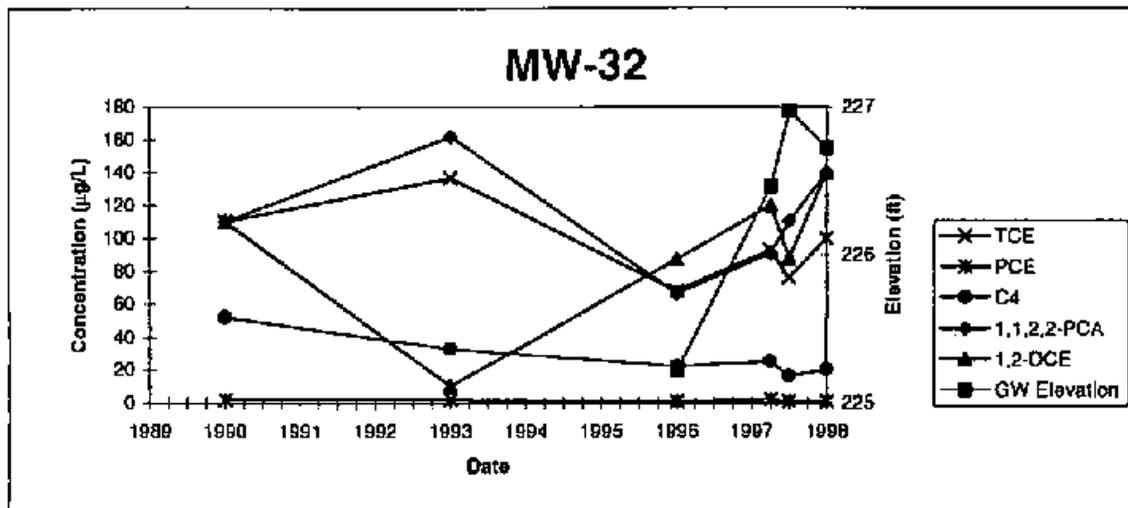
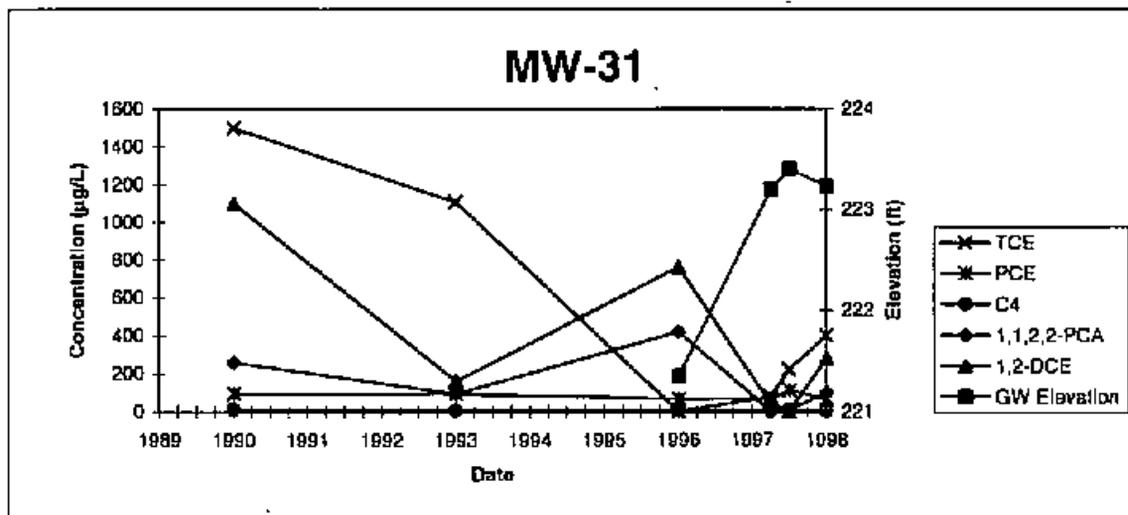
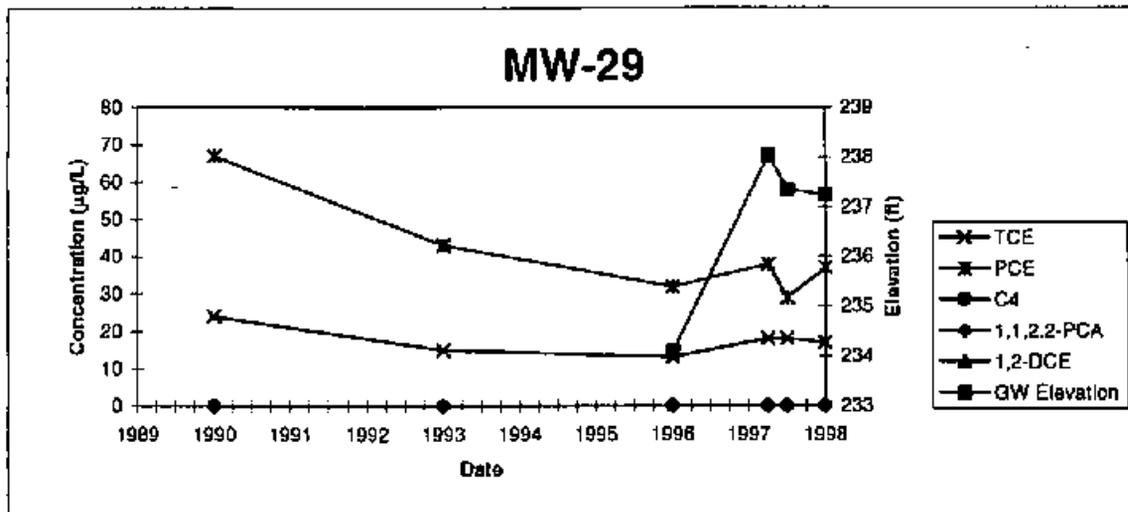


Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations

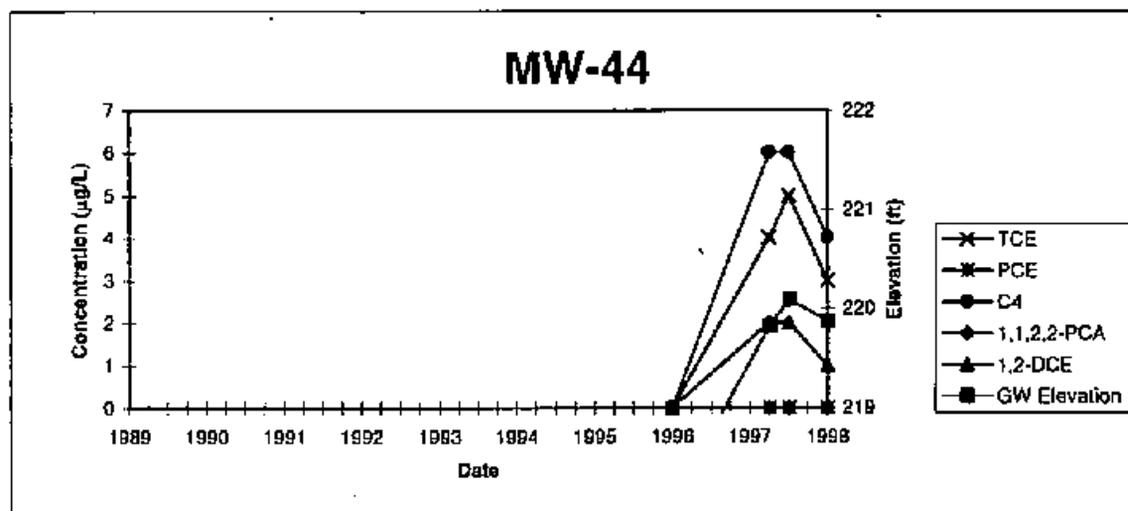
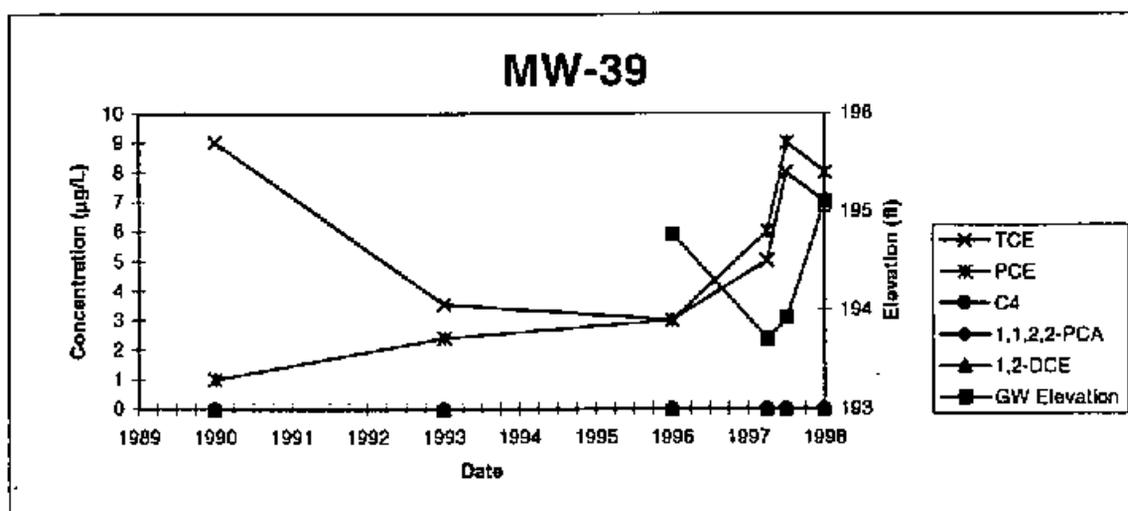
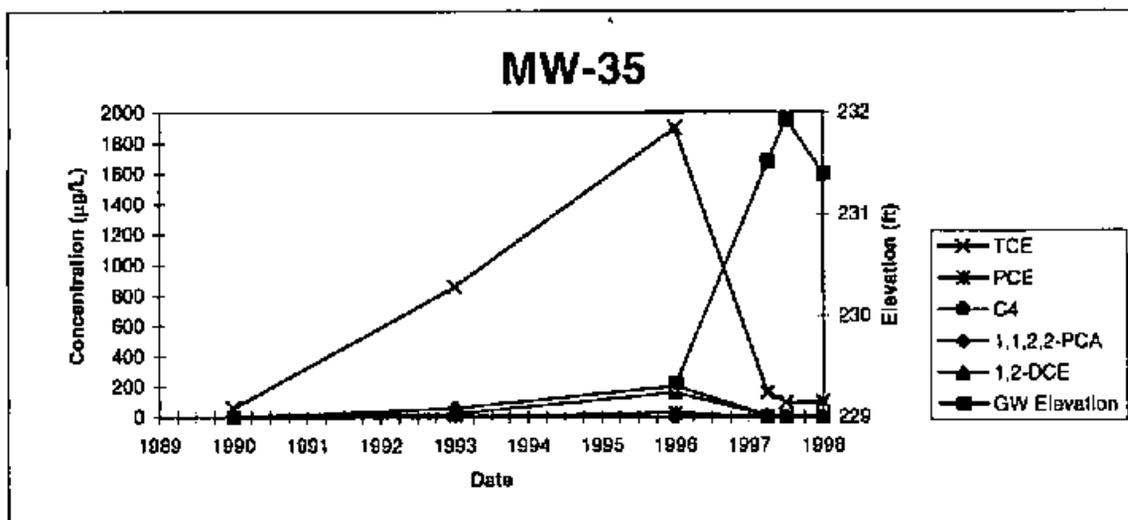


Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations

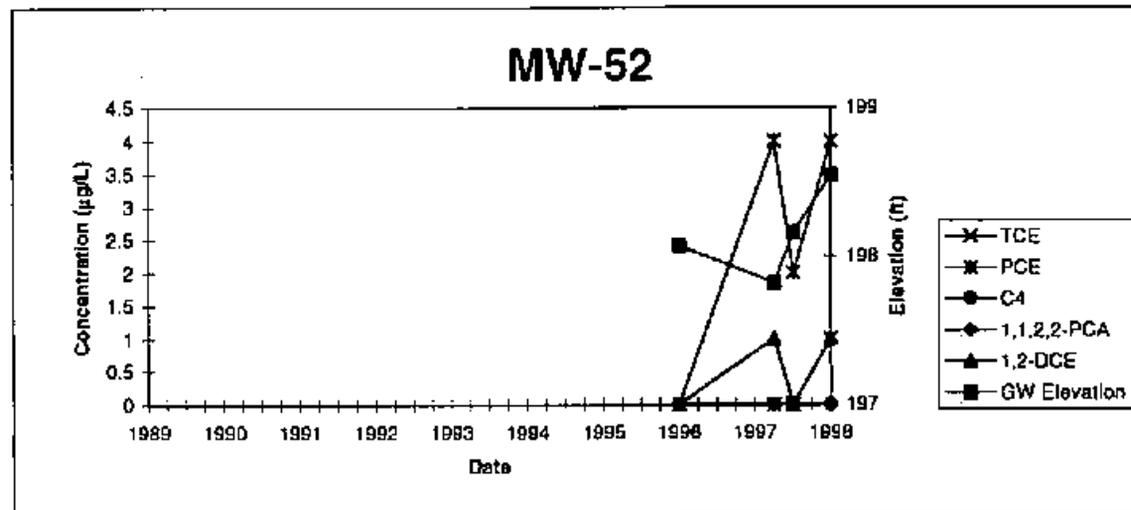
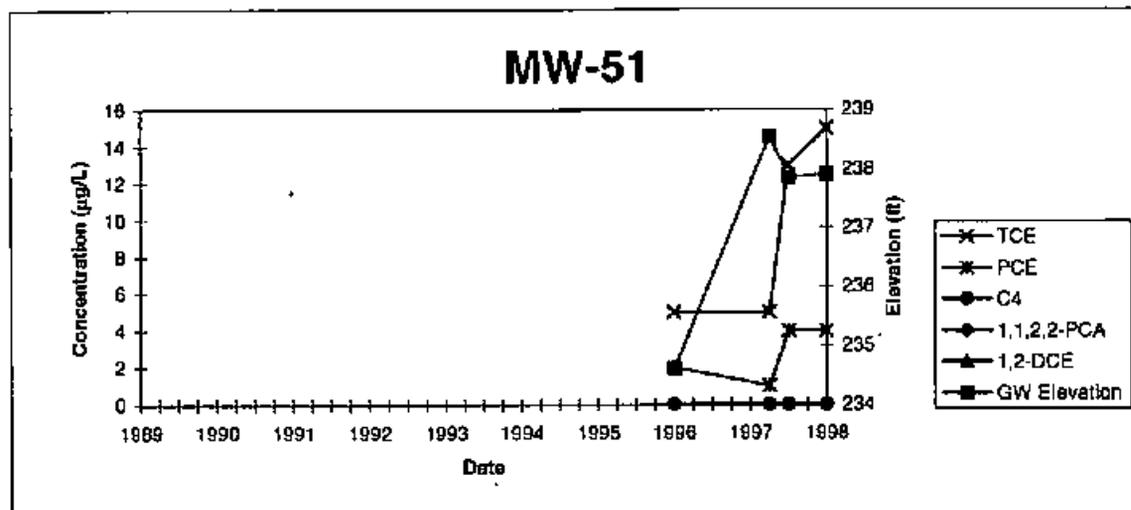
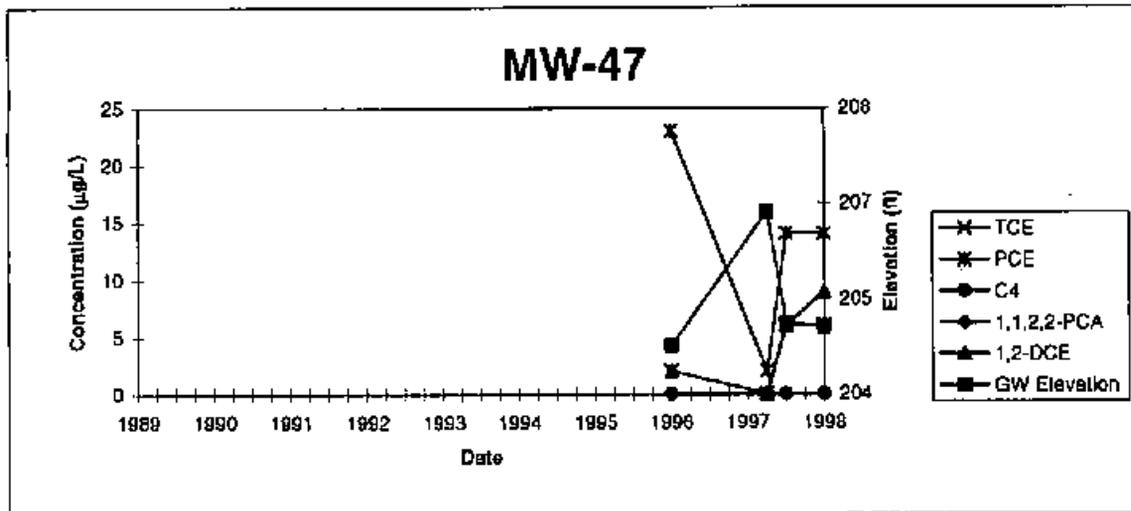
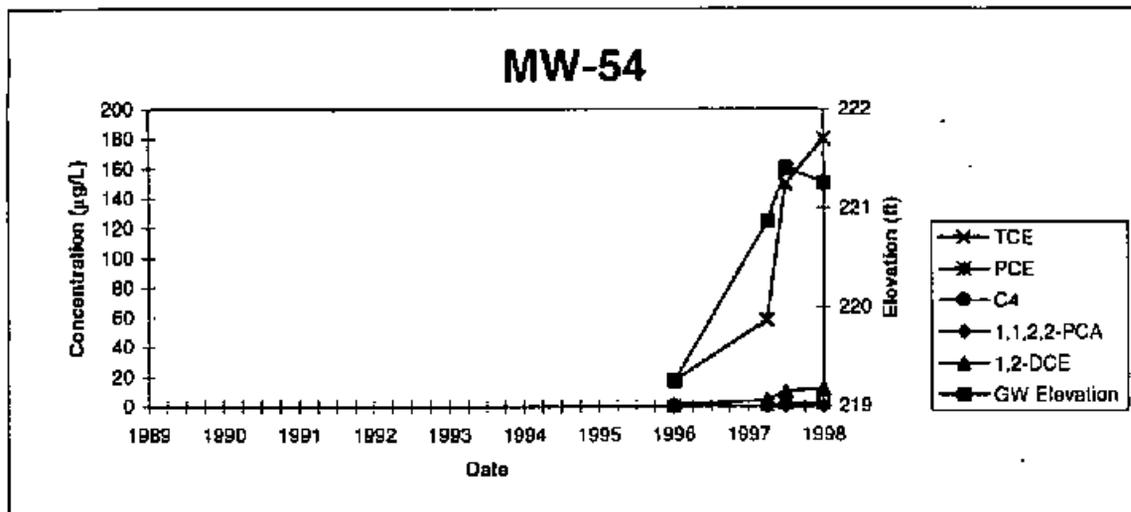
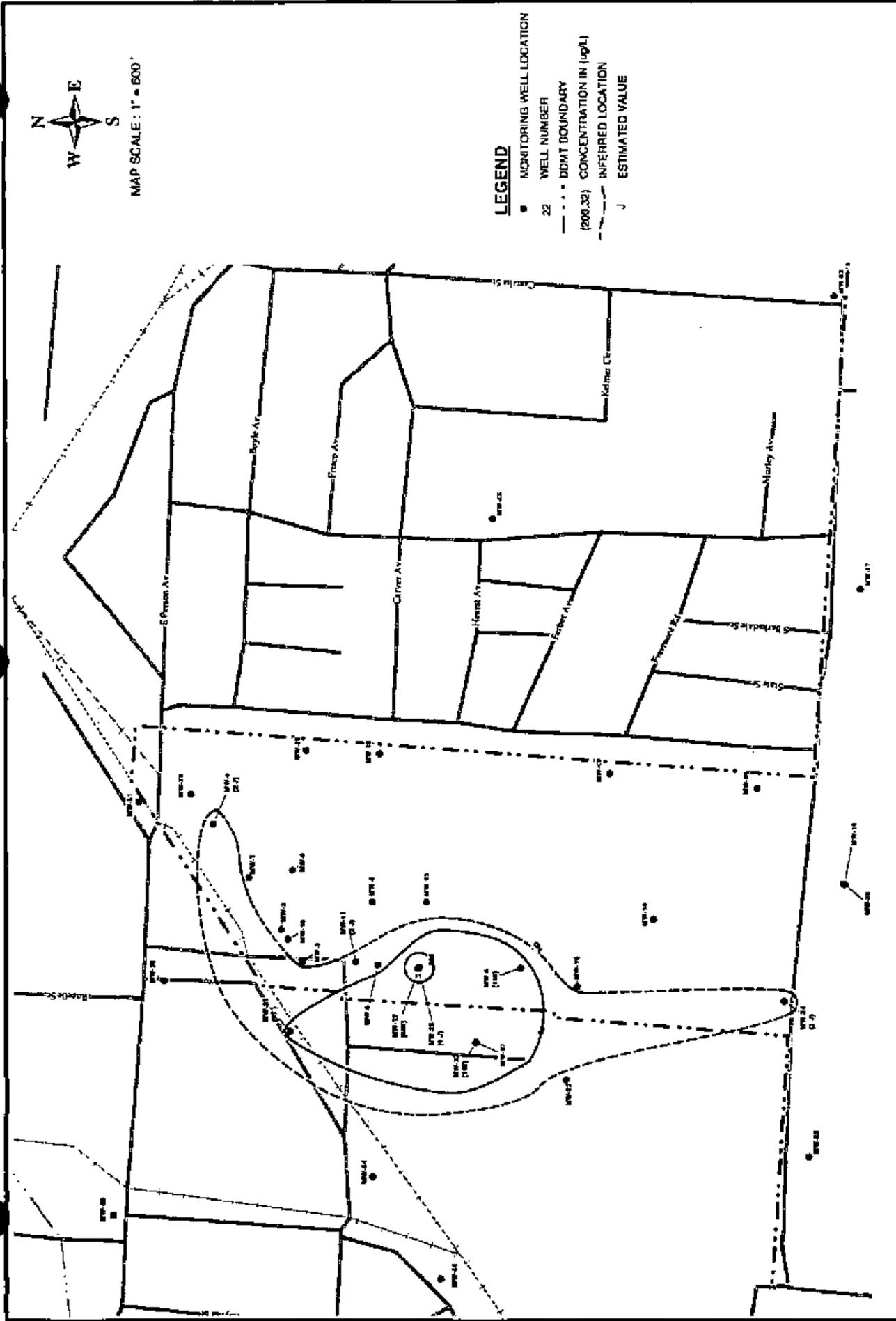


Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations





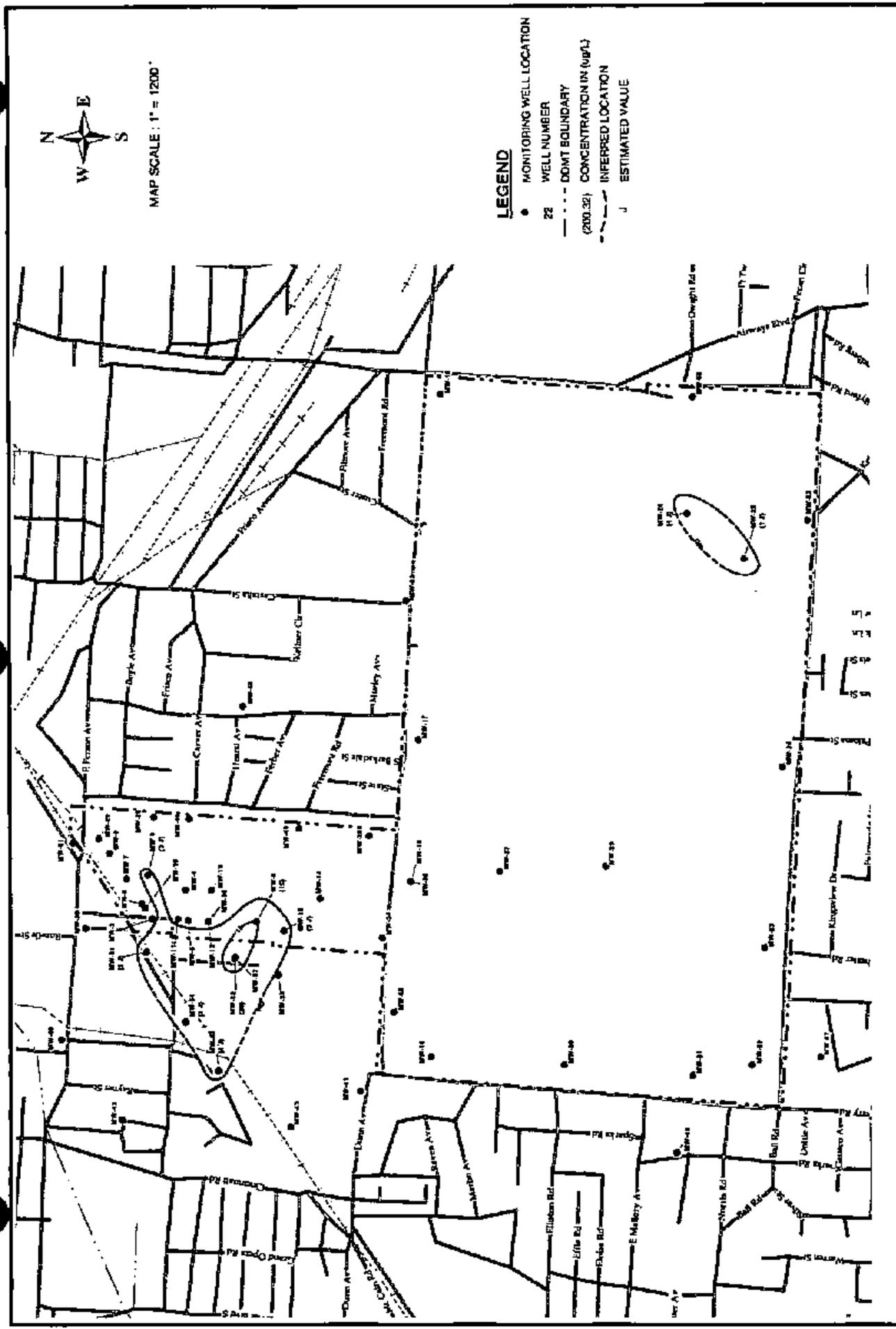


**FIGURE 3-6**  
**1,1,2,2-TETRACHLOROETHANE (1,1,2,2-PCA) CONCENTRATION**  
**IN FLUVIAL AQUIFER - MARCH, 1998**  
*Defense Distribution Depot Memphis, Tennessee*





**FIGURE 3-7**  
**CARBON TETRACHLORIDE (C4) CONCENTRATION**  
**IN FLUVIAL AQUIFER - MARCH, 1988**  
*Defense Distribution Depot Memphis, Tennessee*

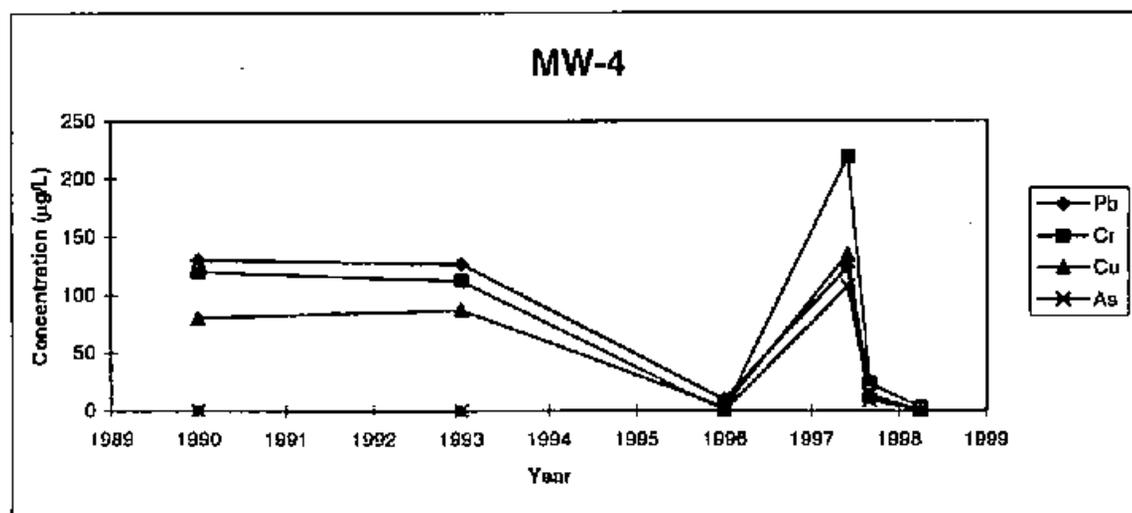
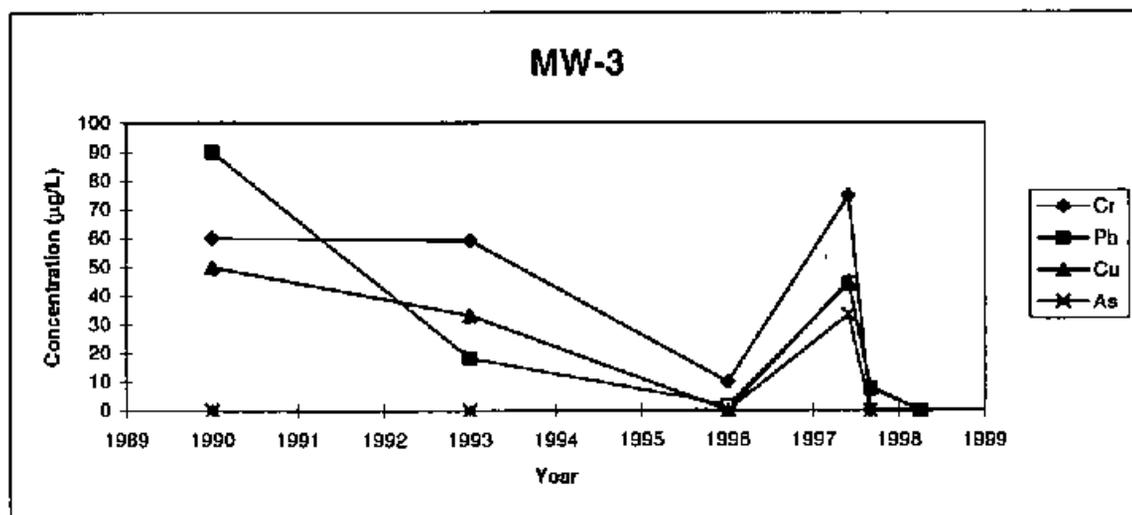
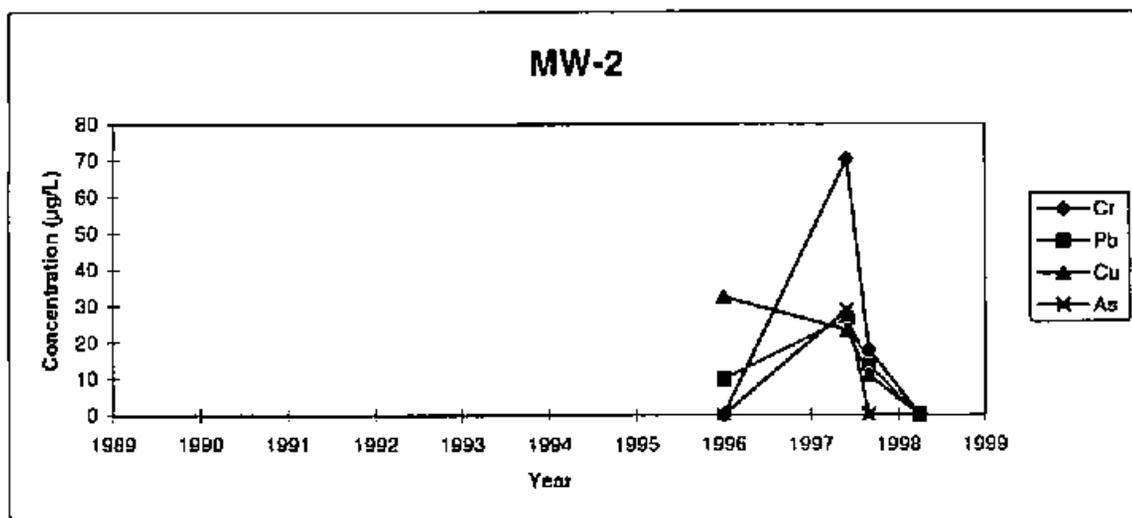




**FIGURE 3-8**  
**DISTRIBUTION OF BERYLLIUM IN**  
**FLUVIAL AQUIFER WELLS - MARCH, 1998**  
*Defense Distribution Depot Memphis, Tennessee*



Figure 3.9 Temporal Trends in Metals Concentrations



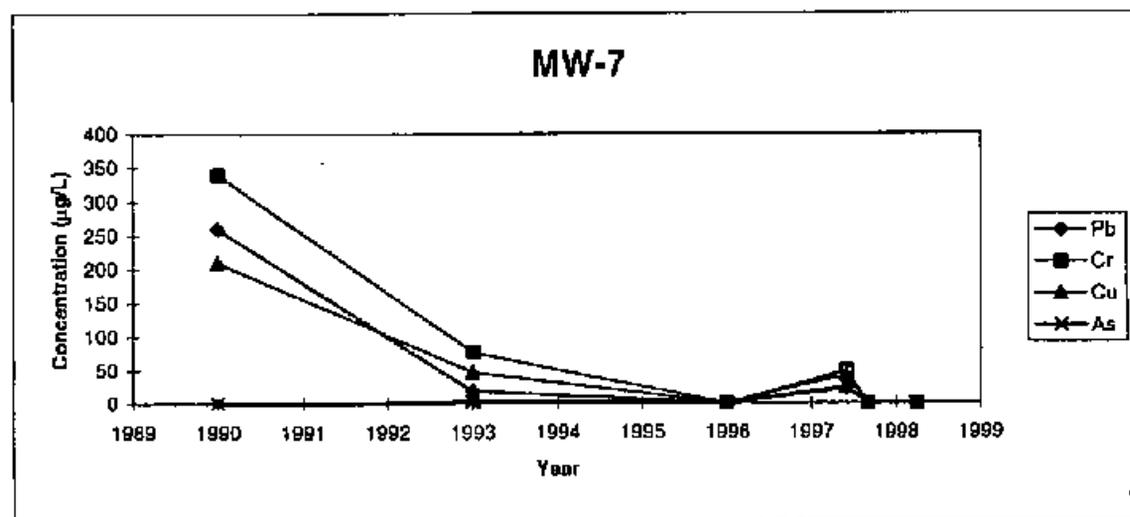
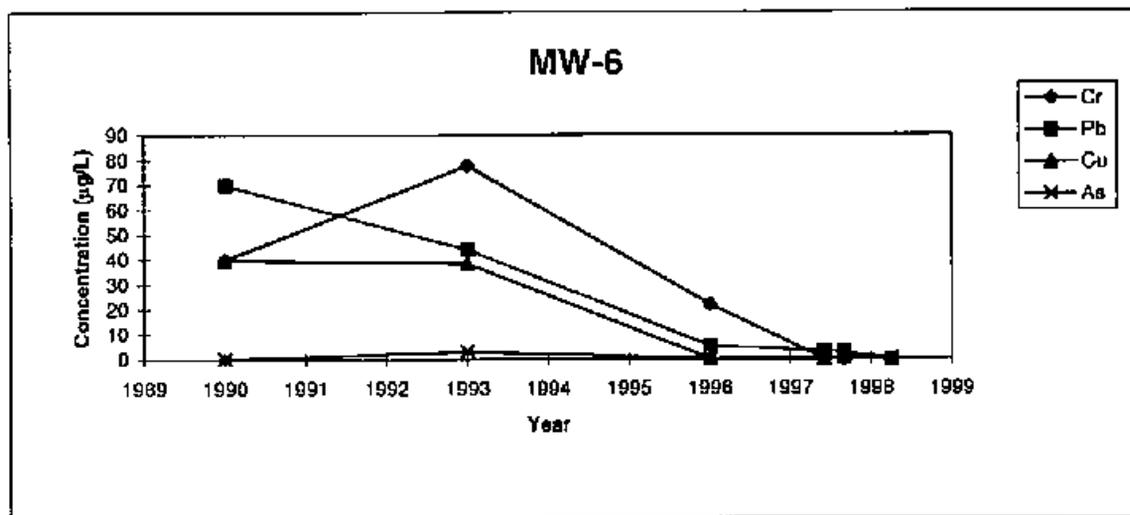
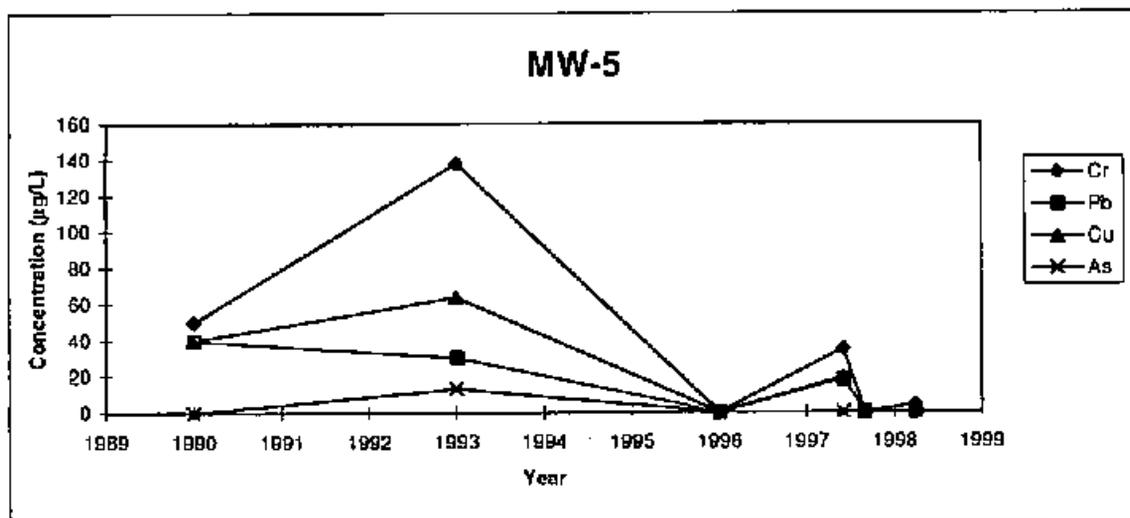


Figure 3.9 Temporal Trends in Metals Concentrations

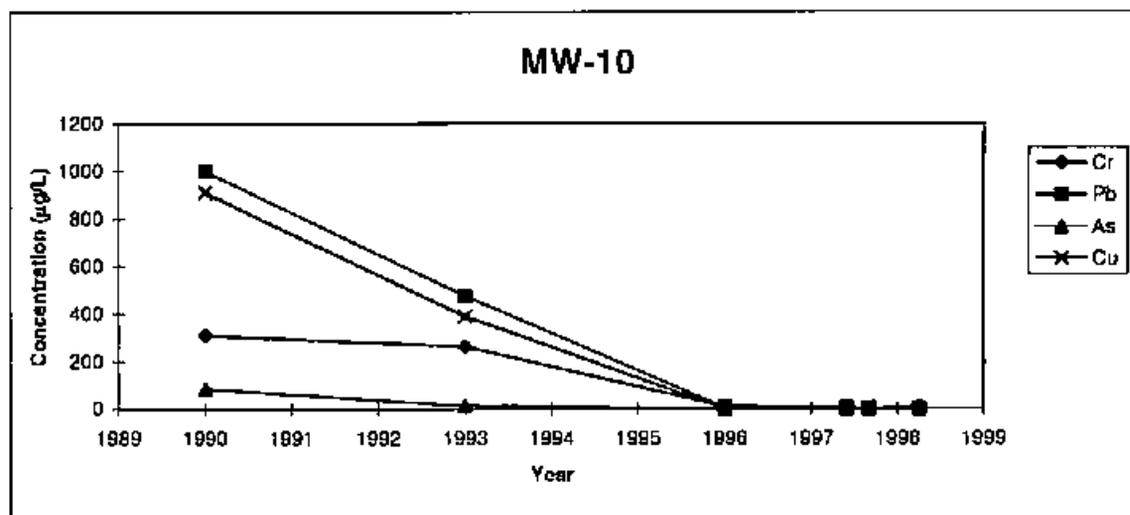
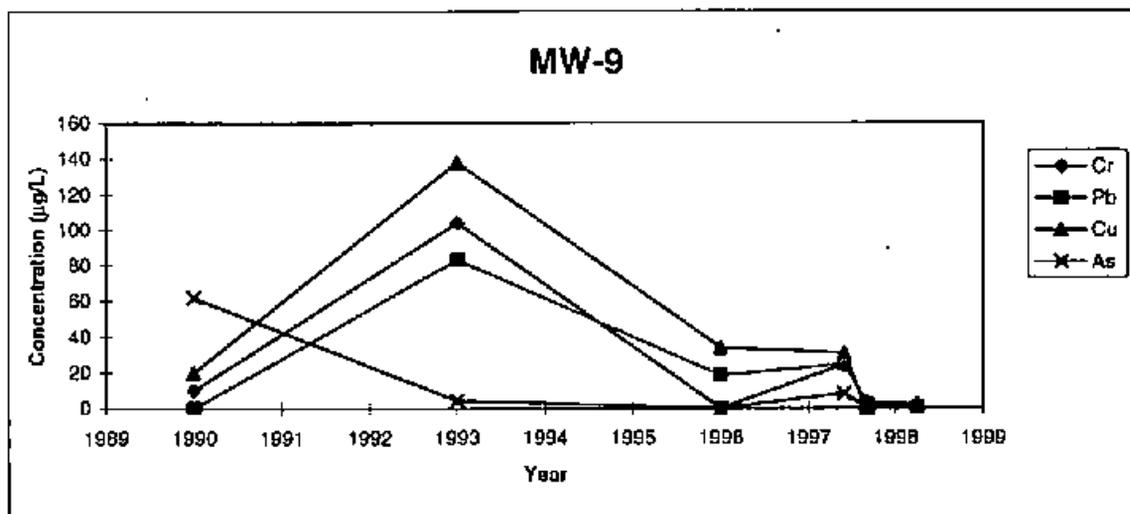
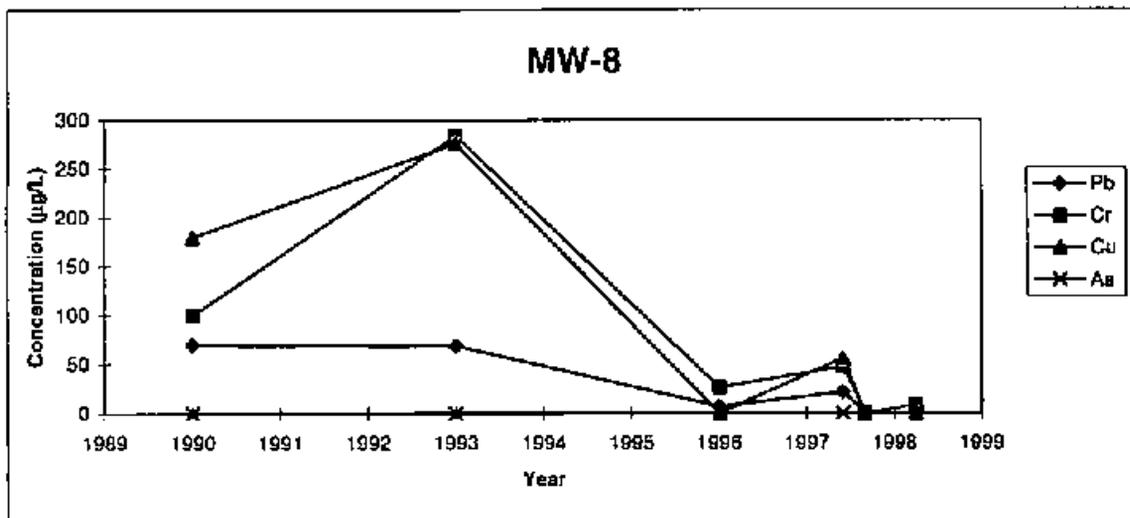


Figure 3.9 Temporal Trends in Metals Concentrations

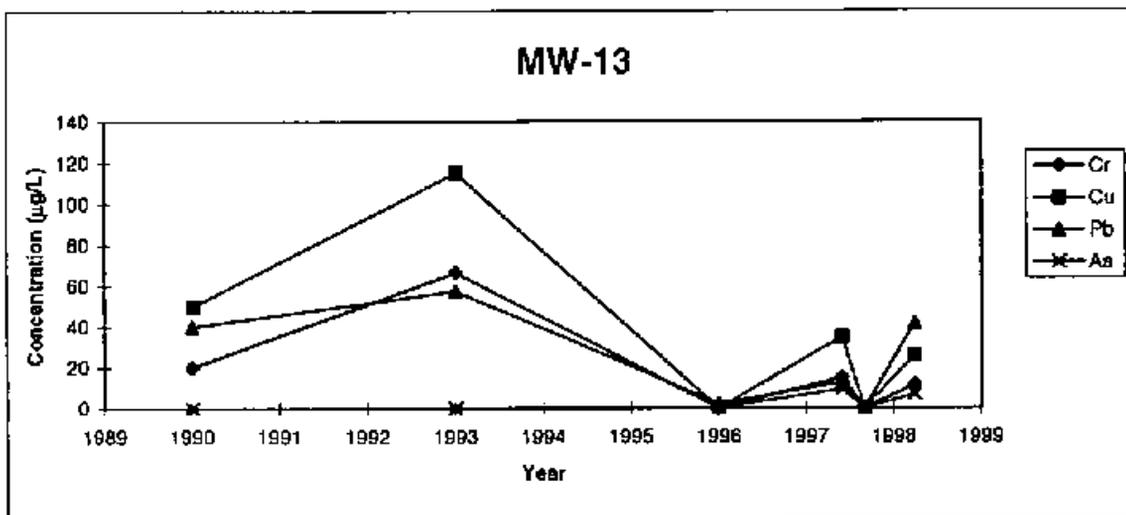
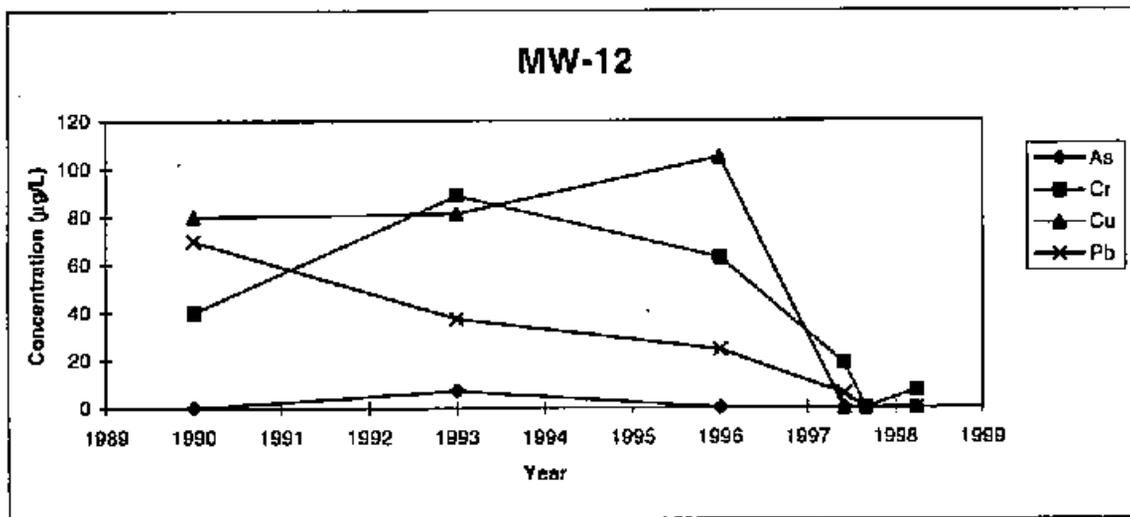
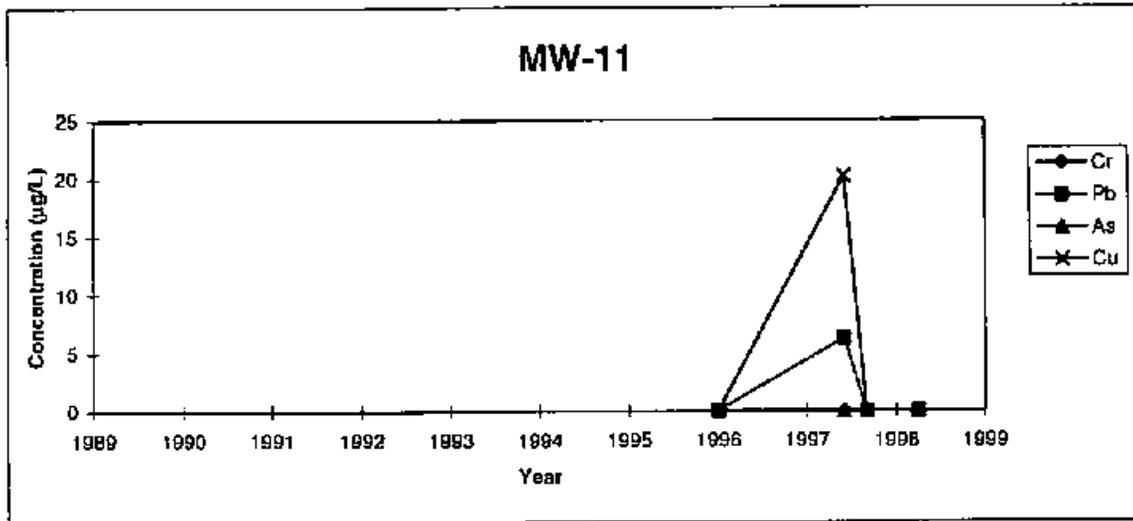
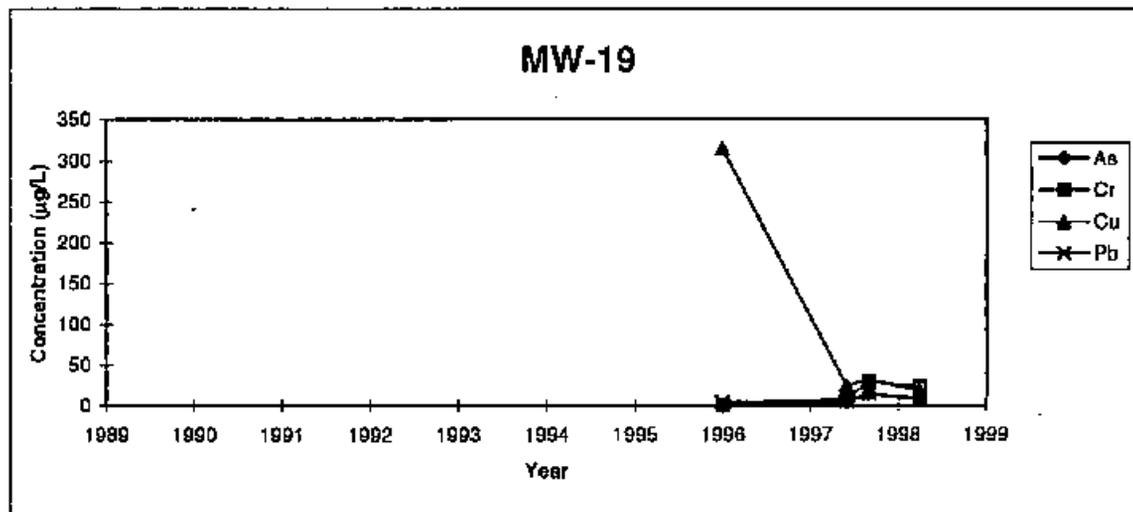
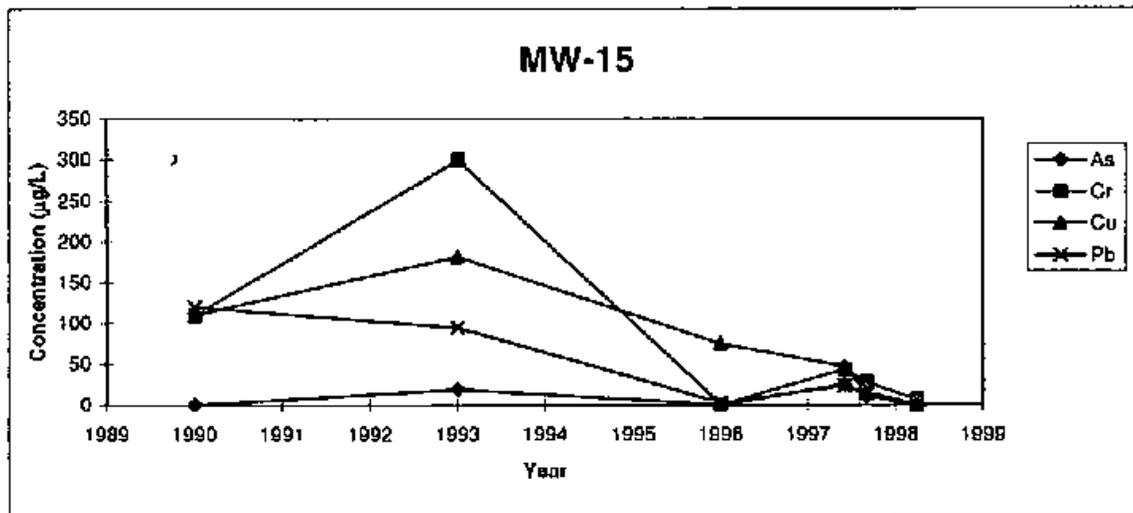
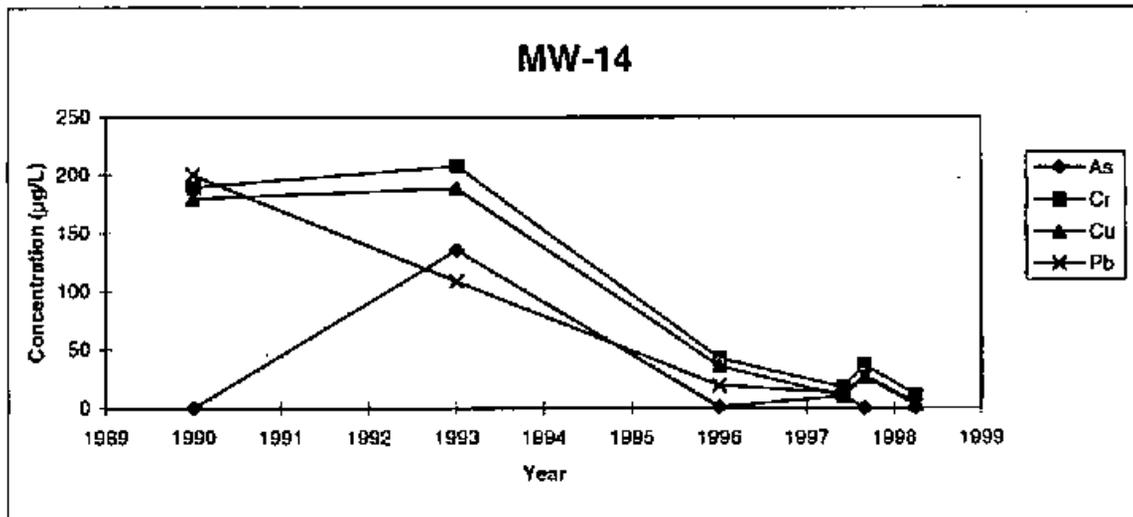
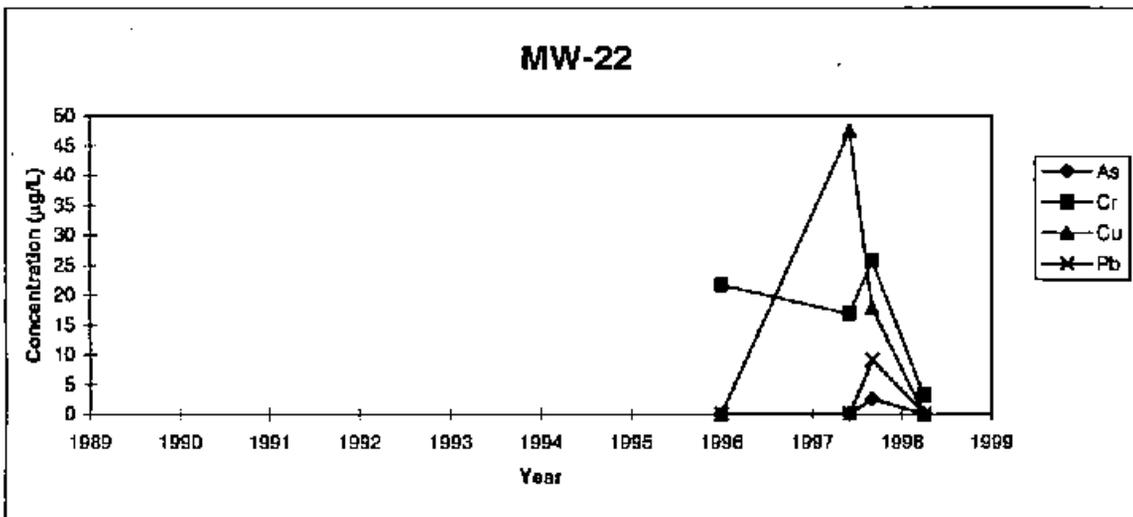
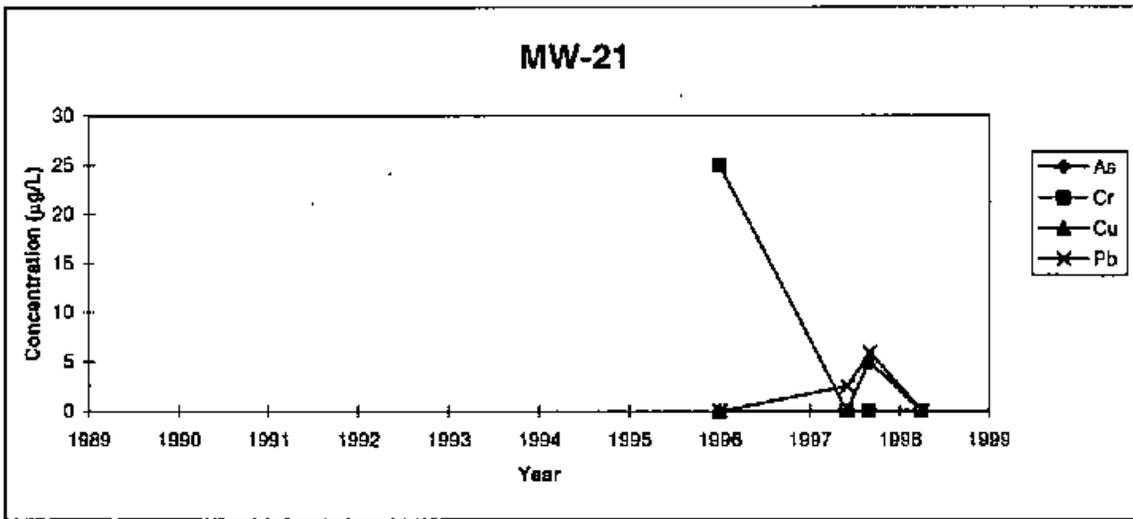
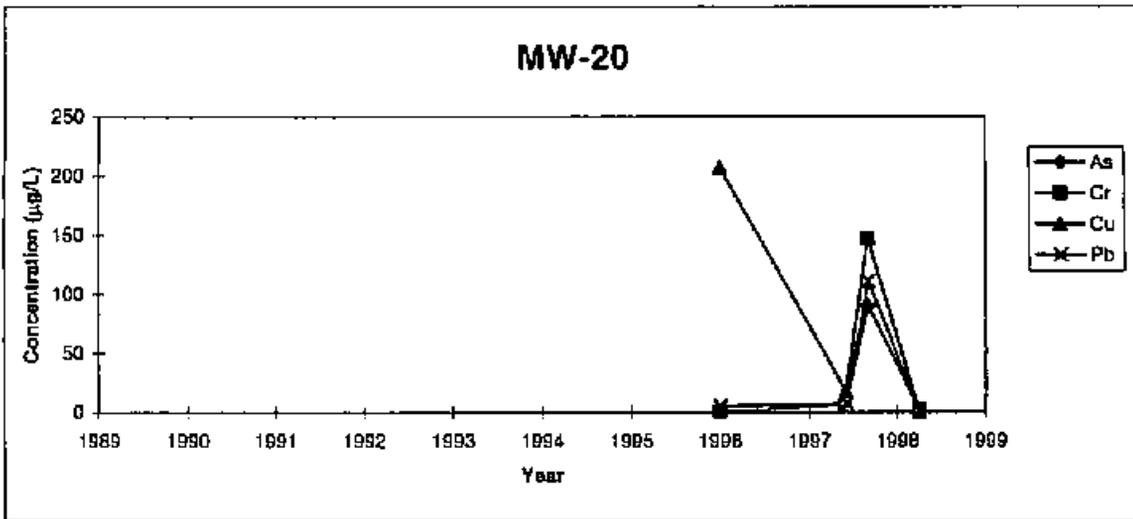
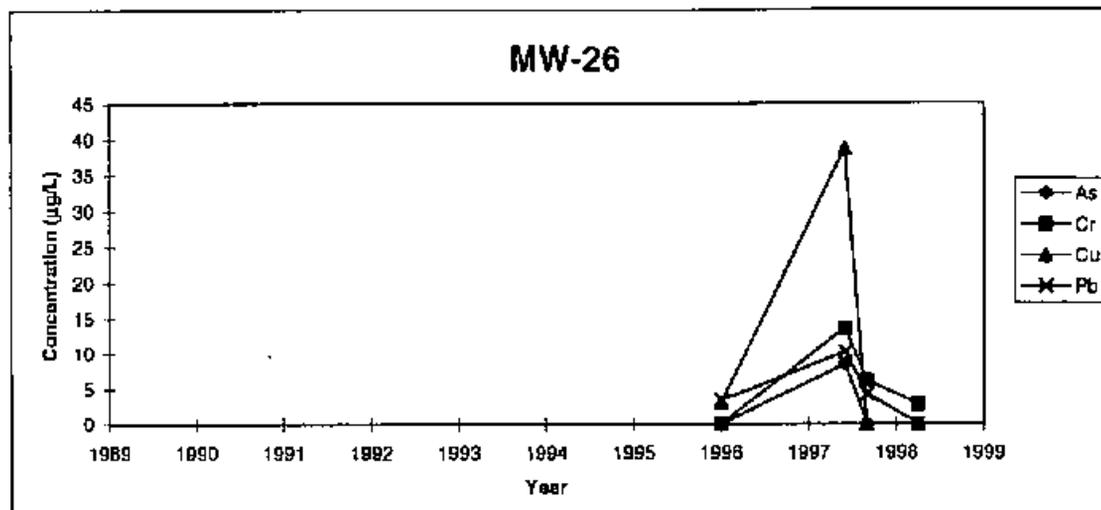
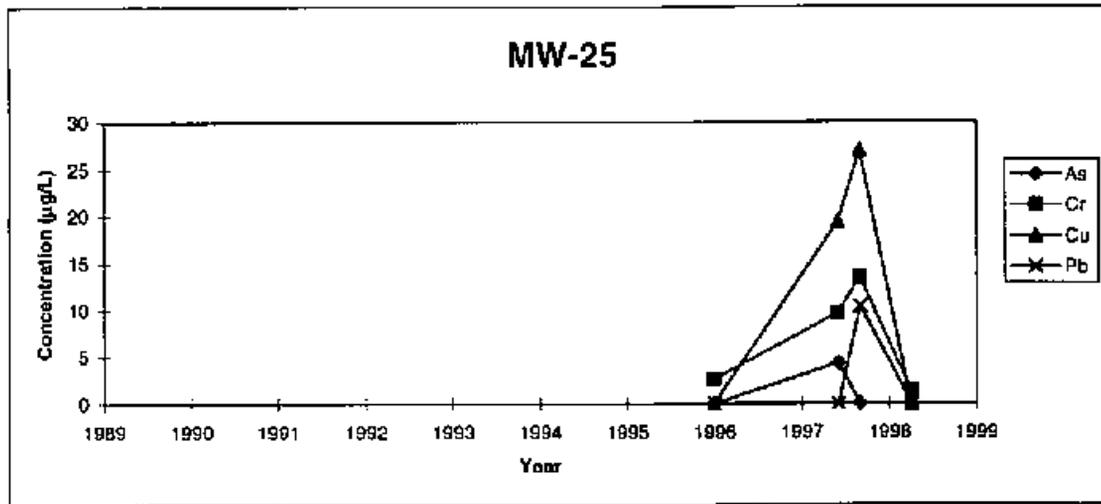
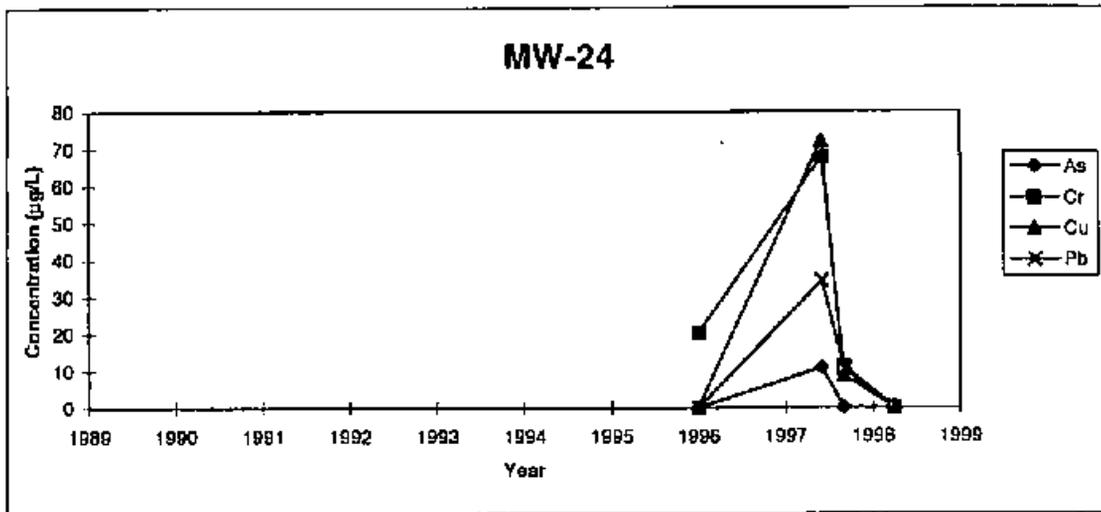
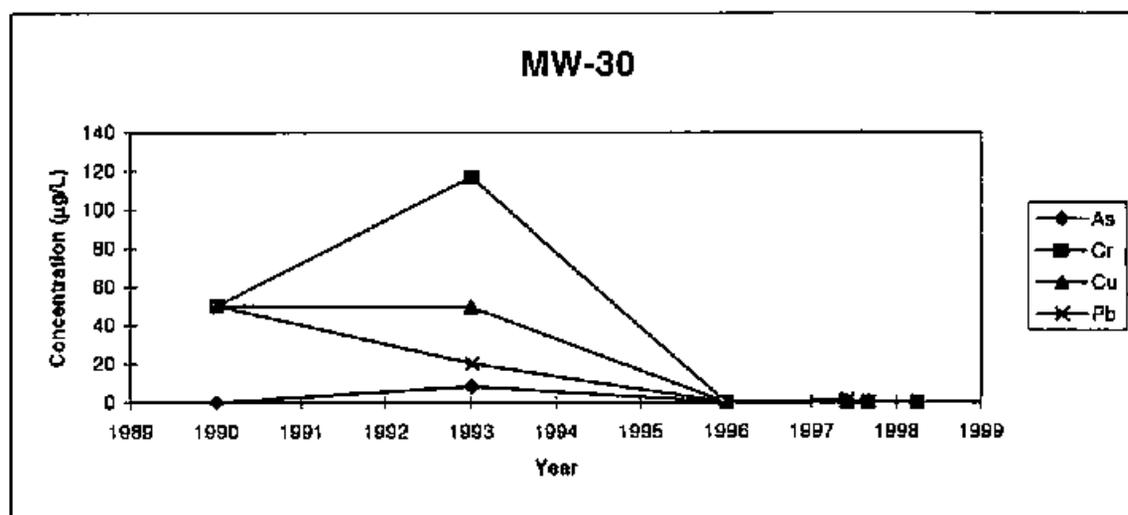
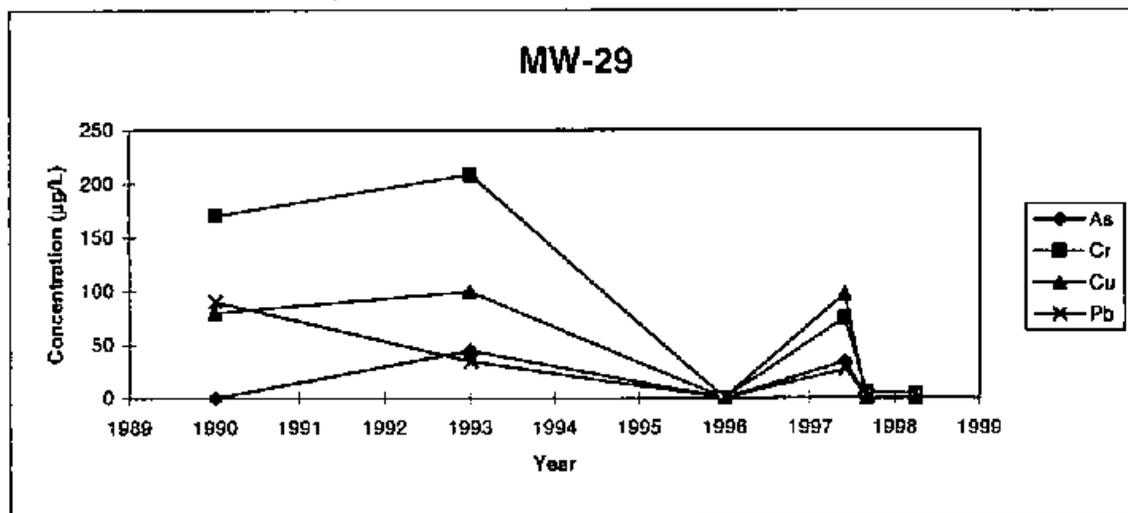
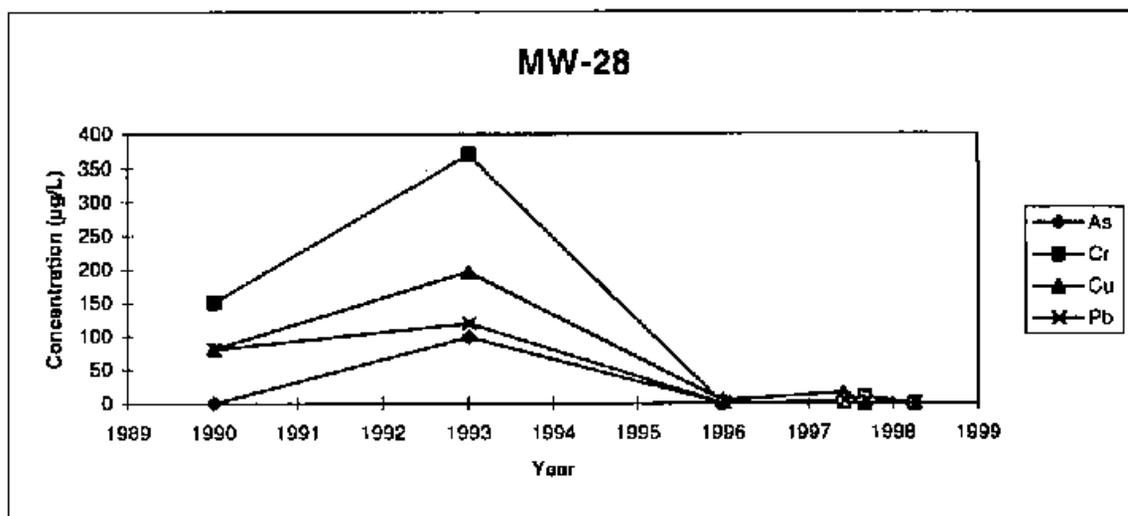


Figure 3.9 Temporal Trends in Metals Concentrations









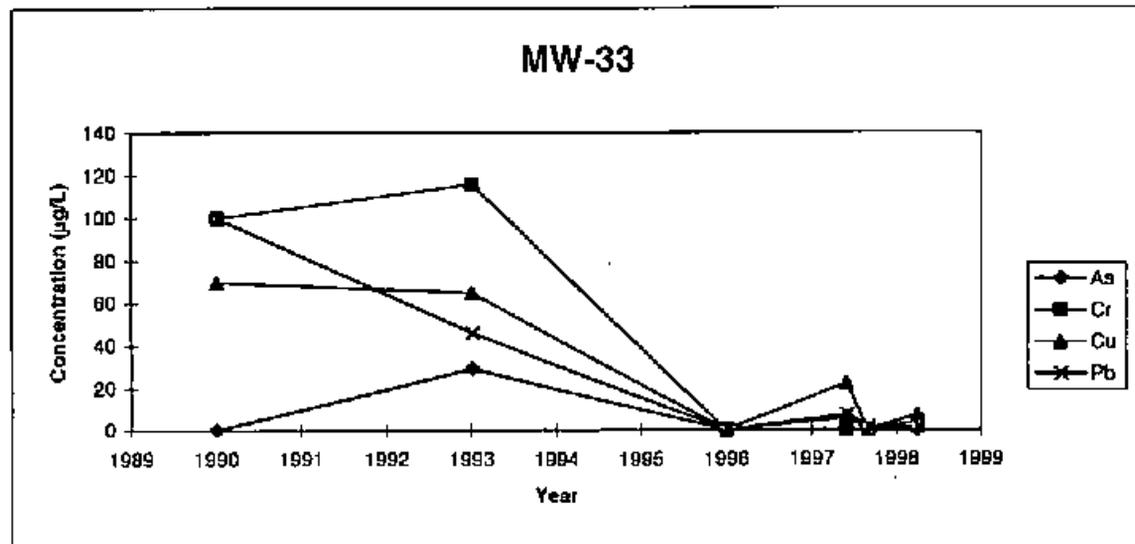
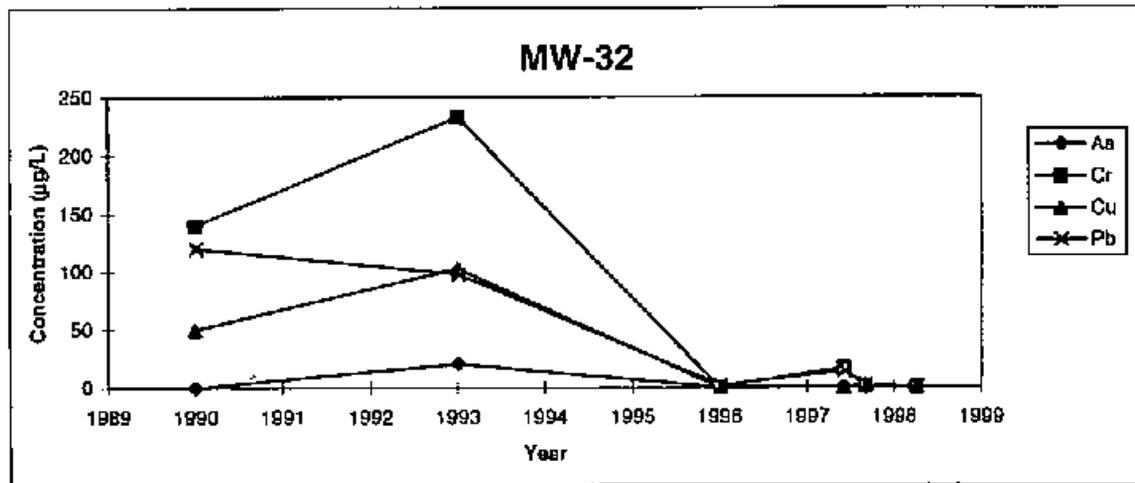
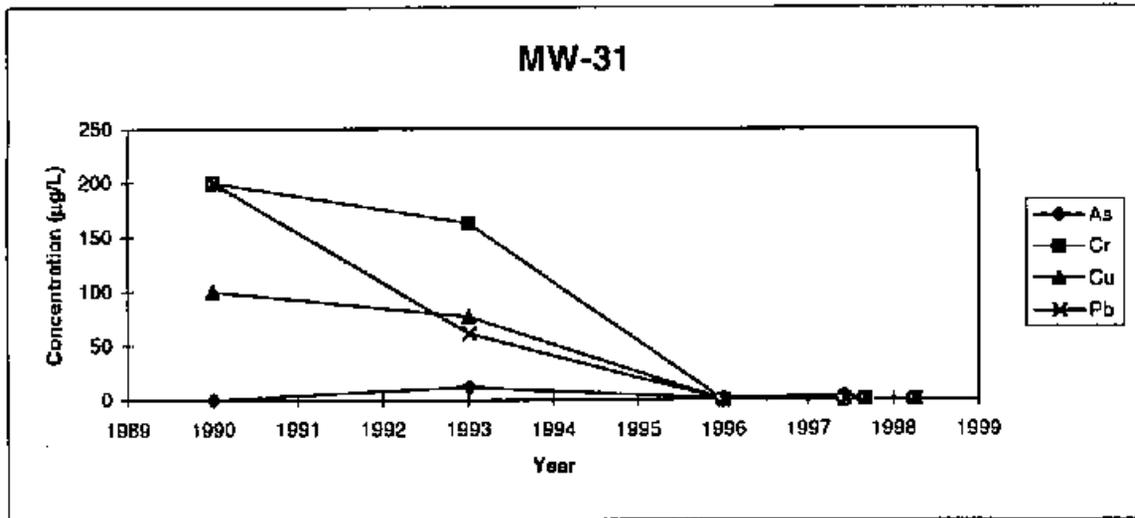


Figure 3.9 Temporal Trends in Metals Concentrations

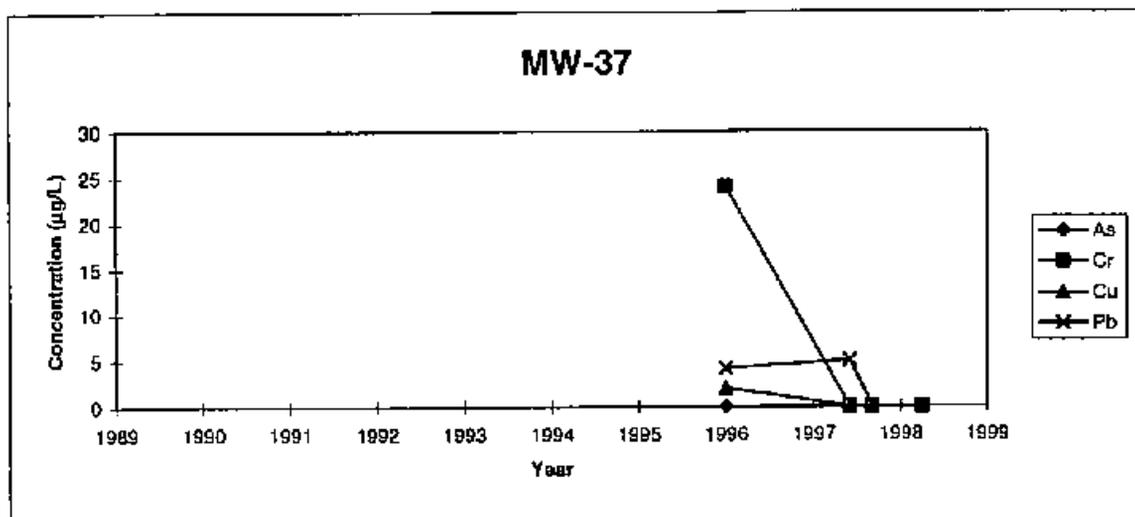
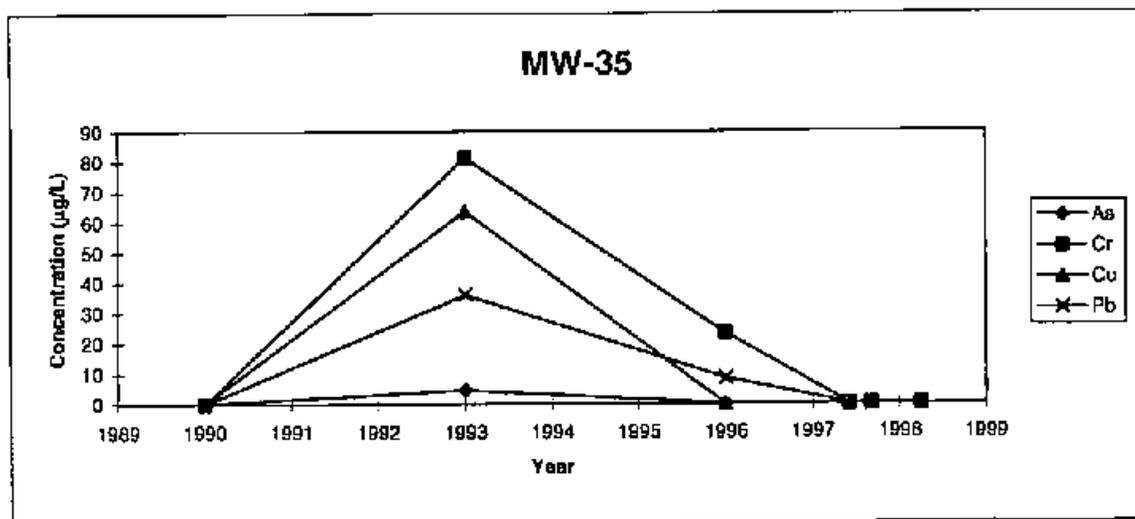
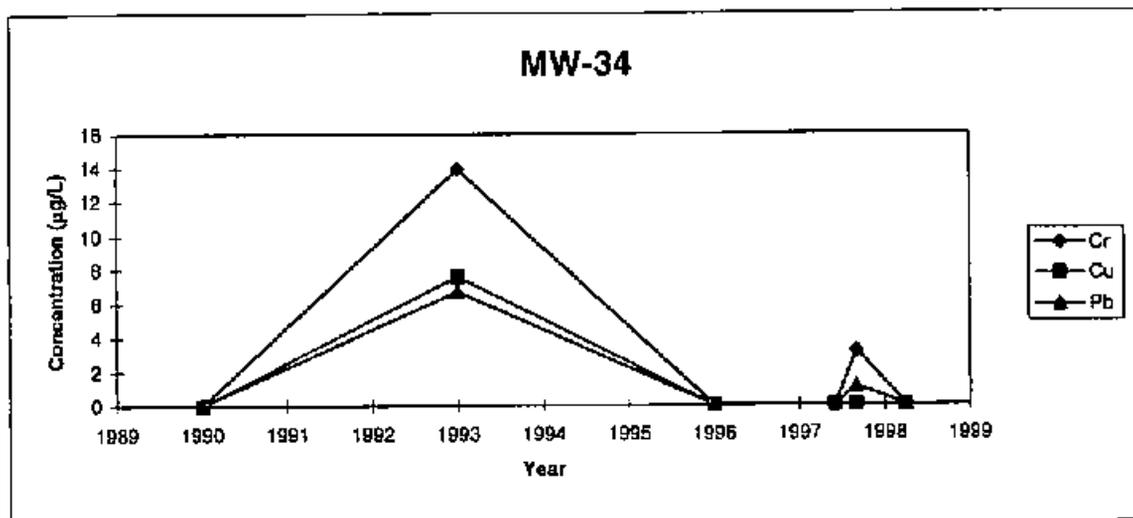


Figure 3.9 Temporal Trends in Metals Concentrations

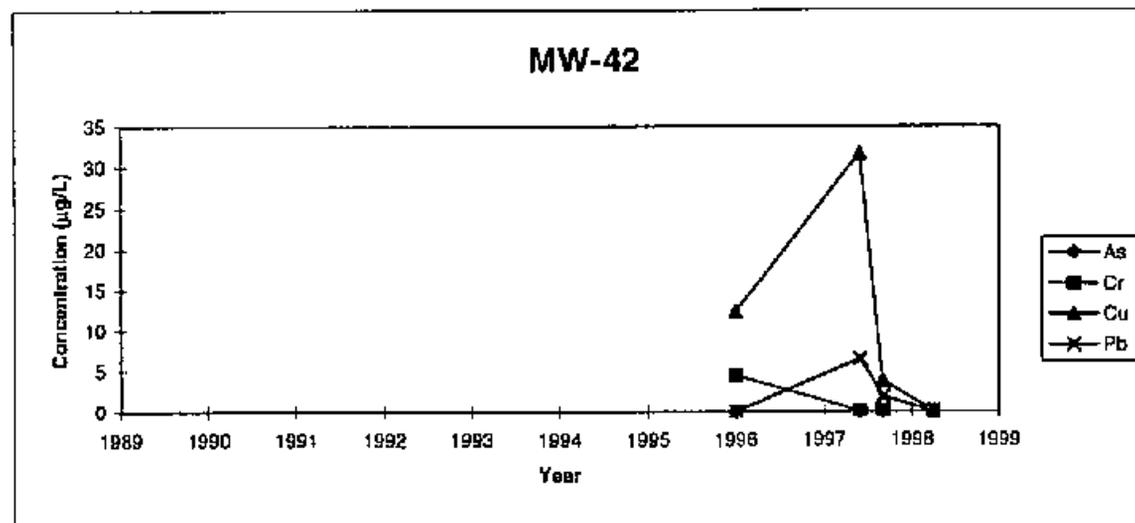
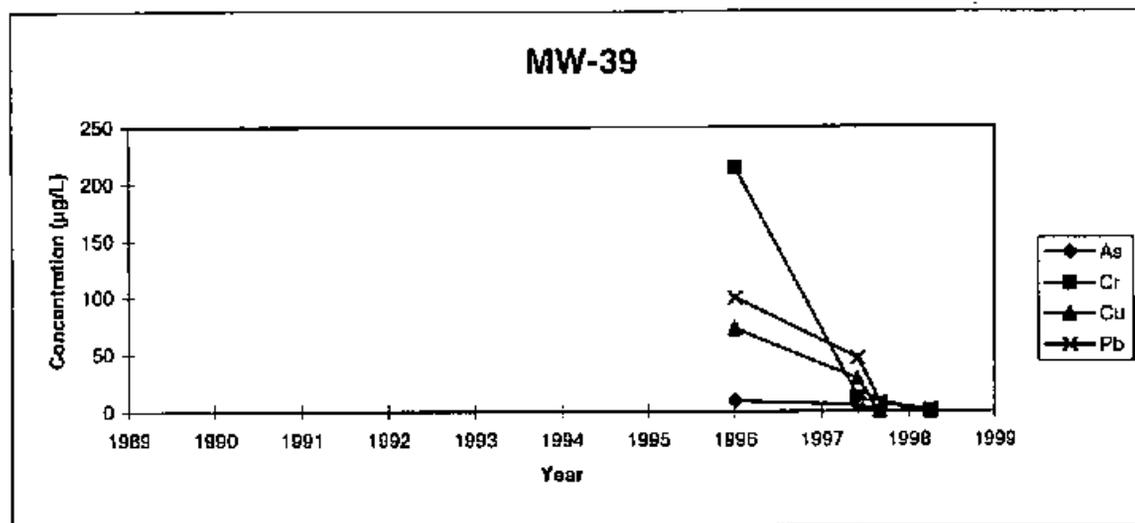
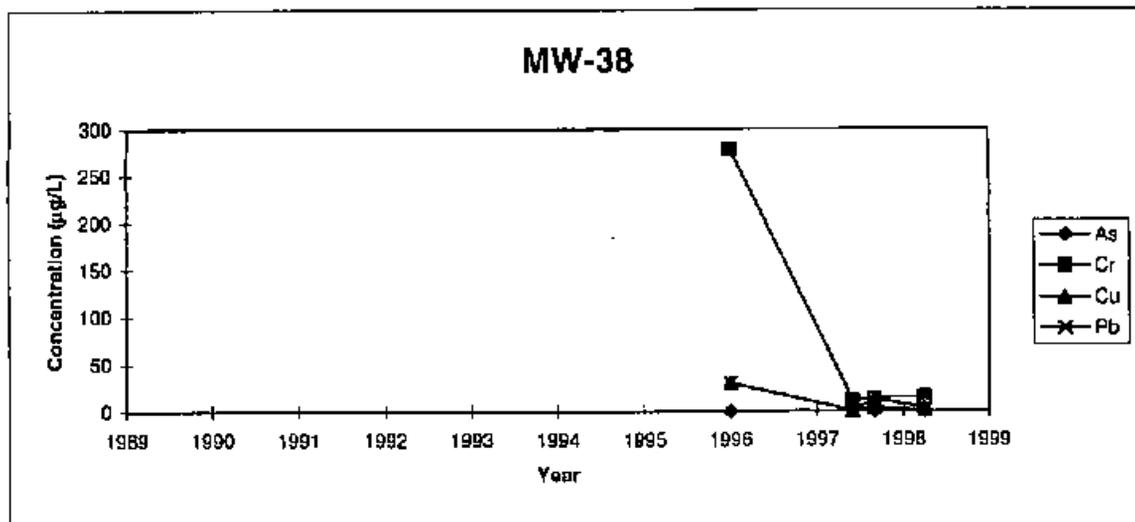
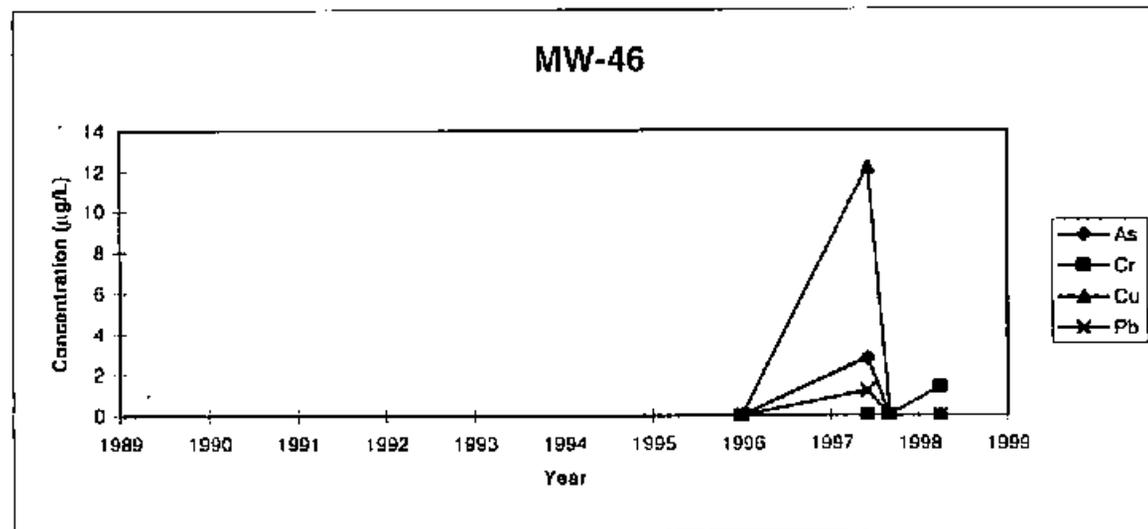
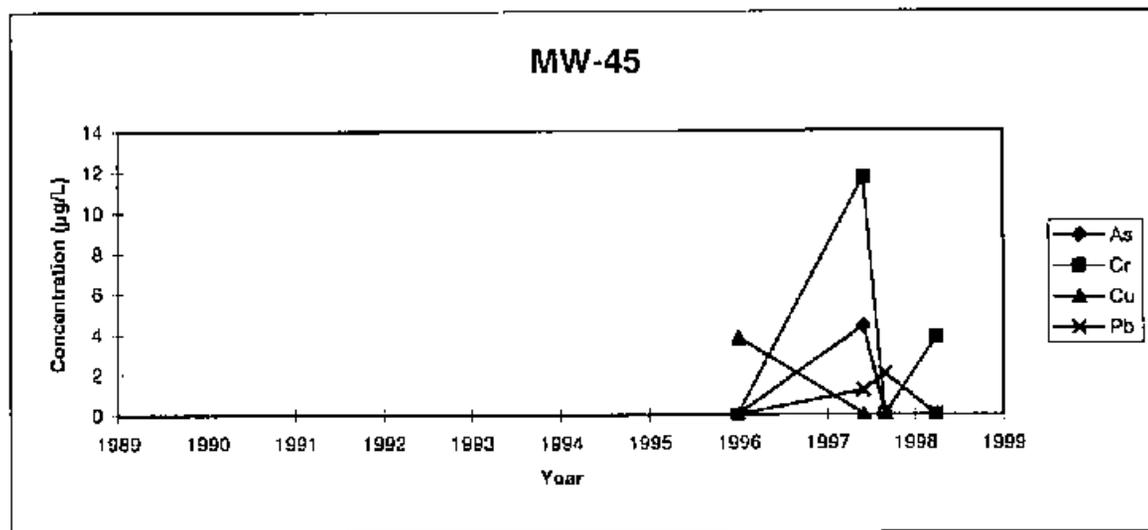
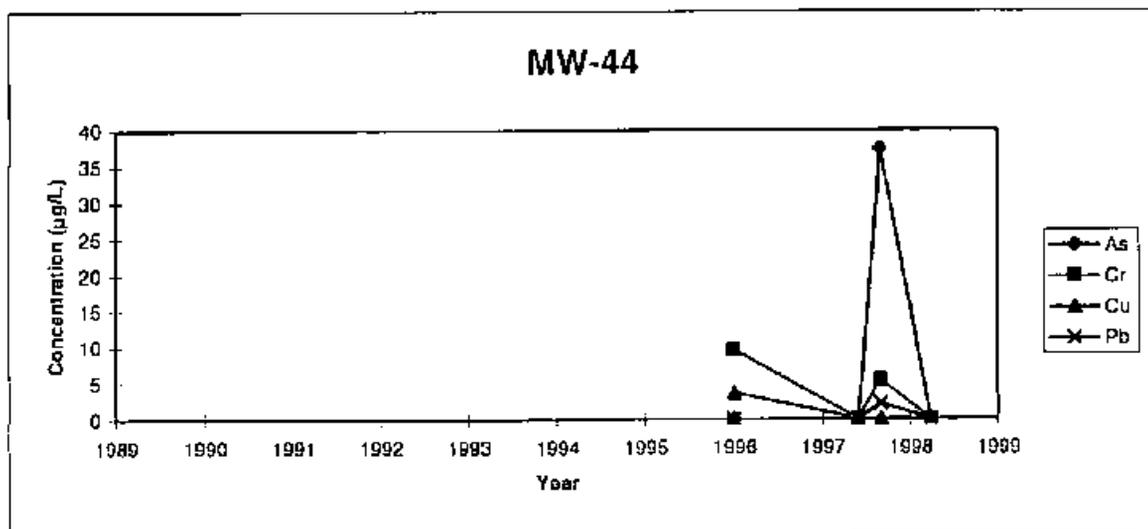
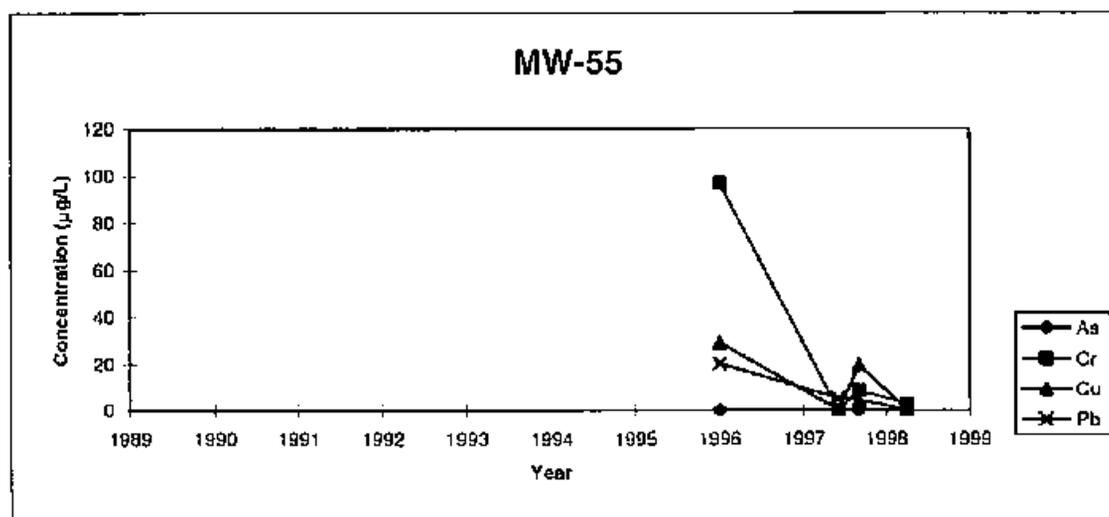
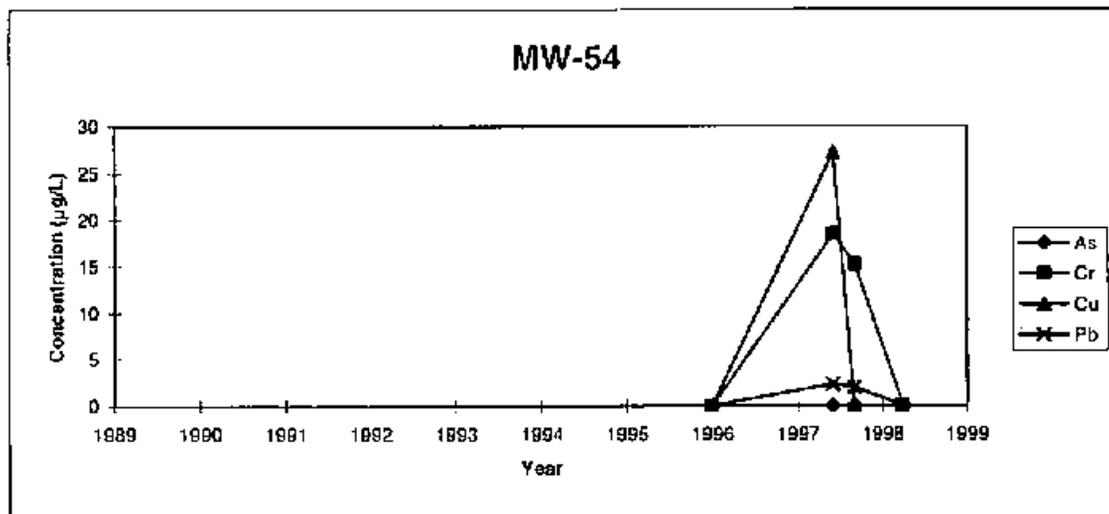
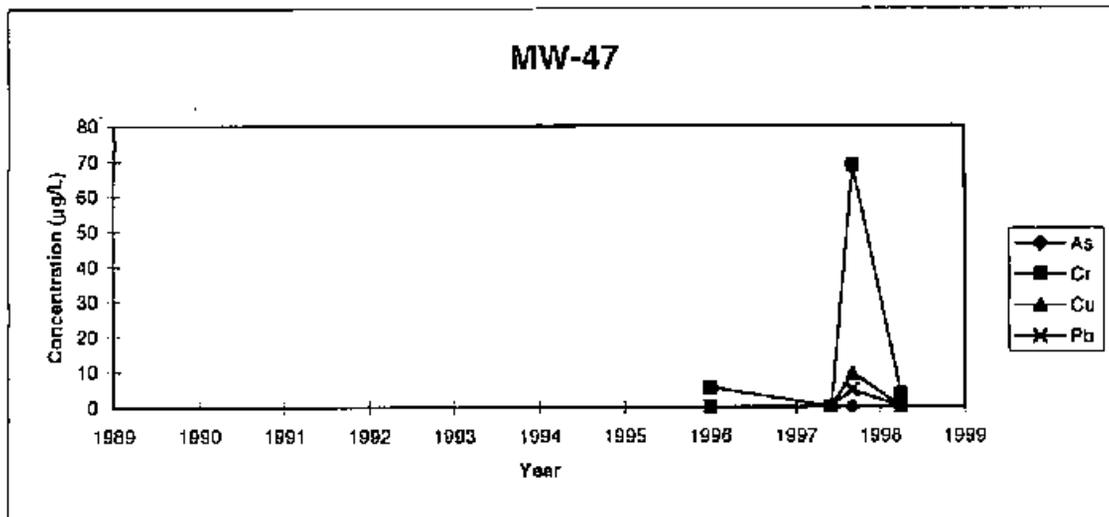


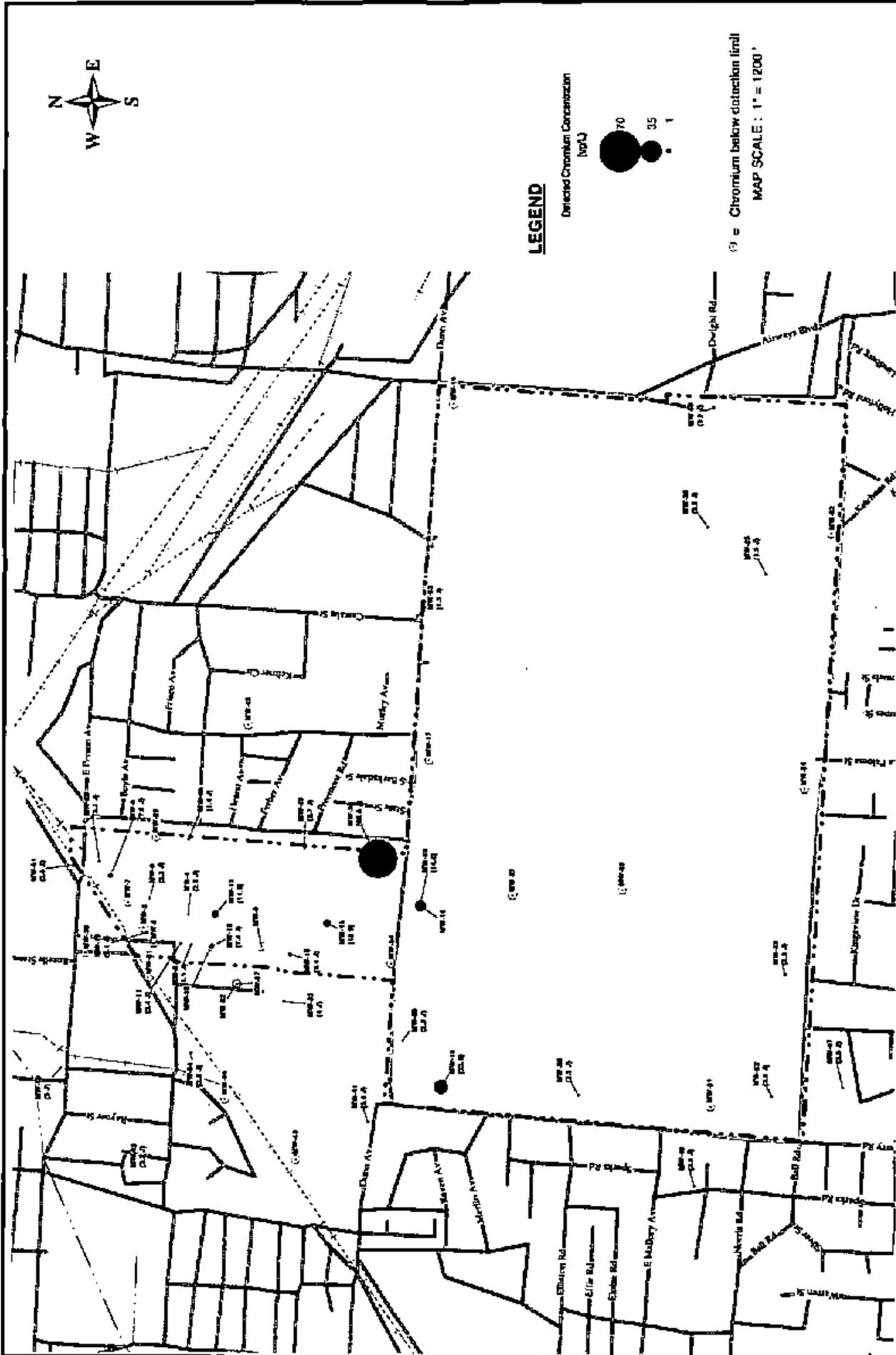
Figure 3.9 Temporal Trends in Metals Concentrations







**FIGURE 3-10**  
**DISTRIBUTION OF CHROMIUM IN**  
**FLUVIAL AQUIFER WELLS - MARCH, 1998**  
*Defense Distribution Depot Memphis, Tennessee*



**FIGURE 3-11** <sup>©</sup>  
**DISTRIBUTION OF COPPER IN**  
**FLUVIAL AQUIFER WELLS - MARCH, 1998**  
*Defense Distribution Depot Memphis, Tennessee*

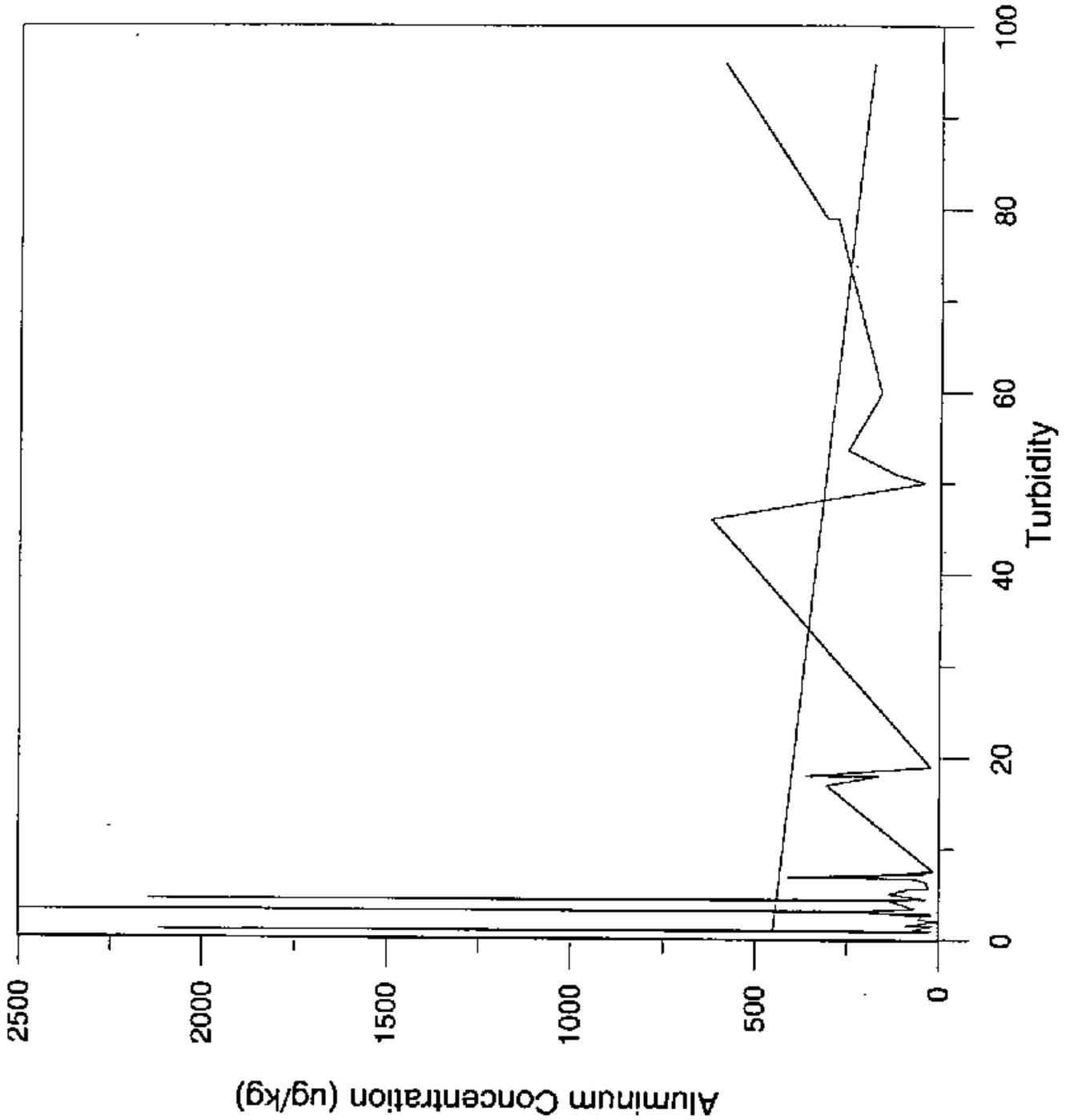


DATE: 03/19/98



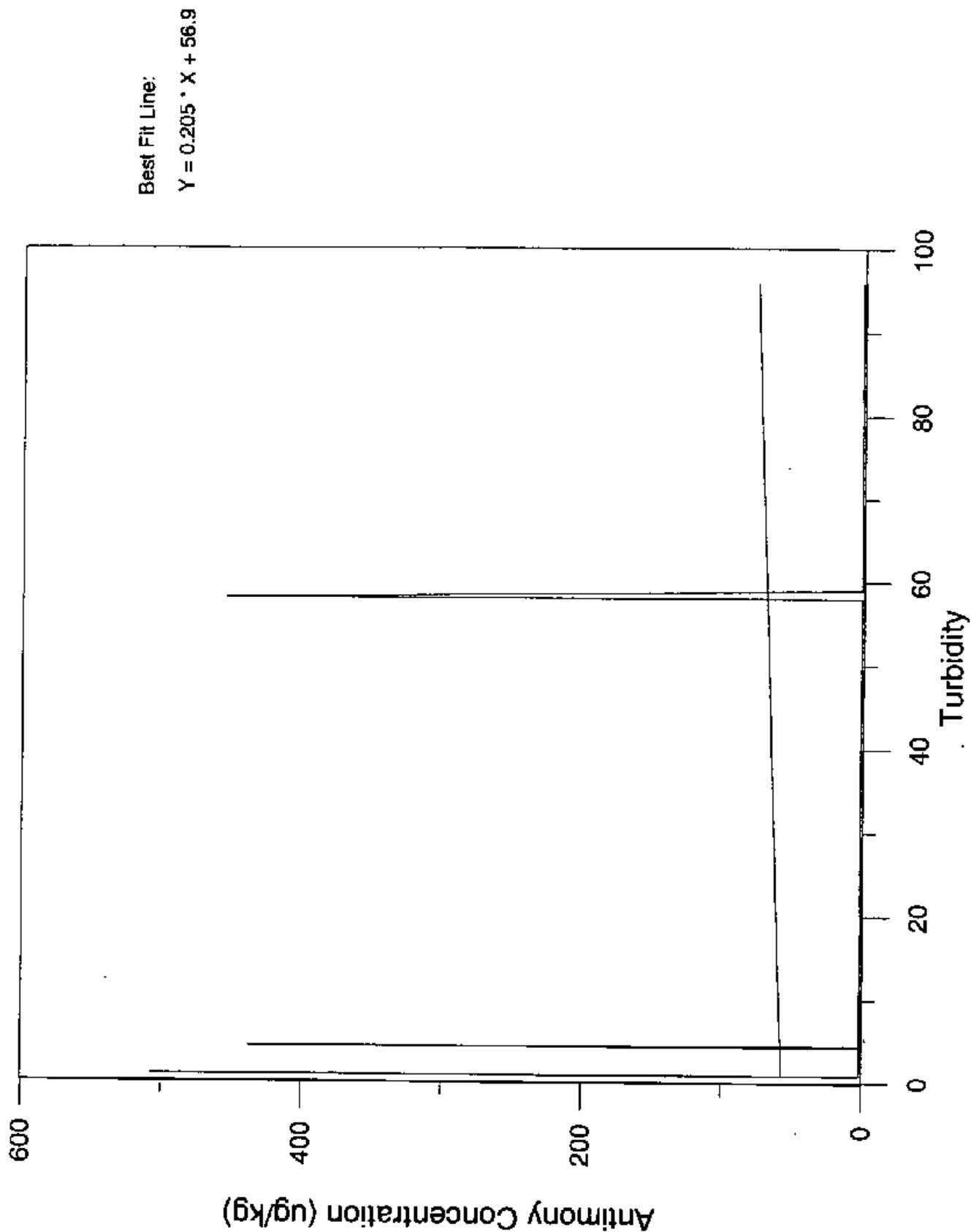


**Figure 3-14A**  
**Aluminum Concentration vs. Turbidity**  
**March 1998 Sampling Event**  
**Defense Distribution Depot-Memphis, Tennessee**

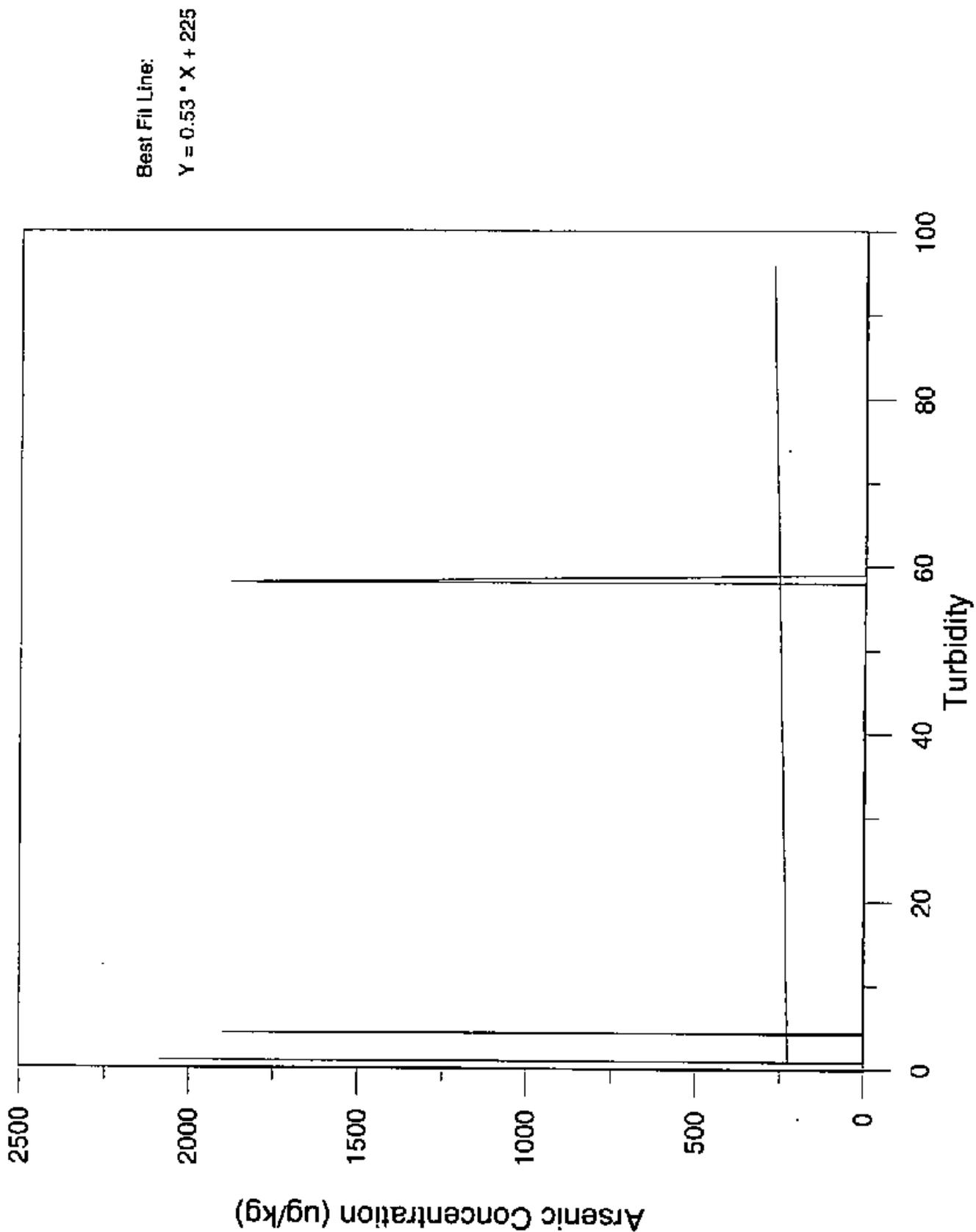


Best Fit Line:  
 $Y = -2.78 * X + 452.$

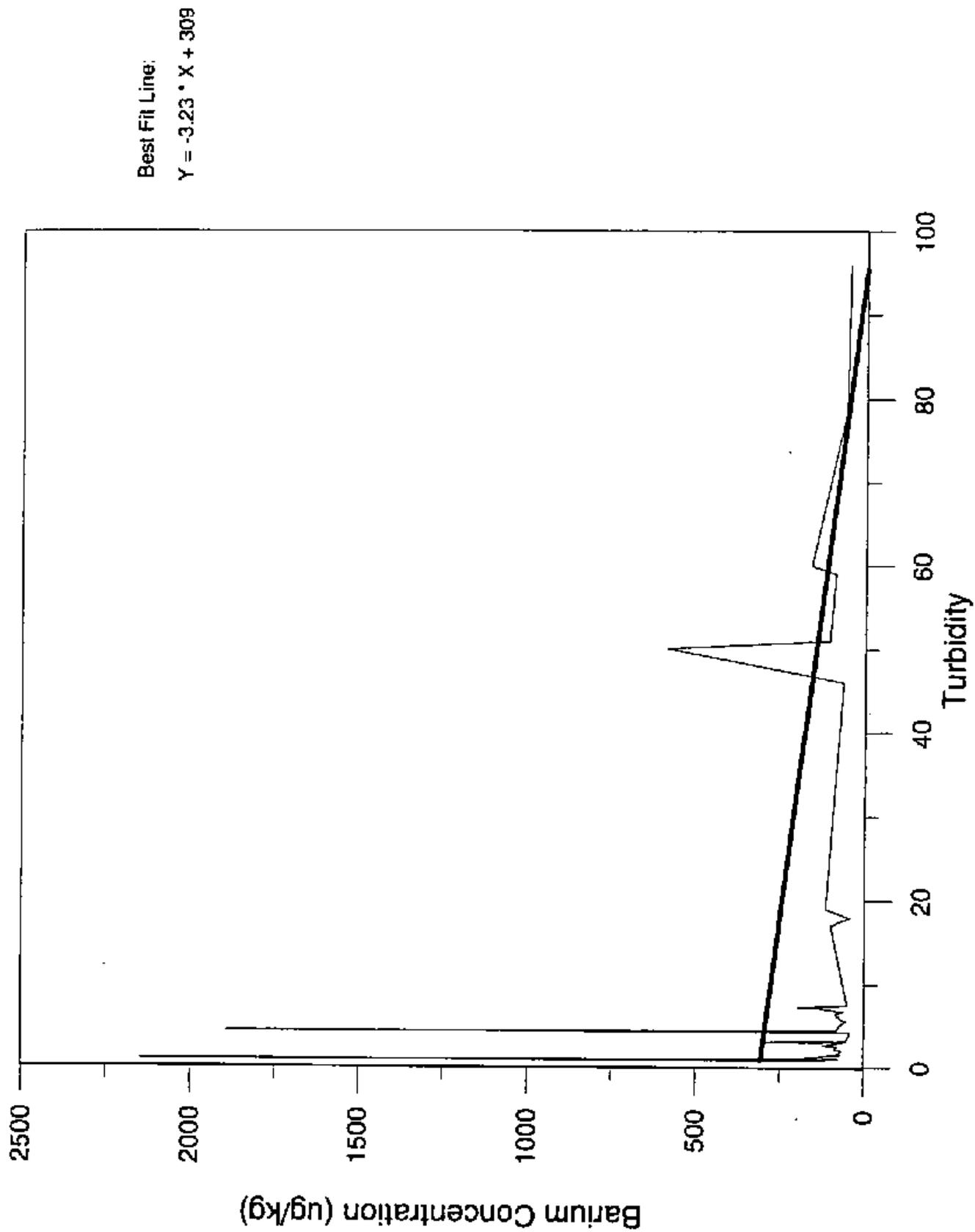
Figure 3-14B  
Antimony Concentration vs. Turbidity  
March 1998 Sampling Event  
Defense Distribution Depot-Memphis, Tennessee



**Figure 3-14C**  
**Arsenic Concentration vs. Turbidity**  
**March 1998 Sampling Event**  
**Defense Distribution Depot-Memphis, Tennessee**



**Figure 3-140**  
**Barium Concentration vs. Turbidity**  
**March 1998 Sampling Event**  
**Defense Distribution Depot-Memphis, Tennessee**



**Figure 3-14E**  
**Beryllium Concentration vs. Turbidity**  
**March 1998 Sampling Event**  
**Defense Distribution Depot-Memphis, Tennessee**

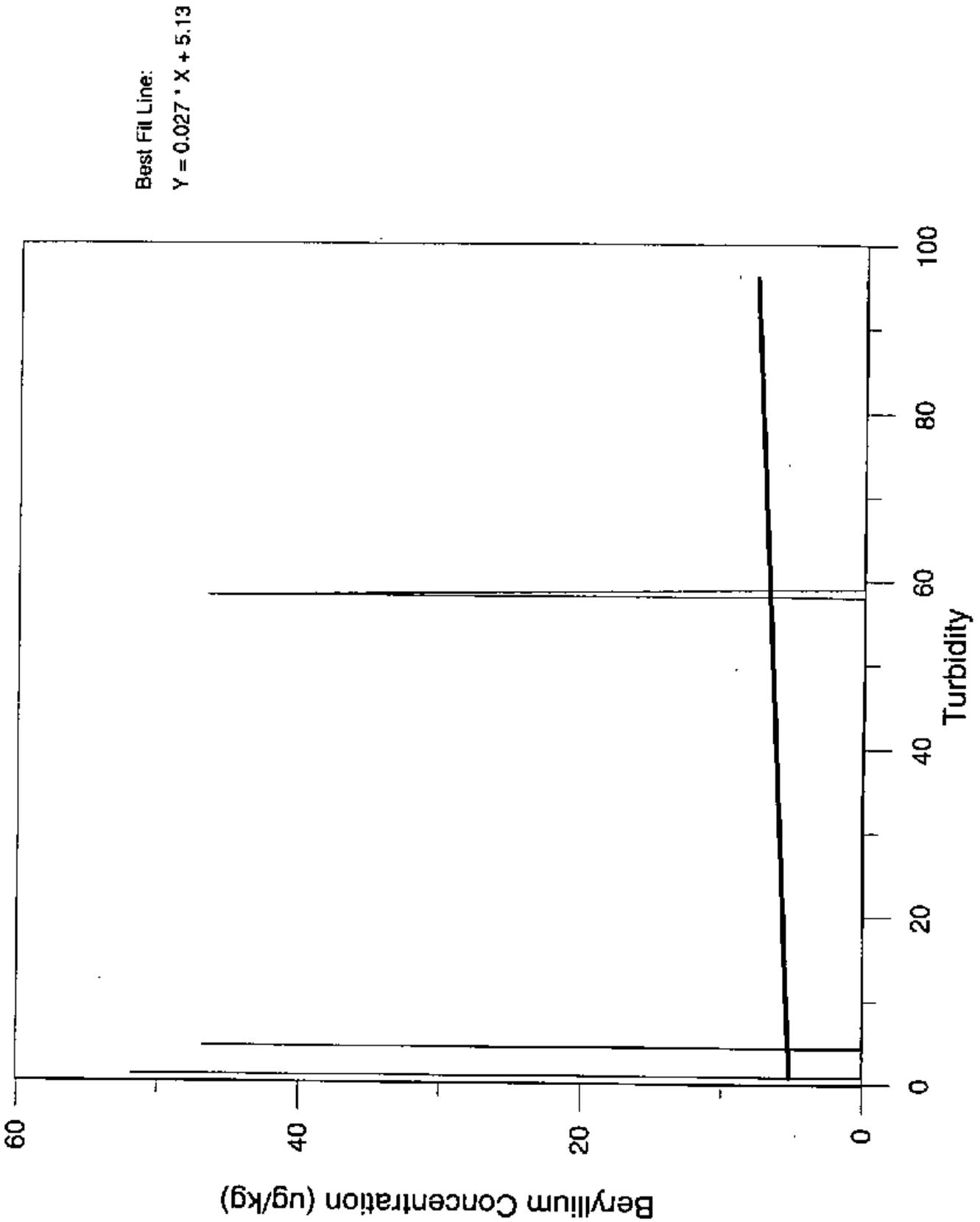
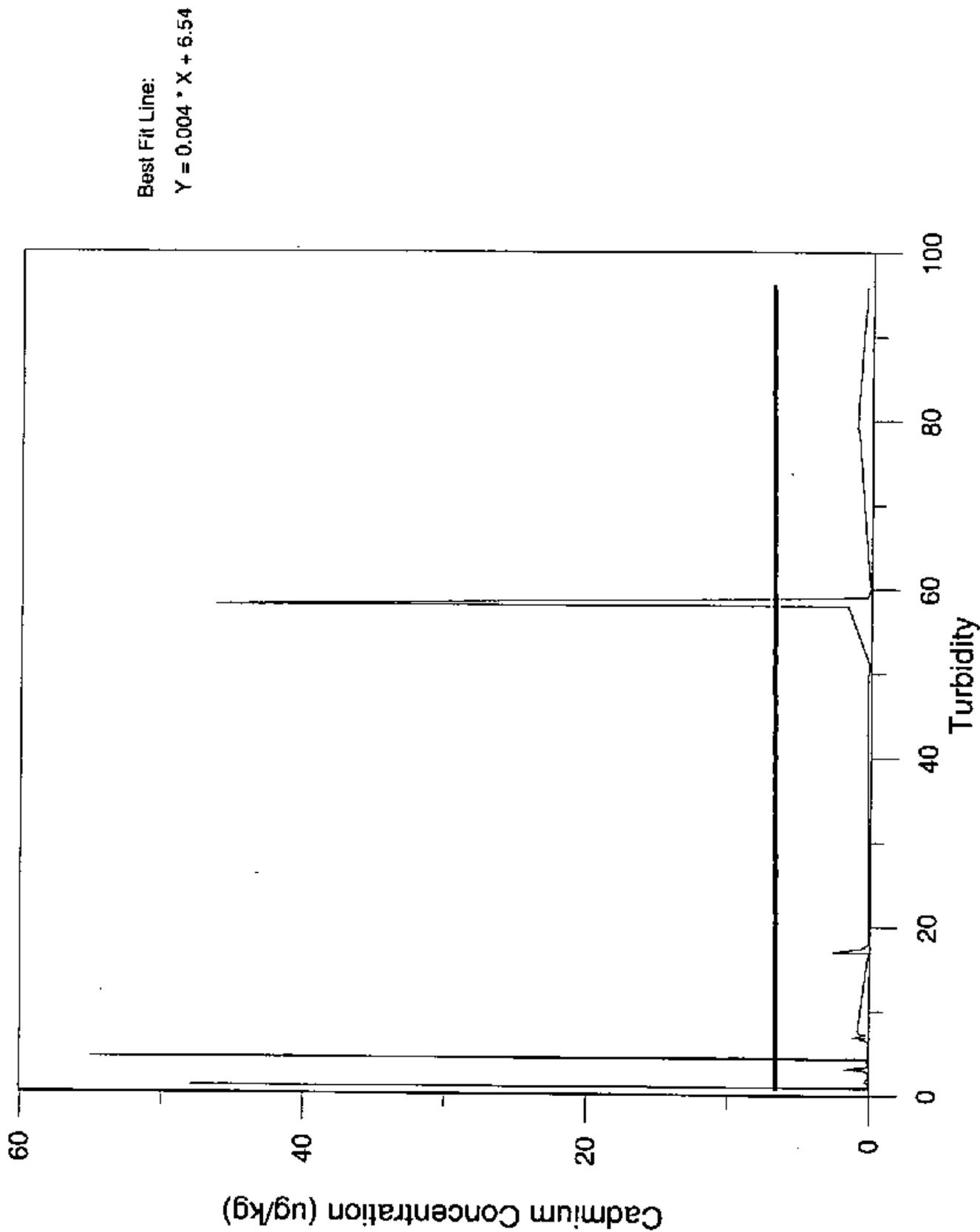
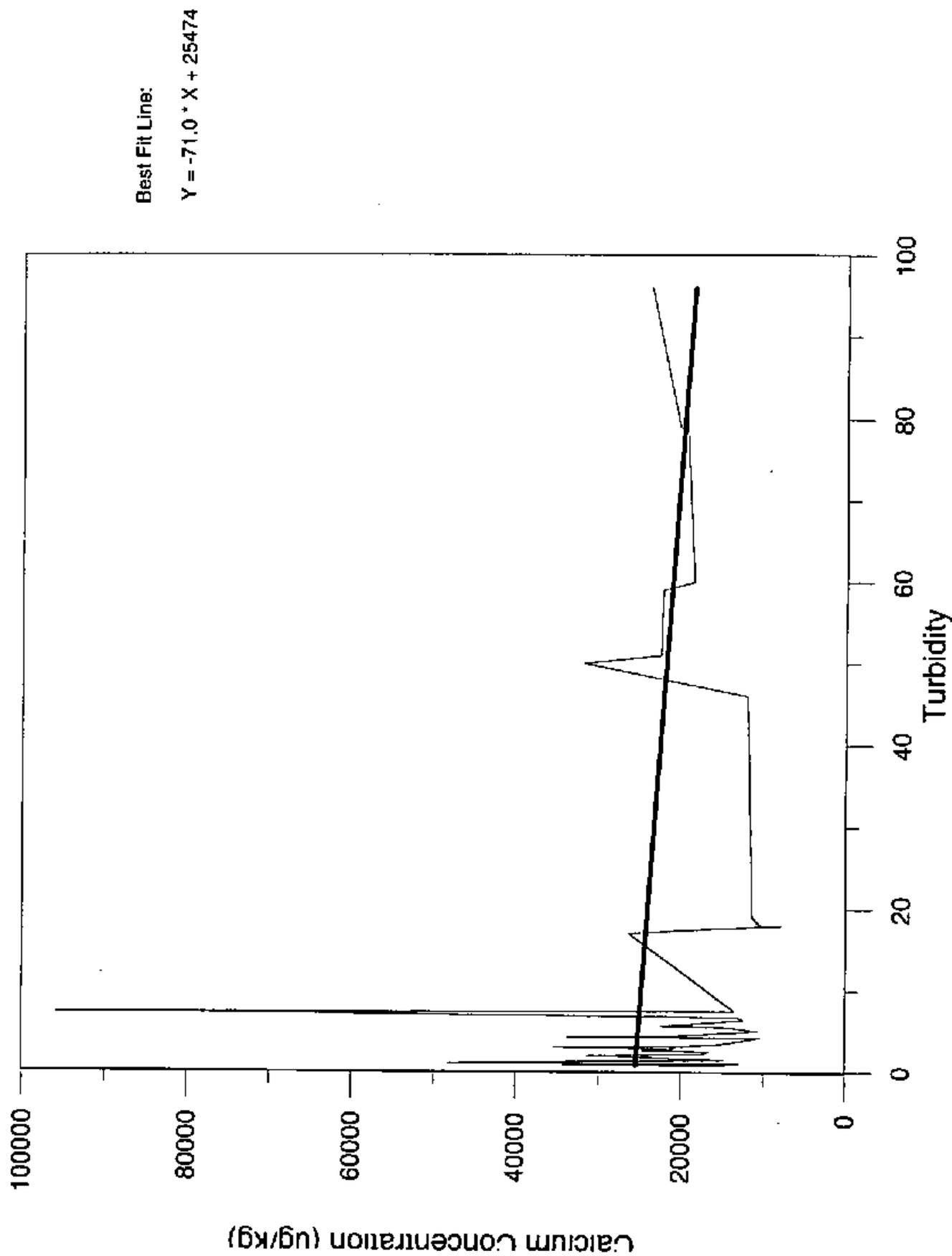


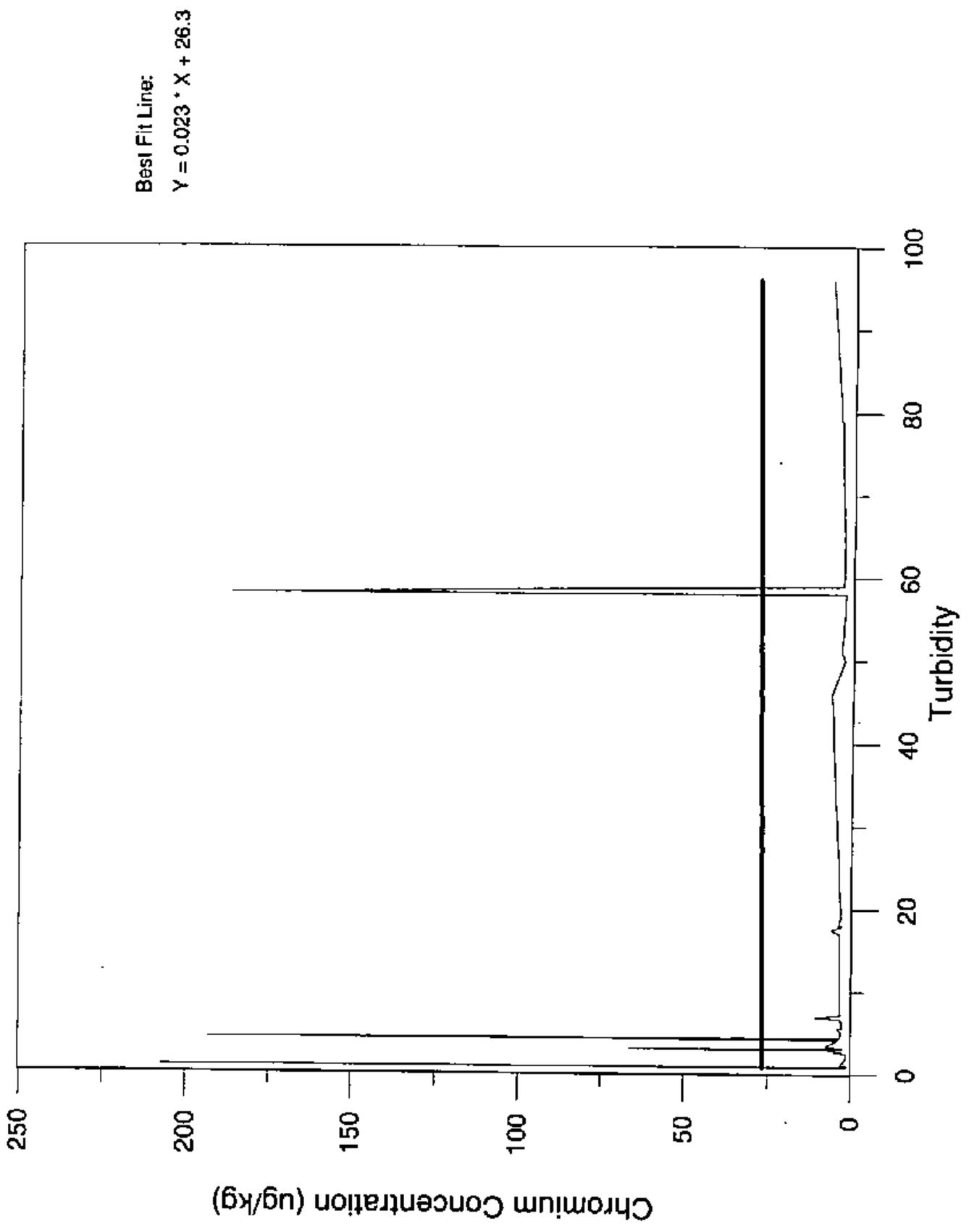
Figure 3-14F  
Cadmium Concentration vs. Turbidity  
March 1998 Sampling Event  
Defense Distribution Depot-Memphis, Tennessee



**Figure 3-14G**  
**Calcium Concentration vs. Turbidity**  
**March 1998 Sampling Event**  
**Defense Distribution Depot-Memphis, Tennessee**



**Figure 3-14H**  
**Chromium Concentration vs. Turbidity**  
**March 1998 Sampling Event**  
**Defense Distribution Depot-Memphis, Tennessee**



**Figure 3-14I**  
**Cobalt Concentration vs. Turbidity**  
**March 1998 Sampling Event**  
**Defense Distribution Depot-Memphis, Tennessee**

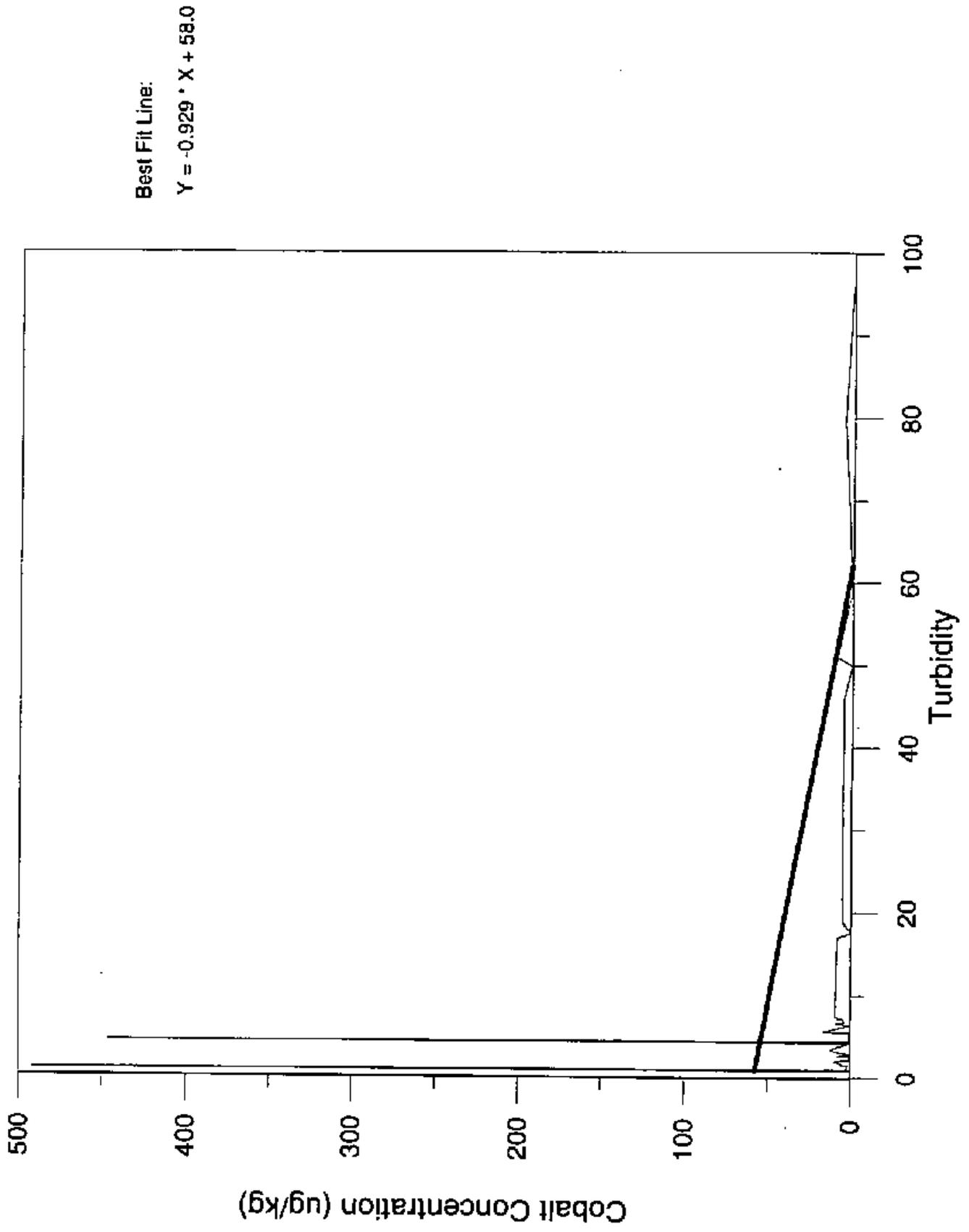


Figure 3-14J  
Copper Concentration vs. Turbidity  
March 1998 Sampling Event  
Defense Distribution Depot-Memphis, Tennessee

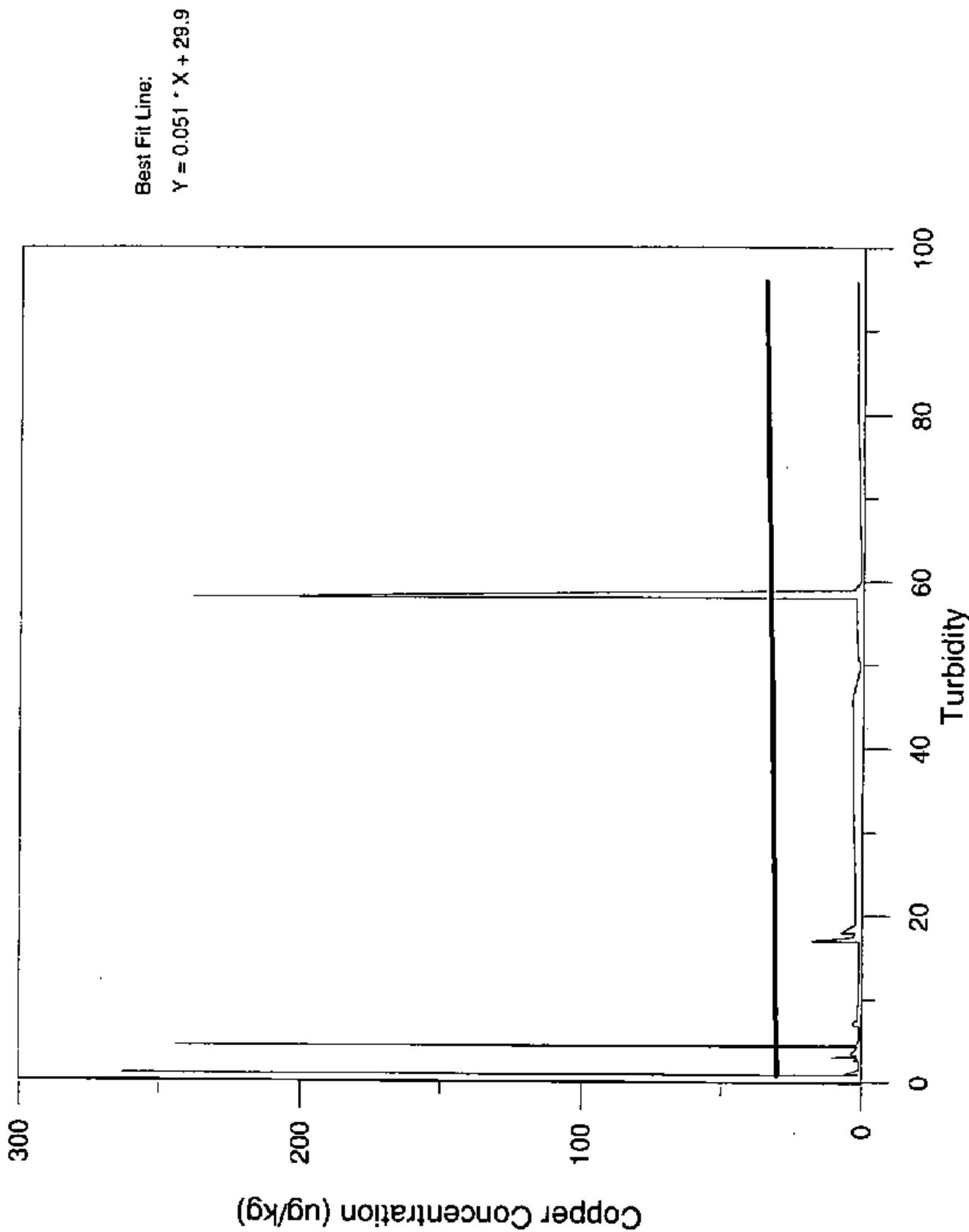


Figure 3-14K  
Iron Concentration vs. Turbidity  
March 1998 Sampling Event  
Defense Distribution Depot-Memphis, Tennessee

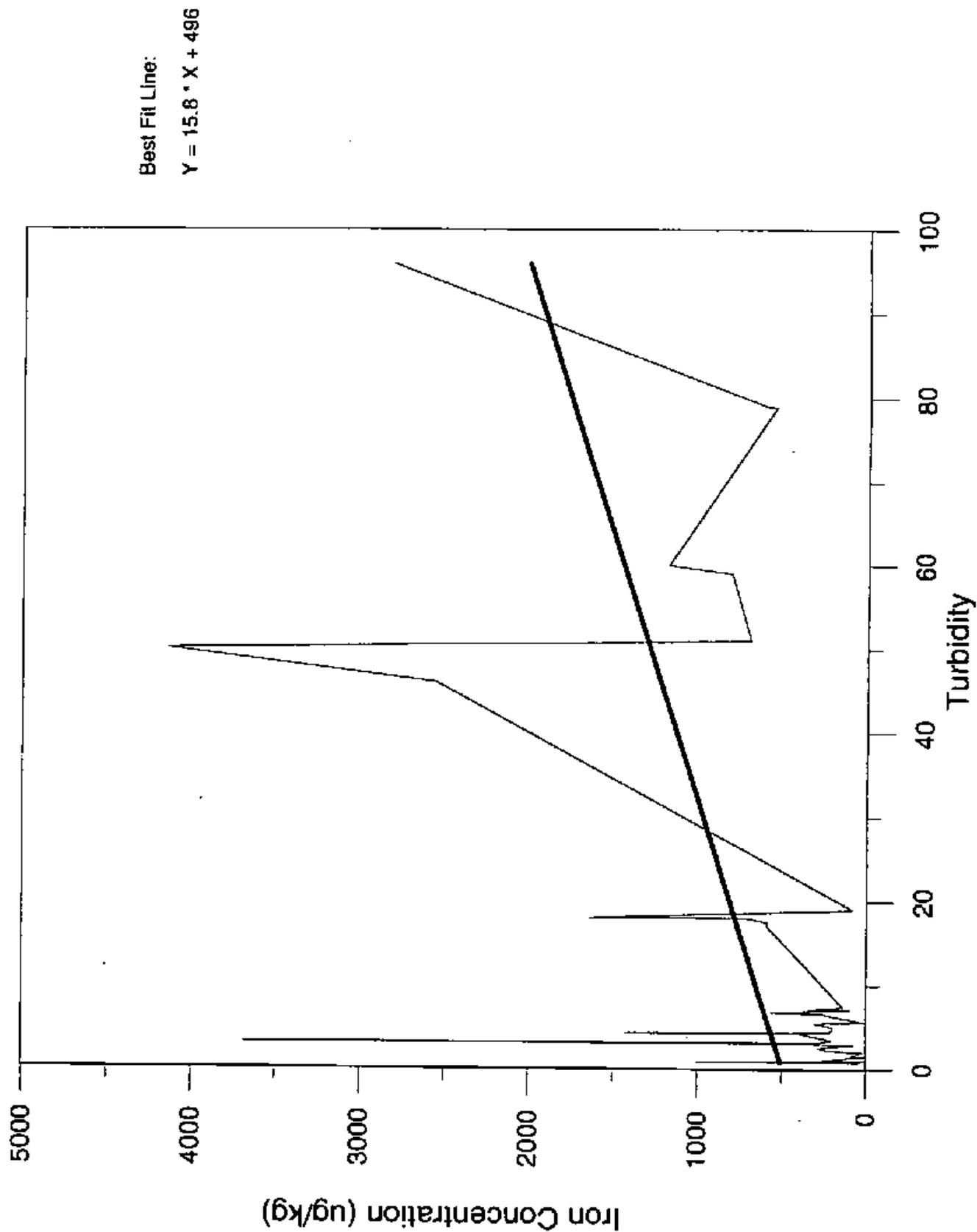
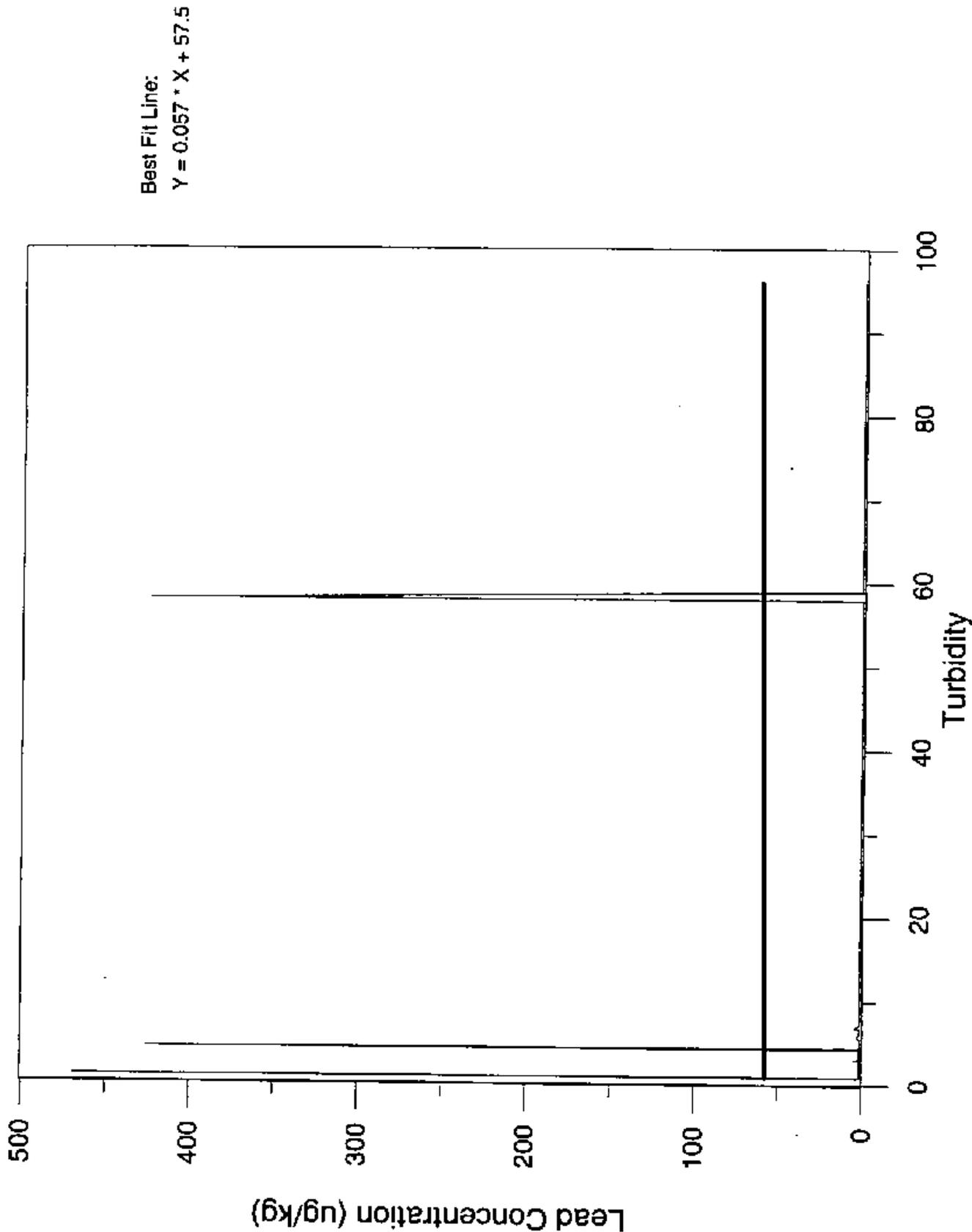
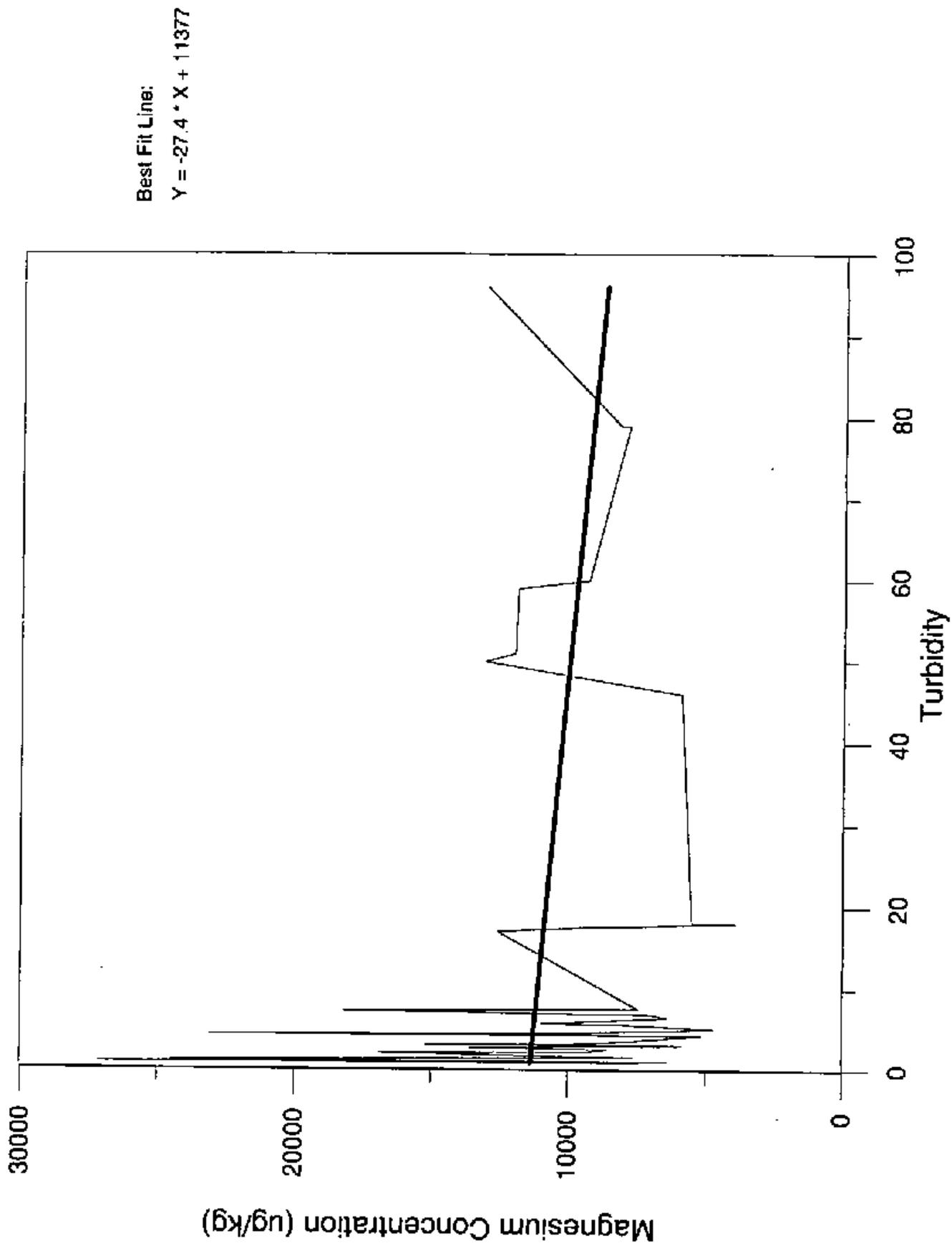


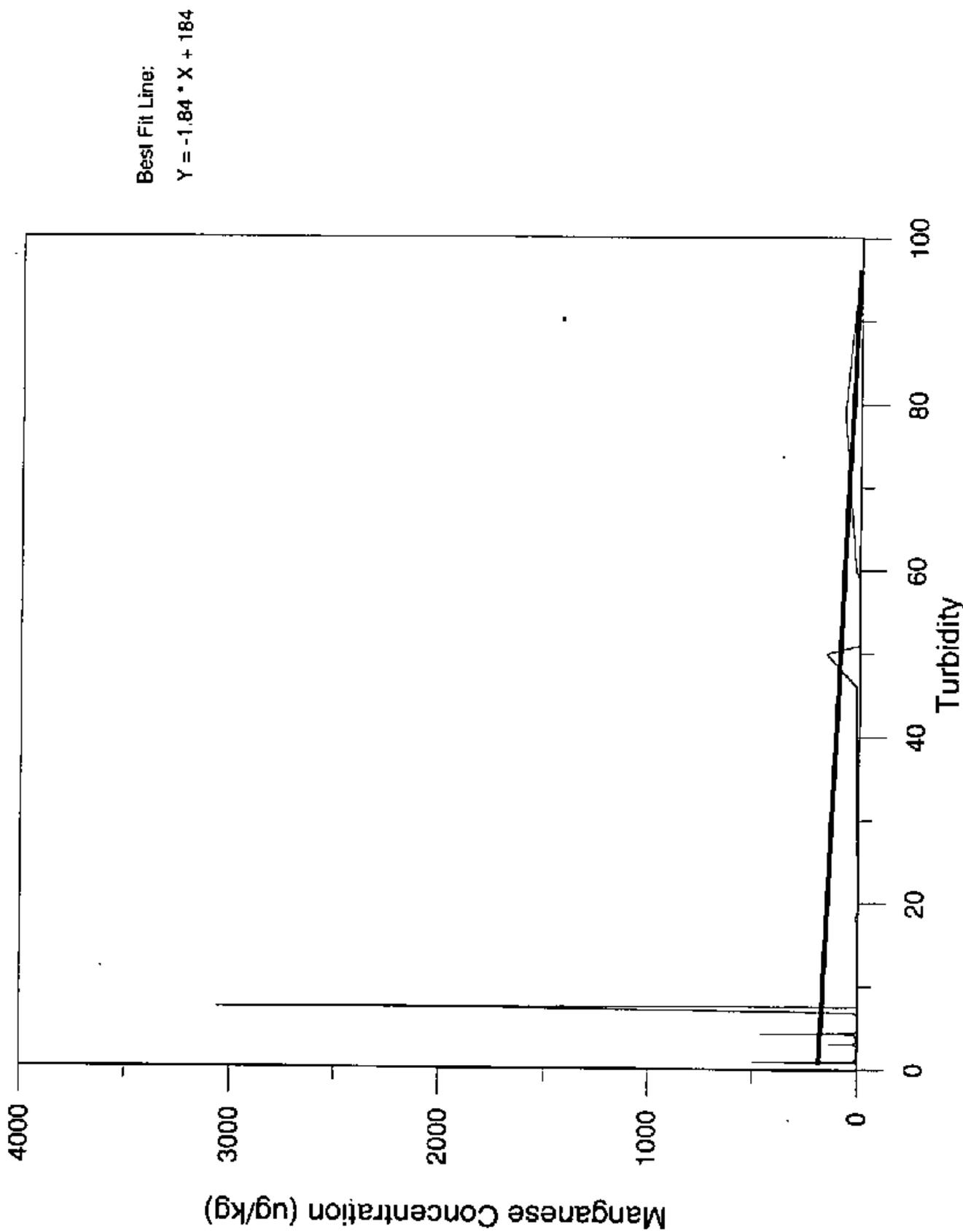
Figure 3-14L  
Lead Concentration vs. Turbidity  
March 1998 Sampling Event  
Defense Distribution Depot-Memphis, Tennessee



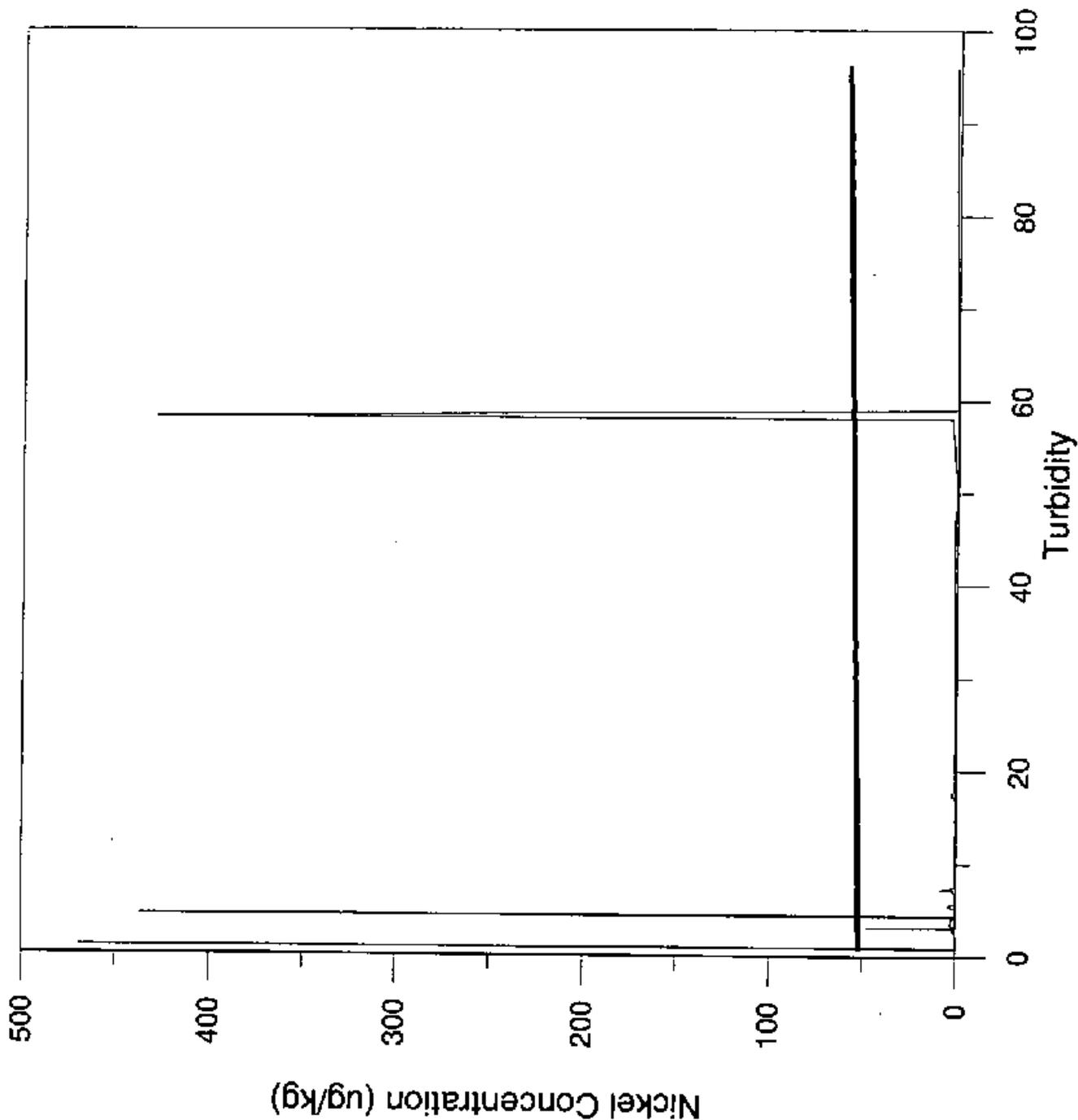
**Figure 3-14M**  
**Magnesium Concentration vs. Turbidity**  
**March 1998 Sampling Event**  
**Defense Distribution Depot-Memphis, Tennessee**



**Figure 3-14N**  
**Manganese Concentration vs. Turbidity**  
**March 1998 Sampling Event**  
**Defense Distribution Depot-Memphis, Tennessee**

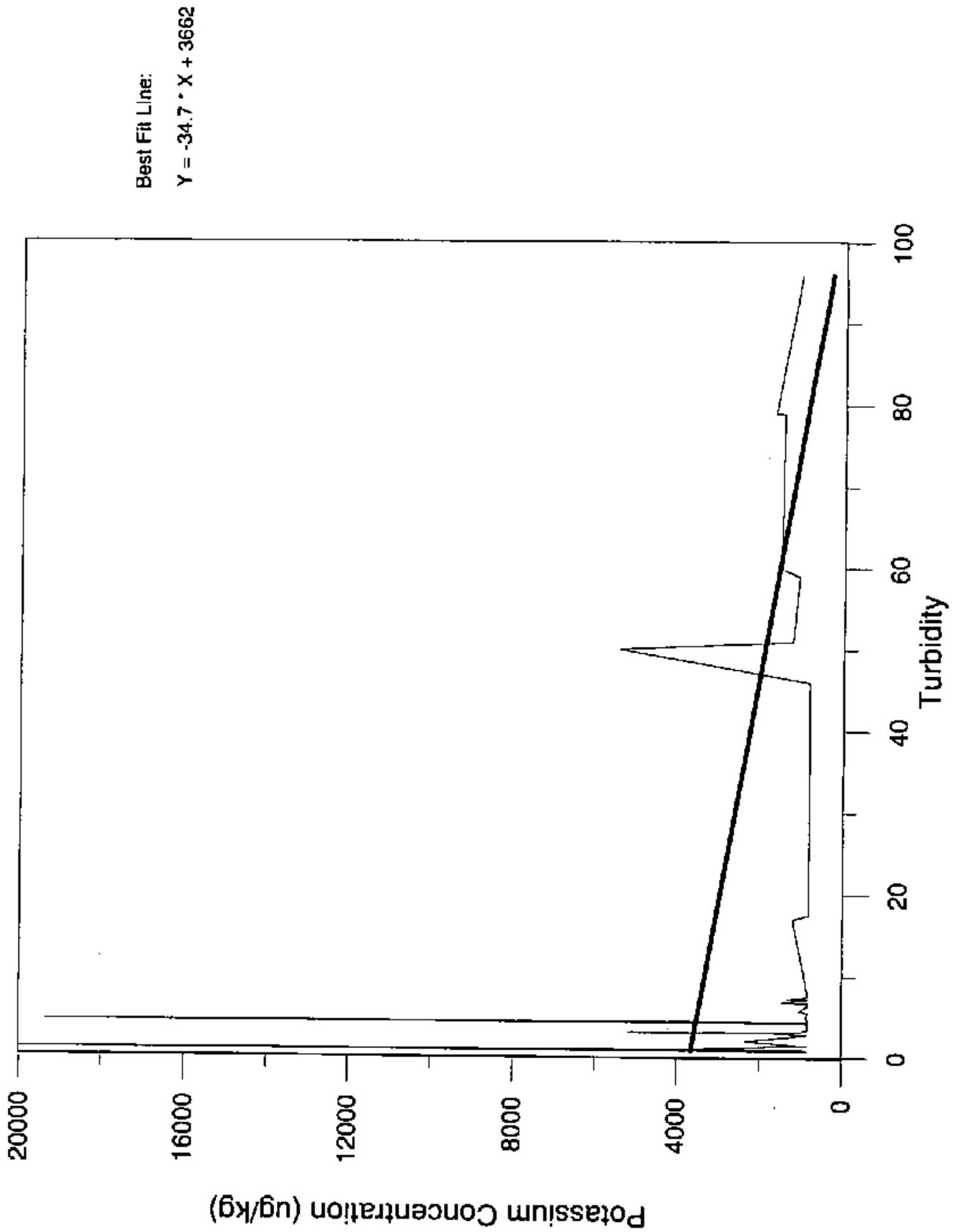


**Figure 3-140**  
**Nickel Concentration vs. Turbidity**  
**March 1998 Sampling Event**  
**Defense Distribution Depot-Memphis, Tennessee**

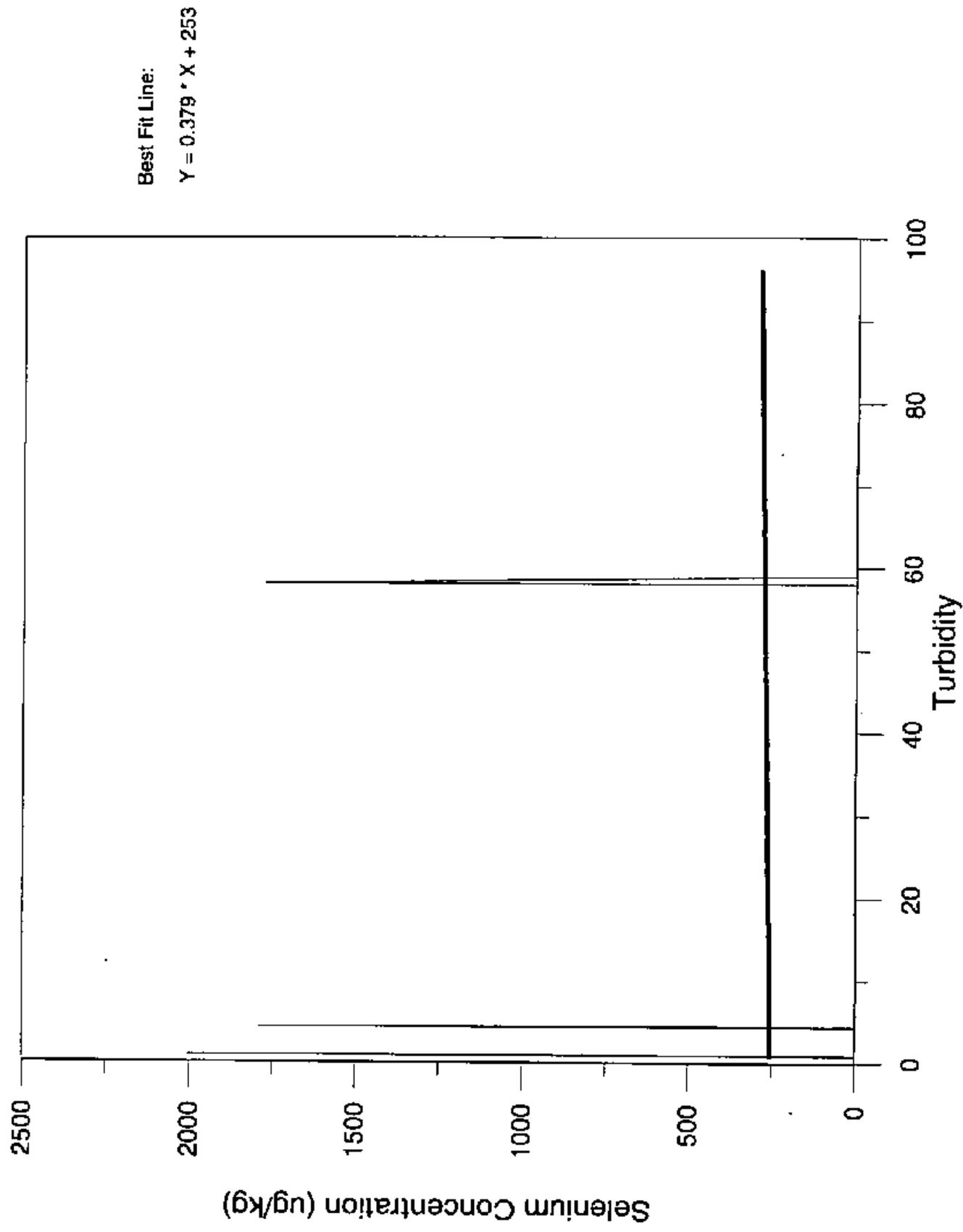


Best Fit Line:  
 $Y = 0.0799 \cdot X + 51.7$

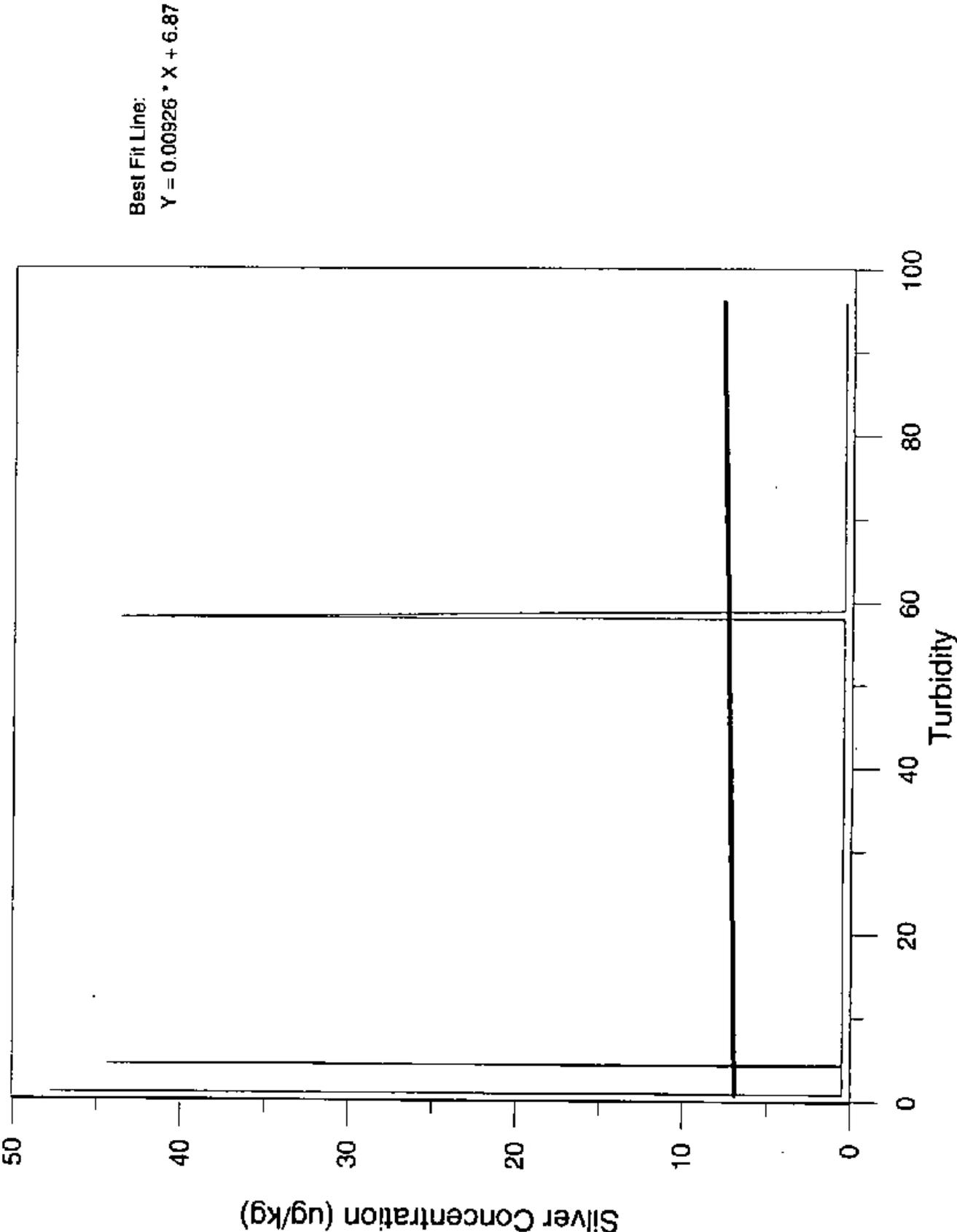
**Figure 3-14P**  
**Potassium Concentration vs. Turbidity**  
**March 1998 Sampling Event**  
**Defense Distribution Depot-Memphis, Tennessee**



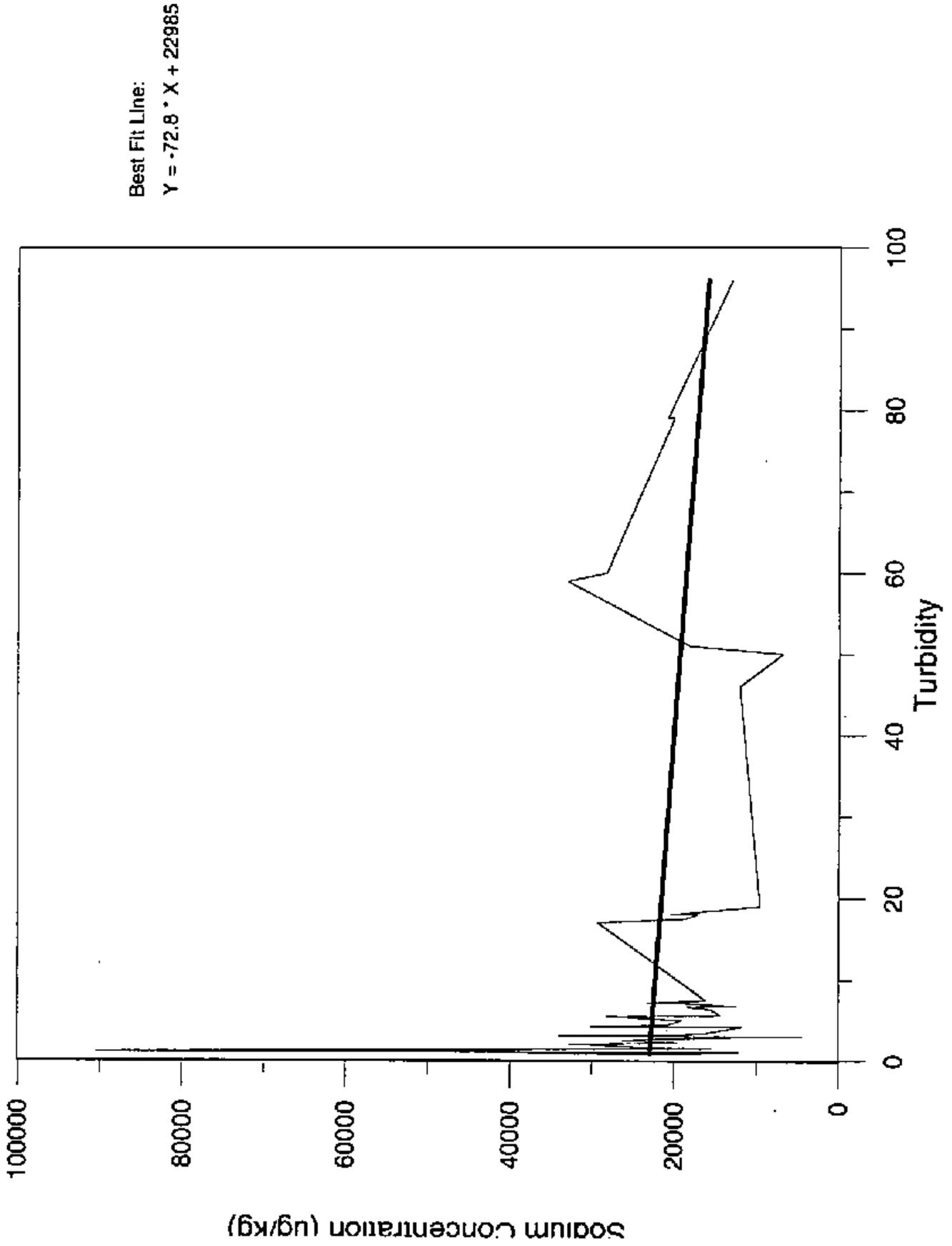
**Figure 3-14Q**  
**Selenium Concentration vs. Turbidity**  
**March 1998 Sampling Event**  
**Defense Distribution Depot-Memphis, Tennessee**



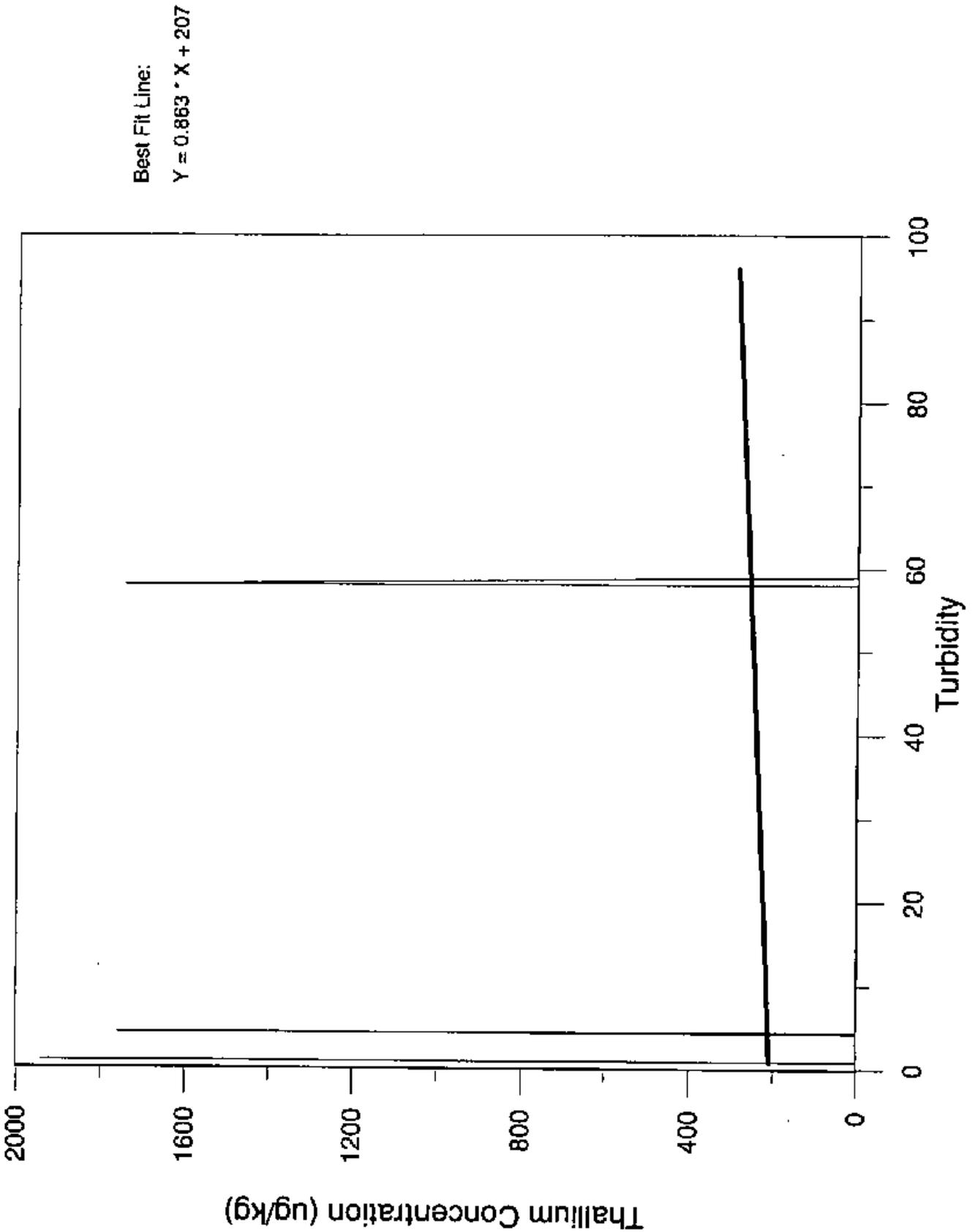
**Figure 3-14R**  
**Silver Concentration vs. Turbidity**  
**March 1998 Sampling Event**  
**Defense Distribution Depot-Memphis, Tennessee**



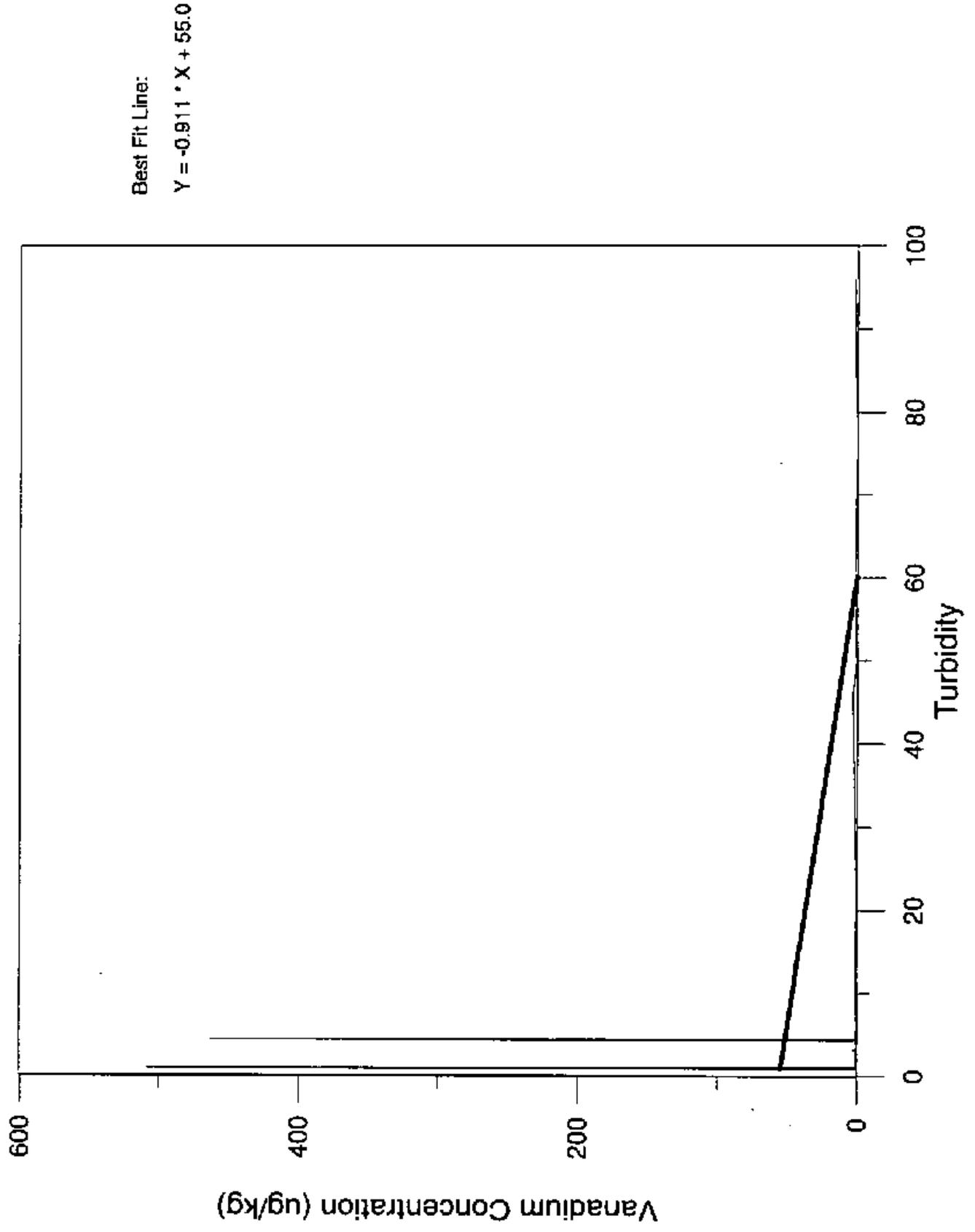
**Figure 3-14S**  
**Sodium Concentration vs. Turbidity**  
**March 1998 Sampling Event**  
**Defense Distribution Depot-Memphis, Tennessee**



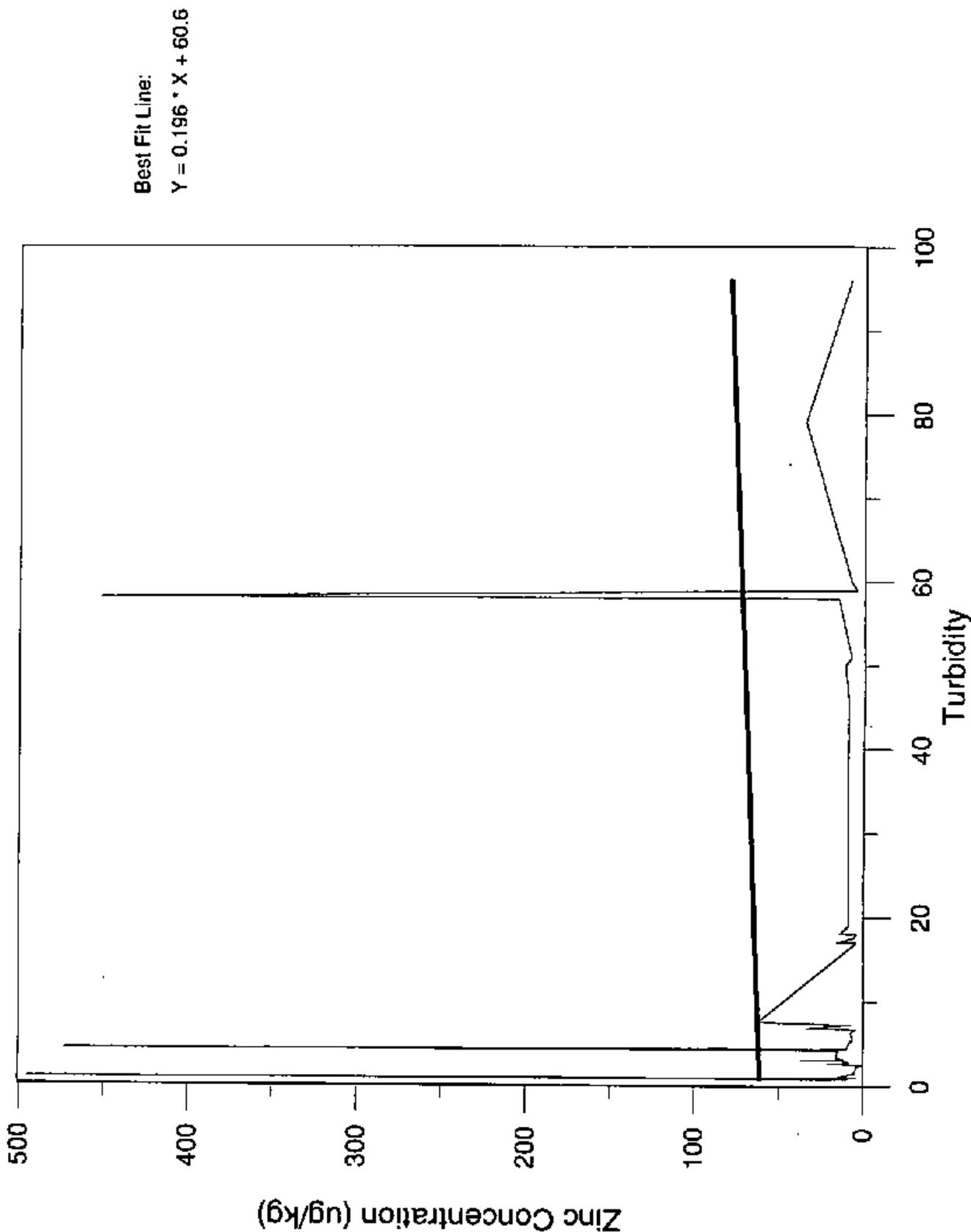
**Figure 3-14T**  
**Thallium Concentration vs. Turbidity**  
**March 1998 Sampling Event**  
**Defense Distribution Depot-Memphis, Tennessee**



**Figure 3-14U**  
**Vanadium Concentration vs. Turbidity**  
**March 1998 Sampling Event**  
**Defense Distribution Depot-Memphis, Tennessee**



**Figure 3-14V**  
**Zinc Concentration vs. Turbidity**  
**March 1998 Sampling Event**  
**Defense Distribution Depot-Memphis, Tennessee**









**Tables**

TABLE 2-1  
GROUNDWATER SAMPLE SUMMARY  
MARCH 1998 SAMPLING EVENT  
DEFENSE DISTRIBUTION DEPOT-MEMPHIS, TENNESSEE

Well No.	Date Sampled	Sample ID	Analysis	QA/QC Samples	Well Volume (gal)	Purged Volume (gal)	No. of Well Volumes Purged	pH	Conductivity (mS/cm)	Temp (°C)	DO (mg/L)	Redox (mv)	Turbidity (NTU)	Sampling Method	Comments
2	3/27/98	MW024	VOCs: TAL Metals	Dup (VOCs)	1.8	1.3	3	6.38	0.572	16.9	18.35	183.0	>100	Bailed	Well purged dry after 1.25 gal
3	3/27/98	MW034	VOCs: TAL Metals; FS		2.4	9.6	4	5.85	0.366	18.8	3.75	216.8	51.0	Pumped	
4	3/28/98	MW044	VOCs: TAL Metals		1.93	6.0	3	6.07	0.269	17.5	12.74	145.1	18.0	Bailed	
5	3/28/98	MW054	VOCs; SVOCs; TAL Metals; Iodine		0.80	4.0	5	5.66	0.311	19.0	6.44	213.9	5.5	Pumped	
6	3/30/98	MW064	VOCs; SVOCs; TAL Metals		1.9	8.0	4	5.54	1.072	19.2	6.86	259.0	7.2	Pumped	14 hours elapsed between final parameter reading and sample collection because of slow recharge. Turbidity measurement
7	4/1/98	MW074	VOCs; SVOCs; TAL Metals		2.5	10.0	4	5.96	0.295	18.6	6.13	201.5	53.6	Bailed	Samples obtained via pump - TAL metals, benchtop turbidity. Samples obtained via bailer - VOCs. Was noted during bailing that water had organic material and a strong odd odor.
8	3/30/98	MW084	VOCs; SVOCs; TAL Metals; FS		1.7	8.5	5	5.91	0.322	18.6	5.90	212.4	>100	Pumped	After well was opened, benchtop Max. OVM reading = 1079 ppm; Max. BZ = 0.9 ppm. Occasionally smelled exhaust from diesel generator. VOCs taken through pump; samples obtained through bailer due to problem with controller. VOCs taken through pump and
9	3/26/98	MW094	VOCs; TAL Metals		1.4	4.2	3	5.96	0.340	18.8	4.80	133.7	3.1	Pumped/Bailed	Samples obtained via pump - SVOCs; TAL metals, benchtop turbidity. Samples obtained via recharge very slow - could not collect water quality parameters. 15 hours elapsed between collection of VOCs and metals turbidity. VOCs taken through pump and bailer.
10	3/28/98	MW104	VOCs; TAL Metals; FS	Spill	1.7	5.1	3	5.66	0.322	18.9	4.68	142.7	17.5	Pumped	
11	3/28/98	MW114	VOCs; TAL Metals; Iodine	Spill (VOCs; TAL metals)	2.0	10.0	5	5.68	0.252	18.4	4.34	184.0	6.7	Pumped	
12	3/30/98	MW124	VOCs; TAL Metals		2.1	15.0	7	6.17	0.250	20.9	7.21	183.0	3.4	Pumped/Bailed	
13	3/26/98	MW134	VOCs; SVOCs; TAL Metals; FS	Dup (SVOCs)	2.0	8.0	4	5.77	0.267	19.0	6.75	187.5	>100	Bailed	
14	3/25/98	MW144	VOCs; SVOCs; TAL Metals; FS	Dup (TAL Metals)	1.17	15.5	13	5.86	0.276	19.2	5.80	196.5	6.8	Pumped/Bailed	
15	3/28/98	MW154	VOCs; TAL Metals		2.41	19.0	8	5.72	0.216	18.1	6.83	181.4	46.0	Pumped	
16	3/24/98	MW164	VOCs; SVOCs; TAL Metals		3.1	11.3	4	6.13	0.474	20.6	3.09	221.4	3.0	Pumped/Bailed	
19	3/25/98	MW194	VOCs; TAL Metals		1.41	1.0	4						>100	Bailed	
20	3/25/98	MW204	VOCs; SVOCs; TAL Metals	Dup. MS/MSD (SVOCs)	2.42	16.0	7	5.86	0.272	19.0	8.43	206.4	1.5	Pumped/Bailed	
21	3/27/98	MW214	VOCs; SVOCs; TAL Metals; FS; MEE		2.2	10.0	5	5.81	0.228	19.8	6.00	173.3	7.5	Pumped	
22	3/27/98	MW224	VOCs; SVOCs; TAL Metals; FS; MEE		1.86	5.3	3	6.32	0.482	18.6	10.75	115.1	59.0	Bailed	Recharge very slow. 14 hours elapsed between collection of VOCs and metals turbidity. Samples obtained via pump -
23	3/24/98	MW234	VOCs; SVOCs; TAL Metals; FS; MEE		2.4	7.2	3	6.12	0.300	19.5	5.28	138.5	5.6	Pumped/Bailed	turbidity. Samples obtained via bailer - VOCs, MEE.
24	4/2/98	MW244	VOCs; SVOCs; TAL Metals		1.8	6.0	3	6.01	0.243	17.7	9.33	253.4	1527.7	Bailed	15 hours elapsed between final parameter reading and sample collection because of slow recharge. Turbidity measurement
25	3/26/98	MW254	VOCs; SVOCs; TAL Metals		1.32	6.0	5	5.93	0.011	20.5	10.00	244.7	2.2	Pumped	
26	3/28/98	MW264	VOCs; TAL Metals		2.3	15.5	7	6.09	0.376	21.5	6.97	201.5	60.0	Pumped	
28	3/24/98	MW284	VOCs; TAL Metals		2.13	60.0	28	5.56	0.179	18.2	4.79	226.8	4.2	Pumped	

TABLE 2-1  
GROUNDWATER SAMPLE SUMMARY  
MARCH 1998 SAMPLING EVENT  
DEFENSE DISTRIBUTION DEPOT-MEMPHIS, TENNESSEE

Well No.	Date Sampled	Sample ID	Analysis	QA/QC Samples	Well Volume (gal)	Purged Volume (gal)	No. of Well Volumes Purged	pH	Conductivity (mS/cm)	Temp (°C)	DO (mg/L)	Redox (mV)	Turbidity (NTU)	Sampling Method	Comments
29	3/28/98	MW294	VOCs; SVOCs; TAL Metals		2.8	8.4	3	5.71	0.424	19.0	3.20	217.5	17.0	Pumped	Samples obtained via pump - SVOCs, TAL metals, FS, MEE, benchtop turbidity. Samples obtained via bailer - VOCs.
30	3/24/98	MW304	VOCs; SVOCs; TAL Metals; FS; MEE		2.8	11.2	4	6.15	0.027	19.0	7.10	263.6	2.6	Pumped/Bailed	Samples obtained via pump - SVOCs, TAL metals, FS, benchtop turbidity. Samples obtained via bailer - VOCs.
31	3/24/98	MW314	VOCs; SVOCs; TAL Metals; FS; MEE		3.71	35.0	9	5.99	0.344	17.5	5.11	178.0	2.6	Pumped/Bailed	Samples obtained via pump - SVOCs, TAL metals, FS, benchtop turbidity. Samples obtained via bailer - VOCs, MEE.
32	3/27/98	MW324	VOCs; TAL Metals; FS; MEE; WQ		1.58	12.0	8	5.59	0.813	17.2	5.93	229.9	7.2	Pumped	Samples obtained via pump - TAL metals, MEE, benchtop turbidity. Samples obtained via bailer - VOCs.
33	3/25/98	MW334	VOCs; TAL Metals; MEE		1.8	9.0	5	5.67	0.187	18.5	8.59	252.0	18.0	Pumped/Bailed	Samples obtained via pump - TAL metals, MEE, benchtop turbidity. Samples obtained via bailer - VOCs.
34	3/27/98	MW344	VOCs; SVOCs; TAL Metals; FS; Ttium	Dup (VOCs)	4.7	14.1	3	5.78	0.200	19.9	5.44	191.9	19.0	Pumped	After well had been opened for approx. 30 min., benchtop Max. OVM reading = 906 ppm and Max. BZ = 1.1 ppm. Smelled diesel fumes from nearby heavy equipment.
35	3/30/98	MW354	VOCs; SVOCs; TAL Metals; FS	Dup: MS/MSD; Spill (VOCs); SVOCs; TAL Metals	3.08	30.0	10	5.84	0.251	19.0	5.42	213.4	0.8	Pumped	Samples obtained via pump - SVOCs, TAL metals, Ttium, benchtop turbidity. Samples obtained via bailer - VOCs.
36	3/24/98	MW364	VOCs; SVOCs; TAL Metals; Ttium	Dup (TAL Metals)	9.77	45.0	5	6.66	0.237	20.1	3.52	-128.7	92.5	Pumped/Bailed	Samples obtained via pump - SVOCs, TAL metals, Ttium, benchtop turbidity. Samples obtained via bailer - VOCs.
37	3/27/98	MW374	VOCs; SVOCs; TAL Metals; WQ	Spills (VOCs); SVOCs; TAL Metals	10.02	37.0	4	6.53	0.375	19.9	1.88	-21.9	50.0	Pumped	Samples obtained via pump - SVOCs, TAL metals, benchtop turbidity. Samples obtained via bailer - VOCs.
38	3/26/98	MW384	VOCs; SVOCs; TAL Metals	Dup: MS/MSD (TAL metals)	4.02	10.0	3	5.93	0.224	21.5	7.77	182.3	4.2	Pumped/Bailed	Samples obtained via pump - SVOCs, TAL metals, benchtop turbidity. Samples obtained via bailer - VOCs.
39	3/27/98	MW394	VOCs; SVOCs; TAL Metals	Dup (TAL metals)	2.34	8.0	3	6.03	0.013	21.7	11.28	158.7	79.0	Pumped	Heavy traffic around sampling location - smelled car exhaust while sampling.
40	3/28/98	MW404	VOCs; FS; MEE; PPMMET		3	10.0	3	6.10	0.700	20.2	5.31	100.9	0.9	Pumped	2 hours elapsed between final parameter reading and sample collection because of slow well purged after 2 gal. 6 hours elapsed between final parameter reading and sample collection because of slow recharge.
41	3/25/98	MW414	VOCs; MEE; PPMMET		0.3	1.0	3	6.37	0.197	18.6	7.00	104.3	17.0	Bailed	6 hours elapsed between final parameter reading and sample collection because of slow recharge.
42	3/27/98	MW424	VOCs; MEE; PPMMET	Dup: MS/MSD (Metals)	1	2.0	3	6.23	0.219	17.4	11.52	156.0	58.0	Bailed	6 hours elapsed between final parameter reading and sample collection because of slow recharge.
44	3/27/98	MW444	VOCs; SVOCs; MEE; PPMMET	Dup: MS/MSD (VOCs)	3.8	12.0	3	6.25	0.347	18.9	11.16	132.0	>100	Bailed	5 hours elapsed between final parameter reading and sample collection because of slow recharge.
45	3/27/98	MW454	VOCs; SVOCs; TAL Metals	Dup (VOCs)	2	6.0	3	6.12	0.379	19.1	7.61	112.0	96.0	Bailed	5 hours elapsed between final parameter reading and sample collection because of slow recharge.
46	3/25/98	MW464	VOCs; SVOCs; TAL Metals		3.4	14.0	4						2.5	Pumped/Bailed	Could not collect GW quality parameters because of YSI 610-D malfunction. Samples obtained via pump - SVOCs, TAL metals, benchtop turbidity. Samples obtained via bailer - VOCs.

TABLE 2-1  
GROUNDWATER SAMPLE SUMMARY  
MARCH 1998 SAMPLING EVENT  
DEFENSE DISTRIBUTION DEPOT-MEMPHIS, TENNESSEE

Well No.	Date Sampled	Sample ID	Analysis	QA/QC Samples	Well Volume (gal)	Purged Volume (gal)	No. of Well Volumes Purged	pH	Conductivity (mS/cm)	Temp (°C)	DO (mg/L)	Redox (mV)	Turbidity (NTU)	Sampling Method	Comments
47	3/28/98	MW474	VOCs; SVOCs; TAL Metals; FS; MEE		3.2	12.3	4	6.01	0.328	21.1	5.12	134.5	4.4	Pumped	Samples obtained via pump - SVOCs, TAL metals, FS, benchtop turbidity. Samples obtained via bailer - VOCs, MEE.
48	3/25/98	MW484	VOCs; SVOCs; TAL Metals; FS; MEE		2.4	7.2	3	5.87	0.262	20.7	6.67	221.4	1.5	Pumped/Bailed	Samples obtained via pump - SVOCs, TAL metals, benchtop turbidity. Samples obtained via pump - VOCs, TAL metals, benchtop turbidity. Samples obtained via pump - SVOCs, TAL metals, benchtop turbidity.
49	3/25/98	MW494	VOCs; SVOCs; TAL Metals		2.1	8.4	4	5.72	0.203	19.3	5.79	210.1	1.0	Pumped/Bailed	Samples obtained via pump - SVOCs, TAL metals, benchtop turbidity. Samples obtained via pump - VOCs, TAL metals, benchtop turbidity.
50	3/25/98	MW504	VOCs; SVOCs; TAL Metals		7	22.0	3	5.70	0.916	20.3	5.00	124.7	1.0	Pumped/Bailed	Samples obtained via pump - VOCs, TAL metals, benchtop turbidity. Samples obtained via pump - SVOCs, TAL metals, benchtop turbidity.
51	3/28/98	MW514	VOCs; SVOCs; TAL Metals; MEE		5.52	16.5	3	5.81	0.300	18.9	5.89	216.4	2.8	Pumped	Samples obtained via pump - SVOCs, TAL metals, benchtop turbidity. Samples obtained via pump - VOCs, TAL metals, benchtop turbidity.
52	3/25/98	MW524	VOCs; SVOCs; TAL Metals		4.0	16.0	3	5.82	0.943	18.6	6.83	82.6	1.0	Pumped/Bailed	Samples obtained via pump - VOCs, TAL metals, benchtop turbidity. Samples obtained via pump - SVOCs, TAL metals, benchtop turbidity.
53	3/26/98	MW534	VOCs; SVOCs; TAL Metals		3.3	9.9	3	6.00	0.506	19.9	1.60	187.7	2.0	Pumped/Bailed	Samples obtained via pump - VOCs, TAL metals, benchtop turbidity. Samples obtained via pump - SVOCs, TAL metals, benchtop turbidity.
54	3/28/98	MW544	VOCs; SVOCs; TAL Metals; MEE	Dup (SVOCs); Split (VOCs, SVOCs, TAL Metals)	3.6	14.0	3	6.04	0.227	20.9	8.78	138.2	6.4	Pumped	Samples obtained via pump - VOCs, TAL metals, benchtop turbidity. Samples obtained via pump - SVOCs, TAL metals, benchtop turbidity.
55	3/25/98	MW554	VOCs; SVOCs; TAL Metals; WQ		0.80	4.0	5	5.65	0.221	20.7	7.43	234.4	5.0	Pumped/Bailed	Samples obtained via pump - VOCs, TAL metals, WQ, benchtop turbidity. Samples obtained via pump - SVOCs, TAL metals, benchtop turbidity.

Notes:  
Blank cells indicate no data available.  
Unless otherwise specified in the comments column, turbidity was measured with a Hoch Model 16800 benchtop turbidity meter. All other parameters were measured with a YSI 610-D.  
BZ = breathing zone  
QA/QC = Quality Assurance/Quality Control  
gal = gallon  
mV = millivolts  
mS/cm = millisiemens per centimeter  
VOC = volatile organic compound  
PPM = parts per million  
SVOC = semivolatile organic compound  
TAL = Toxic Analyte List  
PPM/MET = Priority Pollutant List Metals  
Split = indicates a split sample was collected and sent to the Corps of Engineers for Quality Control purposes.  
MS/MSD = matrix spike/matrix spike duplicate  
DO = dissolved oxygen  
FS = TOC, Sulfate, Nitrate, Chloride (Cl), NH<sub>4</sub>, and Iron (Fe)  
MEE = Methane, Ethane, Ethene  
WQ = HCO<sub>3</sub>, SO<sub>4</sub>, Chloride (Cl), Fluoride (F), Hardness, and Itrium (H<sub>3</sub>)

Table 3-1  
 Water Level and Top of Confining Unit Elevations  
 DDMT Groundwater Characterization  
 MARCH 1998 SAMPLING EVENT  
 DEFENSE DISTRIBUTION DEPOT-MEMPHIS, TENNESSEE

Well / Boring No.	Old No.	DTW (ft below TOC)	Total Depth of Well (ft)	Estimated Depth to Top of Confining Layer (ft)	Ground Surface Elevation (ft amsl)	TOC Elevation (ft amsl)	GW Elevation (ft amsl)	Top of Confining Layer Elevation (ft amsl)	Comments
2	NA	23.77	35.00	NA	NA	NA	NA	NA	
3	NA	62.30	77.00	NA	NA	NA	NA	NA	
4	NA	69.96	81.80	NA	NA	NA	NA	NA	
5	NA	74.57	79.25	NA	NA	NA	NA	NA	
6	NA	58.24	70.24	NA	NA	NA	NA	NA	
7	NA	82.14	77.20	NA	NA	NA	NA	NA	
8	NA	58.08	68.00	NA	292.74	NA	234.68	NA	Well casing needed repairs; WL measured 4-1-98
9	NA	71.43	82.50	NA	304.86	NA	233.23	NA	
10	NA	57.81	71.00	NA	288.86	NA	231.15	NA	
11	NA	69.40	85.00	NA	289.58	NA	230.19	NA	
12	NA	71.08	87.00	NA	301.40	NA	230.31	NA	
13	NA	68.10	83.00	NA	289.95	NA	231.85	NA	
14	NA	71.80	80.00	78.50	302.44	NA	230.84	222.84	
15	NA	64.20	81.00	NA	285.23	NA	231.03	NA	
16	NA	56.65	75.00	75.00	300.19	NA	243.53	225.19	
17	NA	dry	95.00	94.00	318.18	NA	NA	222.18	Not sampled
18	NA	131.00	140.00	NA	308.25	NA	177.25	NA	Not sampled
19	NA	88.80	98.00	90.00	290.85	NA	204.08	200.86	
20	NA	84.38	100.50	NA	285.19	NA	200.81	NA	
21	NA	93.19	109.50	NA	295.11	NA	201.82	NA	
22	NA	86.06	108.00	NA	288.06	NA	202.00	NA	
23	NA	88.50	114.00	NA	289.04	NA	200.54	NA	
24	NA	105.64	115.00	114.70	289.57	NA	193.93	184.87	
25	NA	71.58	81.00	80.70	270.31	NA	198.73	189.81	
26	NA	89.46	110.00	110.00	303.68	NA	204.22	193.68	
27	NA	81.07	84.00	96.00	304.19	NA	213.12	208.19	Not sampled
28	NA	58.49	89.00	80.00	294.89	NA	238.40	214.89	
29	NA	38.10	54.00	NA	273.35	NA	237.25	NA	
30	NA	43.82	58.00	66.00	273.83	NA	230.91	207.83	
31	NA	64.15	79.00	78.30	287.38	NA	223.23	211.08	
32	NA	56.70	68.00	66.50	285.42	NA	228.72	218.92	Data logger in well; WL measured on 3-27-98
33	NA	47.75	60.00	60.00	277.52	NA	228.77	217.52	
34	NA	134.25	157.00	156.30	300.78	NA	188.53	142.48	Data logger in well; WL measured on 3-27-98
35	NA	70.25	90.00	80.50	301.85	NA	231.40	211.15	
36	NA	149.08	209.00	90.00	311.15	NA	162.07	221.15	
37	NA	124.60	183.00	70.00	285.45	NA	180.85	215.45	Data logger in well; WL measured on 3-27-98
38	NA	130.35	155.00	155.00	308.36	NA	178.01	153.36	
39	NA	101.31	116.00	NA	296.42	NA	195.11	NA	
40	C	76.80	95.00	85.00	262.40	262.25	185.45	187.40	
41	K	65.20	67.00	87.00	283.90	283.81	218.81	218.80	
42	N	53.00	59.00	59.00	275.10	274.87	221.87	218.10	
43	L	68.47	99.00	NA	285.50	285.23	188.78	NA	
44	M	49.20	74.00	78.00	269.40	269.07	218.87	191.40	
45	C	53.60	88.00	70.00	293.10	292.81	239.21	223.10	
46	B	50.94	72.00	73.00	287.90	287.56	238.82	214.90	
47	H	101.50	120.00	120.00	308.70	308.39	204.89	188.70	
48	I	78.68	94.00	94.50	284.70	284.49	205.81	190.20	
49	D	78.54	90.00	90.00	310.70	310.49	233.85	220.70	
50	F	84.84	124.00	125.00	299.30	288.78	213.84	174.30	
51	A	37.33	65.00	64.50	275.50	275.24	237.81	211.00	
52	G	79.64	104.00	104.00	279.50	278.19	198.55	175.50	
53	E	72.75	82.50	83.00	306.70	306.38	233.63	223.70	
54	J	74.10	84.50	85.00	295.50	295.38	221.26	200.50	Water level measured on 3-28-98
55	U	69.45	74.00	75.00	282.40	282.05	222.60	217.40	
STB-6	NA	NA	NA	75.00	287.32	NA	NA	212.32	
STB-7	NA	NA	NA	70.00	287.81	NA	NA	217.81	
STB-8	NA	NA	NA	95.00	288.51	NA	NA	203.51	
STB-12	NA	NA	NA	104.00	NA	NA	NA	#VALUE!	

## Notes:

All measurements collected from top north side of inner casing.

Water levels collected on March 23 - 24, 1998 (all were measured within a 24-hour period with the exception of those noted in the "comments" section).

NA = not available

ft amsl = feet above mean sea level

Table 3-2

## Detected Groundwater Constituents

Defense Distribution Depot - Memphis, Tennessee

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
<b>1,1,1-TRICHLOROETHANE</b>					
MW03	1 J	<input type="checkbox"/> 164.25	S	<input checked="" type="checkbox"/>	1 MAX_DET
MW07	2 J	<input type="checkbox"/> 164.25	S	<input checked="" type="checkbox"/>	1 MAX_DET
MW08	1 J	<input type="checkbox"/> 164.25	S	<input checked="" type="checkbox"/>	1 MAX_DET
MW10	2 J	<input type="checkbox"/> 164.25	S	<input checked="" type="checkbox"/>	1 MAX_DET
MW29	5 J	<input type="checkbox"/> 164.25	S	<input checked="" type="checkbox"/>	1 MAX_DET
MW51	2 J	<input type="checkbox"/> 164.25	S	<input checked="" type="checkbox"/>	1 MAX_DET
Maximum:	5				
Minimum:	1				
Average:	2.17				
<b>1,1,2,2-TETRACHLOROETHANE</b>					
MW06	130 =	<input checked="" type="checkbox"/> 0.21	C	<input type="checkbox"/>	0
MW08	2 J	<input checked="" type="checkbox"/> 0.21	C	<input type="checkbox"/>	0
MW11	2 J	<input checked="" type="checkbox"/> 0.21	C	<input type="checkbox"/>	0
MW12	540 =	<input checked="" type="checkbox"/> 0.21	C	<input type="checkbox"/>	0
MW31	97 =	<input checked="" type="checkbox"/> 0.21	C	<input type="checkbox"/>	0
MW32	140 =	<input checked="" type="checkbox"/> 0.21	C	<input type="checkbox"/>	0
MW34	2 J	<input checked="" type="checkbox"/> 0.21	C	<input type="checkbox"/>	0
MW35	4 J	<input checked="" type="checkbox"/> 0.21	C	<input type="checkbox"/>	0
MW35	6 J	<input checked="" type="checkbox"/> 0.21	C	<input type="checkbox"/>	0
Maximum:	540				
Minimum:	2				
Average:	102.56				
<b>1,1,2-TRICHLOROETHANE</b>					
MW06	5 J	<input checked="" type="checkbox"/> 0.6	S	<input type="checkbox"/>	0
MW31	4 J	<input checked="" type="checkbox"/> 0.6	S	<input type="checkbox"/>	0

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis	
MW32	6 J	<input checked="" type="checkbox"/>	0.6	S	<input type="checkbox"/>	0
Maximum:	6					
Minimum:	4					
Average:	5.00					

**1,1-DICHLOROETHANE**

MW07	2 J	<input type="checkbox"/>	182.5	S	<input type="checkbox"/>	0
MW08	1 J	<input type="checkbox"/>	182.5	S	<input type="checkbox"/>	0
MW10	2 J	<input type="checkbox"/>	182.5	S	<input type="checkbox"/>	0
MW29	2 J	<input type="checkbox"/>	182.5	S	<input type="checkbox"/>	0
MW40	2 J	<input type="checkbox"/>	182.5	S	<input type="checkbox"/>	0
Maximum:	2					
Minimum:	1					
Average:	1.80					

**1,1-DICHLOROETHENE**

MW03	25 =	<input type="checkbox"/>			<input type="checkbox"/>	
MW07	47 =	<input type="checkbox"/>			<input type="checkbox"/>	
MW08	19 =	<input type="checkbox"/>			<input type="checkbox"/>	
MW09	1 J	<input type="checkbox"/>			<input type="checkbox"/>	
MW10	41 =	<input type="checkbox"/>			<input type="checkbox"/>	
MW29	28 =	<input type="checkbox"/>			<input type="checkbox"/>	
MW31	26 =	<input type="checkbox"/>			<input type="checkbox"/>	
MW40	2 J	<input type="checkbox"/>			<input type="checkbox"/>	
MW51	30 =	<input type="checkbox"/>			<input type="checkbox"/>	
Maximum:	47					
Minimum:	1					
Average:	24.33					

**2,4,6-TRIBROMOPHENOL**

MW05	56 =	<input type="checkbox"/>			<input type="checkbox"/>	
MW06	8 =	<input type="checkbox"/>			<input type="checkbox"/>	

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW06	42 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW07	71 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW08	69 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW13	63 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW13	61 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW14	71 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW16	57 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW20	67 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW20	68 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW21	53 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW22	62 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW23	61 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW24	64 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW25	59 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW28	69 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW29	65 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW30	65 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW31	61 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW34	62 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW35	65 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW35	63 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW36	72 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW37	30 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW38	67 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW39	60 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW44	66 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW45	73 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW46	30 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW47	53 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW48	7 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW48	3 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW49	4 =	<input type="checkbox"/>		<input type="checkbox"/>	

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW49	61 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW50	63 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW51	58 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW52	64 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW53	61 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW54	55 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW54	58 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW55	66 =	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	73				
Minimum:	3				
Average:	55.55				

**2-FLUOROBIPHENYL**

MW05	62 =	<input type="checkbox"/>		<input type="checkbox"/>
MW06	73 =	<input type="checkbox"/>		<input type="checkbox"/>
MW06	93 =	<input type="checkbox"/>		<input type="checkbox"/>
MW07	90 =	<input type="checkbox"/>		<input type="checkbox"/>
MW08	83 =	<input type="checkbox"/>		<input type="checkbox"/>
MW13	72 =	<input type="checkbox"/>		<input type="checkbox"/>
MW13	66 =	<input type="checkbox"/>		<input type="checkbox"/>
MW14	82 =	<input type="checkbox"/>		<input type="checkbox"/>
MW16	51 =	<input type="checkbox"/>		<input type="checkbox"/>
MW20	71 =	<input type="checkbox"/>		<input type="checkbox"/>
MW20	71 =	<input type="checkbox"/>		<input type="checkbox"/>
MW21	55 =	<input type="checkbox"/>		<input type="checkbox"/>
MW22	68 =	<input type="checkbox"/>		<input type="checkbox"/>
MW23	70 =	<input type="checkbox"/>		<input type="checkbox"/>
MW24	86 =	<input type="checkbox"/>		<input type="checkbox"/>
MW25	72 =	<input type="checkbox"/>		<input type="checkbox"/>
MW28	50 =	<input type="checkbox"/>		<input type="checkbox"/>
MW29	73 =	<input type="checkbox"/>		<input type="checkbox"/>
MW30	56 =	<input type="checkbox"/>		<input type="checkbox"/>

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW31	50 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW34	66 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW35	82 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW35	76 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW36	68 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW37	54 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW38	72 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW39	64 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW44	66 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW45	74 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW46	79 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW47	56 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW48	79 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW48	71 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW49	74 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW49	74 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW50	82 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW51	69 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW52	69 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW53	75 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW54	65 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW54	68 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW55	72 =	<input type="checkbox"/>		<input type="checkbox"/>	
<b>Maximum:</b>	<b>93</b>				
<b>Minimum:</b>	<b>50</b>				
<b>Average:</b>	<b>70.21</b>				

**2-FLUOROPHENOL**

MW05	52 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW06	6 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW06	5 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW07	71 =	<input type="checkbox"/>		<input type="checkbox"/>	

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW08	66 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW13	63 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW13	59 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW14	64 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW16	40 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW20	67 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW20	66 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW21	54 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW22	58 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW23	61 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW24	72 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW25	61 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW28	39 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW29	63 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW30	45 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW31	42 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW34	59 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW35	64 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW35	62 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW36	35 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW37	23 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW38	65 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW39	54 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW44	56 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW45	58 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW46	50 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW47	51 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW48	38 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW48	6 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW49	3 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW49	58 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW50	65 =	<input type="checkbox"/>		<input type="checkbox"/>	

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW51	63 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW52	64 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW53	61 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW54	56 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW54	58 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW55	62 =	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	72				
Minimum:	3				
Average:	51.55				

**4-BROMOFLUOROBENZENE (Bromofluorobenzene or BFB)**

MW02	104 =	<input type="checkbox"/>	<input type="checkbox"/>
MW02	100 =	<input type="checkbox"/>	<input type="checkbox"/>
MW03	104 =	<input type="checkbox"/>	<input type="checkbox"/>
MW04	104 =	<input type="checkbox"/>	<input type="checkbox"/>
MW05	106 =	<input type="checkbox"/>	<input type="checkbox"/>
MW06	101 =	<input type="checkbox"/>	<input type="checkbox"/>
MW07	108 =	<input type="checkbox"/>	<input type="checkbox"/>
MW08	102 =	<input type="checkbox"/>	<input type="checkbox"/>
MW09	106 =	<input type="checkbox"/>	<input type="checkbox"/>
MW10	106 =	<input type="checkbox"/>	<input type="checkbox"/>
MW11	102 =	<input type="checkbox"/>	<input type="checkbox"/>
MW12	111 =	<input type="checkbox"/>	<input type="checkbox"/>
MW13	108 =	<input type="checkbox"/>	<input type="checkbox"/>
MW14	104 =	<input type="checkbox"/>	<input type="checkbox"/>
MW15	105 =	<input type="checkbox"/>	<input type="checkbox"/>
MW16	97 =	<input type="checkbox"/>	<input type="checkbox"/>
MW19	110 =	<input type="checkbox"/>	<input type="checkbox"/>
MW20	107 =	<input type="checkbox"/>	<input type="checkbox"/>
MW21	99 =	<input type="checkbox"/>	<input type="checkbox"/>
MW22	107 =	<input type="checkbox"/>	<input type="checkbox"/>
MW23	105 =	<input type="checkbox"/>	<input type="checkbox"/>

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW24	108 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW25	104 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW26	108 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW29	105 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW30	98 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW31	99 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW32	97 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW33	103 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW34	103 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW34	102 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW35	105 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW35	106 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW36	100 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW37	101 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW38	105 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW39	102 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW40	105 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW41	100 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW42	98 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW44	101 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW44	103 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW45	103 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW45	103 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW46	105 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW47	107 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW48	105 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW49	103 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW50	106 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW51	108 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW52	104 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW53	103 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW54	108 =	<input type="checkbox"/>		<input type="checkbox"/>	

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW55	104 =	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	111				
Minimum:	97				
Average:	103.85				
<b>ALUMINUM</b>					
MW02	809 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW03	125 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW07	251 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW08	3380 =	<input type="checkbox"/>	0 NA	<input checked="" type="checkbox"/>	1798 2XMEAN
MW09	197 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW13	6930 =	<input type="checkbox"/>	0 NA	<input checked="" type="checkbox"/>	1798 2XMEAN
MW14	413 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW14	367 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW15	624 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW16	315 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW19	10200 =	<input type="checkbox"/>	0 NA	<input checked="" type="checkbox"/>	1798 2XMEAN
MW20	90.6 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW21	14.5 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW23	27.4 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW24	204 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW25	54.8 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW29	306 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW32	35.4 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW33	366 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW34	24.1 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW36	2500 =	<input type="checkbox"/>	0 NA	<input checked="" type="checkbox"/>	1798 2XMEAN
MW36	2430 =	<input type="checkbox"/>	0 NA	<input checked="" type="checkbox"/>	1798 2XMEAN
MW37	41.6 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW38	251 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW38	285 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW39	311 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW39	282 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW45	591 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW46	48.5 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW48	16.9 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW49	44.5 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW50	75.9 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW52	18.8 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
MW55	136 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	1798 2XMEAN
Maximum:	10200				
Minimum:	14.5				
Average:	934.29				

## ANTIMONY

MW13	5 TR	<input type="checkbox"/>		<input type="checkbox"/>	
MW14	1.8 TR	<input type="checkbox"/>		<input type="checkbox"/>	
MW19	4.2 TR	<input type="checkbox"/>		<input type="checkbox"/>	
MW23	1.7 TR	<input type="checkbox"/>		<input type="checkbox"/>	
MW32	1.8 TR	<input type="checkbox"/>		<input type="checkbox"/>	
MW38	1.7 TR	<input type="checkbox"/>		<input type="checkbox"/>	
MW48	1.8 TR	<input type="checkbox"/>		<input type="checkbox"/>	
MW52	2.2 TR	<input type="checkbox"/>		<input type="checkbox"/>	
MW55	1.7 TR	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	5				
Minimum:	1.7				
Average:	2.43				

## ARSENIC

MW13	7 =	<input checked="" type="checkbox"/>	0.05 C	<input type="checkbox"/>	0
MW19	6.8 =	<input checked="" type="checkbox"/>	0.05 C	<input type="checkbox"/>	0
MW20	2.3 TR	<input checked="" type="checkbox"/>	0.05 C	<input type="checkbox"/>	0
MW38	1.6 TR	<input checked="" type="checkbox"/>	0.05 C	<input type="checkbox"/>	0

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
Maximum:	7				
Minimum:	1.6				
Average:	4.43				

**BARIUM**

MW02	71.2 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW03	108 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW04	41.3 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW05	52.3 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW06	199 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW07	63.6 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW08	62.5 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW09	56.7 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW10	77.9 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW11	59.1 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW12	50.4 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW13	85.2 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW14	83 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW14	84 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW15	65.8 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW16	61.8 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW19	139 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW20	69.4 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW21	49.6 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW22	90.3 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW23	64.2 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW24	31.2 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW25	88.1 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW26	163 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW28	41.6 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW29	101 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN
MW30	126 TR	<input type="checkbox"/>	255.5	S	<input type="checkbox"/>	223.8	2XMEAN

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW31	119 TR	<input type="checkbox"/>	255.5 S	<input type="checkbox"/>	223.8 2XMEAN
MW32	157 TR	<input type="checkbox"/>	255.5 S	<input type="checkbox"/>	223.8 2XMEAN
MW33	45.6 TR	<input type="checkbox"/>	255.5 S	<input type="checkbox"/>	223.8 2XMEAN
MW34	115 TR	<input type="checkbox"/>	255.5 S	<input type="checkbox"/>	223.8 2XMEAN
MW35	117 TR	<input type="checkbox"/>	255.5 S	<input type="checkbox"/>	223.8 2XMEAN
MW35	116 TR	<input type="checkbox"/>	255.5 S	<input type="checkbox"/>	223.8 2XMEAN
MW36	306 =	<input checked="" type="checkbox"/>	255.5 S	<input checked="" type="checkbox"/>	223.8 2XMEAN
MW36	309 =	<input checked="" type="checkbox"/>	255.5 S	<input checked="" type="checkbox"/>	223.8 2XMEAN
MW37	588 =	<input checked="" type="checkbox"/>	255.5 S	<input checked="" type="checkbox"/>	223.8 2XMEAN
MW38	63 TR	<input type="checkbox"/>	255.5 S	<input type="checkbox"/>	223.8 2XMEAN
MW38	59.1 TR	<input type="checkbox"/>	255.5 S	<input type="checkbox"/>	223.8 2XMEAN
MW39	57.5 TR	<input type="checkbox"/>	255.5 S	<input type="checkbox"/>	223.8 2XMEAN
MW39	59.4 TR	<input type="checkbox"/>	255.5 S	<input type="checkbox"/>	223.8 2XMEAN
MW45	50 TR	<input type="checkbox"/>	255.5 S	<input type="checkbox"/>	223.8 2XMEAN
MW46	79.6 TR	<input type="checkbox"/>	255.5 S	<input type="checkbox"/>	223.8 2XMEAN
MW47	84.6 TR	<input type="checkbox"/>	255.5 S	<input type="checkbox"/>	223.8 2XMEAN
MW48	83.9 TR	<input type="checkbox"/>	255.5 S	<input type="checkbox"/>	223.8 2XMEAN
MW49	75.2 TR	<input type="checkbox"/>	255.5 S	<input type="checkbox"/>	223.8 2XMEAN
MW50	219 =	<input type="checkbox"/>	255.5 S	<input type="checkbox"/>	223.8 2XMEAN
MW51	82.2 TR	<input type="checkbox"/>	255.5 S	<input type="checkbox"/>	223.8 2XMEAN
MW52	173 TR	<input type="checkbox"/>	255.5 S	<input type="checkbox"/>	223.8 2XMEAN
MW53	64.8 TR	<input type="checkbox"/>	255.5 S	<input type="checkbox"/>	223.8 2XMEAN
MW54	87 TR	<input type="checkbox"/>	255.5 S	<input type="checkbox"/>	223.8 2XMEAN
MW55	72.6 TR	<input type="checkbox"/>	255.5 S	<input type="checkbox"/>	223.8 2XMEAN
Maximum:	588				
Minimum:	31.2				
Average:	105.27				

## BENZENE

MW36	1 J	<input type="checkbox"/>	<input type="checkbox"/>
------	-----	--------------------------	--------------------------

Station ID	VALUE	Q	PRG (ug/kg)	PRG Basis	Background	Basis
Maximum:	1					
Minimum:	1					
Average:	1.00					
<b>BENZO(a)ANTHRACENE</b>						
MW13	1	J	<input type="checkbox"/>		<input type="checkbox"/>	
MW13	2	J	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	2					
Minimum:	1					
Average:	1.50					
<b>BENZO(a)PYRENE</b>						
MW13	1	J	<input type="checkbox"/>		<input type="checkbox"/>	
MW13	2	J	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	2					
Minimum:	1					
Average:	1.50					
<b>BENZO(b)FLUORANTHENE</b>						
MW13	2	J	<input type="checkbox"/>		<input type="checkbox"/>	
MW13	3	J	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	3					
Minimum:	2					
Average:	2.50					
<b>BENZO(k)FLUORANTHENE</b>						
MW13	1	J	<input type="checkbox"/>		<input type="checkbox"/>	
MW13	3	J	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	3					
Minimum:	1					
Average:	2.00					

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
------------	---------	-------------	-----------	------------	-------

**BENZYL BUTYL PHTHALATE**

MW37	1 J	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	1				
Minimum:	1				
Average:	1.00				

**BERYLLIUM**

MW16	0.03 TR	<input checked="" type="checkbox"/>	0.004	C	<input type="checkbox"/>	0.6	2XMEAN
MW28	0.02 TR	<input checked="" type="checkbox"/>	0.004	C	<input type="checkbox"/>	0.6	2XMEAN
MW30	0.03 TR	<input checked="" type="checkbox"/>	0.004	C	<input type="checkbox"/>	0.6	2XMEAN
MW31	0.04 TR	<input checked="" type="checkbox"/>	0.004	C	<input type="checkbox"/>	0.6	2XMEAN
Maximum:	0.04						
Minimum:	0.02						
Average:	0.03						

**BICARBONATE**

MW32	36 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW37	167 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW55	50 =	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	167				
Minimum:	36				
Average:	84.33				

**bis(2-ETHYLHEXYL) PHTHALATE**

MW07	2 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW13	1 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW20	1 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW21	4 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW24	3 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW25	8 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW35	3 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW35	3 J	<input type="checkbox"/>		<input type="checkbox"/>	

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW38	19 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW44	2 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW54	2 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW55	3 J	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	19				
Minimum:	1				
Average:	4.25				

## CADMIUM

MW02	0.22 TR	<input type="checkbox"/>	1.83	S	<input type="checkbox"/>	0
MW06	0.46 TR	<input type="checkbox"/>	1.83	S	<input type="checkbox"/>	0
MW08	0.7 TR	<input type="checkbox"/>	1.83	S	<input type="checkbox"/>	0
MW09	1.8 TR	<input type="checkbox"/>	1.83	S	<input type="checkbox"/>	0
MW10	0.48 TR	<input type="checkbox"/>	1.83	S	<input type="checkbox"/>	0
MW11	0.74 TR	<input type="checkbox"/>	1.83	S	<input type="checkbox"/>	0
MW13	3.9 TR	<input checked="" type="checkbox"/>	1.83	S	<input type="checkbox"/>	0
MW14	0.21 TR	<input type="checkbox"/>	1.83	S	<input type="checkbox"/>	0
MW14	1.2 TR	<input type="checkbox"/>	1.83	S	<input type="checkbox"/>	0
MW15	0.27 TR	<input type="checkbox"/>	1.83	S	<input type="checkbox"/>	0
MW16	0.48 TR	<input type="checkbox"/>	1.83	S	<input type="checkbox"/>	0
MW19	3.6 TR	<input checked="" type="checkbox"/>	1.83	S	<input type="checkbox"/>	0
MW20	0.36 TR	<input type="checkbox"/>	1.83	S	<input type="checkbox"/>	0
MW21	0.84 TR	<input type="checkbox"/>	1.83	S	<input type="checkbox"/>	0
MW22	0.3 TR	<input type="checkbox"/>	1.83	S	<input type="checkbox"/>	0
MW28	0.14 TR	<input type="checkbox"/>	1.83	S	<input type="checkbox"/>	0
MW30	0.14 TR	<input type="checkbox"/>	1.83	S	<input type="checkbox"/>	0
MW32	0.2 TR	<input type="checkbox"/>	1.83	S	<input type="checkbox"/>	0
MW36	1.7 TR	<input type="checkbox"/>	1.83	S	<input type="checkbox"/>	0
MW36	1.5 TR	<input type="checkbox"/>	1.83	S	<input type="checkbox"/>	0
MW37	0.19 TR	<input type="checkbox"/>	1.83	S	<input type="checkbox"/>	0
MW38	12 =	<input checked="" type="checkbox"/>	1.83	S	<input type="checkbox"/>	0
MW38	11.2 =	<input checked="" type="checkbox"/>	1.83	S	<input type="checkbox"/>	0

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW39	1 TR	<input type="checkbox"/>	1.83 S	<input type="checkbox"/>	0
MW39	1.1 TR	<input type="checkbox"/>	1.83 S	<input type="checkbox"/>	0
MW41	2.7 TR	<input checked="" type="checkbox"/>	1.83 S	<input type="checkbox"/>	0
MW42	1.7 TR	<input type="checkbox"/>	1.83 S	<input type="checkbox"/>	0
MW42	2.9 TR	<input checked="" type="checkbox"/>	1.83 S	<input type="checkbox"/>	0
MW44	0.84 TR	<input type="checkbox"/>	1.83 S	<input type="checkbox"/>	0
MW45	0.41 TR	<input type="checkbox"/>	1.83 S	<input type="checkbox"/>	0
Maximum:	12				
Minimum:	0.14				
Average:	1.78				

## CALCIUM

MW02	37300 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875	2XMEAN
MW03	22600 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875	2XMEAN
MW04	10400 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875	2XMEAN
MW05	14900 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875	2XMEAN
MW06	95900 =	<input type="checkbox"/>	0 NA	<input checked="" type="checkbox"/>	52875	2XMEAN
MW07	17800 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875	2XMEAN
MW08	15000 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875	2XMEAN
MW09	19600 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875	2XMEAN
MW10	18500 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875	2XMEAN
MW11	13100 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875	2XMEAN
MW12	15200 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875	2XMEAN
MW13	15100 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875	2XMEAN
MW14	21400 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875	2XMEAN
MW14	21700 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875	2XMEAN
MW15	12100 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875	2XMEAN
MW16	34900 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875	2XMEAN
MW19	10700 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875	2XMEAN
MW20	14800 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875	2XMEAN
MW21	13500 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875	2XMEAN
MW22	22400 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875	2XMEAN

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW23	22400 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW24	7580 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW25	17400 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW26	18600 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW28	10400 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW29	26300 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW30	24600 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW31	24300 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW32	76500 =	<input type="checkbox"/>	0 NA	<input checked="" type="checkbox"/>	52875 2XMEAN
MW33	7800 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW34	11400 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW35	14700 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW35	14700 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW36	34500 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW36	35300 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW37	31900 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW38	15900 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW38	15800 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW39	19500 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW39	20400 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW45	23900 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW46	16600 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW47	20600 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW48	15400 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW49	12900 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW50	46100 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW51	20900 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW52	48300 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW53	31400 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW54	12400 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN
MW55	10600 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	52875 2XMEAN

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
Maximum:	95900				
Minimum:	7580				
Average:	22666.27				

**CARBON DISULFIDE**

MW08	1 J	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	1				
Minimum:	1				
Average:	1.00				

**CARBON TETRACHLORIDE**

MW06	15 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW09	3 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW15	3 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW25	1 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW26	4 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW31	3 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW32	20 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW44	5 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW44	4 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW54	2 J	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	20				
Minimum:	1				
Average:	6.00				

**CHLORINE (AS CL)**

MW03	19.9 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW08	17.6 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW10	12 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW13	10.2 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW14	7.4 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW21	13.5 =	<input type="checkbox"/>		<input type="checkbox"/>	

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW22	38.7 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW23	20.4 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW30	31.3 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW31	17.7 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW32	199 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW34	11.4 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW35	14 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW37	6.6 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW40	38.1 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW47	31.3 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW48	15.4 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW55	13.2 =	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	199				
Minimum:	6.6				
Average:	28.76				

**CHLOROFORM**

MW03	9 J	<input checked="" type="checkbox"/>	0.19	C	<input type="checkbox"/>	0
MW05	3 J	<input checked="" type="checkbox"/>	0.19	C	<input type="checkbox"/>	0
MW06	6 J	<input checked="" type="checkbox"/>	0.19	C	<input type="checkbox"/>	0
MW07	2 J	<input checked="" type="checkbox"/>	0.19	C	<input type="checkbox"/>	0
MW09	2 J	<input checked="" type="checkbox"/>	0.19	C	<input type="checkbox"/>	0
MW10	1 J	<input checked="" type="checkbox"/>	0.19	C	<input type="checkbox"/>	0
MW11	2 J	<input checked="" type="checkbox"/>	0.19	C	<input type="checkbox"/>	0
MW15	13 =	<input checked="" type="checkbox"/>	0.19	C	<input type="checkbox"/>	0
MW26	2 J	<input checked="" type="checkbox"/>	0.19	C	<input type="checkbox"/>	0
MW31	21 J	<input checked="" type="checkbox"/>	0.19	C	<input type="checkbox"/>	0
MW32	7 J	<input checked="" type="checkbox"/>	0.19	C	<input type="checkbox"/>	0
MW44	5 J	<input checked="" type="checkbox"/>	0.19	C	<input type="checkbox"/>	0
MW44	4 J	<input checked="" type="checkbox"/>	0.19	C	<input type="checkbox"/>	0
MW54	1 J	<input checked="" type="checkbox"/>	0.19	C	<input type="checkbox"/>	0

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
Maximum:	21				
Minimum:	1				
Average:	5.57				
<b>CHROMIUM, TOTAL</b>					
MW04	2.6 TR	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 54.4 2XMEAN
MW05	4.1 TR	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 54.4 2XMEAN
MW08	7.8 TR	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 54.4 2XMEAN
MW09	2.2 TR	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 54.4 2XMEAN
MW10	6.1 TR	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 54.4 2XMEAN
MW11	3.4 TR	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 54.4 2XMEAN
MW12	7.4 TR	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 54.4 2XMEAN
MW13	11.6 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 54.4 2XMEAN
MW14	10.2 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 54.4 2XMEAN
MW14	10.9 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 54.4 2XMEAN
MW15	6.4 TR	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 54.4 2XMEAN
MW19	23.5 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 54.4 2XMEAN
MW20	2.3 TR	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 54.4 2XMEAN
MW22	3.2 TR	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 54.4 2XMEAN
MW23	2.6 TR	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 54.4 2XMEAN
MW25	1.3 TR	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 54.4 2XMEAN
MW26	2.8 TR	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 54.4 2XMEAN
MW29	3.7 TR	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 54.4 2XMEAN
MW33	4 TR	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 54.4 2XMEAN
MW36	57.5 =	<input type="checkbox"/>	0	NA	<input checked="" type="checkbox"/> 54.4 2XMEAN
MW36	66.6 =	<input type="checkbox"/>	0	NA	<input checked="" type="checkbox"/> 54.4 2XMEAN
MW38	18.2 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 54.4 2XMEAN
MW38	14.6 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 54.4 2XMEAN
MW40	3 TR	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 54.4 2XMEAN
MW41	3.6 TR	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 54.4 2XMEAN
MW42	3.2 TR	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 54.4 2XMEAN
MW46	1.4 TR	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 54.4 2XMEAN

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW47	3.5 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	54.4 2XMEAN
MW48	2.2 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	54.4 2XMEAN
MW49	2.7 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	54.4 2XMEAN
MW50	3.2 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	54.4 2XMEAN
MW51	2.6 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	54.4 2XMEAN
MW53	1.3 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	54.4 2XMEAN
MW54	2.9 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	54.4 2XMEAN
MW55	2.8 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	54.4 2XMEAN

Maximum: 66.6

Minimum: 1.3

Average: 8.73

#### CHRYSENE

MW13	2 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW13	3 J	<input type="checkbox"/>		<input type="checkbox"/>	

Maximum: 3

Minimum: 2

Average: 2.50

#### COBALT

MW06	6.5 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	24.8 2XMEAN
MW09	8.2 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	24.8 2XMEAN
MW11	9 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	24.8 2XMEAN
MW12	12.2 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	24.8 2XMEAN
MW13	3.1 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	24.8 2XMEAN
MW14	3.4 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	24.8 2XMEAN
MW14	3.8 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	24.8 2XMEAN
MW15	5.3 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	24.8 2XMEAN
MW19	2 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	24.8 2XMEAN
MW20	1.4 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	24.8 2XMEAN
MW23	16.9 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	24.8 2XMEAN
MW29	8.1 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	24.8 2XMEAN

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW33	1.9 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	24.8 2XMEAN
MW48	3.4 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	24.8 2XMEAN
MW49	2.4 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	24.8 2XMEAN
MW53	9.8 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	24.8 2XMEAN
MW55	0.93 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	24.8 2XMEAN
<b>Maximum:</b>	<b>16.9</b>				
<b>Minimum:</b>	<b>0.93</b>				
<b>Average:</b>	<b>5.78</b>				

**COPPER**

MW09	1.7 TR	<input type="checkbox"/>	135.05 S	<input type="checkbox"/>	162.6 2XMEAN
MW13	25.8 =	<input type="checkbox"/>	135.05 S	<input type="checkbox"/>	162.6 2XMEAN
MW14	2 TR	<input type="checkbox"/>	135.05 S	<input type="checkbox"/>	162.6 2XMEAN
MW14	3.1 TR	<input type="checkbox"/>	135.05 S	<input type="checkbox"/>	162.6 2XMEAN
MW19	17.9 TR	<input type="checkbox"/>	135.05 S	<input type="checkbox"/>	162.6 2XMEAN
MW33	7.4 TR	<input type="checkbox"/>	135.05 S	<input type="checkbox"/>	162.6 2XMEAN
MW38	21.4 TR	<input type="checkbox"/>	135.05 S	<input type="checkbox"/>	162.6 2XMEAN
MW38	3.5 TR	<input type="checkbox"/>	135.05 S	<input type="checkbox"/>	162.6 2XMEAN
MW41	18.1 TR	<input type="checkbox"/>	135.05 S	<input type="checkbox"/>	162.6 2XMEAN
MW50	6 TR	<input type="checkbox"/>	135.05 S	<input type="checkbox"/>	162.6 2XMEAN
MW53	1.1 TR	<input type="checkbox"/>	135.05 S	<input type="checkbox"/>	162.6 2XMEAN
<b>Maximum:</b>	<b>25.8</b>				
<b>Minimum:</b>	<b>1.1</b>				
<b>Average:</b>	<b>9.82</b>				

**DI-n-BUTYLPHTHALATE**

MW05	2 J	<input type="checkbox"/>		<input type="checkbox"/>
MW06	2 J	<input type="checkbox"/>		<input type="checkbox"/>
MW08	4 J	<input type="checkbox"/>		<input type="checkbox"/>
MW16	3 J	<input type="checkbox"/>		<input type="checkbox"/>
MW22	2 J	<input type="checkbox"/>		<input type="checkbox"/>
MW28	3 J	<input type="checkbox"/>		<input type="checkbox"/>

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW29	1 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW30	4 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW35	1 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW35	2 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW36	3 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW37	2 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW48	10 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW49	10 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW54	1 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW54	1 J	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	10				
Minimum:	1				
Average:	3.19				

**DIBROMOFLUOROMETHANE**

MW02	105 =	<input type="checkbox"/>	<input type="checkbox"/>
MW02	103 =	<input type="checkbox"/>	<input type="checkbox"/>
MW03	107 =	<input type="checkbox"/>	<input type="checkbox"/>
MW04	96 =	<input type="checkbox"/>	<input type="checkbox"/>
MW05	99 =	<input type="checkbox"/>	<input type="checkbox"/>
MW06	97 =	<input type="checkbox"/>	<input type="checkbox"/>
MW07	94 =	<input type="checkbox"/>	<input type="checkbox"/>
MW08	97 =	<input type="checkbox"/>	<input type="checkbox"/>
MW09	101 =	<input type="checkbox"/>	<input type="checkbox"/>
MW10	101 =	<input type="checkbox"/>	<input type="checkbox"/>
MW11	97 =	<input type="checkbox"/>	<input type="checkbox"/>
MW12	99 =	<input type="checkbox"/>	<input type="checkbox"/>
MW13	104 =	<input type="checkbox"/>	<input type="checkbox"/>
MW14	103 =	<input type="checkbox"/>	<input type="checkbox"/>
MW15	99 =	<input type="checkbox"/>	<input type="checkbox"/>
MW16	102 =	<input type="checkbox"/>	<input type="checkbox"/>
MW19	102 =	<input type="checkbox"/>	<input type="checkbox"/>

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW20	106 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW21	103 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW22	95 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW23	99 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW24	95 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW25	97 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW26	96 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW29	96 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW30	101 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW31	101 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW32	101 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW33	102 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW34	107 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW34	106 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW35	97 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW35	99 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW36	105 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW37	105 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW38	100 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW39	105 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW40	97 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW41	94 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW42	101 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW44	102 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW44	103 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW45	102 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW45	104 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW46	104 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW47	99 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW48	104 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW49	102 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW50	103 =	<input type="checkbox"/>		<input type="checkbox"/>	

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW51	98 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW52	102 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW53	100 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW54	99 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW55	105 =	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	107				
Minimum:	94				
Average:	100.76				

**FLUORANTHENE**

MW13	3 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW13	5 J	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	5				
Minimum:	3				
Average:	4.00				

**FLUORIDE**

MW32	0.08 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW37	0.08 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW55	0.1 =	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	0.1				
Minimum:	0.08				
Average:	0.09				

**HARDNESS (AS CAC03)**

MW32	290 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW37	180 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW55	170 =	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	290				
Minimum:	170				
Average:	213.33				

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
IRON					
MW02	1300 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW03	694 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW04	706 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW06	340 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW07	610 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW08	4170 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW09	289 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW10	591 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW13	10400 =	<input type="checkbox"/>	0	NA	<input checked="" type="checkbox"/> 6728 2XMEAN
MW14	568 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW14	558 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW15	2560 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW16	430 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW19	18300 =	<input type="checkbox"/>	0	NA	<input checked="" type="checkbox"/> 6728 2XMEAN
MW20	97.1 TR	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW21	139 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW22	806 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW24	738 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW25	220 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW26	1180 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW28	393 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW29	590 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW30	267 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW31	204 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW33	1640 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW36	3630 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW36	3690 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW37	4150 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW38	601 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN
MW38	572 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 6728 2XMEAN

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW39	598 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	6728 2XMEAN
MW39	550 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	6728 2XMEAN
MW45	2820 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	6728 2XMEAN
MW46	287 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	6728 2XMEAN
MW49	66.7 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	6728 2XMEAN
MW50	283 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	6728 2XMEAN
MW53	20.2 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	6728 2XMEAN
MW55	197 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	6728 2XMEAN
<b>Maximum:</b>	<b>18300</b>				
<b>Minimum:</b>	<b>20.2</b>				
<b>Average:</b>	<b>1717.24</b>				

**LEAD**

MW13	41.6 =	<input checked="" type="checkbox"/>	15 MCL	<input checked="" type="checkbox"/>	9.4 2XMEAN
MW14	4.3 =	<input type="checkbox"/>	15 MCL	<input type="checkbox"/>	9.4 2XMEAN
MW14	4.4 =	<input type="checkbox"/>	15 MCL	<input type="checkbox"/>	9.4 2XMEAN
MW19	8 =	<input type="checkbox"/>	15 MCL	<input type="checkbox"/>	9.4 2XMEAN
MW23	2.9 TR	<input type="checkbox"/>	15 MCL	<input type="checkbox"/>	9.4 2XMEAN
MW36	4 =	<input type="checkbox"/>	15 MCL	<input type="checkbox"/>	9.4 2XMEAN
MW36	4.8 =	<input type="checkbox"/>	15 MCL	<input type="checkbox"/>	9.4 2XMEAN
MW38	1.3 TR	<input type="checkbox"/>	15 MCL	<input type="checkbox"/>	9.4 2XMEAN
MW39	1.4 TR	<input type="checkbox"/>	15 MCL	<input type="checkbox"/>	9.4 2XMEAN
MW39	1.3 TR	<input type="checkbox"/>	15 MCL	<input type="checkbox"/>	9.4 2XMEAN
MW41	1.4 TR	<input type="checkbox"/>	15 MCL	<input type="checkbox"/>	9.4 2XMEAN
<b>Maximum:</b>	<b>41.6</b>				
<b>Minimum:</b>	<b>1.3</b>				
<b>Average:</b>	<b>6.85</b>				

**MAGNESIUM**

MW02	18400 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW03	12000 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW04	5520 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW05	7980 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW06	17700 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW07	8710 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW08	6800 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW09	10100 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW10	9420 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW11	6830 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW12	8220 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW13	7490 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW14	6980 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW14	7070 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW15	5930 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW16	15200 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW19	4980 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW20	7650 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW21	7440 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW22	11900 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW23	11000 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW24	3630 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW25	9270 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW26	9330 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW28	5500 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW29	12600 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW30	13600 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW31	12900 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW32	18200 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW33	3880 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW34	5550 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW35	7460 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW35	7420 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW36	5840 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW36	5940 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW37	13100 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW38	5440 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW38	5160 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW39	7880 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW39	8210 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW45	13100 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW46	8590 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW47	10400 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW48	8180 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW49	6400 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW50	22200 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW51	10000 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW52	24500 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW53	16900 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW54	6400 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN
MW55	4710 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	26045 2XMEAN

Maximum: 24500

Minimum: 3630

Average: 9600.20

#### MANGANESE

MW02	28.7 =	<input checked="" type="checkbox"/>	18.25 S	<input type="checkbox"/>	560 2XMEAN
MW03	1.9 TR	<input type="checkbox"/>	18.25 S	<input type="checkbox"/>	560 2XMEAN
MW04	2.7 TR	<input type="checkbox"/>	18.25 S	<input type="checkbox"/>	560 2XMEAN
MW05	2.1 TR	<input type="checkbox"/>	18.25 S	<input type="checkbox"/>	560 2XMEAN
MW06	3060 =	<input checked="" type="checkbox"/>	18.25 S	<input checked="" type="checkbox"/>	560 2XMEAN
MW07	18 =	<input type="checkbox"/>	18.25 S	<input type="checkbox"/>	560 2XMEAN
MW08	52.8 =	<input checked="" type="checkbox"/>	18.25 S	<input type="checkbox"/>	560 2XMEAN
MW09	11.8 TR	<input type="checkbox"/>	18.25 S	<input type="checkbox"/>	560 2XMEAN
MW10	9.7 TR	<input type="checkbox"/>	18.25 S	<input type="checkbox"/>	560 2XMEAN
MW11	16 =	<input type="checkbox"/>	18.25 S	<input type="checkbox"/>	560 2XMEAN
MW12	8.5 TR	<input type="checkbox"/>	18.25 S	<input type="checkbox"/>	560 2XMEAN

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW13	204 =	<input checked="" type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW14	28.8 =	<input checked="" type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW14	29.7 =	<input checked="" type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW15	15.4 =	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW16	18.8 =	<input checked="" type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW19	135 =	<input checked="" type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW20	2.5 TR	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW21	1.2 TR	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW22	2.5 TR	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW23	1.8 TR	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW24	5.5 TR	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW25	10.4 TR	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW26	18.6 =	<input checked="" type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW28	14.8 TR	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW29	2.9 TR	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW30	0.99 TR	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW31	1.2 TR	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW32	1860 =	<input checked="" type="checkbox"/> 18.25	S	<input checked="" type="checkbox"/> 560	2XMEAN
MW33	16.5 =	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW34	0.92 TR	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW35	1.7 TR	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW35	2.3 TR	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW36	134 =	<input checked="" type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW36	135 =	<input checked="" type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW37	160 =	<input checked="" type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW38	13.8 TR	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW38	12.1 TR	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW39	77.8 =	<input checked="" type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW39	78.5 =	<input checked="" type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW45	9.9 TR	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW46	2.3 TR	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW47	5.9 TR	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW48	0.91 TR	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW49	1.3 TR	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW50	16.3 =	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW51	0.92 TR	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW52	1.5 TR	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW53	9.6 TR	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW54	1.7 TR	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
MW55	5.2 TR	<input type="checkbox"/> 18.25	S	<input type="checkbox"/> 560	2XMEAN
Maximum:	3060				
Minimum:	0.91				
Average:	122.64				

## MERCURY

MW06	0.25 =	<input type="checkbox"/> 1.1	S	<input type="checkbox"/> 0	
MW32	0.21 =	<input type="checkbox"/> 1.1	S	<input type="checkbox"/> 0	
MW36	0.12 TR	<input type="checkbox"/> 1.1	S	<input type="checkbox"/> 0	
MW36	0.13 TR	<input type="checkbox"/> 1.1	S	<input type="checkbox"/> 0	
Maximum:	0.25				
Minimum:	0.12				
Average:	0.18				

## METHANE

MW22	2.2 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW23	1.13 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW40	3.47 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW47	1.01 =	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	3.47				
Minimum:	1.01				
Average:	1.95				

## METHYL ETHYL KETONE (2-Butanone)

MW10	2 J	<input type="checkbox"/>		<input type="checkbox"/>	
------	-----	--------------------------	--	--------------------------	--

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW25	4 J	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	4				
Minimum:	2				
Average:	3.00				

**METHYLENE CHLORIDE (Dichloromethane)**

MW54	2 J	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	2				
Minimum:	2				
Average:	2.00				

**NICKEL**

MW13	4.1 TR	<input type="checkbox"/>	13.4	S	<input type="checkbox"/>	31.4	2XMEAN
MW14	1.1 TR	<input type="checkbox"/>	13.4	S	<input type="checkbox"/>	31.4	2XMEAN
MW19	7.1 TR	<input type="checkbox"/>	13.4	S	<input type="checkbox"/>	31.4	2XMEAN
MW36	39.6 TR	<input checked="" type="checkbox"/>	13.4	S	<input checked="" type="checkbox"/>	31.4	2XMEAN
MW36	47.8 =	<input checked="" type="checkbox"/>	13.4	S	<input checked="" type="checkbox"/>	31.4	2XMEAN
MW38	11.2 TR	<input type="checkbox"/>	13.4	S	<input type="checkbox"/>	31.4	2XMEAN
MW38	7.8 TR	<input type="checkbox"/>	13.4	S	<input type="checkbox"/>	31.4	2XMEAN
Maximum:	47.8						
Minimum:	1.1						
Average:	16.96						

**NITROBENZENE-d5**

MW05	69 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW06	79 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW06	103 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW07	97 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW08	83 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW13	80 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW13	65 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW14	85 =	<input type="checkbox"/>		<input type="checkbox"/>	

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW16	57 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW20	77 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW20	78 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW21	62 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW22	76 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW23	73 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW24	93 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW25	74 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW28	52 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW29	80 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW30	62 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW31	56 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW34	72 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW35	81 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW35	78 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW36	74 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW37	61 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW38	77 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW39	69 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW44	76 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW45	75 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW46	89 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW47	62 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW48	78 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW48	66 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW49	79 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW49	77 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW50	77 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW51	74 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW52	72 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW53	74 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW54	69 =	<input type="checkbox"/>		<input type="checkbox"/>	

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW54	69 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW55	76 =	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	103				
Minimum:	52				
Average:	74.43				
<b>NITROGEN, AMMONIA (AS N)</b>					
MW40	1.7 =	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	1.7				
Minimum:	1.7				
Average:	1.70				
<b>NITROGEN, NITRATE (AS N)</b>					
MW32	4.05 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW55	2.9 =	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	4.05				
Minimum:	2.9				
Average:	3.48				
<b>NITROGEN, NITRATE-NITRITE</b>					
MW03	3.04 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW08	1.81 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW10	2.6 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW13	3.39 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW14	4.81 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW21	3.45 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW22	8.41 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW23	1.88 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW30	2.15 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW31	2.81 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW32	4.04 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW34	4.79 =	<input type="checkbox"/>		<input type="checkbox"/>	

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW35	4.6 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW40	1.45 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW47	2.07 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW48	5.07 =	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	8.41				
Minimum:	1.45				
Average:	3.52				
<b>PHENANTHRENE</b>					
MW13	1 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW13	2 J	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	2				
Minimum:	1				
Average:	1.50				
<b>PHENOL-d5</b>					
MW05	58 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW06	32 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW06	3 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW07	77 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW08	72 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW13	66 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW13	61 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW14	73 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW16	33 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW20	73 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW20	77 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW21	60 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW22	70 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW23	64 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW24	81 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW25	62 =	<input type="checkbox"/>		<input type="checkbox"/>	

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW28	31 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW29	72 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW30	37 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW31	33 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW34	66 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW35	60 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW35	65 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW36	26 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW37	33 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW38	67 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW39	62 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW44	64 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW45	64 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW46	68 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW47	58 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW48	57 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW48	24 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW49	34 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW49	64 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW50	68 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW51	69 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW52	71 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW53	64 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW54	61 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW54	63 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW55	71 =	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	81				
Minimum:	3				
Average:	57.48				
<b>POTASSIUM</b>					
MW03	1250 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	3495.4 2XMEAN

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW09	1010 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	3495.4 2XMEAN
MW13	2620 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	3495.4 2XMEAN
MW14	1480 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	3495.4 2XMEAN
MW14	1360 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	3495.4 2XMEAN
MW16	1600 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	3495.4 2XMEAN
MW19	3920 TR	<input type="checkbox"/>	0 NA	<input checked="" type="checkbox"/>	3495.4 2XMEAN
MW22	1100 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	3495.4 2XMEAN
MW23	1050 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	3495.4 2XMEAN
MW24	915 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	3495.4 2XMEAN
MW25	1960 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	3495.4 2XMEAN
MW26	1540 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	3495.4 2XMEAN
MW29	1210 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	3495.4 2XMEAN
MW30	1210 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	3495.4 2XMEAN
MW31	1080 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	3495.4 2XMEAN
MW32	1340 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	3495.4 2XMEAN
MW36	4760 TR	<input type="checkbox"/>	0 NA	<input checked="" type="checkbox"/>	3495.4 2XMEAN
MW36	5170 =	<input type="checkbox"/>	0 NA	<input checked="" type="checkbox"/>	3495.4 2XMEAN
MW37	5470 =	<input type="checkbox"/>	0 NA	<input checked="" type="checkbox"/>	3495.4 2XMEAN
MW39	1480 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	3495.4 2XMEAN
MW39	1690 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	3495.4 2XMEAN
MW45	1070 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	3495.4 2XMEAN
MW46	1330 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	3495.4 2XMEAN
MW48	1040 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	3495.4 2XMEAN
MW49	917 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	3495.4 2XMEAN
MW50	3820 TR	<input type="checkbox"/>	0 NA	<input checked="" type="checkbox"/>	3495.4 2XMEAN
MW52	3340 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	3495.4 2XMEAN
MW53	2350 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	3495.4 2XMEAN
MW55	868 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	3495.4 2XMEAN

Maximum: 5470

Minimum: 868

Average: 1998.28

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
<b>PYRENE</b>					
MW13	2 J	<input type="checkbox"/>		<input type="checkbox"/>	
MW13	4 J	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	4				
Minimum:	2				
Average:	3.00				
<b>SELENIUM</b>					
MW12	2.2 TR	<input type="checkbox"/>	10	NA	<input type="checkbox"/> 5.8 2XMEAN
MW33	2.4 TR	<input type="checkbox"/>	10	NA	<input type="checkbox"/> 5.8 2XMEAN
Maximum:	2.4				
Minimum:	2.2				
Average:	2.30				
<b>SODIUM</b>					
MW02	18600 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 106650 2XMEAN
MW03	18200 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 106650 2XMEAN
MW04	20400 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 106650 2XMEAN
MW05	28300 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 106650 2XMEAN
MW06	19700 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 106650 2XMEAN
MW07	21100 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 106650 2XMEAN
MW08	25700 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 106650 2XMEAN
MW09	20300 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 106650 2XMEAN
MW10	18600 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 106650 2XMEAN
MW11	18500 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 106650 2XMEAN
MW12	16100 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 106650 2XMEAN
MW13	20700 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 106650 2XMEAN
MW14	12400 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 106650 2XMEAN
MW14	12500 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 106650 2XMEAN
MW15	12100 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 106650 2XMEAN
MW16	34100 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 106650 2XMEAN
MW19	9910 =	<input type="checkbox"/>	0	NA	<input type="checkbox"/> 106650 2XMEAN

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW20	15400 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW21	16100 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW22	33100 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW23	14400 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW24	11800 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW25	19600 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW26	28300 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW28	13400 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW29	29300 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW30	21000 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW31	24700 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW32	23300 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW33	17100 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW34	9630 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW35	16700 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW35	16800 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW36	4400 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW36	4470 TR	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW37	6890 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW38	12000 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW38	11700 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW39	20100 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW39	20900 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW45	13100 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW46	26300 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW47	20900 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW48	20200 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW49	12100 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW50	63600 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW51	16000 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW52	90400 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW53	32900 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW54	15600 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
MW55	19000 =	<input type="checkbox"/>	0 NA	<input type="checkbox"/>	106650 2XMEAN
Maximum:	90400				
Minimum:	4400				
Average:	20556.86				

**SULFATE (AS SO4)**

MW03	50.7 =	<input type="checkbox"/>		<input type="checkbox"/>
MW08	41.1 =	<input type="checkbox"/>		<input type="checkbox"/>
MW10	45.5 =	<input type="checkbox"/>		<input type="checkbox"/>
MW13	38.7 =	<input type="checkbox"/>		<input type="checkbox"/>
MW14	43.8 =	<input type="checkbox"/>		<input type="checkbox"/>
MW21	5.9 =	<input type="checkbox"/>		<input type="checkbox"/>
MW22	20.8 =	<input type="checkbox"/>		<input type="checkbox"/>
MW23	15.7 =	<input type="checkbox"/>		<input type="checkbox"/>
MW30	26.4 =	<input type="checkbox"/>		<input type="checkbox"/>
MW31	51.4 =	<input type="checkbox"/>		<input type="checkbox"/>
MW32	12.4 =	<input type="checkbox"/>		<input type="checkbox"/>
MW34	12.6 =	<input type="checkbox"/>		<input type="checkbox"/>
MW35	19.5 =	<input type="checkbox"/>		<input type="checkbox"/>
MW37	9.3 =	<input type="checkbox"/>		<input type="checkbox"/>
MW40	41.8 =	<input type="checkbox"/>		<input type="checkbox"/>
MW47	19.5 =	<input type="checkbox"/>		<input type="checkbox"/>
MW48	13.9 =	<input type="checkbox"/>		<input type="checkbox"/>
MW55	28.9 =	<input type="checkbox"/>		<input type="checkbox"/>
Maximum:	51.4			
Minimum:	5.9			
Average:	27.66			

**TERPHENYL-d14**

MW05	62 =	<input type="checkbox"/>		<input type="checkbox"/>
MW06	76 =	<input type="checkbox"/>		<input type="checkbox"/>

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW06	100 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW07	92 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW08	85 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW13	52 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW13	55 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW14	87 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW16	82 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW20	73 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW20	75 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW21	60 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW22	66 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW23	67 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW24	85 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW25	71 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW28	83 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW29	72 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW30	83 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW31	72 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW34	74 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW35	84 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW35	85 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW36	65 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW37	57 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW38	65 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW39	68 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW44	37 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW45	76 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW46	80 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW47	54 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW48	76 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW48	88 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW49	64 =	<input type="checkbox"/>		<input type="checkbox"/>	

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW49	81 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW50	75 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW51	69 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW52	66 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW53	73 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW54	64 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW54	62 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW55	71 =	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	100				
Minimum:	37				
Average:	72.19				

**TETRACHLOROETHYLENE (Tetrachloroethene or PCE)**

MW03	38 =	<input checked="" type="checkbox"/>	0.83	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW04	72 =	<input checked="" type="checkbox"/>	0.83	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW05	65 =	<input checked="" type="checkbox"/>	0.83	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW06	1 J	<input checked="" type="checkbox"/>	0.83	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW07	78 =	<input checked="" type="checkbox"/>	0.83	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW08	24 =	<input checked="" type="checkbox"/>	0.83	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW09	3 J	<input checked="" type="checkbox"/>	0.83	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW10	100 =	<input checked="" type="checkbox"/>	0.83	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW11	5 J	<input checked="" type="checkbox"/>	0.83	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW12	51 J	<input checked="" type="checkbox"/>	0.83	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW13	2 J	<input checked="" type="checkbox"/>	0.83	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW21	76 =	<input checked="" type="checkbox"/>	0.83	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW25	6 J	<input checked="" type="checkbox"/>	0.83	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW26	14 =	<input checked="" type="checkbox"/>	0.83	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW29	37 =	<input checked="" type="checkbox"/>	0.83	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW31	66 =	<input checked="" type="checkbox"/>	0.83	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW32	1 J	<input checked="" type="checkbox"/>	0.83	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW35	1 J	<input checked="" type="checkbox"/>	0.83	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW35	2 J	<input checked="" type="checkbox"/>	0.83	C	<input checked="" type="checkbox"/>	1	MAX_DET

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW39	8 J	<input checked="" type="checkbox"/> 0.83	C	<input checked="" type="checkbox"/> 1	MAX_DET
MW47	14 =	<input checked="" type="checkbox"/> 0.83	C	<input checked="" type="checkbox"/> 1	MAX_DET
MW51	4 J	<input checked="" type="checkbox"/> 0.83	C	<input checked="" type="checkbox"/> 1	MAX_DET
MW52	4 J	<input checked="" type="checkbox"/> 0.83	C	<input checked="" type="checkbox"/> 1	MAX_DET
MW54	2 J	<input checked="" type="checkbox"/> 0.83	C	<input checked="" type="checkbox"/> 1	MAX_DET

Maximum: 100

Minimum: 1

Average: 28.08

#### TOLUENE-D8

MW02	108 =	<input type="checkbox"/>	<input type="checkbox"/>
MW02	104 =	<input type="checkbox"/>	<input type="checkbox"/>
MW03	107 =	<input type="checkbox"/>	<input type="checkbox"/>
MW04	103 =	<input type="checkbox"/>	<input type="checkbox"/>
MW05	106 =	<input type="checkbox"/>	<input type="checkbox"/>
MW06	105 =	<input type="checkbox"/>	<input type="checkbox"/>
MW07	104 =	<input type="checkbox"/>	<input type="checkbox"/>
MW08	102 =	<input type="checkbox"/>	<input type="checkbox"/>
MW09	105 =	<input type="checkbox"/>	<input type="checkbox"/>
MW10	108 =	<input type="checkbox"/>	<input type="checkbox"/>
MW11	102 =	<input type="checkbox"/>	<input type="checkbox"/>
MW12	108 =	<input type="checkbox"/>	<input type="checkbox"/>
MW13	110 =	<input type="checkbox"/>	<input type="checkbox"/>
MW14	108 =	<input type="checkbox"/>	<input type="checkbox"/>
MW15	104 =	<input type="checkbox"/>	<input type="checkbox"/>
MW16	103 =	<input type="checkbox"/>	<input type="checkbox"/>
MW19	110 =	<input type="checkbox"/>	<input type="checkbox"/>
MW20	110 =	<input type="checkbox"/>	<input type="checkbox"/>
MW21	102 =	<input type="checkbox"/>	<input type="checkbox"/>
MW22	106 =	<input type="checkbox"/>	<input type="checkbox"/>
MW23	105 =	<input type="checkbox"/>	<input type="checkbox"/>
MW24	107 =	<input type="checkbox"/>	<input type="checkbox"/>

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW25	104 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW26	105 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW29	105 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW30	103 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW31	103 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW32	102 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW33	106 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW34	106 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW34	107 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW35	104 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW35	107 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW36	104 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW37	103 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW38	106 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW39	105 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW40	104 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW41	104 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW42	103 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW44	104 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW44	106 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW45	107 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW45	106 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW46	106 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW47	106 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW48	107 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW49	106 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW50	106 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW51	107 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW52	106 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW53	106 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW54	107 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW55	106 =	<input type="checkbox"/>		<input type="checkbox"/>	

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
Maximum:	110				
Minimum:	102				
Average:	105.44				

**TOTAL 1,2-DICHLOROETHENE**

MW06	150 =	<input type="checkbox"/>		<input type="checkbox"/>
MW10	5 J	<input type="checkbox"/>		<input type="checkbox"/>
MW11	8 J	<input type="checkbox"/>		<input type="checkbox"/>
MW12	200 =	<input type="checkbox"/>		<input type="checkbox"/>
MW12	87 J	<input type="checkbox"/>		<input type="checkbox"/>
MW31	280 =	<input type="checkbox"/>		<input type="checkbox"/>
MW32	140 =	<input type="checkbox"/>		<input type="checkbox"/>
MW35	5 J	<input type="checkbox"/>		<input type="checkbox"/>
MW35	6 J	<input type="checkbox"/>		<input type="checkbox"/>
MW44	1 J	<input type="checkbox"/>		<input type="checkbox"/>
MW44	1 J	<input type="checkbox"/>		<input type="checkbox"/>
MW47	9 J	<input type="checkbox"/>		<input type="checkbox"/>
MW52	1 J	<input type="checkbox"/>		<input type="checkbox"/>
MW54	12 =	<input type="checkbox"/>		<input type="checkbox"/>
Maximum:	280			
Minimum:	1			
Average:	64.64			

**TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)**

MW32	504 =	<input type="checkbox"/>		<input type="checkbox"/>
MW37	184 =	<input type="checkbox"/>		<input type="checkbox"/>
MW55	208 =	<input type="checkbox"/>		<input type="checkbox"/>
Maximum:	504			
Minimum:	184			
Average:	298.67			

**TOTAL ORGANIC CARBON**

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW13	1.6 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW22	2 =	<input type="checkbox"/>		<input type="checkbox"/>	
MW40	2.5 =	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	2.5				
Minimum:	1.6				
Average:	2.03				

**TRICHLOROETHYLENE (Trichloroethene or TCE)**

MW03	18 =	<input checked="" type="checkbox"/>	3.87	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW04	3 J	<input type="checkbox"/>	3.87	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW05	5 J	<input checked="" type="checkbox"/>	3.87	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW06	94 =	<input checked="" type="checkbox"/>	3.87	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW07	31 =	<input checked="" type="checkbox"/>	3.87	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW08	12 =	<input checked="" type="checkbox"/>	3.87	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW09	2 J	<input type="checkbox"/>	3.87	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW10	63 =	<input checked="" type="checkbox"/>	3.87	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW11	10 =	<input checked="" type="checkbox"/>	3.87	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW12	3200 =	<input checked="" type="checkbox"/>	3.87	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW15	6 J	<input checked="" type="checkbox"/>	3.87	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW21	16 =	<input checked="" type="checkbox"/>	3.87	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW22	1 J	<input type="checkbox"/>	3.87	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW26	2 J	<input type="checkbox"/>	3.87	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW29	17 =	<input checked="" type="checkbox"/>	3.87	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW31	400 =	<input checked="" type="checkbox"/>	3.87	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW32	100 =	<input checked="" type="checkbox"/>	3.87	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW35	88 =	<input checked="" type="checkbox"/>	3.87	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW35	100 =	<input checked="" type="checkbox"/>	3.87	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW38	1 J	<input type="checkbox"/>	3.87	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW39	7 J	<input checked="" type="checkbox"/>	3.87	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW44	4 J	<input checked="" type="checkbox"/>	3.87	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW44	3 J	<input type="checkbox"/>	3.87	C	<input checked="" type="checkbox"/>	1	MAX_DET
MW47	6 J	<input checked="" type="checkbox"/>	3.87	C	<input checked="" type="checkbox"/>	1	MAX_DET

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW51	15 =	<input checked="" type="checkbox"/> 3.87	C	<input checked="" type="checkbox"/>	1 MAX_DET
MW52	1 J	<input type="checkbox"/> 3.87	C	<input checked="" type="checkbox"/>	1 MAX_DET
MW54	180 =	<input checked="" type="checkbox"/> 3.87	C	<input checked="" type="checkbox"/>	1 MAX_DET
Maximum:	3200				
Minimum:	1				
Average:	162.41				

## VANADIUM

MW02	2.2 TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/>	6 2XMEAN
MW03	0.78 TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/>	6 2XMEAN
MW04	0.68 TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/>	6 2XMEAN
MW05	0.48 TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/>	6 2XMEAN
MW07	0.85 TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/>	6 2XMEAN
MW08	6.1 TR	<input type="checkbox"/> 25.55	S	<input checked="" type="checkbox"/>	6 2XMEAN
MW09	0.77 TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/>	6 2XMEAN
MW10	0.98 TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/>	6 2XMEAN
MW11	0.56 TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/>	6 2XMEAN
MW12	0.34 TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/>	6 2XMEAN
MW13	12.2 TR	<input type="checkbox"/> 25.55	S	<input checked="" type="checkbox"/>	6 2XMEAN
MW14	1.3 TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/>	6 2XMEAN
MW14	0.93 TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/>	6 2XMEAN
MW15	3.2 TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/>	6 2XMEAN
MW16	1.2 TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/>	6 2XMEAN
MW19	24.5 TR	<input type="checkbox"/> 25.55	S	<input checked="" type="checkbox"/>	6 2XMEAN
MW20	0.67 TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/>	6 2XMEAN
MW21	0.59 TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/>	6 2XMEAN
MW22	0.65 TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/>	6 2XMEAN
MW23	0.31 TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/>	6 2XMEAN
MW24	0.5 TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/>	6 2XMEAN
MW25	0.73 TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/>	6 2XMEAN
MW26	2 TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/>	6 2XMEAN
MW28	0.63 TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/>	6 2XMEAN

Station ID	VALUE	Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW29	1.2	TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/> 6	2XMEAN
MW30	0.82	TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/> 6	2XMEAN
MW31	0.42	TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/> 6	2XMEAN
MW33	1.7	TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/> 6	2XMEAN
MW34	0.47	TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/> 6	2XMEAN
MW36	3.4	TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/> 6	2XMEAN
MW36	3	TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/> 6	2XMEAN
MW38	0.72	TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/> 6	2XMEAN
MW38	0.78	TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/> 6	2XMEAN
MW39	0.52	TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/> 6	2XMEAN
MW39	0.49	TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/> 6	2XMEAN
MW45	2.3	TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/> 6	2XMEAN
MW46	0.4	TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/> 6	2XMEAN
MW47	0.47	TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/> 6	2XMEAN
MW49	0.41	TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/> 6	2XMEAN
MW50	0.51	TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/> 6	2XMEAN
MW51	0.31	TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/> 6	2XMEAN
MW52	0.43	TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/> 6	2XMEAN
MW53	0.47	TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/> 6	2XMEAN
MW55	0.72	TR	<input type="checkbox"/> 25.55	S	<input type="checkbox"/> 6	2XMEAN
<b>Maximum:</b>	<b>24.5</b>					
<b>Minimum:</b>	<b>0.31</b>					
<b>Average:</b>	<b>1.88</b>					

## ZINC

MW07	20.2	=	<input type="checkbox"/> 1095	S	<input type="checkbox"/> 0	
MW09	10.9	TR	<input type="checkbox"/> 1095	S	<input type="checkbox"/> 0	
MW13	91.4	=	<input type="checkbox"/> 1095	S	<input type="checkbox"/> 0	
MW14	33.7	=	<input type="checkbox"/> 1095	S	<input type="checkbox"/> 0	
MW14	34	=	<input type="checkbox"/> 1095	S	<input type="checkbox"/> 0	
MW19	21.9	=	<input type="checkbox"/> 1095	S	<input type="checkbox"/> 0	
MW20	6.2	TR	<input type="checkbox"/> 1095	S	<input type="checkbox"/> 0	

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
MW21	62 =	<input type="checkbox"/> 1095	S	<input type="checkbox"/>	0
MW23	6.8 TR	<input type="checkbox"/> 1095	S	<input type="checkbox"/>	0
MW25	4.5 TR	<input type="checkbox"/> 1095	S	<input type="checkbox"/>	0
MW33	14 TR	<input type="checkbox"/> 1095	S	<input type="checkbox"/>	0
MW38	49.6 =	<input type="checkbox"/> 1095	S	<input type="checkbox"/>	0
MW38	30.8 =	<input type="checkbox"/> 1095	S	<input type="checkbox"/>	0
MW40	28.5 =	<input type="checkbox"/> 1095	S	<input type="checkbox"/>	0
MW41	15.8 TR	<input type="checkbox"/> 1095	S	<input type="checkbox"/>	0
MW48	4.1 TR	<input type="checkbox"/> 1095	S	<input type="checkbox"/>	0
MW49	12.2 TR	<input type="checkbox"/> 1095	S	<input type="checkbox"/>	0
MW50	16.8 TR	<input type="checkbox"/> 1095	S	<input type="checkbox"/>	0
MW52	3.5 TR	<input type="checkbox"/> 1095	S	<input type="checkbox"/>	0
MW53	4 TR	<input type="checkbox"/> 1095	S	<input type="checkbox"/>	0
MW55	8.8 TR	<input type="checkbox"/> 1095	S	<input type="checkbox"/>	0
Maximum:	91.4				
Minimum:	3.5				
Average:	22.84				

J/TR = estimated value.

PRG/Background Values are based on the lowest criteria established in the RI/FS Workplan (CH2M HILL, 1995).

**TABLE 3-3**  
**FLUVIAL AQUIFER SUMMARY STATISTICS**  
**DEFENSE DISTRIBUTION DEPOT - MEMPHIS, TENNESSEE**

Analyte	No. of Analyses	No. of Detections	Minimum Value	Maximum Value	Average Value	Standard Deviation
<b>Inorganics</b>						
ALUMINUM	46	30	7.9	10200	647.25	1,841.21
ANTIMONY	50	8	1.7	5	1.85	0.59
ARSENIC	50	3	1.4	7	2.09	1.20
BARIUM	46	46	31.2	588	103.09	90.16
BERYLLIUM	50	4	0.02	0.28	0.06	0.05
CADMIUM	50	25	0.1	11.2	0.79	1.75
CALCIUM	46	46	7580	95900	22,825.65	16,618.65
CHROMIUM, TOTAL	50	32	1	66.6	5.84	9.55
COBALT	46	16	0.5	16.9	3.55	3.87
COPPER	50	9	1	25.8	3.57	4.79
IRON	46	36	3.6	18300	1,333.73	3,109.72
LEAD	50	9	1.3	41.6	2.42	5.77
MAGNESIUM	46	46	3630	24500	9,913.26	4,791.17
MANGANESE	46	46	0.91	3060	130.40	519.80
MERCURY	50	3	0.1	0.25	0.11	0.03
NICKEL	50	5	0.3	47.8	2.47	6.80
POTASSIUM	46	26	824	5470	1,450.22	1,132.13
SELENIUM	50	2	1.6	2.4	1.65	0.18
SODIUM	46	46	4470	90400	21,365.22	14,000.50
VANADIUM	46	40	0.3	24.5	1.71	3.95
ZINC	50	19	1.1	91.4	14.78	15.49
<b>VOCs</b>						
1,1,1-TRICHLOROETHANE	49	6	1	170	12.61	23.22
1,1,2,2-TETRACHLOROETHANE	49	8	2	540	27.12	79.79
1,1,2-TRICHLOROETHANE	49	3	4	170	12.96	22.93
1,1-DICHLOROETHANE	49	5	1	170	12.73	23.18
1,1-DICHLOROETHENE	49	9	1	170	15.90	24.00
BENZENE	49	1	1	170	13.39	22.98
CARBON DISULFIDE	49	1	1	170	13.39	22.98
CARBON TETRACHLORIDE	49	9	1	170	12.55	23.17
CHLOROFORM	49	13	1	170	12.10	23.29
DIBROMOFLUOROMETHANE	49	0	94	107	100.57	3.43
TETRACHLOROETHYLENE (PCE)	49	23	1	100	19.04	23.73
TOTAL 1,2-DICHLOROETHENE	50	12	1	280	25.58	53.36
TRICHLOROETHYLENE (TCE)	49	25	1	3200	92.51	457.59

TABLE 3-4  
 March 1998 Sampling Event  
 Defense Distribution Depot - Memphis, Tennessee

Station ID	Turbidity NTU	ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CALCIUM	CHROMIUM, TOTAL	COPPER	IRON	LEAD	MAGNESIUM	MANGANESE	NICKEL	POTASSIUM	SELENIUM	SILVER	SODIUM	THALLIUM	ZINC		
MW02	>100	809	1.7	2.3	71.2	0.03	0.22	37300	4	1.1	3.9	1300	1.3	18400	28.7	1.8	824	1.6	0.5	18600	1.6	2.2	8.6
MW03	51.0	129	1.7	1.8	108	0.04	0.1	22600	3.6	9.4	2.2	694	1.3	12000	1.9	0.76	1250	1.6	0.5	18200	1.6	0.76	7.8
MW04	18.0	165	1.7	1.4	41.3	0.06	0.1	10400	2.6	0.5	2.4	706	1.3	5320	2.7	0.82	824	1.6	0.5	20400	1.6	0.63	3.8
MW05	5.5	87.7	1.7	1.4	52.3	0.04	0.1	14900	4.1	0.5	1	314	1.3	7880	2.1	4	824	1.6	0.5	28300	1.6	0.48	6.6
MW06	7.2	156	1.7	2.1	189	0.02	0.46	85800	3.4	6.5	3.1	340	1.3	17700	3080	6.1	824	1.6	0.5	19700	1.6	0.3	7.1
MW07	53.6	251	1.7	4.1	83.6	0.03	0.32	17800	5.7	0.5	1	810	1.3	8710	18	1.3	824	1.6	0.5	21100	2.9	0.89	20.2
MW08	>100	3980	1.7	3.1	62.5	0.02	0.7	15000	7.8	1.5	4.6	4170	1.3	6800	52.8	2.8	824	1.6	0.5	25700	2.1	8.1	11.5
MW09	3.1	187	1.7	1.4	55.7	0.04	1.5	19800	2.2	6.2	1.7	288	1.3	10100	11.6	0.3	1010	1.6	0.5	20300	1.6	0.77	10.9
MW10	17.5	233	1.7	3.2	77.9	0.02	0.48	18500	6.1	0.5	2.6	591	1.3	9420	9.7	2.5	824	1.6	0.5	18600	1.6	0.98	6.1
MW11	6.7	73	1.7	2.6	58.1	0.02	0.74	13100	3.4	9	1	261	1.3	6930	16	1	824	1.6	0.3	18500	1.6	0.56	4.4
MW12	3.4	65.9	1.7	1.4	50.4	0.1	0.1	15200	7.4	12.8	3.0	203	1.3	8220	8.5	3.3	824	2.2	0.5	16100	3.2	0.34	16.2
MW13	>100	6900	5	7	85.2	0.02	3.0	15100	11.5	3.1	25.8	1040	4.1	7490	204	4.1	2820	1.6	0.5	20700	1.6	12.2	91.4
MW14	6.8	367	1.8	1.4	84	0.08	1.2	21700	10.8	3.8	3.1	556	4.4	7070	29.7	1.1	1360	1.6	0.5	12500	1.6	0.63	34
MW15	48.0	824	1.7	3.3	65.8	0.14	0.27	12100	6.4	5.3	3.9	2560	1.3	5930	15.4	1.6	824	1.6	0.5	12100	2	3.2	9.5
MW16	3.0	2430	2.7	2.3	309	0.03	1.5	35300	68.6	4.9	8.1	3650	4.6	15200	195	47.8	5170	1.6	0.5	34100	2.1	3	31.1
MW19	>100	10200	4.2	6.8	138	0.28	3.6	10700	23.5	2	17.9	18300	8	4980	135	7.1	3920	1.6	0.5	9910	1.6	24.5	21.8
MW20	1.5	80.6	1.7	2.3	89.4	0.04	0.35	14800	2.3	1.4	1	97.1	1.3	7550	2.5	0.2	824	1.6	0.5	15400	1.6	0.87	6.2
MW21	7.5	14.5	1.7	2.6	49.6	0.02	0.84	13500	3.4	9.3	1.3	139	1.3	7440	1.2	0.6	824	1.6	0.5	15100	1.6	0.59	62
MW22	59.0	173	1.7	3.1	90.3	0.06	0.3	22400	3.2	0.5	3.6	806	1.3	11800	2.5	0.3	1100	1.6	0.5	33100	2.2	0.65	4.5
MW23	5.6	27.4	1.7	1.4	64.2	0.06	0.1	22400	2.6	16.9	1	3.6	2.9	11000	1.8	0.3	1050	1.6	0.5	14400	3	0.31	0.8
MW24	1527.7	204	1.7	2.9	31.2	0.07	0.18	7580	5	0.5	1	738	1.3	3630	5.5	0.5	915	1.6	0.5	11800	3.1	0.5	5.2
MW25	2.2	54.8	1.7	1.4	89.1	0.03	0.1	17400	1.3	0.5	1	220	1.3	9270	10.4	0.3	1960	1.6	0.5	15600	1.6	0.73	4.5
MW26	80.0	163	1.7	1.5	163	0.06	0.1	19900	2.8	0.5	1	1180	1.3	9330	18.6	0.3	1540	2	0.5	28300	1.9	2	7.9
MW28	4.2	131	1.7	1.4	41.6	0.02	0.14	19400	3.8	3.8	1.4	393	1.3	5500	14.8	1.3	824	1.6	0.5	13400	2.7	0.63	14.6
MW29	17.0	306	1.7	2.1	101	0.02	0.1	26300	3.7	8.1	1	590	1.3	12600	2.8	0.45	1210	2.4	0.5	25300	1.6	1.2	4
MW30	2.8	93.2	1.7	2.8	126	0.03	0.14	24600	5.2	7.9	3.1	267	1.3	13600	0.99	1.8	1210	1.6	0.5	21000	2.1	0.82	21.5
MW31	2.8	18.6	1.7	2	116	0.04	0.1	24300	3.6	1.2	1.9	204	1.3	12900	1.2	0.84	1080	1.6	0.5	24700	3.8	0.42	19
MW32	7.2	35.4	1.8	1.5	157	0.02	0.2	76500	2.6	4.4	2.9	90.6	1.3	18200	1860	1.7	1340	1.6	0.5	23300	3.7	0.3	9.4
MW33	18.0	366	1.7	1.4	45.6	0.09	0.1	7800	4	1.8	7.4	1640	1.3	3880	16.5	0.3	824	2.4	0.5	17100	1.6	1.7	14
MW34	18.0	24.1	1.7	1.4	115	0.11	0.1	11400	3.2	5.3	2.3	80.8	1.3	5550	0.92	0.71	824	1.6	0.5	8530	2.5	0.47	8.7
MW35	0.8	25.4	1.7	1.4	116	0.08	0.1	14700	2.6	0.5	1	42.7	1.3	7420	2.3	1.4	824	1.6	0.5	18800	2.5	0.3	9.7
MW36	82.5	2430	2.7	1.4	309	0.02	1.5	35300	68.6	4.9	9.1	3690	4.8	5940	135	47.8	5170	1.6	0.5	4470	1.6	3	31.1
MW37	50.0	41.6	1.7	1.4	588	0.08	0.19	31900	2.6	0.5	1	4150	1.3	13100	160	0.61	5470	1.6	0.5	8690	1.6	0.3	11.5
MW38	4.2	285	1.7	1.4	59.1	0.15	11.2	15900	14.6	0.5	3.5	572	1.3	5180	12.1	7.8	824	1.6	0.5	11700	2.2	0.76	30.8

**TABLE 3-4**  
**CORRELATION BETWEEN TURBIDITY AND CONCENTRATION**

March 1998 Sampling Event  
 Defense Distribution Depot - Memphis, Tennessee

Station ID	Turbidity NTU	ALUMINUM	ANTHONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CALCIUM	CHROMIUM TOTAL	COBALT	COPPER	IRON	LEAD	MAGNESIUM	MANGANESE	NICKEL	POTASSIUM	SELENIUM	SILVER	SODIUM	TALLIUM	YANIUM	ZINC
MW39	79.0	282	1.7	1.4	58.4	0.08	1.1	20400	4.1	5.6	2.2	550	1.3	8210	78.5	1.6	1890	1.6	0.5	20800	1.6	0.48	34.9
MW40	0.9		1.7	1.8		0.02	0.1		3		4		1.3			1.2		1.6	0.5		2.8		28.5
MW41	17.0		1.7	1.4		0.05	2.7		3.6	18.1			1.4			0.3		1.6	0.5		1.6		15.8
MW42	58.0		1.7	1.4		0.07	2.9		3.2		4		1.3			3.3		1.6	0.5		1.6		15.2
MW44	>100		1.7	1.4		0.16	0.84		4.9		6.2		1.3			2.3		1.6	0.5		2.4		14.7
MW45	96.0	581	1.7	2.4	50	0.14	0.41	23900	6.8	0.82	2.7	2820	1.3	13100	9.8	1.7	1070	1.6	0.5	13100	1.6	2.3	8.9
MW48	2.5	48.5	1.7	1.4	78.6	0.06	0.1	16600	1.4	0.5	1	287	1.3	8590	2.3	0.3	1330	1.6	0.5	26300	1.6	0.4	1.1
MW47	4.4	32.2	1.7	1.9	84.6	0.02	0.1	20600	3.5	0.5	2	212	1.3	10400	5.8	0.3	824	1.6	0.5	20900	2.1	0.47	8.6
MW48	1.5	18.0	1.8	1.4	85.9	0.07	0.1	15400	2.2	3.4	1	3.6	1.3	8180	0.81	0.3	1040	1.6	0.5	20200	1.6	0.3	4.1
MW49	1.0	44.5	1.7	1.4	75.2	0.11	0.1	12900	2.7	2.4	1	56.7	1.3	8400	1.3	0.3	917	1.6	0.5	12100	1.6	0.41	12.2
MW50	1.0	75.8	1.7	1.4	219	0.02	0.1	48100	3.2	0.5	6	283	1.3	22700	16.3	0.2	3820	1.6	0.5	63600	1.6	0.51	16.8
MW51	2.8	18.8	1.7	2.5	82.2	0.02	0.1	20900	2.8	0.5	1	70.6	1.4	10000	0.92	0.3	824	1.6	0.5	18000	1.6	0.31	8.3
MW52	1.0	18.8	2.2	1.4	173	0.02	0.1	48300	1	0.5	1	3.6	1.3	24500	1.5	0.3	3340	1.6	0.5	90400	1.6	0.43	3.5
MW53	2.0	7.8	1.7	1.4	64.8	0.06	0.1	31400	1.3	8.8	1.1	20.2	1.3	18900	9.6	0.3	2350	1.6	0.5	32800	1.6	0.47	4
MW54	6.4	37.8	1.7	1.4	67	0.02	0.1	12400	2.8	0.5	1	208	1.3	8400	1.7	0.3	824	1.6	0.5	15600	1.6	0.3	7.6
MW55	5.0	136	1.7	1.4	72.6	0.15	0.1	10600	2.8	0.93	1	197	1.3	4710	5.2	0.3	868	1.6	0.5	19000	1.6	0.72	8.8

Table 3-5  
 Percentages of Degradable VOCs of DDMT  
 March 1998 Sampling Event  
 Defense Distribution Depot - Memphis, Tennessee

Station ID	TRICHLOROETHYLENE (TCE)	PERCHLOROETHYLENE (PCE)	1,1-DICHLOROETHYLENE	TOTAL 1,2-DICHLOROETHYLENE	Ratio of Trichloroethene to Tetrachloroethene	Ratio of 1,1-Dichloroethene to Trichloroethene	Ratio of 1,2-Dichloroethene to Trichloroethene	Total Concentration (ug/L)	Percent Tetrachloroethene of total	Percent 1,1-Dichloroethene of total	Percent 1,2-Dichloroethene of total	Comments
<b>Memphis Station Wells</b>												
<b>Source Wells</b>												
MW21	78	10	11	99	21.1%		94	80.9%	17.0%			
<b>Degraded Plume Wells</b>												
MW25	0	0	0	0			0	66.7%				Hot Spot
MW26	14	2	1	17	14.3%		18	77.8%	11.1%			Hot Spot
MW39	8	2	1	11	87.5%		17	47.1%	41.2%			Downgradient of Source Well MW21
MW47	14	0	0	14	42.9%		30	66.7%	20.0%		30.0%	
MW52	0	1	1	2	25.0%		7	57.1%	14.3%		14.3%	
MW22	0	1	1	2			8		25.0%			
MW34	0	1	1	2			8		25.0%			
<b>Control Wells</b>												
MW55	0	0	0	0			4					
MW16	0	0	0	0			4					
MW19	0	0	0	0			4					
MW20	0	0	0	0			4					
MW23	0	0	0	0			4					Downgradient of Source Well MW21
MW24	0	0	0	0			4					Downgradient of Source Well MW21
MW41	0	0	0	0			4					
MW48	0	0	0	0			4					Upgradient of Source Well MW21
MW50	0	0	0	0			4					
MW53	0	0	0	0			4					
<b>Dunn Field Wells</b>												
<b>Source Wells</b>												
MW12	51	3200	200	3551	6274.5%	6.3%	3452	1.9%	92.7%		5.8%	
MW25	2	100	0	102	5000.0%	0.0%	109	1.8%	91.7%		5.5%	Five feet from MW12.
<b>Degraded Plume Wells</b>												
MW31	60	400	20	480	600.0%	6.5%	707	8.5%	51.8%	3.4%	36.3%	Lateral Downgradient of Source Well
MW06	1	80	1	82	900.0%		246	0.6%	38.2%		61.0%	
MW22	1	100	1	102	1000.0%		242	8.6%	41.3%		57.9%	Downgradient of Source Well MW12
MW10	100	63	41	204	63.0%	66.1%	209	47.8%	30.1%	10.6%	2.2%	
MW54	2	180	1	183	900.0%		195	1.0%	92.3%		6.2%	Downgradient of Source Well MW12
MW07	28	31	47	106	39.7%	151.6%	157	49.7%	19.7%	29.9%		
MW04	22	3	1	26	4.2%		77	93.6%	3.9%			Upgradient of Source Well MW12
MW20	37	17	28	82	45.9%	104.7%	83	44.6%	20.5%	33.7%		
MW03	38	18	25	81	47.4%	138.0%	82	46.3%	22.0%	30.5%		
MW05	65	5	1	71	7.7%		72	98.3%	6.9%			
MW08	24	12	19	55	50.0%	158.3%	56	42.0%	21.4%	33.9%		
MW51	4	15	30	49	375.0%	200.0%	50	8.0%	30.0%	60.0%		
MW15	0	0	0	0			9		66.7%			
MW11	5	0	0	5			15	33.3%			53.3%	
MW13	2	0	0	2			5	40.0%				Upgradient of Source Well MW12
MW40	0	0	0	0			5		40.0%			Downgradient of Source Well MW12
MW44	0	0	0	0			7		57.1%	14.3%		Downgradient of Source Well MW12
MW57	3	7	1	11	60.7%	50.0%	7	42.9%	28.6%	14.3%		
<b>Control Wells</b>												
MW02	0	0	0	0			4					
MW14	0	0	0	0			4					
MW20	0	0	0	0			4					
MW33	0	0	0	0			4					
MW34	0	0	0	0			4					
MW50	0	0	0	0			4					
MW37	0	0	0	0			4					
MW42	0	0	0	0			4					Downgradient of Source Well MW12
MW55	0	0	0	0			4					
MW56	0	0	0	0			4					Upgradient of Source Well MW12
MW49	0	0	0	0			4					

Shaded Values Indicates one-tenth of the Method Detection Limit.

TABLE 3-6  
Summary of Natural Attenuation Parameters  
MARCH 1998 Sampling Event  
DEFENSE DISTRIBUTION DEPOT-MEMPHIS, TENNESSEE

Well No.	Sampling Method	pH	Temp (°C)	DO (mg/L)	Redox (mV)	Nitrate (mg/L)	Sulfate (mg/L)	HCO <sub>3</sub> (mg/L)	TOC (mg/L)	NH <sub>4</sub> (mg/L)	Fe (ug/L)	Cl (mg/L)	Methane (ug/L)
Main Installation													
21	pb	5.81	19.8	6.00	173.3	3.5	5.9	nc	nc	nc	139.0	13.5	nc
25	p	5.93	20.5	10.00	244.7	nc	nc	nc	nc	nc	220.0	nc	nc
28	p	6.09	21.3	8.97	201.5	nc	nc	nc	nc	nc	1180.0	nc	nc
39	p	6.03	21.7	11.28	158.7	nc	nc	nc	nc	nc	550.0	nc	nc
47	p	6.01	21.1	6.12	134.5	2.1	18.5	nc	nc	nc	nc	31.3	1.0
62	pb	5.82	18.8	8.83	62.8	nc	nc	nc	nc	nc	nc	nc	nc
16	pb	6.13	20.6	3.09	221.4	nc	nc	nc	nc	nc	430.0	nc	nc
19	b	nc	nc	nc	nc	nc	nc	nc	nc	nc	18300.0	nc	nc
20	pb	5.86	19.0	8.43	206.4	nc	nc	nc	nc	nc	97.0	nc	nc
22	b	6.32	18.6	10.75	115.1	8.4	20.8	nc	2.0	nc	806.0	38.7	2.2
23	pb	6.12	19.5	5.28	138.5	1.9	15.7	nc	nc	nc	nc	20.4	1.1
24	b	6.01	17.7	9.33	253.4	nc	nc	nc	nc	nc	738.0	nc	nc
38	pb	5.93	21.3	7.77	182.3	nc	nc	nc	nc	nc	572.0	nc	nc
41	b	6.37	18.6	7.00	104.3	nc	nc	nc	nc	nc	nc	nc	nc
43	pb	5.87	20.7	6.67	221.4	5.1	13.9	nc	nc	nc	nc	15.4	nc
50	pb	5.70	20.3	5.00	124.7	nc	nc	nc	nc	nc	283.0	nc	nc
53	pb	6.00	19.9	1.50	187.7	nc	nc	nc	nc	nc	20.2	nc	nc
55	pb	5.65	20.7	7.43	234.4	nc	28.9	50.0	nc	nc	197.0	13.2	nc
Dunn Field													
3	b	5.85	18.8	3.25	218.8	3.0	50.7	nc	nc	nc	694.0	19.9	nc
4	b	6.07	17.5	12.74	145.1	nc	nc	nc	nc	nc	706.0	nc	nc
5	p	5.88	19.0	6.44	213.9	nc	nc	nc	nc	nc	nc	nc	nc
8	p	5.54	19.2	8.88	259.0	nc	nc	nc	nc	nc	340.0	nc	nc
7	b	5.96	18.8	8.13	201.5	nc	nc	nc	nc	nc	610.0	nc	nc
8	p	5.91	18.6	5.90	212.4	1.8	41.1	nc	nc	nc	4170.0	17.8	nc
9	pb	5.88	18.8	4.80	133.7	nc	nc	nc	nc	nc	283.0	nc	nc
10	p	5.66	18.9	4.68	142.7	2.8	45.5	nc	nc	nc	591.0	12.0	nc
11	p	5.59	18.4	4.34	184.0	nc	nc	nc	nc	nc	nc	nc	nc
12	pb	6.17	20.9	7.21	163.0	nc	nc	nc	nc	nc	nc	nc	nc
15	p	5.72	18.1	8.83	181.4	nc	nc	nc	nc	nc	2590.0	nc	nc
29	b	5.71	19.0	3.80	217.5	nc	nc	nc	nc	nc	900.0	nc	nc
31	pb	5.99	17.5	5.11	178.0	2.8	51.4	nc	nc	nc	204.0	17.7	nc
32	p	5.59	17.2	6.93	229.9	4.0	12.4	98.0	nc	nc	nc	199.0	nc
35	p	5.84	19.0	5.42	213.4	4.6	19.5	nc	nc	nc	nc	14.0	nc
44	b	6.25	18.9	11.16	132.0	nc	nc	nc	nc	nc	nc	nc	nc
51	p	5.81	18.9	6.69	218.4	nc	nc	nc	nc	nc	nc	nc	nc
54	p	6.04	20.9	8.78	138.2	nc	nc	nc	nc	nc	nc	nc	nc
2	b	6.38	16.9	18.36	183.0	nc	nc	nc	nc	nc	1300.0	nc	nc
13	b	5.77	19.0	6.75	167.5	3.4	39.7	nc	1.6	nc	10400.0	10.2	nc
14	pb	5.85	19.2	5.80	196.5	4.8	43.8	nc	nc	nc	350.0	7.4	nc
26	p	5.56	18.2	4.79	225.8	nc	nc	nc	nc	nc	393.0	nc	nc
30	pb	6.15	19.0	7.10	253.6	2.2	26.4	nc	nc	nc	267.0	31.3	nc
33	pb	5.67	18.5	8.59	252.0	nc	nc	nc	nc	nc	1640.0	nc	nc
34	p	5.78	19.9	5.44	191.9	4.8	12.6	nc	nc	nc	nc	11.4	nc
36	pb	6.56	20.1	3.52	128.7	nc	nc	nc	nc	nc	3890.0	nc	nc
37	p	6.53	19.9	1.88	21.9	nc	8.3	187.0	nc	nc	4150.0	6.6	nc
40	p	6.10	20.2	5.31	100.9	1.5	41.8	nc	2.5	1.7	nc	38.1	3.5
42	b	6.23	17.4	11.32	156.0	nc	nc	nc	nc	nc	nc	nc	nc
45	b	6.12	19.1	7.61	112.0	nc	nc	nc	nc	nc	2920.0	nc	nc
46	pb	nc	nc	nc	nc	nc	nc	nc	nc	nc	287.0	nc	nc
49	pb	5.72	19.3	5.79	210.1	nc	nc	nc	nc	nc	66.0	nc	nc

## Notes:

Shaded areas represent wells containing concentrations of dissolved VOCs.

Blank cells represent uncollected parameters.

nc = not collected

b = bailed

p = pumped

Wells MW34, MW35, and MW37 are deep wells that are not completed in the basal aquifer where the source of VOC contamination has been confirmed.

# TAB

Appendices

**Appendix A**  
**QA/QC Summary**

## Appendix A

### Data Quality Evaluation Section

#### Sampling Effort – March 1998

---

The purpose of the data quality evaluation process is to assess the effect of the overall analytical process on the usability of the data. The two major categories of data evaluation are laboratory performance and matrix interferences. Evaluation of laboratory performance is a check for compliance with the method requirements; either the laboratory did, or did not, analyze the samples within the limits of the analytical method. Evaluation of matrix interferences is more subtle and involves the analysis of several areas of results including surrogate spike recoveries, matrix spike recoveries, and duplicate sample results.

#### Introduction

A specific list of methods was developed for the analysis of these samples. Methods included SW846 method 8260 (Volatiles by GC/MS), method 8270 (Semivolatiles by GC/MS), Method ERS Kerr (Methane, Ethane, and Ethene by GC/FID), method 6010, with the 7000series (metals), and selected General Chemistry parameters. Before the analytical results were released by the laboratory, both the sample and QC data were carefully reviewed to verify sample identity, instrument calibration, detection limits, dilution factors, numerical computations, accuracy of transcriptions, and chemical interpretations. Additionally, the QC data were reduced and the resulting data were reviewed to ascertain whether they were within the laboratory-defined limits for accuracy and precision. Any non-conforming data were discussed in the data package cover letter and case narrative.

All of the data packages were reviewed by the project chemists using the process outlined in the Environmental Protection Agency (EPA) guidance document *Functional Guidelines for Evaluating Data*. The data review and validation process is independent of the laboratory's checks and focuses on the usability of the data to support the project data interpretation and decision-making processes. Areas of review included holding time compliance, spiked sample results, method blank results, initial and continuing calibrations, laboratory control samples, surrogate recoveries, and duplicate sample results. A data review worksheet was completed for each of these data packages.

Sample results that were not within the acceptance limits were appended with a qualifying flag, which consists of a single or double-letter abbreviation that indicated a possible problem with the data. Although the qualifying flags originate during the data review and validation processes, they are included in the data summary tables deliverable so that the data will not be used indiscriminately. The following flags were used in this text:

- U Undetected. Samples were analyzed for this analyte, but it was not detected above the method detection limit (MDL) or instrument detection limit (IDL).
- UJ Detection limit estimated. Samples were analyzed for this analyte, but the results were qualified as not detected. The result is estimated.
- J Estimated. The analyte was present, but the reported value may not be accurate or precise.
- R Rejected. The data are unusable. (NOTE: Analyte/compound may or may not be present.)

Numerical sample results that were greater than the method detection limit but less than the Reporting limit (RL) were qualified with a "J" for estimated, as required by the EPA *Functional Guidelines to Evaluating Data Quality*.

Once the data review and validation processes were completed, the entire data set was reviewed for chemical compound frequencies of detection, dilution factors that might affect data usability, and patterns of target compounds distribution. The data set was also evaluated to identify potential data limitations, uncertainties, or both in the analytical results.

### Holding Times

The holding times for each parameter were evaluated according to SW-846 requirements. All holding times were met for the original extractions. However, six samples required re-extractions due to low acid surrogate recoveries. Samples MW494, MW484, and MW064 were re-extracted one day out of holding times. Samples 98Q1R4 and 98Q1R5 missed holding time by four days, while sample 98Q1R3 was re-extracted 16 days out of holding times.

### Potential Field Sampling and Laboratory Contamination

Three types of field blank samples were used to monitor potential contamination introduced during field sampling, sample handling, and shipping activities.

- **Trip Blank:** A sample of ASTM Type II water prepared in the laboratory prior to the sampling event. The water is stored in VOC sample containers and is not opened in the field, and then travels back to the laboratory with the other samples for VOC analysis. This blank is used to monitor the potential for sample contamination during the sample container trip. One trip blank was included in each sample cooler that contained samples for VOC analysis. A total of six trip blanks were collected for this sampling event.
- **Equipment Rinse Blank:** A sample of the organic-free water used for the final rinse during equipment decontamination. This blank sample is collected by rinsing a piece of equipment after decontamination and is analyzed for the same analytical parameters as the corresponding samples. An equipment blank monitors potential contamination caused by incomplete equipment decontamination. A total of five equipment blanks were collected for this sampling event.
- **Field (Ambient) Blank:** A sample of the water used to decontaminate equipment and it is collected directly from the decontamination water source. This blank monitors contamination that may be introduced from the water used for decontamination. One field blank sample was collected from the source of decontamination water and was analyzed for the same parameters as the corresponding samples. Three field blanks were collected for this sampling event.

Laboratory method blanks were also analyzed. A laboratory method blank is a blank matrix, usually ASTM type II water or Ottawa sand, that is treated as a sample in that it undergoes the same analytical process as the corresponding field samples. Method blanks are used to monitor laboratory performance and contamination introduced during the analytical procedure. One method blank was analyzed for every twenty field samples, or one per analytical batch, whichever was more frequent.

According to the EPA *Functional Guidelines*, concentrations of common organic contaminants detected in samples at less than 10 times the maximum concentration in the blanks can be attributed to field sampling and laboratory contamination rather than environmental contamination from site activities. The concentrations of less common contaminants are multiplied by a factor of 5 rather than 10, as required by the *Functional Guidelines*.

The only semivolatile organic contaminants detected in blank samples were bis (2-Ethylhexyl) phthalate (BEHP) and di-n-butylphthalate. In the blank samples where di-n-butylphthalate was detected, the concentrations were below the reporting limits. Bis (2-ethylhexyl) phthalate was reported in three equipment blanks and one field blank. The maximum concentration of the equipment blanks was 12 ug/L, and the field blank concentration was 13 ug/L. Phthalates are used as plasticizers, the most common of which is bis (2-ethylhexyl) phthalate, are often introduced into samples during handling. The field personnel often transfer samples while wearing latex gloves. The latex gloves are coated with plasticizers such as BEHP and di-n-butylphthalate, to facilitate release of the

gloves from the skin. Laboratory personnel also wear latex gloves during the extraction of samples. Therefore, the BEHP and di-n-butylphthalate can most likely be attributed to field sampling and laboratory contamination. Samples reported with these common contaminant detections below the 5 or 10 times rule, were flagged "U" as undetected.

The volatile organic contaminants detected in blank samples were: acetone, carbon disulfide, chloroform, methylene chloride, and trichloroethylene. All of these organic contaminants were detected below the reporting limits. Acetone and methylene chloride, are used as extraction solvents in the laboratory, and are common laboratory contaminants. Samples reported with these common contaminant detections below the 5 or 10 times rule, were flagged "U" as undetected. Carbon disulfide was detected in an equipment blank, 98Q1R5, at a concentration of 1 ug/L. Carbon disulfide was detected in only one field sample, at a concentration of 1 ug/L. This is at the same concentration as the equipment blank, therefore it can most likely be attributed to field contamination. Chloroform was detected in two equipment blanks, 98Q1R1 and 98Q1R3, both at concentrations of 1 ug/L. Trichloroethylene was detected in one field blank, 98Q1A2, at a concentration of 1 ug/L. Chloroform and trichloroethylene were also detected in several field samples, and at concentrations higher than those detected in the associated blank. These concentrations are more likely to be indicative of environmental conditions rather than low-level contamination.

When evaluating any significant amount of data such as this, there may be instances in which common laboratory contaminants are reported at low levels in samples, but are not detected in any associated blank samples. Therefore, they can not be qualified as "U", undetected based upon blank evaluation. However, the reported levels of these compounds must be evaluated carefully to determine if they are truly indicative of environmental conditions, or low level contamination from the field or laboratory. Also, care must be taken in those instances where common laboratory contaminants are reported in samples that have been diluted for analysis. In this set of data, 2-butanone was reported in two field samples. Acetone, 2-butanone, 2-hexanone, and 4-methyl-2-pentanone are often associated with equipment rinse solvents, such as methanol, as solvent contaminants. Incomplete drying of the rinse solvent can cause carryover of these contaminants. This is also a common laboratory contaminant and may possibly be due to low level contamination, rather than environmental conditions.

Several metals as listed in Table A-1, were detected in the laboratory and field blanks. All of these metals, with the exception of one iron value, were detected at concentrations above the Instrument Detection Limit (IDL), but less than the Contract Required Detection Limit (CRDL). Many of these are ubiquitous at low levels. Copper, and iron are common elements used in the construction of sinks, faucets, laboratory ventilation hoods, and many other tools or equipment used on a day to day basis. Elements such as arsenic, barium, chromium, lead, mercury, selenium, silver, thallium, and vanadium were reported just over the IDL. These values are indicative of instrument noise or low level blank contamination. Generally, values within 2-5 times of the IDL usually reflect instrument noise and should be considered false positives. The 5 times rule was applied to these elements and samples with these elements reported at less than 5 times were qualified as "U", undetected.

Table A-1 - Elemental Targets Reported above the Method Detection Limit

Matrix	Sample Type	Analytical Method	Parameter	Units	Maximum Detected	Contract Reporting Limit
WQ	LB	SW6010	ALUMINUM	UG/L	59.56	200
WQ	LB	SW6010	ANTIMONY	UG/L	4.66	60
WQ	FB	SW6010	ARSENIC	UG/L	4.8	5
WQ	LB	SW6010	BARIUM	UG/L	0.16	200
WQ	FB	SW6010	BERYLLIUM	UG/L	0.08	5
WQ	LB	SW6010	CADMIUM	UG/L	0.26	5
WQ	FB	SW6010	CALCIUM	UG/L	87.6	5000
WQ	EB	SW6010	CHROMIUM, TOTAL	UG/L	3.4	10
WQ	FB	SW6010	COBALT	UG/L	0.77	50
WQ	LB	SW6010	COPPER	UG/L	3.84	25
WQ	FB	SW6010	IRON	UG/L	208	100
WQ	LB	SW6010	MAGNESIUM	UG/L	123.21	5000

Matrix	Sample Type	Analytical Method	Parameter	Units	Maximum Detected	Contract Reporting Limit
WG	EB	SW6010	MANGANESE	UG/L	1.2	15
WG	LB	SW6010	NICKEL	UG/L	1.5	40
WG	EB	SW6010	SODIUM	UG/L	328	5000
WG	FB	SW6010	THALLIUM	UG/L	2.9	10
WG	LB	SW6010	ZINC	UG/L	7.83	20

## Matrix Effects

### Surrogate Spike Recovery

Surrogate spike compounds were added to each sample analyzed for organic parameters, including laboratory blanks as well as field environmental samples. Surrogate spike compounds are the structural homologues of target compounds and are therefore expected to behave in a similar manner during analysis. Surrogate spike recoveries from laboratory blanks were used to evaluate laboratory performance because these blanks represent an "ideal" sample matrix. Surrogate spike recoveries for field samples were used to evaluate the potential for matrix interferences.

The surrogate spike recoveries were within the laboratory specified control limits for all field samples, except for six samples. Samples MW494, MW484, MW064, 98Q1R3, 98Q1R4, and 98Q1R5 were re-extracted due to low acid surrogate recoveries. The re-extractions exhibited acid surrogate recoveries within acceptable recovery limits for all samples except MW064 and MW484. While the low acid surrogate recoveries may possibly reflect some matrix effect in these 2 samples, overall, these data indicate that the matrix did not greatly influence the final numerical result or the methods.

### Matrix Spike / Matrix Spike Duplicate Precision and Accuracy

For the MS/MSD measurement, three aliquots of a single sample are analyzed; one native sample and two spiked with target analytes or compounds. Matrix accuracy is evaluated from the spike recoveries, while precision is evaluated from comparison of the percent recoveries of the MS and MSD. Matrix spike recoveries greater than the upper acceptance limit resulted in associated detected values being qualified as estimated. MS/MSD precision outside control limits resulted in associated data being flagged as estimated. The laboratory analyzed three sets of MS/MSD samples for this sampling event.

Organic results are not qualified upon the results of MS/MSD samples alone. Evaluation is in conjunction with surrogate and internal standard results. While one set of MS/MSD samples for semivolatile analysis reflected 4 acid relative percent differences (RPD) greater than 20%, the absolute percent recoveries were within laboratory control limits. All other accuracy and precision results were well within the stated criteria, indicating that the specific sample matrix did not influence the overall analytical process or the final numerical sample result.

All of the accuracy and precision criteria were met for the three sets of MS/MSD samples for the inorganic parameters. These data indicate that the specific sample matrix did not influence the overall analytical process or the final numerical sample result.

### Field Duplicate Sample Results

There were 13 field duplicate sets collected during this field effort. Both the native and duplicate samples were analyzed for the same parameters. All precision data, for both organic and inorganic analyses, were within the method target acceptance ranges. These data indicate that the specific sample matrix did not influence the overall analytical process or the final numerical sample result.

## Sample Results for Metals Near the Instrument Detection Limit (IDL)

The samples were analyzed for the Target Analyte List (TAL) of metals. Concentrations of metals near the IDL were reported for many of the target metals. The IDL is determined by multiplying by three, the standard deviation obtained for the analysis of a standard solution (each analyte in reagent water) on three nonconsecutive days with seven consecutive replicates each day. The concentration of the standard solution should be 3x to 5x the IDL. Sample results at, or near, the IDL may be false positives caused by instrument noise or low-level background shifts rather than a true analyte signal.

## PARCCs

**Precision**--is defined as the agreement between duplicate results, and was estimated by comparing duplicate matrix spike recoveries and field duplicate sample results. Sample results for the majority of the compounds indicate that sample matrix did not significantly interfere with the overall analytical process.

**Accuracy**--is a measure of the agreement between an experimental determination and the true value of the parameter being measured. For the organic analyses, each of the samples was spiked with a surrogate compound; and for inorganic analyses each sample was spiked with a known reference material before digestion. Each of these approaches provides a measure of the matrix effects on the analytical accuracy. Laboratory control samples (LCS's) are usually DI water spiked with known quantities of a target element, and thus measure accuracy of the method without the influence from the matrix.

**Representativeness**--this criteria is a qualitative measure of the degree to which sample data accurately and precisely represent a characteristic environmental condition. Representativeness is a subjective parameter and is used to evaluate the efficacy of the sampling plan design. Representativeness was demonstrated by providing full descriptions in the project scoping documents of the sampling techniques and the rationale used for selecting sampling locations.

**Completeness**--is defined as the percentage of measurements that are judged to be valid compared to the total number of measurements made.

**Comparability**--is another qualitative measure designed to express the confidence with which one data set may be compared to another. Factors that may affect comparability include: sample collection and handling techniques, sample matrix type, and analytical method. Comparability is limited by the other PARCC parameters because data sets can be compared with confidence only when precision and accuracy are known. Data from this investigation are comparable with other data collected at the site because only EPA methods were used to analyze the sample and Chevron modified EPA Level III QC data are available to support the quality of the data.

## Summary and Conclusions

Conclusions of the data quality evaluation process include:

- The laboratory analyzed the samples according to the EPA methods stated in the work plan as demonstrated by acceptable method performance, which was documented in the data deliverable
- Sample results for metals above the IDL but less than the RL may be attributed to instrument noise and/or low level contamination and not site-related activities
- Sample results for target organic compounds above the MDL but less than the CRQL should be considered as uncertain but indicative of the presence of that compound at an estimated concentration

- Spike recoveries and duplicate sample results (other than the detailed exceptions in the text) indicate that the specific sample matrix did not interfere with the analytical process

The project objectives or PARCCs were met, and the data can be used in the project decision-making process as qualified by the data quality evaluation process.

**Appendix B**  
**Analytical Data Summary**

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Units	Detection Limit
MW024	MW02	ALUMINUM	SW6010	800 =	UG/L	7.9
MW024	MW02	ANTIMONY	SW6010	1.7 U	UG/L	1.7
MW024	MW02	ARSENIC	SW6010	2.3 U	UG/L	1.4
MW024	MW02	BARIUM	SW6010	71.2 J	UG/L	0.48
MW024	MW02	BERYLLIUM	SW6010	0.03 U	UG/L	0.025
MW024	MW02	CADMIUM	SW6010	0.22 J	UG/L	0.085
MW024	MW02	CALCIUM	SW6010	37300 =	UG/L	23.7
MW024	MW02	CHROMIUM TOTAL	SW6010	4 U	UG/L	1
MW024	MW02	COBALT	SW6010	1.1 U	UG/L	0.5
MW024	MW02	COPPER	SW6010	3.5 U	UG/L	1
MW024	MW02	IRON	SW6010	1300 =	UG/L	3.6
MW024	MW02	LEAD	SW6010	1.3 U	UG/L	1.3
MW024	MW02	MAGNESIUM	SW6010	18400 =	UG/L	6.2
MW024	MW02	MANGANESE	SW6010	28.7 =	UG/L	0.53
MW024	MW02	NICKEL	SW6010	1.8 U	UG/L	0.32
MW024	MW02	POTASSIUM	SW6010	824 U	UG/L	824
MW024	MW02	SELENIUM	SW6010	1.6 U	UG/L	1.6
MW024	MW02	SILVER	SW6010	0.5 U	UG/L	0.5
MW024	MW02	SODIUM	SW6010	18000 =	UG/L	114.2
MW024	MW02	THALLIUM	SW6010	1.6 U	UG/L	1.6
MW024	MW02	VANADIUM	SW6010	2.2 J	UG/L	0.31
MW024	MW02	ZINC	SW6010	8.6 U	UG/L	1.1
MW024	MW02	MERCURY	SW7470	0.1 U	UG/L	0.1
MW024	MW02	1,1,1-TRICHLOROETHANE	SW8260	10 U	UG/L	10
MW024	MW02	1,1,2-TETRACHLOROETHANE	SW8260	10 U	UG/L	10
MW024	MW02	1,1,2-TRICHLOROETHANE	SW8260	10 U	UG/L	10
MW024	MW02	1,1-DICHLOROETHANE	SW8260	10 U	UG/L	10
MW024	MW02	1,2-DICHLOROETHANE	SW8260	10 U	UG/L	10
MW024	MW02	1,2-DICHLOROPROPANE	SW8260	10 U	UG/L	10
MW024	MW02	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	100	UG/L	0
MW024	MW02	2-HEXANONE	SW8260	10 U	UG/L	10
MW024	MW02	ACETONE	SW8260	10 U	UG/L	10
MW024	MW02	BENZENE	SW8260	10 U	UG/L	10
MW024	MW02	BROMODICHLOROMETHANE	SW8260	10 U	UG/L	10
MW024	MW02	BROMOFORM	SW8260	10 U	UG/L	10
MW024	MW02	BROMOMETHANE	SW8260	10 U	UG/L	10
MW024	MW02	CARBON DISULFIDE	SW8260	10 U	UG/L	10
MW024	MW02	CARBON TETRACHLORIDE	SW8260	10 U	UG/L	10
MW024	MW02	CHLOROBENZENE	SW8260	10 U	UG/L	10
MW024	MW02	CHLOROETHANE	SW8260	10 U	UG/L	10
MW024	MW02	CHLOROFORM	SW8260	10 U	UG/L	10
MW024	MW02	CHLOROMETHANE	SW8260	10 U	UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Protect Qualifier	Units	Detection Limit
MW024	MW02	cis-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW024	MW02	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW024	MW02	DIBROMOFUOROMETHANE	SW8260	10 U		UG/L	0
MW024	MW02	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW024	MW02	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW024	MW02	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW024	MW02	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW024	MW02	STYRENE	SW8260	10 U		UG/L	10
MW024	MW02	TETRACHLOROETHYLENE (PCE)	SW8260	10 U		UG/L	10
MW024	MW02	TOLUENE	SW8260	10 U		UG/L	10
MW024	MW02	TOLUENE-D8	SW8260	10 U		UG/L	0
MW024	MW02	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW024	MW02	Total Xylenes	SW8260	10 U		UG/L	10
MW024	MW02	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW024	MW02	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW024	MW02	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW024D	MW02	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW024D	MW02	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW024D	MW02	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW024D	MW02	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW024D	MW02	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW024D	MW02	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW024D	MW02	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW024D	MW02	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	10 U		UG/L	0
MW024D	MW02	2-HEXANONE	SW8260	10 U		UG/L	10
MW024D	MW02	ACETONE	SW8260	10 U		UG/L	10
MW024D	MW02	BENZENE	SW8260	10 U		UG/L	10
MW024D	MW02	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW024D	MW02	BROMOFORM	SW8260	10 U		UG/L	10
MW024D	MW02	BROMOMETHANE	SW8260	10 U		UG/L	10
MW024D	MW02	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW024D	MW02	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW024D	MW02	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW024D	MW02	CHLOROETHANE	SW8260	10 U		UG/L	10
MW024D	MW02	CHLOROFORM	SW8260	10 U		UG/L	10
MW024D	MW02	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW024D	MW02	CS-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW024D	MW02	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW024D	MW02	DIBROMOFUOROMETHANE	SW8260	10 U		UG/L	0
MW024D	MW02	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW024D	MW02	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW024D	MW02	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW024D	MW02	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW024D	MW02	STYRENE	SW8260	10 U		UG/L	10
MW024D	MW02	TETRACHLOROETHYLENE(PCE)	SW8260	10 U		UG/L	10
MW024D	MW02	TOLUENE	SW8260	10 U		UG/L	10
MW024D	MW02	TOLUENE-D8	SW8260	10 U		UG/L	10
MW024D	MW02	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW024D	MW02	Total Xylenes	SW8260	10 U		UG/L	10
MW024D	MW02	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW024D	MW02	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW024D	MW02	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW034	MW03	NITROGEN, AMMONIA (AS N)	E350.2	0.2 U		MG/L	0.2
MW034	MW03	NITROGEN, NITRATE-NITRITE	E353.2	3.04 =		MG/L	0.1
MW034	MW03	TOTAL ORGANIC CARBON	E415.2	1 U		MG/L	1
MW034	MW03	ALUMINUM	SW6010	125 J		UG/L	7.9
MW034	MW03	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW034	MW03	ARSENIC	SW6010	1.9 U		UG/L	1.4
MW034	MW03	BARIUM	SW6010	108 J		UG/L	0.46
MW034	MW03	BERYLLIUM	SW6010	0.04 U		UG/L	0.025
MW034	MW03	CADMIUM	SW6010	0.1 U		UG/L	0.1
MW034	MW03	CALCIUM	SW6010	22600 =		UG/L	23.7
MW034	MW03	CHROMIUM, TOTAL	SW6010	3.6 U		UG/L	1
MW034	MW03	COBALT	SW6010	9.4 U		UG/L	0.5
MW034	MW03	COPPER	SW6010	2.2 U		UG/L	1
MW034	MW03	IRON	SW6010	694 =		UG/L	3.6
MW034	MW03	LEAD	SW6010	1.3 U		UG/L	1.3
MW034	MW03	MAGNESIUM	SW6010	12000 =		UG/L	6.2
MW034	MW03	MANGANESE	SW6010	1.9 J		UG/L	0.53
MW034	MW03	NICKEL	SW6010	0.76 U		UG/L	0.32
MW034	MW03	POTASSIUM	SW6010	1250 J		UG/L	824.5
MW034	MW03	SILVER	SW6010	1.6 U		UG/L	1.6
MW034	MW03	SODIUM	SW6010	0.6 U		UG/L	0.5
MW034	MW03	THALLIUM	SW6010	18200 =		UG/L	114.2
MW034	MW03	VANADIUM	SW6010	1.6 U		UG/L	1.6
MW034	MW03	ZINC	SW6010	0.78 J		UG/L	0.31
MW034	MW03	MERCURY	SW7470	7.8 U		UG/L	1.1
MW034	MW03	1,1,1-TRICHLOROETHANE	SW8260	0.1 U		UG/L	0.1
MW034	MW03	1,1,2-TETRACHLOROETHANE	SW8260	1 J		UG/L	10
MW034	MW03	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW034	MW03	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW034	MW03	1,1-DICHLOROETHENE	SW8260	25 =		UG/L	10
MW034	MW03	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW034	MW03	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW034	MW03	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	104		UG/L	0

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW034	MW03	2-HEXANONE	SW8260	10 U		UG/L	10
MW034	MW03	ACETONE	SW8260	10 U		UG/L	10
MW034	MW03	BENZENE	SW8260	10 U		UG/L	10
MW034	MW03	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW034	MW03	BROMOFORM	SW8260	10 U		UG/L	10
MW034	MW03	BROMOMETHANE	SW8260	10 U		UG/L	10
MW034	MW03	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW034	MW03	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW034	MW03	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW034	MW03	CHLOROETHANE	SW8260	10 U		UG/L	10
MW034	MW03	CHLOROFORM	SW8260	9 J		UG/L	10
MW034	MW03	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW034	MW03	CB-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW034	MW03	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW034	MW03	DIBROMOFLUOROMETHANE	SW8260	107		UG/L	0
MW034	MW03	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW034	MW03	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW034	MW03	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW034	MW03	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW034	MW03	STYRENE	SW8260	10 U		UG/L	10
MW034	MW03	TETRACHLOROETHYLENE (PCE)	SW8260	38 =		UG/L	10
MW034	MW03	TOLUENE	SW8260	10 U		UG/L	10
MW034	MW03	TOLUENE-D8	SW8260	107		UG/L	0
MW034	MW03	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW034	MW03	Total Xylenes	SW8260	10 U		UG/L	10
MW034	MW03	Trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW034	MW03	TRICHLOROETHYLENE (TCE)	SW8260	18 =		UG/L	10
MW034	MW03	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW034	MW03	CHLORIDE (AS CL)	SW9056	19.9 =		MG/L	0.1
MW034	MW03	SULFATE (AS SO4)	SW9056	50.7 =		MG/L	0.2
MW044	MW04	ALUMINIUM	SW6010	165 U		UG/L	7.9
MW044	MW04	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW044	MW04	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW044	MW04	BARIUM	SW6010	41.3 J		UG/L	0.48
MW044	MW04	BERYLLIUM	SW6010	0.06 U		UG/L	0.025
MW044	MW04	CADMIUM	SW6010	0.1 U		UG/L	0.1
MW044	MW04	CALCIUM	SW6010	10400 =		UG/L	23.7
MW044	MW04	CHROMIUM TOTAL	SW6010	2.6 J		UG/L	1
MW044	MW04	COBALT	SW6010	0.5 U		UG/L	0.5
MW044	MW04	COPPER	SW6010	2.4 U		UG/L	1
MW044	MW04	IRON	SW6010	706 =		UG/L	3.6
MW044	MW04	LEAD	SW6010	1.3 U		UG/L	1.3
MW044	MW04	MAGNESIUM	SW6010	5520 =		UG/L	6.2

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID #	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MWD44	MWD4	MANGANESE	SW6010	2.7 J		UG/L	0.53
MWD44	MWD4	NICKEL	SW6010	0.82 U		UG/L	0.32
MWD44	MWD4	POTASSIUM	SW6010	824 U		UG/L	824
MWD44	MWD4	SELENIUM	SW6010	1.5 U		UG/L	1.6
MWD44	MWD4	SILVER	SW6010	0.5 U		UG/L	0.5
MWD44	MWD4	SODIUM	SW6010	20400 *		UG/L	1142
MWD44	MWD4	THALLIUM	SW6010	1.6 U		UG/L	1.6
MWD44	MWD4	VANADIUM	SW6010	0.68 J		UG/L	0.31
MWD44	MWD4	ZINC	SW6010	3.8 U		UG/L	1.1
MWD44	MWD4	MERCURY	SW7470	0.1 U		UG/L	0.1
MWD44	MWD4	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MWD44	MWD4	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MWD44	MWD4	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MWD44	MWD4	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MWD44	MWD4	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MWD44	MWD4	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MWD44	MWD4	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MWD44	MWD4	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	10 U		UG/L	0
MWD44	MWD4	2-HEXANONE	SW8260	10 U		UG/L	10
MWD44	MWD4	ACETONE	SW8260	10 U		UG/L	10
MWD44	MWD4	BENZENE	SW8260	10 U		UG/L	10
MWD44	MWD4	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MWD44	MWD4	BROMOFORM	SW8260	10 U		UG/L	10
MWD44	MWD4	BROMOMETHANE	SW8260	10 U		UG/L	10
MWD44	MWD4	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MWD44	MWD4	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MWD44	MWD4	CHLOROBENZENE	SW8260	10 U		UG/L	10
MWD44	MWD4	CHLOROETHANE	SW8260	10 U		UG/L	10
MWD44	MWD4	CHLOROFORM	SW8260	10 U		UG/L	10
MWD44	MWD4	CHLOROMETHANE	SW8260	10 U		UG/L	10
MWD44	MWD4	cis-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MWD44	MWD4	DI-BROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MWD44	MWD4	DI-BROMOFLUOROMETHANE	SW8260	96		UG/L	0
MWD44	MWD4	ETHYLBENZENE	SW8260	10 U		UG/L	10
MWD44	MWD4	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MWD44	MWD4	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MWD44	MWD4	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MWD44	MWD4	STYRENE	SW8260	10 U		UG/L	10
MWD44	MWD4	TETRACHLOROETHYLENE (PCE)	SW8260	72 *		UG/L	10
MWD44	MWD4	TOLUENE	SW8260	10 U		UG/L	10
MWD44	MWD4	TOLUENE-D8	SW8260	103		UG/L	0
MWD44	MWD4	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MWD44	MWD4	Total Xylenes	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW044	MW04	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW044	MW04	TRICHLOROETHYLENE (TCE)	SW8260	3 J		UG/L	10
MW044	MW04	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW054	MW05	IODIDE (As I)	A4500	0.5 U		MG/L	0.5
MW054	MW05	ALUMINUM	SW6010	87.7 U		UG/L	7.9
MW054	MW05	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW054	MW05	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW054	MW05	BARIUM	SW6010	62.3 J		UG/L	0.48
MW054	MW05	BERYLLIUM	SW6010	0.04 U		UG/L	0.025
MW054	MW05	CADMIUM	SW6010	0.1 U		UG/L	0.1
MW054	MW05	CALCIUM	SW6010	1400 =		UG/L	23.7
MW054	MW05	CHROMIUM TOTAL	SW6010	4.1 J		UG/L	1
MW054	MW05	COBALT	SW6010	0.5 U		UG/L	0.5
MW054	MW05	COPPER	SW6010	1 U		UG/L	1
MW054	MW05	IRON	SW6010	314 U		UG/L	3.8
MW054	MW05	LEAD	SW6010	1.3 U		UG/L	1.3
MW054	MW05	MAGNESIUM	SW6010	7980 =		UG/L	6.2
MW054	MW05	MANGANESE	SW6010	2.1 J		UG/L	0.53
MW054	MW05	NICKEL	SW6010	4 U		UG/L	0.32
MW054	MW05	POTASSIUM	SW6010	824 U		UG/L	824
MW054	MW05	SELENIUM	SW6010	1.8 U		UG/L	1.6
MW054	MW05	SILVER	SW6010	0.5 U		UG/L	0.5
MW054	MW05	SODIUM	SW6010	28300 =		UG/L	114.2
MW054	MW05	THALLIUM	SW6010	1.8 U		UG/L	1.6
MW054	MW05	VANADIUM	SW6010	0.48 J		UG/L	0.31
MW054	MW05	ZINC	SW6010	6.6 U		UG/L	1.1
MW054	MW05	MERCURY	SW7470	0.1 U		UG/L	0.1
MW054	MW05	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW054	MW05	1,1,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW054	MW05	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW054	MW05	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW054	MW05	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW054	MW05	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW054	MW05	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	100		UG/L	0
MW054	MW05	2-HEXANONE	SW8260	10 U		UG/L	10
MW054	MW05	ACETONE	SW8260	10 U		UG/L	10
MW054	MW05	BENZENE	SW8260	10 U		UG/L	10
MW054	MW05	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW054	MW05	BROMOFORM	SW8260	10 U		UG/L	10
MW054	MW05	BROMOMETHANE	SW8260	10 U		UG/L	10
MW054	MW05	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW054	MW05	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quotient	Units	Detection Limit
MW054	MW05	CHLOROETHANE	SW8260	10 U		UG/L	10
MW054	MW05	CHLOROETHANE	SW8260	10 U		UG/L	10
MW054	MW05	CHLOROFORM	SW8260	3 J		UG/L	10
MW054	MW05	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW054	MW05	CIS-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW054	MW05	DI Bromochloromethane	SW8260	10 U		UG/L	10
MW054	MW05	DI Bromofluoromethane	SW8260	99		UG/L	0
MW054	MW05	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW054	MW05	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW054	MW05	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW054	MW05	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW054	MW05	STYRENE	SW8260	10 U		UG/L	10
MW054	MW05	TETRACHLOROETHYLENE (PCE)	SW8260	65 =		UG/L	10
MW054	MW05	TOLUENE	SW8260	10 U		UG/L	10
MW054	MW05	TOLUENE D8	SW8260	106		UG/L	0
MW054	MW05	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW054	MW05	Total Xylenes	SW8260	10 U		UG/L	10
MW054	MW05	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW054	MW05	TRICHLOROETHYLENE (TCE)	SW8260	5 J		UG/L	10
MW054	MW05	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW054	MW05	1,2,4-TRICHLOROETHYLENE	SW8270	10 U		UG/L	10
MW054	MW05	1,2-DICHLOROETHYLENE	SW8270	10 U		UG/L	10
MW054	MW05	1,3-DICHLOROETHYLENE	SW8270	10 U		UG/L	10
MW054	MW05	1,4-DICHLOROETHYLENE	SW8270	10 U		UG/L	10
MW054	MW05	2,2-DYBISKI-CHLOROPROPANE	SW8270	10 U		UG/L	10
MW054	MW05	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW054	MW05	2,4,6-TRIBROMOPHENOL	SW8270	56		UG/L	0
MW054	MW05	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW054	MW05	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW054	MW05	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW054	MW05	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW054	MW05	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW054	MW05	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW054	MW05	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW054	MW05	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW054	MW05	2-FLUOROPHENYL	SW8270	62		UG/L	0
MW054	MW05	2-FLUOROPHENOL	SW8270	52		UG/L	0
MW054	MW05	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW054	MW05	2-METHYLPHENOL (O-CRESOL)	SW8270	10 U		UG/L	10
MW054	MW05	2-NITROANILINE	SW8270	50 U		UG/L	50
MW054	MW05	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW054	MW05	3,3-DICHLOROETHYLENE	SW8270	20 U		UG/L	20
MW054	MW05	3-NITROANILINE	SW8270	50 U		UG/L	50

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quarter	Units	Detection Limit
MW054	MW05	4,4-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW054	MW05	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW054	MW05	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW054	MW05	4-CHLORANILINE	SW8270	10 U		UG/L	10
MW054	MW05	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW054	MW05	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW054	MW05	4-NITROANILINE	SW8270	50 U		UG/L	50
MW054	MW05	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW054	MW05	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW054	MW05	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW054	MW05	ANTHRACENE	SW8270	10 U		UG/L	10
MW054	MW05	BENZO(a)ANTHRACENE	SW8270	10 U		UG/L	10
MW054	MW05	BENZO(b)PYRENE	SW8270	10 U		UG/L	10
MW054	MW05	BENZO(b)FLUORANTHENE	SW8270	10 U		UG/L	10
MW054	MW05	BENZO(g,h,i)PERYLENE	SW8270	10 U		UG/L	10
MW054	MW05	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW054	MW05	BENYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW054	MW05	bis(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW054	MW05	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW054	MW05	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10 U		UG/L	10
MW054	MW05	CARBAZOLE	SW8270	10 U		UG/L	10
MW054	MW05	CHRYSENE	SW8270	10 U		UG/L	10
MW054	MW05	Di-n-BUTYL PHTHALATE	SW8270	2 U		UG/L	10
MW054	MW05	Di-n-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW054	MW05	DI-BENZO(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW054	MW05	DI-BENZOFURAN	SW8270	10 U		UG/L	10
MW054	MW05	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW054	MW05	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW054	MW05	FLUORANTHENE	SW8270	10 U		UG/L	10
MW054	MW05	FLUORENE	SW8270	10 U		UG/L	10
MW054	MW05	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW054	MW05	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW054	MW05	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW054	MW05	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW054	MW05	INDENOX(1,2,3-c)PYRENE	SW8270	10 U		UG/L	10
MW054	MW05	ISOPHORONE	SW8270	10 U		UG/L	10
MW054	MW05	N-NITROSDI-n-PROPYLAMINE	SW8270	10 U		UG/L	10
MW054	MW05	N-NITROSDIPHENYLAMINE	SW8270	10 U		UG/L	10
MW054	MW05	NAPHTHALENE	SW8270	10 U		UG/L	10
MW054	MW05	NITROBENZENE	SW8270	10 U		UG/L	10
MW054	MW05	NITROBENZENE-O5	SW8270	6 U		UG/L	10
MW054	MW05	PENTAChLOROPHENOL	SW8270	5 U		UG/L	5
MW054	MW05	PHENANTHRENE	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW054	MW05	PHENOL	SW8270	10 U		UG/L	10
MW054	MW05	PHENOL-D5	SW8270	58		UG/L	0
MW054	MW05	PYRENE	SW8270	10 U		UG/L	10
MW054	MW05	TERPHENYL-D14	SW8270	62		UG/L	0
MW054	MW06	ALUMINUM	SW6010	156 U		UG/L	7.9
MW054	MW06	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW054	MW06	ARSENIC	SW6010	2.1 U		UG/L	1.4
MW054	MW06	BARIUM	SW6010	199 J		UG/L	D.48
MW054	MW06	BERYLLIUM	SW6010	0.02 U		UG/L	0.02
MW054	MW06	CADMIUM	SW6010	0.46 J		UG/L	0.085
MW054	MW06	CALCIUM	SW6010	95900 *		UG/L	23.7
MW054	MW06	CHROMIUM TOTAL	SW6010	3.4 U		UG/L	1
MW054	MW06	COBALT	SW6010	6.5 J		UG/L	0.5
MW054	MW06	COPPER	SW6010	3.1 U		UG/L	1
MW054	MW06	IRON	SW6010	340 =		UG/L	3.6
MW054	MW06	LEAD	SW6010	1.3 U		UG/L	1.3
MW054	MW06	MAGNESIUM	SW6010	17700 =		UG/L	6.2
MW054	MW06	MANGANESE	SW6010	3040 =		UG/L	0.53
MW054	MW06	NICKEL	SW6010	8.1 U		UG/L	0.32
MW054	MW06	POTASSIUM	SW6010	824 U		UG/L	824
MW054	MW06	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW054	MW06	SILVER	SW6010	0.5 U		UG/L	0.5
MW054	MW06	SODIUM	SW6010	19700 =		UG/L	114.2
MW054	MW06	THALLIUM	SW6010	1.6 U		UG/L	1.6
MW054	MW06	VANADIUM	SW6010	0.3 U		UG/L	0.3
MW054	MW06	ZINC	SW6010	7.1 U		UG/L	1.1
MW054	MW06	MERCURY	SW7470	0.25 =		UG/L	0.1
MW054	MW06	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW054	MW06	1,1,2-TETRACHLOROETHANE	SW8260	130 =		UG/L	10
MW054	MW06	1,1,2-TRICHLOROETHANE	SW8260	5 J		UG/L	10
MW054	MW06	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW054	MW06	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW054	MW06	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW054	MW06	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW054	MW06	1-BROMO-4-FLUOROBENZENE (2-BROMOFLUOROBENZENE)	SW8260	10 U		UG/L	10
MW054	MW06	2-HEXANONE	SW8260	10 U		UG/L	10
MW054	MW06	ACETONE	SW8260	10 U		UG/L	10
MW054	MW06	BENZENE	SW8260	10 U		UG/L	10
MW054	MW06	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW054	MW06	BROMOFORM	SW8260	10 U		UG/L	10
MW054	MW06	BROMOMETHANE	SW8260	10 U		UG/L	10
MW054	MW06	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW054	MW06	CARBON TETRACHLORIDE	SW8260	15 =		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW004	MW005	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW004	MW005	CHLOROETHANE	SW8260	10 U		UG/L	10
MW004	MW005	CHLOROFORM	SW8260	6 J		UG/L	10
MW004	MW005	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW004	MW005	Ch-1,3-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW004	MW005	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW004	MW005	DIBROMOFLUOROMETHANE	SW8260	97		UG/L	0
MW004	MW005	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW004	MW005	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW004	MW005	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW004	MW005	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW004	MW005	STYRENE	SW8260	10 U		UG/L	10
MW004	MW005	TETRACHLOROETHYLENE(PCE)	SW8260	1 J		UG/L	10
MW004	MW005	TOLUENE	SW8260	10 U		UG/L	10
MW004	MW005	TOLUENE-D8	SW8260	105		UG/L	10
MW004	MW005	TOTAL 1,2-DICHLOROETHENE	SW8260	150 =		UG/L	10
MW004	MW005	Total Xylenes	SW8260	10 U		UG/L	10
MW004	MW005	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW004	MW005	TRICHLOROETHYLENE (TCE)	SW8260	94 =		UG/L	10
MW004	MW005	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW004	MW005	1,2,4-TRICHLOROBENZENE	SW8270	10 R		UG/L	10
MW004	MW005	1,2-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW004	MW005	1,3-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW004	MW005	1,4-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW004	MW005	2,2'-OXYBIS(1-CHLOROPROPANE)	SW8270	10 R		UG/L	10
MW004	MW005	2,4,5-TRICHLOROPHENOL	SW8270	50 R		UG/L	50
MW004	MW005	2,4,6-TRIBROMOPHENOL	SW8270	8		UG/L	0
MW004	MW005	2,4,6-TRICHLOROPHENOL	SW8270	10 R		UG/L	10
MW004	MW005	2,4-DICHLOROPHENOL	SW8270	10 R		UG/L	10
MW004	MW005	2,4-DIMETHYLPHENOL	SW8270	10 R		UG/L	10
MW004	MW005	2,4-DINITROPHENOL	SW8270	50 R		UG/L	50
MW004	MW005	2,4-DINITROTOLUENE	SW8270	10 R		UG/L	10
MW004	MW005	2,6-DINITROTOLUENE	SW8270	10 R		UG/L	10
MW004	MW005	2-CHLORONAPHTHALENE	SW8270	10 R		UG/L	10
MW004	MW005	2-CHLOROPHENOL	SW8270	10 R		UG/L	10
MW004	MW005	2-FLUOROBIPHENYL	SW8270	73		UG/L	0
MW004	MW005	2-FLUOROPHENOL	SW8270	6		UG/L	0
MW004	MW005	2-METHYLNAPHTHALENE	SW8270	10 R		UG/L	10
MW004	MW005	2-METHYLPHENOL (o-CRESOL)	SW8270	10 R		UG/L	10
MW004	MW005	2-NITROANILINE	SW8270	50 R		UG/L	50
MW004	MW005	2-NITROPHENOL	SW8270	10 R		UG/L	10
MW004	MW005	3,3'-DICHLOROBENZIDINE	SW8270	20 R		UG/L	20
MW004	MW005	3-NITROANILINE	SW8270	50 R		UG/L	50

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW064	MW06	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 R		UG/L	50
MW064	MW06	4-BROMOPHENYL PHENYL ETHER	SW8270	10 R		UG/L	10
MW064	MW06	4-CHLORO-3-METHYLPHENOL	SW8270	10 R		UG/L	10
MW064	MW06	4-CHLOROANILINE	SW8270	10 R		UG/L	10
MW064	MW06	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 R		UG/L	10
MW064	MW06	4-METHYLPHENOL (p-CRESOL)	SW8270	10 R		UG/L	10
MW064	MW06	4-NITROANILINE	SW8270	50 R		UG/L	50
MW064	MW06	4-NITROPHENOL	SW8270	50 R		UG/L	50
MW064	MW06	ACENAPHTHENE	SW8270	10 R		UG/L	10
MW064	MW06	ACENAPHTHYLENE	SW8270	10 R		UG/L	10
MW064	MW06	ANTHRACENE	SW8270	10 R		UG/L	10
MW064	MW06	BENZOGUANTHRACENE	SW8270	10 R		UG/L	10
MW064	MW06	BENZOPYRENE	SW8270	10 R		UG/L	10
MW064	MW06	BENZOFURANTHENE	SW8270	10 R		UG/L	10
MW064	MW06	BENZOFURANTHENE	SW8270	10 R		UG/L	10
MW064	MW06	BENZYL BUTYL PHTHALATE	SW8270	10 R		UG/L	10
MW064	MW06	BIS(2-CHLOROETHOXY) METHANE	SW8270	10 R		UG/L	10
MW064	MW06	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 R		UG/L	10
MW064	MW06	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270	10 R		UG/L	10
MW064	MW06	CARBAZOLE	SW8270	10 R		UG/L	10
MW064	MW06	CHRYSENE	SW8270	10 R		UG/L	10
MW064	MW06	DI-n-BUTYL PHTHALATE	SW8270	2 R		UG/L	10
MW064	MW06	DI-n-OCTYL PHTHALATE	SW8270	10 R		UG/L	10
MW064	MW06	DIBENZ(a,h)ANTHRACENE	SW8270	10 R		UG/L	10
MW064	MW06	DIBENZOFLURAN	SW8270	10 R		UG/L	10
MW064	MW06	DIETHYL PHTHALATE	SW8270	10 R		UG/L	10
MW064	MW06	DIMETHYL PHTHALATE	SW8270	10 R		UG/L	10
MW064	MW06	FLUORANTHENE	SW8270	10 R		UG/L	10
MW064	MW06	FLUORENE	SW8270	10 R		UG/L	10
MW064	MW06	HEXACHLOROBENZENE	SW8270	10 R		UG/L	10
MW064	MW06	HEXACHLOROBUTADIENE	SW8270	10 R		UG/L	10
MW064	MW06	HEXACHLOROCYCLOPENTADIENE	SW8270	10 R		UG/L	10
MW064	MW06	HEXACHLOROCYCLOHEPTADIENE	SW8270	10 R		UG/L	10
MW064	MW06	INDENYL 2,3-DIPIRENE	SW8270	10 R		UG/L	10
MW064	MW06	ISOPHORONE	SW8270	10 R		UG/L	10
MW064	MW06	N-NITROSODI-n-PROPYLAMINE	SW8270	10 R		UG/L	10
MW064	MW06	N-NITROSODIPHENYLAMINE	SW8270	10 R		UG/L	10
MW064	MW06	NAPHTHALENE	SW8270	10 R		UG/L	10
MW064	MW06	NITROBENZENE	SW8270	10 R		UG/L	10
MW064	MW06	NITROBENZENE-O5	SW8270	7 R		UG/L	10
MW064	MW06	PENTACHLOROPHENOL	SW8270	5 R		UG/L	5
MW064	MW06	PHENANTHRENE	SW8270	10 R		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW064	MW06	PHENOL	SW8270	10 R		UG/L	10
MW064	MW06	PHENOL-D5	SW8270	32		UG/L	0
MW064	MW06	PYRENE	SW8270	10 R		UG/L	10
MW064	MW06	TERPHENYL-D14	SW8270	76		UG/L	0
MW064RE	MW06	1,2,4-TRICHLOROBENZENE	SW8270	10 R		UG/L	10
MW064RE	MW06	1,2-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW064RE	MW06	1,3-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW064RE	MW06	1,4-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW064RE	MW06	2,2-OXYBIS(1-CHLOROPROPANE)	SW8270	10 R		UG/L	10
MW064RE	MW06	2,4,5-TRICHLOROPHENOL	SW8270	50 R		UG/L	50
MW064RE	MW06	2,4,6-TRIBROMOPHENOL	SW8270	42		UG/L	0
MW064RE	MW06	2,4,6-TRICHLOROPHENOL	SW8270	10 R		UG/L	10
MW064RE	MW06	2,4-DICHLOROPHENOL	SW8270	10 R		UG/L	10
MW064RE	MW06	2,4-DIMETHYLPHENOL	SW8270	10 R		UG/L	10
MW064RE	MW06	2,4-DINITROPHENOL	SW8270	50 R		UG/L	50
MW064RE	MW06	2,4-DINITROTOLUENE	SW8270	10 R		UG/L	10
MW064RE	MW06	2,6-DINITROTOLUENE	SW8270	10 R		UG/L	10
MW064RE	MW06	2-CHLORONAPHTHALENE	SW8270	10 R		UG/L	10
MW064RE	MW06	2-CHLOROPHENOL	SW8270	10 R		UG/L	10
MW064RE	MW06	2-FLUOROBIPHENYL	SW8270	93		UG/L	0
MW064RE	MW06	2-FLUOROPHENOL	SW8270	5		UG/L	0
MW064RE	MW06	2-METHYLNAPHTHALENE	SW8270	10 R		UG/L	10
MW064RE	MW06	2-METHYLPHENOL (O-CRESOL)	SW8270	10 R		UG/L	10
MW064RE	MW06	2-NITROANILINE	SW8270	50 R		UG/L	50
MW064RE	MW06	2-NITROPHENOL	SW8270	10 R		UG/L	10
MW064RE	MW06	3,3-DICHLOROBENZENE	SW8270	20 R		UG/L	20
MW064RE	MW06	3-NITROANILINE	SW8270	50 R		UG/L	50
MW064RE	MW06	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 R		UG/L	50
MW064RE	MW06	4-BROMOPHENYL PHENYL ETHER	SW8270	10 R		UG/L	10
MW064RE	MW06	4-CHLORO-3-METHYLPHENOL	SW8270	10 R		UG/L	10
MW064RE	MW06	4-CHLOROANILINE	SW8270	10 R		UG/L	10
MW064RE	MW06	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 R		UG/L	10
MW064RE	MW06	4-METHYLPHENOL (P-CRESOL)	SW8270	10 R		UG/L	10
MW064RE	MW06	4-NITROANILINE	SW8270	50 R		UG/L	50
MW064RE	MW06	4-NITROPHENOL	SW8270	50 R		UG/L	50
MW064RE	MW06	ACENAPHTHENE	SW8270	10 R		UG/L	10
MW064RE	MW06	ACENAPHTHYLENE	SW8270	10 R		UG/L	10
MW064RE	MW06	ANTHRACENE	SW8270	10 R		UG/L	10
MW064RE	MW06	BENZO(G)ANTHRACENE	SW8270	10 R		UG/L	10
MW064RE	MW06	BENZO(G)PYRENE	SW8270	10 R		UG/L	10
MW064RE	MW06	BENZO(b)FLUORANTHENE	SW8270	10 R		UG/L	10
MW064RE	MW06	BENZO(b,h,i)PERYLENE	SW8270	10 R		UG/L	10
MW064RE	MW06	BENZO(k)FLUORANTHENE	SW8270	10 R		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Protect Qualifier	Units	Detection Limit
MW064RE	MW06	BENZYL BUTYL PHTHALATE	SW8270	10 R		UG/L	10
MW064RE	MW06	BI(2-CHLOROETHOXY) METHANE	SW8270	10 R		UG/L	10
MW064RE	MW06	BI(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 R		UG/L	10
MW064RE	MW06	BI(2-ETHYLHEXYL) PHTHALATE	SW8270	10 R		UG/L	10
MW064RE	MW06	CARBAZOLE	SW8270	10 R		UG/L	10
MW064RE	MW06	CHRYSENE	SW8270	10 R		UG/L	10
MW064RE	MW06	DI-N-BUTYL PHTHALATE	SW8270	10 R		UG/L	10
MW064RE	MW06	DI-N-OCTYL PHTHALATE	SW8270	10 R		UG/L	10
MW064RE	MW06	DIBENZ(2,3-DI)NAPHTHACENE	SW8270	10 R		UG/L	10
MW064RE	MW06	DIBENZOFURAN	SW8270	10 R		UG/L	10
MW064RE	MW06	DIETHYL PHTHALATE	SW8270	10 R		UG/L	10
MW064RE	MW06	DIMETHYL PHTHALATE	SW8270	10 R		UG/L	10
MW064RE	MW06	FLUORANTHENE	SW8270	10 R		UG/L	10
MW064RE	MW06	FLUORENE	SW8270	10 R		UG/L	10
MW064RE	MW06	HEXACHLOROBENZENE	SW8270	10 R		UG/L	10
MW064RE	MW06	HEXACHLOROBUTADIENE	SW8270	10 R		UG/L	10
MW064RE	MW06	HEXACHLOROCYCLOPENTADIENE	SW8270	10 R		UG/L	10
MW064RE	MW06	HEXACHLOROETHANE	SW8270	10 R		UG/L	10
MW064RE	MW06	INDENOX 1,2,3-c,d-PYRENE	SW8270	10 R		UG/L	10
MW064RE	MW06	ISOPHORONE	SW8270	10 R		UG/L	10
MW064RE	MW06	N-NITROSODI-N-PROPYLAMINE	SW8270	10 R		UG/L	10
MW064RE	MW06	N-NITROSODIPHENYLAMINE	SW8270	10 R		UG/L	10
MW064RE	MW06	NAPHTHALENE	SW8270	10 R		UG/L	10
MW064RE	MW06	NITROBENZENE	SW8270	10 R		UG/L	10
MW064RE	MW06	NITROBENZENE-O5	SW8270	103		UG/L	0
MW064RE	MW06	PENTACHLOROPHENOL	SW8270	5 R		UG/L	5
MW064RE	MW06	PHENANTHRENE	SW8270	10 R		UG/L	10
MW064RE	MW06	PHENOL	SW8270	10 R		UG/L	10
MW064RE	MW06	PHENOL-O5	SW8270	3		UG/L	0
MW064RE	MW06	PYRENE	SW8270	10 R		UG/L	10
MW064RE	MW06	TERPHENYL-D14	SW8270	100		UG/L	0
MW074	MW07	ALUMINIUM	SW6010	251 =		UG/L	7.9
MW074	MW07	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW074	MW07	ARSENIC	SW6010	4.1 U		UG/L	1.4
MW074	MW07	BARIUM	SW6010	63.6 J		UG/L	0.48
MW074	MW07	BERYLLIUM	SW6010	0.03 U		UG/L	0.025
MW074	MW07	CADMIUM	SW6010	0.32 U		UG/L	0.085
MW074	MW07	CALCIUM	SW6010	17800 =		UG/L	23.7
MW074	MW07	CHROMIUM TOTAL	SW6010	5.7 U		UG/L	1
MW074	MW07	COBALT	SW6010	0.5 U		UG/L	0.5
MW074	MW07	COPPER	SW6010	1 U		UG/L	1
MW074	MW07	IRON	SW6010	610 =		UG/L	3.6
MW074	MW07	LEAD	SW6010	1.3 U		UG/L	1.3

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW074	MW07	MAGNESIUM	SW6010	8710 =		UG/L	0.2
MW074	MW07	MANGANESE	SW6010	18 =		UG/L	0.53
MW074	MW07	NICKEL	SW6010	1.3 U		UG/L	0.32
MW074	MW07	POTASSIUM	SW6010	824 U		UG/L	824
MW074	MW07	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW074	MW07	SILVER	SW6010	0.5 U		UG/L	0.5
MW074	MW07	SODIUM	SW6010	21100 =		UG/L	114.2
MW074	MW07	THALLIUM	SW6010	2.9 U		UG/L	1.6
MW074	MW07	VANADIUM	SW6010	0.85 J		UG/L	0.31
MW074	MW07	ZINC	SW6010	20.2 =		UG/L	1.1
MW074	MW07	MERCURY	SW7470	0.1 U		UG/L	0.1
MW074	MW07	1,1,1-TRICHLOROETHANE	SW8260	2 J		UG/L	10
MW074	MW07	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW074	MW07	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW074	MW07	1,1-DICHLOROETHANE	SW8260	2 J		UG/L	10
MW074	MW07	1,1-DICHLOROETHENE	SW8260	47 =		UG/L	10
MW074	MW07	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW074	MW07	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW074	MW07	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	108		UG/L	0
MW074	MW07	2-HEXANONE	SW8260	10 U		UG/L	10
MW074	MW07	ACETONE	SW8260	10 U		UG/L	10
MW074	MW07	BENZENE	SW8260	10 U		UG/L	10
MW074	MW07	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW074	MW07	BROMOFORM	SW8260	10 U		UG/L	10
MW074	MW07	BROMOMETHANE	SW8260	10 U		UG/L	10
MW074	MW07	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW074	MW07	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW074	MW07	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW074	MW07	CHLOROETHANE	SW8260	10 U		UG/L	10
MW074	MW07	CHLOROFORM	SW8260	2 J		UG/L	10
MW074	MW07	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW074	MW07	CIS-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW074	MW07	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW074	MW07	DIBROMOFLUOROMETHANE	SW8260	94		UG/L	0
MW074	MW07	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW074	MW07	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW074	MW07	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW074	MW07	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW074	MW07	STYRENE	SW8260	10 U		UG/L	10
MW074	MW07	TETRACHLOROETHYLENE (PCE)	SW8260	76 =		UG/L	10
MW074	MW07	TOLUENE	SW8260	10 U		UG/L	10
MW074	MW07	TOLUENE-D8	SW8260	104		UG/L	0
MW074	MW07	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10

DDMT March 1996  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW074	MW07	Total Xylenes	SW8270	10 U		UG/L	10
MW074	MW07	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW074	MW07	TRICHLOROETHYLENE (ICE)	SW8260	31		UG/L	10
MW074	MW07	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW074	MW07	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW074	MW07	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW074	MW07	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW074	MW07	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW074	MW07	2,2-DYBIS(1-CHLOROPROPANE)	SW8270	10 U		UG/L	10
MW074	MW07	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW074	MW07	2,4,6-TRIBROMOPHENOL	SW8270	71		UG/L	0
MW074	MW07	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW074	MW07	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW074	MW07	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW074	MW07	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW074	MW07	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW074	MW07	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW074	MW07	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW074	MW07	2-FLUOROBIPHENYL	SW8270	90		UG/L	0
MW074	MW07	2-FLUOROPHENOL	SW8270	71		UG/L	0
MW074	MW07	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW074	MW07	2-METHYLPHENOL (o-CRESOL)	SW8270	10 U		UG/L	10
MW074	MW07	2-NITROANILINE	SW8270	50 U		UG/L	50
MW074	MW07	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW074	MW07	3,3'-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW074	MW07	3-NITROANILINE	SW8270	50 U		UG/L	50
MW074	MW07	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW074	MW07	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW074	MW07	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW074	MW07	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW074	MW07	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW074	MW07	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW074	MW07	4-NITROANILINE	SW8270	50 U		UG/L	50
MW074	MW07	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW074	MW07	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW074	MW07	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW074	MW07	ANTHRACENE	SW8270	10 U		UG/L	10
MW074	MW07	BENZOXANTHRACENE	SW8270	10 U		UG/L	10
MW074	MW07	BENZOPYRENE	SW8270	10 U		UG/L	10
MW074	MW07	BENZODIFLORANTHENE	SW8270	10 U		UG/L	10
MW074	MW07	BENZOXANTHOPYLENE	SW8270	10 U		UG/L	10
MW074	MW07	BENZOXIFLORANTHENE	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW074	MW07	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW074	MW07	BR(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW074	MW07	BR(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW074	MW07	BR(2-ETHYLHEXYL) PHTHALATE	SW8270	2 J		UG/L	10
MW074	MW07	CARBAZOLE	SW8270	10 U		UG/L	10
MW074	MW07	CHRYSENE	SW8270	10 U		UG/L	10
MW074	MW07	DI-n-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW074	MW07	DI-n-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW074	MW07	DBENZ(1,2,3)ANTHRACENE	SW8270	10 U		UG/L	10
MW074	MW07	DBENZOFURAN	SW8270	10 U		UG/L	10
MW074	MW07	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW074	MW07	DMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW074	MW07	FLUORANTHENE	SW8270	10 U		UG/L	10
MW074	MW07	FLUORENE	SW8270	10 U		UG/L	10
MW074	MW07	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW074	MW07	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW074	MW07	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW074	MW07	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW074	MW07	INDENYL 2,3-c,d PYRENE	SW8270	10 U		UG/L	10
MW074	MW07	ISOPHORONE	SW8270	10 U		UG/L	10
MW074	MW07	N-NITROSO-n-PROPYLAMINE	SW8270	10 U		UG/L	10
MW074	MW07	N-NITROSDIPHENYLAMINE	SW8270	10 U		UG/L	10
MW074	MW07	NAPHTHALENE	SW8270	10 U		UG/L	10
MW074	MW07	NITROBENZENE	SW8270	10 U		UG/L	10
MW074	MW07	NITROBENZENE-D5	SW8270	97		UG/L	10
MW074	MW07	PENTACHLOROPHENOL	SW8270	5 U		UG/L	5
MW074	MW07	PHENANTHRENE	SW8270	10 U		UG/L	10
MW074	MW07	PHENOL	SW8270	10 U		UG/L	10
MW074	MW07	PHENOL-D5	SW8270	77		UG/L	0
MW074	MW07	PYRENE	SW8270	10 U		UG/L	10
MW074	MW07	TERPHENYL-D14	SW8270	92		UG/L	0
MW084	MW08	NITROGEN AMMONIA (AS N)	E350.2	0.2 U		MG/L	0.2
MW084	MW08	NITROGEN NITRATE-NITRITE	E353.2	1.81 =		MG/L	0.05
MW084	MW08	TOTAL ORGANIC CARBON	E415.2	1 U		MG/L	1
MW084	MW08	ALUMINIUM	SW6010	3380 =		UG/L	7.9
MW084	MW08	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW084	MW08	ARSENIC	SW6010	3.1 U		UG/L	1.4
MW084	MW08	BARIUM	SW6010	62.5 J		UG/L	0.48
MW084	MW08	BERYLLIUM	SW6010	0.02 U		UG/L	0.02
MW084	MW08	CADMIUM	SW6010	0.7 J		UG/L	0.085
MW084	MW08	CALCIUM	SW6010	15000 =		UG/L	23.7
MW084	MW08	CHROMIUM TOTAL	SW6010	7.8 J		UG/L	1
MW084	MW08	COBALT	SW6010	1.5 U		UG/L	0.5

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW084	MW08	COPPER	SW6010	4.6 U		UG/L	1
MW084	MW08	IRON	SW6010	4170 =		UG/L	3.6
MW084	MW08	LEAD	SW6010	2.1 U		UG/L	1.3
MW084	MW08	MAGNESIUM	SW6010	6800 =		UG/L	6.2
MW084	MW08	MANGANESE	SW6010	52.8 =		UG/L	0.53
MW084	MW08	NICKEL	SW6010	2.8 U		UG/L	0.32
MW084	MW08	POTASSIUM	SW6010	824 U		UG/L	8.24
MW084	MW08	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW084	MW08	SILVER	SW6010	0.5 U		UG/L	0.5
MW084	MW08	SODIUM	SW6010	25700 =		UG/L	114.2
MW084	MW08	THALLIUM	SW6010	2.1 U		UG/L	1.6
MW084	MW08	VANADIUM	SW6010	6.1 U		UG/L	0.31
MW084	MW08	ZINC	SW6010	11.5 U		UG/L	1.1
MW084	MW08	MERCURY	SW7470	0.1 U		UG/L	0.1
MW084	MW08	1,1,1-TRICHLOROETHANE	SW8260	1 U		UG/L	10
MW084	MW08	1,1,2-TETRACHLOROETHANE	SW8260	2 U		UG/L	10
MW084	MW08	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW084	MW08	1,1-DICHLOROETHANE	SW8260	1 U		UG/L	10
MW084	MW08	1,1-DICHLOROETHANE	SW8260	19 =		UG/L	10
MW084	MW08	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW084	MW08	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW084	MW08	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	102		UG/L	0
MW084	MW08	2-HEXANONE	SW8260	10 U		UG/L	10
MW084	MW08	ACETONE	SW8260	10 U		UG/L	10
MW084	MW08	BENZENE	SW8260	10 U		UG/L	10
MW084	MW08	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW084	MW08	BROMOFORM	SW8260	10 U		UG/L	10
MW084	MW08	BROMOMETHANE	SW8260	10 U		UG/L	10
MW084	MW08	CARBON DISULFIDE	SW8260	1 U		UG/L	10
MW084	MW08	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW084	MW08	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW084	MW08	CHLOROETHANE	SW8260	10 U		UG/L	10
MW084	MW08	CHLOROFORM	SW8260	10 U		UG/L	10
MW084	MW08	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW084	MW08	cis-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW084	MW08	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW084	MW08	DIBROMOFLUOROMETHANE	SW8260	10 U		UG/L	10
MW084	MW08	ETHYLBENZENE	SW8260	97		UG/L	0
MW084	MW08	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW084	MW08	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW084	MW08	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW084	MW08	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW084	MW08	STYRENE	SW8260	10 U		UG/L	10
MW084	MW08	TETRACHLOROETHYLENE (PCE)	SW8260	24 =		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW084	MW08	TOLUENE	SW8260	10 U		UG/L	10
MW084	MW08	TOLUENE-D8	SW8260	102		UG/L	0
MW084	MW08	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW084	MW08	Total Xylenes	SW8260	10 U		UG/L	10
MW084	MW08	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW084	MW08	TRICHLOROETHYLENE (TCE)	SW8260	12 =		UG/L	10
MW084	MW08	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW084	MW08	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW084	MW08	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW084	MW08	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW084	MW08	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW084	MW08	2,2'-OXYBIS(1-CHLOROPROPANE)	SW8270	10 U		UG/L	10
MW084	MW08	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW084	MW08	2,4,6-TRIBROMOPHENOL	SW8270	66		UG/L	0
MW084	MW08	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW084	MW08	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW084	MW08	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW084	MW08	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW084	MW08	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW084	MW08	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW084	MW08	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW084	MW08	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW084	MW08	2-FLUOROBIPHENYL	SW8270	83		UG/L	0
MW084	MW08	2-FLUOROPHENOL	SW8270	66		UG/L	0
MW084	MW08	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW084	MW08	2-METHYLPHENOL (o-CRESOL)	SW8270	10 U		UG/L	10
MW084	MW08	2-NITROANILINE	SW8270	50 U		UG/L	50
MW084	MW08	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW084	MW08	3,3'-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW084	MW08	3-NITROANILINE	SW8270	50 U		UG/L	50
MW084	MW08	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW084	MW08	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW084	MW08	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW084	MW08	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW084	MW08	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW084	MW08	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW084	MW08	4-NITROANILINE	SW8270	50 U		UG/L	50
MW084	MW08	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW084	MW08	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW084	MW08	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW084	MW08	ANTHRACENE	SW8270	10 U		UG/L	10
MW084	MW08	BENZO(a)ANTHRACENE	SW8270	10 U		UG/L	10
MW084	MW08	BENZO(b)PYRENE	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW084	MW08	BENZO(F)FLUORANTHENE	SW8270	10 U		UG/L	10
MW084	MW08	BENZO(G,H,I)PERYLENE	SW8270	10 U		UG/L	10
MW084	MW08	BENZO(A)FLUORANTHENE	SW8270	10 U		UG/L	10
MW084	MW08	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW084	MW08	BIS(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW084	MW08	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW084	MW08	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270	10 U		UG/L	10
MW084	MW08	CARBAZOLE	SW8270	10 U		UG/L	10
MW084	MW08	CHRYSENE	SW8270	10 U		UG/L	10
MW084	MW08	DI-n-BUTYL PHTHALATE	SW8270	4 J		UG/L	10
MW084	MW08	DI-n-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW084	MW08	DIBENZ(A,H)ANTHRACENE	SW8270	10 U		UG/L	10
MW084	MW08	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW084	MW08	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW084	MW08	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW084	MW08	FLUORANTHENE	SW8270	10 U		UG/L	10
MW084	MW08	FLUORENE	SW8270	10 U		UG/L	10
MW084	MW08	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW084	MW08	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW084	MW08	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW084	MW08	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW084	MW08	INDENOX (1,2,3-c.ox)PYRENE	SW8270	10 U		UG/L	10
MW084	MW08	ISOPHORONE	SW8270	10 U		UG/L	10
MW084	MW08	N-NITROSODI-n-PROPYLAMINE	SW8270	10 U		UG/L	10
MW084	MW08	N-NITROSODIPHENYLAMINE	SW8270	10 U		UG/L	10
MW084	MW08	NAPHTHALENE	SW8270	10 U		UG/L	10
MW084	MW08	NITROBENZENE	SW8270	10 U		UG/L	10
MW084	MW08	NITROBENZENE-D5	SW8270	83		UG/L	0
MW084	MW08	PENTACHLOROPHENOL	SW8270	5 U		UG/L	5
MW084	MW08	PHENANTHRENE	SW8270	10 U		UG/L	10
MW084	MW08	PHENOL	SW8270	10 U		UG/L	10
MW084	MW08	PHENOL-D5	SW8270	72		UG/L	0
MW084	MW08	PYRENE	SW8270	10 U		UG/L	10
MW084	MW08	TERPHENYL-D14	SW8270	85		UG/L	0
MW084	MW08	CHLORIDE (AS CL)	SW9056	17.8		MG/L	0.1
MW084	MW08	SULFATE (AS SO4)	SW9056	41.1		MG/L	0.1
MW094	MW09	ALUMINUM	SW6010	197 J		UG/L	7.0
MW094	MW09	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW094	MW09	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW094	MW09	BARIUM	SW6010	56.7 J		UG/L	0.48
MW094	MW09	BERYLLIUM	SW6010	0.04 U		UG/L	0.025
MW094	MW09	CADMIUM	SW6010	1.8 J		UG/L	0.085
MW094	MW09	CALCIUM	SW6010	1800		UG/L	23.7

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW094	MW09	CHROMIUM, TOTAL	SW6010	2.2 J		UG/L	1
MW094	MW09	COBALT	SW6010	6.2 J		UG/L	0.5
MW094	MW09	COPPER	SW6010	1.7 J		UG/L	1
MW094	MW09	IRON	SW6010	289 J		UG/L	3.6
MW094	MW09	LEAD	SW6010	1.3 U		UG/L	1.3
MW094	MW09	MAGNESIUM	SW6010	10100 =		UG/L	6.2
MW094	MW09	MANGANESE	SW6010	11.8 J		UG/L	0.53
MW094	MW09	NICKEL	SW6010	0.3 U		UG/L	0.3
MW094	MW09	POTASSIUM	SW6010	1010 J		UG/L	824.5
MW094	MW09	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW094	MW09	SILVER	SW6010	0.5 U		UG/L	0.5
MW094	MW09	SODIUM	SW6010	20300 =		UG/L	114.2
MW094	MW09	THALLIUM	SW6010	1.6 U		UG/L	1.6
MW094	MW09	VANADIUM	SW6010	0.77 J		UG/L	0.31
MW094	MW09	ZINC	SW6010	10.9 J		UG/L	1.1
MW094	MW09	MERCURY	SW7470	0.1 U		UG/L	0.1
MW094	MW09	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW094	MW09	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW094	MW09	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW094	MW09	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW094	MW09	1,1-DICHLOROETHENE	SW8260	1 J		UG/L	10
MW094	MW09	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW094	MW09	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW094	MW09	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	106		UG/L	0
MW094	MW09	2-HEXANONE	SW8260	10 U		UG/L	10
MW094	MW09	ACETONE	SW8260	10 U		UG/L	10
MW094	MW09	BENZENE	SW8260	10 U		UG/L	10
MW094	MW09	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW094	MW09	BROMOFORM	SW8260	10 U		UG/L	10
MW094	MW09	BROMOMETHANE	SW8260	10 U		UG/L	10
MW094	MW09	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW094	MW09	CARBON TETRACHLORIDE	SW8260	3 J		UG/L	10
MW094	MW09	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW094	MW09	CHLOROETHANE	SW8260	10 U		UG/L	10
MW094	MW09	CHLOROFORM	SW8260	2 J		UG/L	10
MW094	MW09	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW094	MW09	Ch-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW094	MW09	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW094	MW09	DIBROMOFLUOROMETHANE	SW8260	10		UG/L	0
MW094	MW09	ETHYLENE	SW8260	10 U		UG/L	10
MW094	MW09	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW094	MW09	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW094	MW09	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW094	MW09	STYRENE	SW8260	10 U		UG/L	10
MW094	MW09	TETRACHLOROETHYLENE(PCE)	SW8260	3 J		UG/L	10
MW094	MW09	TOLUENE	SW8260	10 U		UG/L	10
MW094	MW09	TOLUENE-08	SW8260	105		UG/L	0
MW094	MW09	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW094	MW09	Total Xylenes	SW8260	10 U		UG/L	10
MW094	MW09	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW094	MW09	TRICHLOROETHYLENE (TCE)	SW8260	2 J		UG/L	10
MW094	MW09	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW104	MW10	NITROGEN AMMONIA (AS N)	E350.2	0.2 U		MG/L	0.2
MW104	MW10	NITROGEN NITRATE-NITRITE	E353.2	2.6 =		MG/L	0.1
MW104	MW10	TOTAL ORGANIC CARBON	E415.2	1 U		MG/L	1
MW104	MW10	ALUMINUM	SW6010	233 U		UG/L	7.9
MW104	MW10	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW104	MW10	ARSENIC	SW6010	3.2 U		UG/L	1.4
MW104	MW10	BARIUM	SW6010	77.9 J		UG/L	0.48
MW104	MW10	BERYLLIUM	SW6010	0.02 U		UG/L	0.02
MW104	MW10	CADMIUM	SW6010	0.48 J		UG/L	0.085
MW104	MW10	CALCIUM	SW6010	18500 =		UG/L	23.7
MW104	MW10	CHROMIUM TOTAL	SW6010	6.1 J		UG/L	1
MW104	MW10	COBALT	SW6010	0.5 U		UG/L	0.5
MW104	MW10	COPPER	SW6010	2.9 U		UG/L	1
MW104	MW10	IRON	SW6010	591 =		UG/L	3.6
MW104	MW10	LEAD	SW6010	1.3 U		UG/L	1.3
MW104	MW10	MAGNESIUM	SW6010	9420 =		UG/L	6.2
MW104	MW10	MANGANESE	SW6010	9.7 J		UG/L	0.53
MW104	MW10	NICKEL	SW6010	2.6 U		UG/L	0.32
MW104	MW10	POTASSIUM	SW6010	824 U		UG/L	824
MW104	MW10	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW104	MW10	SILVER	SW6010	0.5 U		UG/L	0.5
MW104	MW10	SODIUM	SW6010	18600 =		UG/L	14.2
MW104	MW10	THALLIUM	SW6010	1.6 U		UG/L	1.6
MW104	MW10	VANADIUM	SW6010	0.98 J		UG/L	0.31
MW104	MW10	ZINC	SW6010	6.1 U		UG/L	1.1
MW104	MW10	MERCURY	SW7470	0.1 U		UG/L	0.1
MW104	MW10	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW104	MW10	1,1,2-TETRACHLOROETHANE	SW8260	2 J		UG/L	10
MW104	MW10	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW104	MW10	1,1-DICHLOROETHANE	SW8260	2 J		UG/L	10
MW104	MW10	1,1-DICHLOROETHENE	SW8260	41 =		UG/L	10
MW104	MW10	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW104	MW10	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW104	MW10	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	106		UG/L	0

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW104	MW10	2-HEXANONE	SW8260	10 U		UG/L	10
MW104	MW10	ACETONE	SW8260	10 U		UG/L	10
MW104	MW10	BENZENE	SW8260	10 U		UG/L	10
MW104	MW10	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW104	MW10	BROMOFORM	SW8260	10 U		UG/L	10
MW104	MW10	BROMOMETHANE	SW8260	10 U		UG/L	10
MW104	MW10	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW104	MW10	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW104	MW10	CHLOROETHANE	SW8260	10 U		UG/L	10
MW104	MW10	CHLOROETHANE	SW8260	10 U		UG/L	10
MW104	MW10	CHLOROFORM	SW8260	10 U		UG/L	10
MW104	MW10	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW104	MW10	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW104	MW10	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW104	MW10	DIBROMOFUOROMETHANE	SW8260	10 U		UG/L	10
MW104	MW10	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW104	MW10	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW104	MW10	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW104	MW10	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW104	MW10	STYRENE	SW8260	10 U		UG/L	10
MW104	MW10	TETRACHLOROETHYLENE (PCE)	SW8260	10 U		UG/L	10
MW104	MW10	TOLUENE	SW8260	10 U		UG/L	10
MW104	MW10	TOLUENE-D8	SW8260	10 U		UG/L	10
MW104	MW10	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW104	MW10	Total Xylenes	SW8260	10 U		UG/L	10
MW104	MW10	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW104	MW10	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW104	MW10	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW104	MW10	CHLORIDE (AS CL)	SW9056	12 =		MG/L	0.1
MW104	MW10	SULFATE (AS SO4)	SW9056	45.5 =		MG/L	0.1
MW114	MW11	IODIDE (AS I)	A45001	0.5 U		MG/L	0.5
MW114	MW11	ALUMINUM	SW6010	73 U		UG/L	7.9
MW114	MW11	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW114	MW11	ARSENIC	SW6010	2.6 U		UG/L	1.4
MW114	MW11	BARIUM	SW6010	59.1 U		UG/L	0.48
MW114	MW11	BERYLLIUM	SW6010	0.02 U		UG/L	0.02
MW114	MW11	CADMIUM	SW6010	0.74 U		UG/L	0.085
MW114	MW11	CALCIUM	SW6010	13100 =		UG/L	23.7
MW114	MW11	CHROMIUM, TOTAL	SW6010	3.4 U		UG/L	1.4
MW114	MW11	COBALT	SW6010	9 U		UG/L	0.5
MW114	MW11	COPPER	SW6010	1 U		UG/L	1
MW114	MW11	IRON	SW6010	261 U		UG/L	3.6
MW114	MW11	LEAD	SW6010	1.3 U		UG/L	1.3

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW114	MW11	MAGNESIUM	SW6010	6630		UG/L	6.2
MW114	MW11	MANGANESE	SW6010	16		UG/L	0.53
MW114	MW11	NICKEL	SW6010	10		UG/L	0.32
MW114	MW11	POTASSIUM	SW6010	824		UG/L	824
MW114	MW11	SELENIUM	SW6010	1.6		UG/L	1.6
MW114	MW11	SILVER	SW6010	0.5		UG/L	0.5
MW114	MW11	SODIUM	SW6010	18500		UG/L	114.2
MW114	MW11	THALLIUM	SW6010	1.6		UG/L	1.6
MW114	MW11	VANADIUM	SW6010	0.56		UG/L	0.31
MW114	MW11	ZINC	SW6010	4.4		UG/L	1.1
MW114	MW11	MERCURY	SW7470	0.1		UG/L	0.1
MW114	MW11	1,1,1-TRICHLOROETHANE	SW8260	10		UG/L	10
MW114	MW11	1,1,2-TETRACHLOROETHANE	SW8260	2		UG/L	10
MW114	MW11	1,1,2-TRICHLOROETHANE	SW8260	10		UG/L	10
MW114	MW11	1,1-DICHLOROETHANE	SW8260	10		UG/L	10
MW114	MW11	1,2-DICHLOROETHANE	SW8260	10		UG/L	10
MW114	MW11	1,2-DICHLOROPROPANE	SW8260	10		UG/L	10
MW114	MW11	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	102		UG/L	0
MW114	MW11	2-HEXANONE	SW8260	10		UG/L	10
MW114	MW11	ACETONE	SW8260	10		UG/L	10
MW114	MW11	BENZENE	SW8260	10		UG/L	10
MW114	MW11	BROMODICHLOROMETHANE	SW8260	10		UG/L	10
MW114	MW11	BROMOFORM	SW8260	10		UG/L	10
MW114	MW11	BROMOMETHANE	SW8260	10		UG/L	10
MW114	MW11	CARBON DISULFIDE	SW8260	10		UG/L	10
MW114	MW11	CARBON TETRACHLORIDE	SW8260	10		UG/L	10
MW114	MW11	CHLOROBENZENE	SW8260	10		UG/L	10
MW114	MW11	CHLOROETHANE	SW8260	10		UG/L	10
MW114	MW11	CHLOROFORM	SW8260	2		UG/L	10
MW114	MW11	CHLOROMETHANE	SW8260	10		UG/L	10
MW114	MW11	1,3-DICHLOROPROPENE	SW8260	10		UG/L	10
MW114	MW11	DIBROMOCHLOROMETHANE	SW8260	10		UG/L	10
MW114	MW11	DIBROMOFLUOROMETHANE	SW8260	97		UG/L	0
MW114	MW11	ETHYLBENZENE	SW8260	10		UG/L	10
MW114	MW11	METHYLENE CHLORIDE	SW8260	10		UG/L	10
MW114	MW11	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10		UG/L	10
MW114	MW11	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10		UG/L	10
MW114	MW11	METHYLENE CHLORIDE	SW8260	10		UG/L	10
MW114	MW11	STYRENE	SW8260	10		UG/L	10
MW114	MW11	TETRACHLOROETHYLENE(PTCE)	SW8260	5		UG/L	10
MW114	MW11	TOLUENE	SW8260	10		UG/L	10
MW114	MW11	TOLUENE-DB	SW8260	102		UG/L	0
MW114	MW11	TOTAL 1,2-DICHLOROETHENE	SW8260	8		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW114	MW11	Total Xylenes	SW8260	10 U		UG/L	10
MW114	MW11	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW114	MW11	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW114	MW11	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW124	MW12	ALUMINUM	SW6010	65.5 U		UG/L	7.9
MW124	MW12	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW124	MW12	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW124	MW12	BARIUM	SW6010	50.4 J		UG/L	0.48
MW124	MW12	BERYLLIUM	SW6010	0.1 U		UG/L	0.025
MW124	MW12	CADMIUM	SW6010	0.1 U		UG/L	0.1
MW124	MW12	CALCIUM	SW6010	15200 U		UG/L	23.7
MW124	MW12	CHROMIUM TOTAL	SW6010	7.4 J		UG/L	1
MW124	MW12	COBALT	SW6010	12.2 J		UG/L	0.5
MW124	MW12	COPPER	SW6010	3.9 U		UG/L	1
MW124	MW12	IRON	SW6010	203 U		UG/L	3.6
MW124	MW12	LEAD	SW6010	1.3 U		UG/L	1.3
MW124	MW12	MAGNESIUM	SW6010	8230 U		UG/L	6.2
MW124	MW12	MANGANESE	SW6010	3.3 U		UG/L	0.53
MW124	MW12	NICKEL	SW6010	3.3 U		UG/L	0.32
MW124	MW12	POTASSIUM	SW6010	824 U		UG/L	824
MW124	MW12	SELENIUM	SW6010	2.2 J		UG/L	1.6
MW124	MW12	SILVER	SW6010	0.5 U		UG/L	0.5
MW124	MW12	SODIUM	SW6010	16100 U		UG/L	114.2
MW124	MW12	THALLIUM	SW6010	3.2 U		UG/L	1.6
MW124	MW12	VANADIUM	SW6010	0.34 J		UG/L	0.31
MW124	MW12	ZINC	SW6010	16.2 U		UG/L	1.1
MW124	MW12	MERCURY	SW7470	0.1 U		UG/L	0.1
MW124	MW12	1,1,1-TRICHLOROETHANE	SW8260	100 U		UG/L	100
MW124	MW12	1,1,2,2-TETRACHLOROETHANE	SW8260	200 U		UG/L	100
MW124	MW12	1,1,2-TRICHLOROETHANE	SW8260	100 U		UG/L	100
MW124	MW12	1,1-DICHLOROETHANE	SW8260	100 U		UG/L	100
MW124	MW12	1,2-DICHLOROETHANE	SW8260	100 U		UG/L	100
MW124	MW12	1,2-DICHLOROPROPANE	SW8260	100 U		UG/L	100
MW124	MW12	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	111		UG/L	0
MW124	MW12	2-HEXANONE	SW8260	100 U		UG/L	100
MW124	MW12	ACETONE	SW8260	100 UJ		UG/L	100
MW124	MW12	BENZENE	SW8260	100 U		UG/L	100
MW124	MW12	BROMODICHLOROMETHANE	SW8260	100 U		UG/L	100
MW124	MW12	BROMOFORM	SW8260	100 U		UG/L	100
MW124	MW12	BROMOMETHANE	SW8260	100 U		UG/L	100
MW124	MW12	CARBON DISULFIDE	SW8260	100 U		UG/L	100
MW124	MW12	CARBON TETRACHLORIDE	SW8260	100 U		UG/L	100

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Protect Qualifier	Units	Detection Limit
MW124	MW12	CHLOROBENZENE	SW8260	100 U		UG/L	100
MW124	MW12	CHLOROETHANE	SW8260	100 U		UG/L	100
MW124	MW12	CHLOROFORM	SW8260	100 U		UG/L	100
MW124	MW12	CHLOROMETHANE	SW8260	100 U		UG/L	100
MW124	MW12	cis-1,3-DICHLOROPROPENE	SW8260	100 U		UG/L	100
MW124	MW12	DIBROMOCHLOROMETHANE	SW8260	100 U		UG/L	100
MW124	MW12	DIBROMOFLUOROMETHANE	SW8260	99		UG/L	0
MW124	MW12	ETHYLBENZENE	SW8260	100 U		UG/L	100
MW124	MW12	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	100 U		UG/L	100
MW124	MW12	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	100 U		UG/L	100
MW124	MW12	METHYLENE CHLORIDE	SW8260	100 U		UG/L	100
MW124	MW12	STYRENE	SW8260	100 U		UG/L	100
MW124	MW12	TETRACHLOROETHYLENE (PCE)	SW8260	22 U		UG/L	100
MW124	MW12	TOLUENE	SW8260	100 U		UG/L	100
MW124	MW12	TOLUENE-DB	SW8260	108		UG/L	0
MW124	MW12	TOTAL 1,2-DICHLOROETHENE	SW8260	87 U		UG/L	100
MW124	MW12	Total Xylenes	SW8260	100 U		UG/L	100
MW124	MW12	Trans-1,3-DICHLOROPROPENE	SW8260	100 U		UG/L	100
MW124	MW12	TRICHLOROETHYLENE (TCE)	SW8260	1300		UG/L	100
MW124	MW12	VINYL CHLORIDE	SW8260	100 U		UG/L	100
MW124B	MW12	1,1,1-TRICHLOROETHANE	SW8260	170 U		UG/L	170
MW124B	MW12	1,1,2,2-TETRACHLOROETHANE	SW8260	540		UG/L	170
MW124B	MW12	1,1,2-TRICHLOROETHANE	SW8260	170 U		UG/L	170
MW124B	MW12	1,1-DICHLOROETHANE	SW8260	170 U		UG/L	170
MW124B	MW12	1,1-DICHLOROETHENE	SW8260	170 U		UG/L	170
MW124B	MW12	1,2-DICHLOROETHANE	SW8260	170 U		UG/L	170
MW124B	MW12	1,2-DICHLOROPROPANE	SW8260	170 U		UG/L	170
MW124B	MW12	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	110		UG/L	0
MW124B	MW12	2-HEXANONE	SW8260	170 U		UG/L	170
MW124B	MW12	ACETONE	SW8260	170 U		UG/L	170
MW124B	MW12	BENZENE	SW8260	170 U		UG/L	170
MW124B	MW12	BROMODICHLOROMETHANE	SW8260	170 U		UG/L	170
MW124B	MW12	BROMOFORM	SW8260	170 U		UG/L	170
MW124B	MW12	BROMOMETHANE	SW8260	170 U		UG/L	170
MW124B	MW12	CARBON DISULFIDE	SW8260	170 U		UG/L	170
MW124B	MW12	CARBON TETRACHLORIDE	SW8260	170 U		UG/L	170
MW124B	MW12	CHLOROBENZENE	SW8260	170 U		UG/L	170
MW124B	MW12	CHLOROETHANE	SW8260	170 U		UG/L	170
MW124B	MW12	CHLOROFORM	SW8260	170 U		UG/L	170
MW124B	MW12	CHLOROMETHANE	SW8260	170 U		UG/L	170
MW124B	MW12	cis-1,3-DICHLOROPROPENE	SW8260	170 U		UG/L	170
MW124B	MW12	DIBROMOCHLOROMETHANE	SW8260	170 U		UG/L	170
MW124B	MW12	DIBROMOFLUOROMETHANE	SW8260	98		UG/L	0

291 198

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW124B	MW12	ETHYLBENZENE	SW8260	170 U		UG/L	170
MW124B	MW12	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	170 UJ		UG/L	170
MW124B	MW12	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	170 U		UG/L	170
MW124B	MW12	METHYLENE CHLORIDE	SW8260	170 U		UG/L	170
MW124B	MW12	STYRENE	SW8260	170 U		UG/L	170
MW124B	MW12	TETRACHLOROETHYLENE (PCE)	SW8260	51 J		UG/L	170
MW124B	MW12	TOLUENE	SW8260	170 U		UG/L	170
MW124B	MW12	TOLUENE-D8	SW8260	108		UG/L	0
MW124B	MW12	TOTAL 1,2-DICHLOROETHENE	SW8260	200 =		UG/L	170
MW124B	MW12	Total Xylenes	SW8260	170 U		UG/L	170
MW124B	MW12	trans-1,3-DICHLOROPROPENE	SW8260	170 U		UG/L	170
MW124B	MW12	TRICHLOROETHYLENE (TCE)	SW8260	3200 =		UG/L	170
MW124B	MW12	VINYL CHLORIDE	SW8260	170 U		UG/L	170
MW134	MW13	NITROGEN, AMMONIA (AS N)	E350.2	0.2 U		MG/L	0.2
MW134	MW13	NITROGEN, NITRATE-NITRITE	E353.2	3.39 =		MG/L	0.25
MW134	MW13	TOTAL ORGANIC CARBON	E415.2	1.6 =		MG/L	
MW134	MW13	ALUMINIUM	SW6010	6930 =		UG/L	7.9
MW134	MW13	ANTIMONY	SW6010	5 J		UG/L	1.7
MW134	MW13	ARSENIC	SW6010	7 =		UG/L	1.4
MW134	MW13	BARIUM	SW6010	65.2 J		UG/L	0.46
MW134	MW13	BERYLLIUM	SW6010	0.02 U		UG/L	0.02
MW134	MW13	CADMIUM	SW6010	3.9 J		UG/L	0.085
MW134	MW13	CALCIUM	SW6010	15100 =		UG/L	23.7
MW134	MW13	CHROMIUM, TOTAL	SW6010	11.6 =		UG/L	
MW134	MW13	COBALT	SW6010	3.1 J		UG/L	0.5
MW134	MW13	COPPER	SW6010	25.8 =		UG/L	
MW134	MW13	IRON	SW6010	10400 J		UG/L	3.6
MW134	MW13	LEAD	SW6010	41.6 =		UG/L	1.3
MW134	MW13	MAGNESIUM	SW6010	7490 =		UG/L	
MW134	MW13	MANGANESE	SW6010	204 =		UG/L	0.52
MW134	MW13	NICKEL	SW6010	4.1 J		UG/L	0.32
MW134	MW13	POTASSIUM	SW6010	2620 J		UG/L	824.5
MW134	MW13	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW134	MW13	SILVER	SW6010	0.5 U		UG/L	0.5
MW134	MW13	SODIUM	SW6010	20700 =		UG/L	114.2
MW134	MW13	THALIUM	SW6010	1.6 U		UG/L	1.6
MW134	MW13	VANADIUM	SW6010	12.2 J		UG/L	0.31
MW134	MW13	ZINC	SW6010	91.4 =		UG/L	1.1
MW134	MW13	MERCURY	SW7470	0.1 U		UG/L	0.1
MW134	MW13	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW134	MW13	1,1,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW134	MW13	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW134	MW13	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW134	MW13	1,1-DICHLOROETHENE	SW8260	10.U		UG/L	10
MW134	MW13	1,2-DICHLOROETHANE	SW8260	10.U		UG/L	10
MW134	MW13	1,2-DICHLOROPROPANE	SW8260	10.U		UG/L	10
MW134	MW13	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	108		UG/L	0
MW134	MW13	2-HEXANONE	SW8260	10.U		UG/L	10
MW134	MW13	ACETONE	SW8260	10.U		UG/L	10
MW134	MW13	BENZENE	SW8260	10.U		UG/L	10
MW134	MW13	BROMODICHLOROMETHANE	SW8260	10.U		UG/L	10
MW134	MW13	BROMOFORM	SW8260	10.U		UG/L	10
MW134	MW13	BROMOMETHANE	SW8260	10.U		UG/L	10
MW134	MW13	CARBON DISULFIDE	SW8260	10.U		UG/L	10
MW134	MW13	CARBON TETRACHLORIDE	SW8260	10.U		UG/L	10
MW134	MW13	CHLOROBENZENE	SW8260	10.U		UG/L	10
MW134	MW13	CHLOROETHANE	SW8260	10.U		UG/L	10
MW134	MW13	CHLOROFORM	SW8260	10.U		UG/L	10
MW134	MW13	CHLOROMETHANE	SW8260	10.U		UG/L	10
MW134	MW13	CIS-1,3-DICHLOROPROPENE	SW8260	10.U		UG/L	10
MW134	MW13	DIBROMOCHLOROMETHANE	SW8260	10.U		UG/L	10
MW134	MW13	DIBROMOFLUOROMETHANE	SW8260	104		UG/L	0
MW134	MW13	ETHYLBENZENE	SW8260	10.U		UG/L	10
MW134	MW13	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10.U		UG/L	10
MW134	MW13	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10.U		UG/L	10
MW134	MW13	METHYLENE CHLORIDE	SW8260	10.U		UG/L	10
MW134	MW13	STYRENE	SW8260	10.U		UG/L	10
MW134	MW13	TETRACHLOROETHYLENE (PCE)	SW8260	2.J		UG/L	10
MW134	MW13	TOLUENE	SW8260	10.U		UG/L	10
MW134	MW13	TOLUENE-D8	SW8260	110		UG/L	0
MW134	MW13	TOTAL 1,2-DICHLOROETHENE	SW8260	10.U		UG/L	10
MW134	MW13	Total Xylenes	SW8260	10.U		UG/L	10
MW134	MW13	trans-1,3-DICHLOROPROPENE	SW8260	10.U		UG/L	10
MW134	MW13	TRICHLOROETHYLENE (TCE)	SW8260	10.U		UG/L	10
MW134	MW13	VINYL CHLORIDE	SW8260	10.U		UG/L	10
MW134	MW13	1,2,4-TRICHLOROBENZENE	SW8270	10.U		UG/L	10
MW134	MW13	1,2-DICHLOROBENZENE	SW8270	10.U		UG/L	10
MW134	MW13	1,3-DICHLOROBENZENE	SW8270	10.U		UG/L	10
MW134	MW13	1,4-DICHLOROBENZENE	SW8270	10.U		UG/L	10
MW134	MW13	2,2'-OXYBIS(1-CHLOROPROPANE)	SW8270	10.U		UG/L	10
MW134	MW13	2,4,6-TRICHLOROPHENOL	SW8270	50.U		UG/L	50
MW134	MW13	2,4,6-TRIBROMOPHENOL	SW8270	61		UG/L	0
MW134	MW13	2,4,6-TRICHLOROPHENOL	SW8270	10.U		UG/L	10
MW134	MW13	2,4-DICHLOROPHENOL	SW8270	10.U		UG/L	10
MW134	MW13	2,4-DIMETHYLPHENOL	SW8270	10.U		UG/L	10
MW134	MW13	2,4-DINITROPHENOL	SW8270	50.U		UG/L	50

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW134	MW13	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW134	MW13	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW134	MW13	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW134	MW13	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW134	MW13	2-FLUOROBIPHENYL	SW8270	66		UG/L	0
MW134	MW13	2-FLUOROPHENOL	SW8270	59		UG/L	0
MW134	MW13	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW134	MW13	2-METHYLPHENOL (O-CRESOL)	SW8270	10 U		UG/L	10
MW134	MW13	2-NITROANILINE	SW8270	50 U		UG/L	10
MW134	MW13	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW134	MW13	3,3-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW134	MW13	3-NITROANILINE	SW8270	50 U		UG/L	50
MW134	MW13	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW134	MW13	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW134	MW13	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW134	MW13	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW134	MW13	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW134	MW13	4-METHYLPHENOL (P-CRESOL)	SW8270	10 U		UG/L	10
MW134	MW13	4-NITROANILINE	SW8270	50 U		UG/L	50
MW134	MW13	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW134	MW13	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW134	MW13	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW134	MW13	ANTHRACENE	SW8270	10 U		UG/L	10
MW134	MW13	BENZO(a)ANTHRACENE	SW8270	2 J		UG/L	10
MW134	MW13	BENZO(b)PYRENE	SW8270	2 J		UG/L	10
MW134	MW13	BENZO(k)FLUORANTHENE	SW8270	3 J		UG/L	10
MW134	MW13	BENZO(g,h,i)PERYLENE	SW8270	10 U		UG/L	10
MW134	MW13	BENZO(f)FLUORANTHENE	SW8270	10 U		UG/L	10
MW134	MW13	BENZO(a)FLUORANTHENE	SW8270	3 J		UG/L	10
MW134	MW13	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW134	MW13	Di(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW134	MW13	Di(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW134	MW13	Di(2-ETHYLHEXYL) PHTHALATE	SW8270	1 J		UG/L	10
MW134	MW13	CARBAZOLE	SW8270	10 U		UG/L	10
MW134	MW13	CHRYSENE	SW8270	3 J		UG/L	10
MW134	MW13	DH-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW134	MW13	DH-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW134	MW13	DIBENZO(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW134	MW13	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW134	MW13	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW134	MW13	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW134	MW13	FLUORANTHENE	SW8270	10 U		UG/L	10
MW134	MW13	FLUORENE	SW8270	5 J		UG/L	10
MW134	MW13	HEXA-CHLORO-BENZENE	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW134	MW13	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW134	MW13	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW134	MW13	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW134	MW13	INDENO(1,2,3-c)PYRENE	SW8270	10 U		UG/L	10
MW134	MW13	ISOPHORONE	SW8270	10 U		UG/L	10
MW134	MW13	N-NITROSODI-N-PROPYLAMINE	SW8270	10 U		UG/L	10
MW134	MW13	N-NITROSODIPHENYLAMINE	SW8270	10 U		UG/L	10
MW134	MW13	NAPHTHALENE	SW8270	10 U		UG/L	10
MW134	MW13	NITROBENZENE	SW8270	10 U		UG/L	10
MW134	MW13	NITROBENZENE-D5	SW8270	65		UG/L	0
MW134	MW13	PENTACHLOROPHENOL	SW8270	5 U		UG/L	5
MW134	MW13	PHENANTHRENE	SW8270	2 J		UG/L	10
MW134	MW13	PHENOL	SW8270	10 U		UG/L	10
MW134	MW13	PHENOL-D5	SW8270	61		UG/L	0
MW134	MW13	PYRENE	SW8270	4 J		UG/L	10
MW134	MW13	TERPHENYL-D14	SW8270	55		UG/L	0
MW134	MW13	CHLORIDE (AS CL)	SW9056	10.2		MG/L	0.1
MW134	MW13	SULFATE (AS SO4)	SW9056	38.7		MG/L	0.1
MW134D	MW13	1,2,4-TRICHLORO BENZENE	SW8270	10 U		UG/L	10
MW134D	MW13	1,2-DICHLORO BENZENE	SW8270	10 U		UG/L	10
MW134D	MW13	1,3-DICHLORO BENZENE	SW8270	10 U		UG/L	10
MW134D	MW13	1,4-DICHLORO BENZENE	SW8270	10 U		UG/L	10
MW134D	MW13	2,2-DIOXYBIS(1-CHLORO)PROPANE	SW8270	10 U		UG/L	10
MW134D	MW13	2,4,6-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW134D	MW13	2,4,6-TRICHLOROPHENOL	SW8270	63		UG/L	0
MW134D	MW13	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW134D	MW13	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW134D	MW13	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW134D	MW13	2,4-DINITROPHENOL	SW8270	10 U		UG/L	10
MW134D	MW13	2,6-DINITROPHENOL	SW8270	10 U		UG/L	10
MW134D	MW13	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW134D	MW13	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW134D	MW13	2-FLUOROBIPHENYL	SW8270	72		UG/L	0
MW134D	MW13	2-FLUOROPHENOL	SW8270	63		UG/L	0
MW134D	MW13	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW134D	MW13	2-METHYLPHENOL (o-CRESOL)	SW8270	10 U		UG/L	10
MW134D	MW13	2-NITROANILINE	SW8270	50 U		UG/L	50
MW134D	MW13	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW134D	MW13	3,3-DICHLOROBENZODIENE	SW8270	20 U		UG/L	20
MW134D	MW13	3-NITROANILINE	SW8270	50 U		UG/L	50
MW134D	MW13	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW134D	MW13	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW134D	MW13	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW134D	MW13	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW134D	MW13	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW134D	MW13	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW134D	MW13	4-NITROANILINE	SW8270	50 U		UG/L	50
MW134D	MW13	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW134D	MW13	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW134D	MW13	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW134D	MW13	ANTHRACENE	SW8270	10 U		UG/L	10
MW134D	MW13	BENZO(a)ANTHRACENE	SW8270	1 U		UG/L	10
MW134D	MW13	BENZO(a)PYRENE	SW8270	1 U		UG/L	10
MW134D	MW13	BENZO(b)FLUORANTHENE	SW8270	2 U		UG/L	10
MW134D	MW13	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW134D	MW13	BENZO(g,h,i)PERYLENE	SW8270	1 U		UG/L	10
MW134D	MW13	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW134D	MW13	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW134D	MW13	DI(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW134D	MW13	DI(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW134D	MW13	DI(2-ETHYLHEXYL) PHTHALATE	SW8270	10 U		UG/L	10
MW134D	MW13	CARBAZOLE	SW8270	10 U		UG/L	10
MW134D	MW13	CHRYSENE	SW8270	2 U		UG/L	10
MW134D	MW13	DI-n-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW134D	MW13	DI-n-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW134D	MW13	DIBENZOLNANTRACENE	SW8270	10 U		UG/L	10
MW134D	MW13	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW134D	MW13	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW134D	MW13	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW134D	MW13	FLUORANTHENE	SW8270	10 U		UG/L	10
MW134D	MW13	FLUORENE	SW8270	3 U		UG/L	10
MW134D	MW13	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW134D	MW13	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW134D	MW13	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW134D	MW13	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW134D	MW13	INDENOC(1,2,3-c,d)PYRENE	SW8270	10 U		UG/L	10
MW134D	MW13	ISOPHORONE	SW8270	10 U		UG/L	10
MW134D	MW13	N-NITROSO-DI-n-PROPYLAMINE	SW8270	10 U		UG/L	10
MW134D	MW13	N-NITROSO-PHENYLAMINE	SW8270	10 U		UG/L	10
MW134D	MW13	NAPHTHALENE	SW8270	10 U		UG/L	10
MW134D	MW13	NITROBENZENE	SW8270	10 U		UG/L	10
MW134D	MW13	NITROBENZENE-D5	SW8270	80		UG/L	10
MW134D	MW13	PENTACHLOROPHENOL	SW8270	5 U		UG/L	5
MW134D	MW13	PHENANTHRENE	SW8270	1 U		UG/L	10
MW134D	MW13	PHENOL	SW8270	10 U		UG/L	10
MW134D	MW13	PHENOL-D5	SW8270	66		UG/L	0

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW134D	MW13	PYRENE	SWB270	2 J		UG/L	10
MW134D	MW13	TERPHENYL-D14	SWB270	52		UG/L	0
MW14	MW14	1,1,1-TRICHLOROETHANE	SWB260	10 U		UG/L	10
MW14	MW14	1,1,2,2-TETRACHLOROETHANE	SWB260	10 U		UG/L	10
MW14	MW14	1,1,2-TRICHLOROETHANE	SWB260	10 U		UG/L	10
MW14	MW14	1,1-DICHLOROETHANE	SWB260	10 U		UG/L	10
MW14	MW14	1,1-DICHLOROETHANE	SWB260	10 U		UG/L	10
MW14	MW14	1,2-DICHLOROETHANE	SWB260	10 U		UG/L	10
MW14	MW14	1,2-DICHLOROPROPANE	SWB260	10 U		UG/L	10
MW14	MW14	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SWB260	104		UG/L	0
MW14	MW14	2-HEXANONE	SWB260	10 U		UG/L	10
MW14	MW14	ACETONE	SWB260	10 U		UG/L	10
MW14	MW14	BENZENE	SWB260	10 U		UG/L	10
MW14	MW14	BROMODICHLOROMETHANE	SWB260	10 U		UG/L	10
MW14	MW14	BROMOFORM	SWB260	10 U		UG/L	10
MW14	MW14	BROMOMETHANE	SWB260	10 U		UG/L	10
MW14	MW14	CARBON DISULFIDE	SWB260	10 U		UG/L	10
MW14	MW14	CARBON TETRACHLORIDE	SWB260	10 U		UG/L	10
MW14	MW14	CHLOROBENZENE	SWB260	10 U		UG/L	10
MW14	MW14	CHLOROETHANE	SWB260	10 U		UG/L	10
MW14	MW14	CHLOROFORM	SWB260	10 U		UG/L	10
MW14	MW14	CHLOROMETHANE	SWB260	10 U		UG/L	10
MW14	MW14	cis-1,3-DICHLOROPROPENE	SWB260	10 U		UG/L	10
MW14	MW14	DIBROMOCHLOROMETHANE	SWB260	10 U		UG/L	10
MW14	MW14	DIBROMOFIUROROMETHANE	SWB260	10 U		UG/L	0
MW14	MW14	ETHYLBENZENE	SWB260	10 U		UG/L	10
MW14	MW14	METHYL ETHYL KETONE (2-BUTANONE)	SWB260	10 U		UG/L	10
MW14	MW14	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SWB260	10 U		UG/L	10
MW14	MW14	METHYLENE CHLORIDE	SWB260	10 U		UG/L	10
MW14	MW14	STYRENE	SWB260	10 U		UG/L	10
MW14	MW14	TETRACHLOROETHYLENE(PCE)	SWB260	10 U		UG/L	10
MW14	MW14	TOLUENE	SWB260	10 U		UG/L	10
MW14	MW14	TOLUENE-D8	SWB260	107		UG/L	0
MW14	MW14	TOTAL 1,2-DICHLOROETHENE	SWB260	10 U		UG/L	10
MW14	MW14	Total Xylenes	SWB260	10 U		UG/L	10
MW14	MW14	trans-1,3-DICHLOROPROPENE	SWB260	10 U		UG/L	10
MW14	MW14	TRICHLOROETHYLENE (TCE)	SWB260	10 U		UG/L	10
MW14	MW14	VINYL CHLORIDE	SWB260	10 U		UG/L	10
MW144	MW14	NITROGEN, AMMONIA (AS N)	E350.2	0.2 U		MG/L	0.2
MW144	MW14	NITROGEN, NITRATE-NITRITE	E353.2	4.91		MG/L	0.25
MW144	MW14	TOTAL ORGANIC CARBON	E415.2	1 U		MG/L	1
MW144	MW14	ALUMINIUM	SW6010	367		UG/L	7.0
MW144	MW14	ANTIMONY	SW6010	1.8 J		UG/L	1.7

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quantifier	Units	Detect/Non Limit
MW144	MW14	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW144	MW14	BARIUM	SW6010	84 J		UG/L	0.48
MW144	MW14	BERYLLIUM	SW6010	0.08 U		UG/L	0.025
MW144	MW14	CADMIUM	SW6010	1.2 J		UG/L	0.085
MW144	MW14	CALCIUM	SW6010	21700 =		UG/L	23.7
MW144	MW14	CHROMIUM TOTAL	SW6010	10.9 =		UG/L	1
MW144	MW14	COBALT	SW6010	3.8 J		UG/L	0.5
MW144	MW14	COPPER	SW6010	3.1 J		UG/L	1
MW144	MW14	IRON	SW6010	558 J		UG/L	3.6
MW144	MW14	LEAD	SW6010	4.4 =		UG/L	1.3
MW144	MW14	MAGNESIUM	SW6010	7070 =		UG/L	6.2
MW144	MW14	MANGANESE	SW6010	29.7 =		UG/L	0.83
MW144	MW14	NICKEL	SW6010	1.1 J		UG/L	0.32
MW144	MW14	POTASSIUM	SW6010	1300 J		UG/L	824.6
MW144	MW14	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW144	MW14	SILVER	SW6010	0.5 U		UG/L	0.5
MW144	MW14	SODIUM	SW6010	12500 =		UG/L	114.2
MW144	MW14	THALLIUM	SW6010	1.6 U		UG/L	1.6
MW144	MW14	VANADIUM	SW6010	0.93 J		UG/L	0.31
MW144	MW14	ZINC	SW6010	34 =		UG/L	1.1
MW144	MW14	MERCURY	SW7870	0.1 U		UG/L	0.1
MW144	MW14	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW144	MW14	1,1,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW144	MW14	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW144	MW14	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW144	MW14	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW144	MW14	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW144	MW14	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW144	MW14	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	104		UG/L	0
MW144	MW14	2-HEXANONE	SW8260	10 U		UG/L	10
MW144	MW14	ACETONE	SW8260	10 U		UG/L	10
MW144	MW14	BENZENE	SW8260	10 U		UG/L	10
MW144	MW14	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW144	MW14	BROMOFORM	SW8260	10 U		UG/L	10
MW144	MW14	BROMOMETHANE	SW8260	10 U		UG/L	10
MW144	MW14	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW144	MW14	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW144	MW14	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW144	MW14	CHLOROETHANE	SW8260	10 U		UG/L	10
MW144	MW14	CHLOROFORM	SW8260	10 U		UG/L	10
MW144	MW14	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW144	MW14	cis-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW144	MW14	DI-BROMOCHLOROMETHANE	SW8260	10 U		UG/L	10

291 205

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW144	MW14	DIBROMOFLOUROMETHANE	SW8260	100		UG/L	0
MW144	MW14	ETHYLBENZENE	SW8260	10.U		UG/L	10
MW144	MW14	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10.U		UG/L	10
MW144	MW14	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10.U		UG/L	10
MW144	MW14	METHYLENE CHLORIDE	SW8260	10.U		UG/L	10
MW144	MW14	STYRENE	SW8260	10.U		UG/L	10
MW144	MW14	TETRACHLOROETHYLENE(PCE)	SW8260	10.U		UG/L	10
MW144	MW14	TOLUENE	SW8260	10.U		UG/L	10
MW144	MW14	TOLUENE-06	SW8260	100		UG/L	0
MW144	MW14	TOTAL 1,2-DICHLOROETHENE	SW8260	10.U		UG/L	10
MW144	MW14	Total Xylenes	SW8260	10.U		UG/L	10
MW144	MW14	trans-1,3-DICHLOROPROPENE	SW8260	10.U		UG/L	10
MW144	MW14	TRICHLOROETHYLENE (TCE)	SW8260	10.U		UG/L	10
MW144	MW14	VINYL CHLORIDE	SW8260	10.U		UG/L	10
MW144	MW14	1,2,4-TRICHLOROBENZENE	SW8270	10.U		UG/L	10
MW144	MW14	1,2-DICHLOROBENZENE	SW8270	10.U		UG/L	10
MW144	MW14	1,3-DICHLOROBENZENE	SW8270	10.U		UG/L	10
MW144	MW14	1,4-DICHLOROBENZENE	SW8270	10.U		UG/L	10
MW144	MW14	2,2'-OXYBIS(1-CHLOROPROPANE)	SW8270	10.U		UG/L	10
MW144	MW14	2,4,5-TRICHLOROPHENOL	SW8270	50.U		UG/L	50
MW144	MW14	2,4,6-TRIBROMOPHENOL	SW8270	71		UG/L	0
MW144	MW14	2,4,6-TRICHLOROPHENOL	SW8270	10.U		UG/L	10
MW144	MW14	2,4-DICHLOROPHENOL	SW8270	10.U		UG/L	10
MW144	MW14	2,4-DIMETHYLPHENOL	SW8270	10.U		UG/L	10
MW144	MW14	2,4-DINITROPHENOL	SW8270	50.U		UG/L	50
MW144	MW14	2,4-DINITROTOLUENE	SW8270	10.U		UG/L	10
MW144	MW14	2,5-DINITROTOLUENE	SW8270	10.U		UG/L	10
MW144	MW14	2-CHLORONAPHTHALENE	SW8270	10.U		UG/L	10
MW144	MW14	2-CHLOROPHENOL	SW8270	10.U		UG/L	10
MW144	MW14	2-FLUOROBIPHENYL	SW8270	82		UG/L	0
MW144	MW14	2-FLUOROPHENOL	SW8270	64		UG/L	0
MW144	MW14	2-METHYLNAPHTHALENE	SW8270	10.U		UG/L	10
MW144	MW14	2-METHYLPHENOL (o-CRESOL)	SW8270	10.U		UG/L	10
MW144	MW14	2-NITROANILINE	SW8270	50.U		UG/L	50
MW144	MW14	2-NITROPHENOL	SW8270	10.U		UG/L	10
MW144	MW14	3,3'-DICHLOROBENZIDINE	SW8270	20.U		UG/L	20
MW144	MW14	3-NITROANILINE	SW8270	50.U		UG/L	50
MW144	MW14	4,6-DINITRO-2-METHYLPHENOL	SW8270	50.U		UG/L	50
MW144	MW14	4-BROMOPHENYL PHENYL ETHER	SW8270	10.U		UG/L	10
MW144	MW14	4-CHLORO-3-METHYLPHENOL	SW8270	10.U		UG/L	10
MW144	MW14	4-CHLOROANILINE	SW8270	10.U		UG/L	10
MW144	MW14	4-C-CHLOROPHENYL PHENYL ETHER	SW8270	10.U		UG/L	10
MW144	MW14	4-METHYLPHENOL (p-CRESOL)	SW8270	10.U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW144	MW14	4-NITROANILINE	SW8270	50 U		UG/L	50
MW144	MW14	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW144	MW14	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW144	MW14	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW144	MW14	ANTHRACENE	SW8270	10 U		UG/L	10
MW144	MW14	BENZOXANTHRACENE	SW8270	10 U		UG/L	10
MW144	MW14	BENZOPYRENE	SW8270	10 U		UG/L	10
MW144	MW14	BENZOFULVRANTHENE	SW8270	10 U		UG/L	10
MW144	MW14	BENZOFULVRANTHENE	SW8270	10 U		UG/L	10
MW144	MW14	BENZOPERYLENE	SW8270	10 U		UG/L	10
MW144	MW14	BENZOFULVRANTHENE	SW8270	10 U		UG/L	10
MW144	MW14	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW144	MW14	BIS(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW144	MW14	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW144	MW14	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270	10 U		UG/L	10
MW144	MW14	CARBAZOLE	SW8270	10 U		UG/L	10
MW144	MW14	CHRYSENE	SW8270	10 U		UG/L	10
MW144	MW14	DI-n-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW144	MW14	DI-n-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW144	MW14	DIBENZO(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW144	MW14	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW144	MW14	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW144	MW14	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW144	MW14	FLUORANTHENE	SW8270	10 U		UG/L	10
MW144	MW14	FLUORENE	SW8270	10 U		UG/L	10
MW144	MW14	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW144	MW14	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW144	MW14	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW144	MW14	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW144	MW14	INDENO(1,2,3-c,d)PYRENE	SW8270	10 U		UG/L	10
MW144	MW14	ISOPHTHORENE	SW8270	10 U		UG/L	10
MW144	MW14	N-NITROSO-DI-PROPYLAMINE	SW8270	10 U		UG/L	10
MW144	MW14	N-NITROSO-DI-PENTYLAMINE	SW8270	10 U		UG/L	10
MW144	MW14	NAPHTHALENE	SW8270	10 U		UG/L	10
MW144	MW14	NITROBENZENE	SW8270	10 U		UG/L	10
MW144	MW14	NITROBENZENE-D5	SW8270	B5		UG/L	0
MW144	MW14	PENTA-CHLORO-PHENOL	SW8270	5 U		UG/L	5
MW144	MW14	PHENANTHRENE	SW8270	10 U		UG/L	10
MW144	MW14	PHENOL	SW8270	10 U		UG/L	10
MW144	MW14	PHENOL-D5	SW8270	73		UG/L	0
MW144	MW14	PYRENE	SW8270	10 U		UG/L	10
MW144	MW14	TERPHENYL-D14	SW8270	B7		UG/L	0
MW144	MW14	CHLORIDE (AS CL)	SW9056	7.4		MG/L	0.1
MW144	MW14	SULFATE (AS SO4)	SW9056	43.8		MG/L	0.1

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quantifier	Units	Detection Limit
MW144D	MW14	ALUMINIUM	SW6010	413 =		UG/L	7.9
MW144D	MW14	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW144D	MW14	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW144D	MW14	BARIUM	SW6010	83 J		UG/L	0.48
MW144D	MW14	BERYLLIUM	SW6010	0.05 U		UG/L	0.025
MW144D	MW14	CADMIUM	SW6010	0.21 J		UG/L	0.085
MW144D	MW14	CALCIUM	SW6010	21400 =		UG/L	23.7
MW144D	MW14	CHROMIUM TOTAL	SW6010	10.2 =		UG/L	1
MW144D	MW14	COBALT	SW6010	3.4 J		UG/L	0.5
MW144D	MW14	COPPER	SW6010	2 J		UG/L	1
MW144D	MW14	IRON	SW6010	568 J		UG/L	3.6
MW144D	MW14	LEAD	SW6010	4.3 =		UG/L	1.3
MW144D	MW14	MAGNESIUM	SW6010	6980 =		UG/L	6.2
MW144D	MW14	MANGANESE	SW6010	28.8 =		UG/L	0.53
MW144D	MW14	NICKEL	SW6010	0.3 U		UG/L	0.3
MW144D	MW14	POTASSIUM	SW6010	1480 J		UG/L	824.5
MW144D	MW14	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW144D	MW14	SILVER	SW6010	0.5 U		UG/L	0.5
MW144D	MW14	SODIUM	SW6010	12400 =		UG/L	14.2
MW144D	MW14	THALLIUM	SW6010	1.6 U		UG/L	1.6
MW144D	MW14	VANADIUM	SW6010	1.3 J		UG/L	0.31
MW144D	MW14	ZINC	SW6010	33.7 =		UG/L	1.1
MW144D	MW14	MERCURY	SW7470	0.1 U		UG/L	0.1
MW154	MW15	ALUMINIUM	SW6010	624 =		UG/L	7.9
MW154	MW15	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW154	MW15	ARSENIC	SW6010	3.3 U		UG/L	1.4
MW154	MW15	BARIUM	SW6010	65.8 J		UG/L	0.48
MW154	MW15	BERYLLIUM	SW6010	0.14 U		UG/L	0.025
MW154	MW15	CADMIUM	SW6010	0.27 J		UG/L	0.085
MW154	MW15	CALCIUM	SW6010	12100 =		UG/L	23.7
MW154	MW15	CHROMIUM TOTAL	SW6010	6.4 J		UG/L	1
MW154	MW15	COBALT	SW6010	5.3 J		UG/L	0.5
MW154	MW15	COPPER	SW6010	3.9 U		UG/L	1
MW154	MW15	IRON	SW6010	2560 =		UG/L	3.6
MW154	MW15	LEAD	SW6010	1.3 U		UG/L	1.3
MW154	MW15	MAGNESIUM	SW6010	5930 =		UG/L	6.2
MW154	MW15	MANGANESE	SW6010	15.4 =		UG/L	0.53
MW154	MW15	NICKEL	SW6010	1.6 U		UG/L	0.32
MW154	MW15	POTASSIUM	SW6010	824 U		UG/L	824
MW154	MW15	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW154	MW15	SILVER	SW6010	0.5 U		UG/L	0.5
MW154	MW15	SODIUM	SW6010	12100 =		UG/L	14.2
MW154	MW15	THALLIUM	SW6010	2 U		UG/L	1.6

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW154	MW15	VANADIUM	SW6010	3.2 J		UG/L	0.31
MW154	MW15	ZINC	SW6010	9.5 U		UG/L	1.1
MW154	MW15	MERCURY	SW7470	0.1 U		UG/L	0.1
MW154	MW15	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW154	MW15	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW154	MW15	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW154	MW15	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW154	MW15	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW154	MW15	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW154	MW15	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW154	MW15	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	105		UG/L	0
MW154	MW15	2-HEXANONE	SW8260	10 U		UG/L	10
MW154	MW15	ACETONE	SW8260	10 U		UG/L	10
MW154	MW15	BENZENE	SW8260	10 U		UG/L	10
MW154	MW15	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW154	MW15	BROMOFORM	SW8260	10 U		UG/L	10
MW154	MW15	BROMOMETHANE	SW8260	10 U		UG/L	10
MW154	MW15	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW154	MW15	CARBON TETRACHLORIDE	SW8260	3 J		UG/L	10
MW154	MW15	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW154	MW15	CHLOROETHANE	SW8260	10 U		UG/L	10
MW154	MW15	CHLOROFORM	SW8260	13 =		UG/L	10
MW154	MW15	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW154	MW15	CB-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW154	MW15	DI-BROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW154	MW15	DI-BROMOFLUOROMETHANE	SW8260	99		UG/L	0
MW154	MW15	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW154	MW15	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW154	MW15	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW154	MW15	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW154	MW15	STYRENE	SW8260	10 U		UG/L	10
MW154	MW15	TETRACHLOROETHYLENE(PCE)	SW8260	10 U		UG/L	10
MW154	MW15	TOLUENE	SW8260	10 U		UG/L	10
MW154	MW15	TOLUENE-D8	SW8260	104		UG/L	0
MW154	MW15	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW154	MW15	Total Xylenes	SW8260	10 U		UG/L	10
MW154	MW15	TRANS-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW154	MW15	TRICHLOROETHYLENE (TCE)	SW8260	6 J		UG/L	10
MW154	MW15	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW164	MW16	ALUMINUM	SW5010	315 =		UG/L	7.9
MW164	MW16	ANTIMONY	SW5010	1.7 U		UG/L	1.7
MW164	MW16	ARSENIC	SW5010	23 U		UG/L	1.4
MW164	MW16	BARIUM	SW5010	61.8 J		UG/L	0.48

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW164	MW16	BERYLLIUM	SW6010	0.03 U		UG/L	0.025
MW164	MW16	CADMIUM	SW6010	0.48 J		UG/L	0.085
MW164	MW16	CALCIUM	SW6010	34900 =		UG/L	23.7
MW164	MW16	CHROMIUM TOTAL	SW6010	7.2 U		UG/L	1
MW164	MW16	COBALT	SW6010	4.5 U		UG/L	0.5
MW164	MW16	COPPER	SW6010	2.8 U		UG/L	1
MW164	MW16	IRON	SW6010	430 J		UG/L	3.6
MW164	MW16	LEAD	SW6010	1.3 U		UG/L	1.3
MW164	MW16	MAGNESIUM	SW6010	15200 =		UG/L	6.2
MW164	MW16	MANGANESE	SW6010	18.8 =		UG/L	0.53
MW164	MW16	NICKEL	SW6010	2.4 U		UG/L	0.32
MW164	MW16	POTASSIUM	SW6010	1600 J		UG/L	824.5
MW164	MW16	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW164	MW16	SILVER	SW6010	0.5 U		UG/L	0.3
MW164	MW16	SODIUM	SW6010	34100 =		UG/L	114.2
MW164	MW16	THALLIUM	SW6010	2.1 U		UG/L	1.6
MW164	MW16	VANADIUM	SW6010	1.2 J		UG/L	0.31
MW164	MW16	ZINC	SW6010	13.2 U		UG/L	1.1
MW164	MW16	MERCURY	SW7470	0.1 U		UG/L	0.1
MW164	MW16	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW164	MW16	1,1,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW164	MW16	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW164	MW16	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW164	MW16	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW164	MW16	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW164	MW16	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW164	MW16	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	97		UG/L	0
MW164	MW16	2-HEXANONE	SW8260	10 U		UG/L	10
MW164	MW16	ACETONE	SW8260	10 U		UG/L	10
MW164	MW16	BENZENE	SW8260	10 U		UG/L	10
MW164	MW16	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW164	MW16	BROMOFORM	SW8260	10 U		UG/L	10
MW164	MW16	BROMOMETHANE	SW8260	10 U		UG/L	10
MW164	MW16	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW164	MW16	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW164	MW16	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW164	MW16	CHLOROETHANE	SW8260	10 U		UG/L	10
MW164	MW16	CHLOROFORM	SW8260	10 U		UG/L	10
MW164	MW16	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW164	MW16	cb-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW164	MW16	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW164	MW16	DIBROMOFLUOROMETHANE	SW8260	102		UG/L	0
MW164	MW16	ETHYLBENZENE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quarter	Units	Detection Limit
MW164	MW16	METHYL ETYL KETONE (2-BUTANONE)	SW8260	10 U	10 U	UG/L	10
MW164	MW16	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U	10 U	UG/L	10
MW164	MW16	METHYLENE CHLORIDE	SW8260	10 U	10 U	UG/L	10
MW164	MW16	STYRENE	SW8260	10 U	10 U	UG/L	10
MW164	MW16	TETRACHLOROETHYLENE(PCE)	SW8260	10 U	10 U	UG/L	10
MW164	MW16	TOLUENE	SW8260	10 U	10 U	UG/L	10
MW164	MW16	TOLUENE-O8	SW8260	10 U	10 U	UG/L	10
MW164	MW16	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U	10 U	UG/L	10
MW164	MW16	Total Xylenes	SW8260	10 U	10 U	UG/L	10
MW164	MW16	Trans-1,3-DICHLOROPROPENE	SW8260	10 U	10 U	UG/L	10
MW164	MW16	TRICHLOROETHYLENE (TCE)	SW8260	10 U	10 U	UG/L	10
MW164	MW16	VINYL CHLORIDE	SW8260	10 U	10 U	UG/L	10
MW164	MW16	1,2,4-TRICHLOROBENZENE	SW8270	10 U	10 U	UG/L	10
MW164	MW16	1,2-DICHLOROBENZENE	SW8270	10 U	10 U	UG/L	10
MW164	MW16	1,3-DICHLOROBENZENE	SW8270	10 U	10 U	UG/L	10
MW164	MW16	1,4-DICHLOROBENZENE	SW8270	10 U	10 U	UG/L	10
MW164	MW16	2,2-OXYBIS(1-CHLOROPROPANE)	SW8270	10 U	10 U	UG/L	10
MW164	MW16	2,4,5-TRICHLOROPHENOL	SW8270	50 U	50 U	UG/L	50
MW164	MW16	2,4,6-TRIBROMOPHENOL	SW8270	57	57	UG/L	0
MW164	MW16	2,4,6-TRICHLOROPHENOL	SW8270	10 U	10 U	UG/L	10
MW164	MW16	2,4-DICHLOROPHENOL	SW8270	10 U	10 U	UG/L	10
MW164	MW16	2,4-DIMETHYLPHENOL	SW8270	10 U	10 U	UG/L	10
MW164	MW16	2,4-DINITROPHENOL	SW8270	50 U	50 U	UG/L	50
MW164	MW16	2,4-DINITROTOLUENE	SW8270	10 U	10 U	UG/L	10
MW164	MW16	2,6-DINITROTOLUENE	SW8270	10 U	10 U	UG/L	10
MW164	MW16	2-CHLORONAPHTHALENE	SW8270	10 U	10 U	UG/L	10
MW164	MW16	2-CHLOROPHENOL	SW8270	10 U	10 U	UG/L	10
MW164	MW16	2-FLUOROBIPHENYL	SW8270	51	51	UG/L	0
MW164	MW16	2-FLUOROPHENOL	SW8270	40	40	UG/L	0
MW164	MW16	2-METHYLNAPHTHALENE	SW8270	10 U	10 U	UG/L	10
MW164	MW16	2-METHYLPHENOL (o-CRESOL)	SW8270	10 U	10 U	UG/L	10
MW164	MW16	2-NITROANILINE	SW8270	50 U	50 U	UG/L	50
MW164	MW16	2-NITROPHENOL	SW8270	10 U	10 U	UG/L	10
MW164	MW16	3,3'-DICHLOROBENZIDINE	SW8270	20 U	20 U	UG/L	20
MW164	MW16	3-NITROANILINE	SW8270	50 U	50 U	UG/L	50
MW164	MW16	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U	50 U	UG/L	50
MW164	MW16	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U	10 U	UG/L	10
MW164	MW16	4-CHLORO-3-METHYLPHENOL	SW8270	10 U	10 U	UG/L	10
MW164	MW16	4-CHLOROANILINE	SW8270	10 U	10 U	UG/L	10
MW164	MW16	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U	10 U	UG/L	10
MW164	MW16	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U	10 U	UG/L	10
MW164	MW16	4-NITROANILINE	SW8270	50 U	50 U	UG/L	50
MW164	MW16	4-NITROPHENOL	SW8270	50 U	50 U	UG/L	50

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quarter	Units	Deflection Limit
MW164	MW16	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW164	MW16	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW164	MW16	ANTHRACENE	SW8270	10 U		UG/L	10
MW164	MW16	BENZO(a)ANTHRACENE	SW8270	10 U		UG/L	10
MW164	MW16	BENZOF(b)PYRENE	SW8270	10 U		UG/L	10
MW164	MW16	BENZOF(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW164	MW16	BENZOF(l,h)PERYLENE	SW8270	10 U		UG/L	10
MW164	MW16	BENZOF(l,r)FLUORANTHENE	SW8270	10 U		UG/L	10
MW164	MW16	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW164	MW16	DIS(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW164	MW16	DIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW164	MW16	DIS(2-ETHYLHEXYL) PHTHALATE	SW8270	10 U		UG/L	10
MW164	MW16	CARBAZOLE	SW8270	10 U		UG/L	10
MW164	MW16	CHRYSENE	SW8270	10 U		UG/L	10
MW164	MW16	DI-n-BUTYL PHTHALATE	SW8270	3 J		UG/L	10
MW164	MW16	DI-n-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW164	MW16	DIBENZ(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW164	MW16	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW164	MW16	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW164	MW16	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW164	MW16	FLUORANTHENE	SW8270	10 U		UG/L	10
MW164	MW16	FLUORENE	SW8270	10 U		UG/L	10
MW164	MW16	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW164	MW16	HEXACHLOROCYCLOHEPTADIENE	SW8270	10 U		UG/L	10
MW164	MW16	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW164	MW16	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW164	MW16	INDENOX(1,2,3-c)PYRENE	SW8270	10 U		UG/L	10
MW164	MW16	ISOPHORONE	SW8270	10 U		UG/L	10
MW164	MW16	N-NITROSODI-N-PROPYLAMINE	SW8270	10 U		UG/L	10
MW164	MW16	N-NITROSODIPHENYLAMINE	SW8270	10 U		UG/L	10
MW164	MW16	NAPHTHALENE	SW8270	10 U		UG/L	10
MW164	MW16	NITROBENZENE	SW8270	10 U		UG/L	10
MW164	MW16	NITROBENZENE-D5	SW8270	57		UG/L	0
MW164	MW16	PENTA-CHLOROPHENOL	SW8270	5 U		UG/L	5
MW164	MW16	PHENANTHRENE	SW8270	10 U		UG/L	10
MW164	MW16	PHENOL	SW8270	10 U		UG/L	10
MW164	MW16	PHENOL-D5	SW8270	33		UG/L	0
MW164	MW16	PYRENE	SW8270	10 U		UG/L	10
MW164	MW16	TERPHENYL-D14	SW8270	82		UG/L	0
MW194	MW19	ALUMINUM	SW6010	10200 =		UG/L	7.9
MW194	MW19	ANTIMONY	SW6010	4.2 J		UG/L	1.7
MW194	MW19	ARSENIC	SW6010	6.8 =		UG/L	1.4
MW194	MW19	BARIUM	SW6010	139 J		UG/L	0.48

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW194	MW19	BERYLLIUM	SW6010	0.28 U		UG/L	0.025
MW194	MW19	CADMIUM	SW6010	3.6 J		UG/L	0.085
MW194	MW19	CALCIUM	SW6010	10700 =		UG/L	23.7
MW194	MW19	CHROMIUM TOTAL	SW6010	23.5 =		UG/L	1
MW194	MW19	COBALT	SW6010	2 J		UG/L	0.5
MW194	MW19	COPPER	SW6010	17.9 J		UG/L	1
MW194	MW19	IRON	SW6010	18300 J		UG/L	3.6
MW194	MW19	LEAD	SW6010	8 =		UG/L	1.3
MW194	MW19	MAGNESIUM	SW6010	4890 J		UG/L	6.2
MW194	MW19	MANGANESE	SW6010	135 =		UG/L	0.53
MW194	MW19	NICKEL	SW6010	7.1 J		UG/L	0.32
MW194	MW19	POTASSIUM	SW6010	3920 J		UG/L	824.5
MW194	MW19	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW194	MW19	SILVER	SW6010	0.5 U		UG/L	0.5
MW194	MW19	SODIUM	SW6010	9910 =		UG/L	114.2
MW194	MW19	THALLIUM	SW6010	1.6 U		UG/L	1.6
MW194	MW19	VANADIUM	SW6010	24.5 J		UG/L	0.31
MW194	MW19	ZINC	SW6010	21.9 =		UG/L	1.1
MW194	MW19	MERCURY	SW7470	0.1 U		UG/L	0.1
MW194	MW19	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW194	MW19	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW194	MW19	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW194	MW19	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW194	MW19	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW194	MW19	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW194	MW19	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW194	MW19	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	11 U		UG/L	0
MW194	MW19	2-HEXANONE	SW8260	10 U		UG/L	10
MW194	MW19	ACETONE	SW8260	10 U		UG/L	10
MW194	MW19	BENZENE	SW8260	10 U		UG/L	10
MW194	MW19	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW194	MW19	BROMOFORM	SW8260	10 U		UG/L	10
MW194	MW19	BROMOMETHANE	SW8260	10 U		UG/L	10
MW194	MW19	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW194	MW19	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW194	MW19	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW194	MW19	CHLOROETHANE	SW8260	10 U		UG/L	10
MW194	MW19	CHLOROFORM	SW8260	10 U		UG/L	10
MW194	MW19	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW194	MW19	cis-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW194	MW19	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW194	MW19	DIBROMOFLUOROMETHANE	SW8260	10 U		UG/L	10
MW194	MW19	ETHYLBENZENE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW194	MW19	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW194	MW19	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW194	MW19	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW194	MW19	STYRENE	SW8260	10 U		UG/L	10
MW194	MW19	TETRACHLOROETHYLENE (PCE)	SW8260	10 U		UG/L	10
MW194	MW19	TOLUENE	SW8260	10 U		UG/L	10
MW194	MW19	TOLUENE-DB	SW8260	110		UG/L	0
MW194	MW19	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW194	MW19	Total Xylenes	SW8260	10 U		UG/L	10
MW194	MW19	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW194	MW19	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW194	MW19	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW20	MW20	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW20	MW20	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW20	MW20	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW20	MW20	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW20	MW20	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW20	MW20	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW20	MW20	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW20	MW20	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	10 U		UG/L	0
MW20	MW20	2-HEXANONE	SW8260	10 U		UG/L	10
MW20	MW20	ACETONE	SW8260	10 U		UG/L	10
MW20	MW20	BENZENE	SW8260	10 U		UG/L	10
MW20	MW20	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW20	MW20	BROMOFORM	SW8260	10 U		UG/L	10
MW20	MW20	BROMOMETHANE	SW8260	10 U		UG/L	10
MW20	MW20	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW20	MW20	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW20	MW20	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW20	MW20	CHLOROETHANE	SW8260	10 U		UG/L	10
MW20	MW20	CHLOROFORM	SW8260	10 U		UG/L	10
MW20	MW20	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW20	MW20	cis-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW20	MW20	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW20	MW20	DIBROMOFLUOROMETHANE	SW8260	10 U		UG/L	10
MW20	MW20	ETHYLBENZENE	SW8260	10 U		UG/L	0
MW20	MW20	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW20	MW20	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW20	MW20	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW20	MW20	STYRENE	SW8260	10 U		UG/L	10
MW20	MW20	TETRACHLOROETHYLENE (PCE)	SW8260	10 U		UG/L	10
MW20	MW20	TOLUENE	SW8260	10 U		UG/L	10
MW20	MW20	TOLUENE-DB	SW8260	10 U		UG/L	0

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW20	MW20	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW20	MW20	Total Xylenes	SW8260	10 U		UG/L	10
MW20	MW20	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW20	MW20	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW20	MW20	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW204	MW20	ALUMINUM	SW6010	90.6 J		UG/L	7.9
MW204	MW20	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW204	MW20	ARSENIC	SW6010	2.3 J		UG/L	1.4
MW204	MW20	BARIUM	SW6010	69.4 J		UG/L	0.48
MW204	MW20	BERYLLIUM	SW6010	0.04 U		UG/L	0.025
MW204	MW20	CADMIUM	SW6010	0.36 J		UG/L	0.085
MW204	MW20	CALCIUM	SW6010	14800 =		UG/L	23.7
MW204	MW20	CHROMIUM TOTAL	SW6010	2.3 J		UG/L	1
MW204	MW20	COBALT	SW6010	1.4 J		UG/L	0.5
MW204	MW20	COPPER	SW6010	1 U		UG/L	1
MW204	MW20	IRON	SW6010	97.1 J		UG/L	3.6
MW204	MW20	LEAD	SW6010	1.3 U		UG/L	1.3
MW204	MW20	MAGNESIUM	SW6010	7650 =		UG/L	6.2
MW204	MW20	MANGANESE	SW6010	2.5 J		UG/L	0.53
MW204	MW20	NICKEL	SW6010	0.3 U		UG/L	0.3
MW204	MW20	POTASSIUM	SW6010	824 U		UG/L	824
MW204	MW20	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW204	MW20	SILVER	SW6010	0.5 U		UG/L	0.5
MW204	MW20	SODIUM	SW6010	15400 =		UG/L	14.2
MW204	MW20	THALLIUM	SW6010	1.6 U		UG/L	1.6
MW204	MW20	VANADIUM	SW6010	0.67 J		UG/L	0.31
MW204	MW20	ZINC	SW6010	6.2 J		UG/L	1.1
MW204	MW20	MERCURY	SW7470	0.1 U		UG/L	0.1
MW204	MW20	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW204	MW20	1,1,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW204	MW20	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW204	MW20	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW204	MW20	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW204	MW20	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW204	MW20	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW204	MW20	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	107		UG/L	0
MW204	MW20	2-HEXANONE	SW8260	10 U		UG/L	10
MW204	MW20	ACETONE	SW8260	10 U		UG/L	10
MW204	MW20	BENZENE	SW8260	10 U		UG/L	10
MW204	MW20	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW204	MW20	BROMOFORM	SW8260	10 U		UG/L	10
MW204	MW20	BROMOMETHANE	SW8260	10 U		UG/L	10
MW204	MW20	CARBON DISULFIDE	SW8260	10 U		UG/L	10

291 215

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW204	MW20	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW204	MW20	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW204	MW20	CHLOROETHANE	SW8260	10 U		UG/L	10
MW204	MW20	CHLOROFORM	SW8260	10 U		UG/L	10
MW204	MW20	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW204	MW20	cb-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW204	MW20	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW204	MW20	DIBROMOFUOROMETHANE	SW8260	10 U		UG/L	0
MW204	MW20	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW204	MW20	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW204	MW20	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW204	MW20	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW204	MW20	STYRENE	SW8260	10 U		UG/L	10
MW204	MW20	TETRACHLOROETHYLENE(PCE)	SW8260	10 U		UG/L	10
MW204	MW20	TOLUENE	SW8260	10 U		UG/L	10
MW204	MW20	TOLUENE-D8	SW8260	10 U		UG/L	0
MW204	MW20	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW204	MW20	Total Xylenes	SW8260	10 U		UG/L	10
MW204	MW20	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW204	MW20	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW204	MW20	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW204	MW20	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW204	MW20	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW204	MW20	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW204	MW20	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW204	MW20	2,2-OXYBIS(1-CHLOROPROPANE)	SW8270	10 U		UG/L	10
MW204	MW20	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW204	MW20	2,4,6-TRIBROMOPHENOL	SW8270	68		UG/L	0
MW204	MW20	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW204	MW20	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW204	MW20	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW204	MW20	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW204	MW20	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW204	MW20	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW204	MW20	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW204	MW20	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW204	MW20	2-FLUOROBIPHENYL	SW8270	71		UG/L	0
MW204	MW20	2-FLUOROPHENOL	SW8270	66		UG/L	0
MW204	MW20	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW204	MW20	2-METHYLPHENOL (O-CRESOL)	SW8270	10 U		UG/L	10
MW204	MW20	2-NITROANILINE	SW8270	50 U		UG/L	50
MW204	MW20	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW204	MW20	3,3-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW204	MW20	3-NITROANILINE	SW8270	50 U		UG/L	50
MW204	MW20	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW204	MW20	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW204	MW20	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW204	MW20	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW204	MW20	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW204	MW20	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW204	MW20	4-NITROANILINE	SW8270	50 U		UG/L	50
MW204	MW20	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW204	MW20	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW204	MW20	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW204	MW20	ANTHRACENE	SW8270	10 U		UG/L	10
MW204	MW20	BENZO(a)ANTHRACENE	SW8270	10 U		UG/L	10
MW204	MW20	BENZO(b)PYRENE	SW8270	10 U		UG/L	10
MW204	MW20	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW204	MW20	BENZO(g,h,i)PERYLENE	SW8270	10 U		UG/L	10
MW204	MW20	BENZO(j)FLUORANTHENE	SW8270	10 U		UG/L	10
MW204	MW20	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW204	MW20	Di(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW204	MW20	Di(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW204	MW20	Di(2-ETHYLHEXYL) PHTHALATE	SW8270	1 U		UG/L	10
MW204	MW20	CARBAZOLE	SW8270	10 U		UG/L	10
MW204	MW20	CHRYSENE	SW8270	10 U		UG/L	10
MW204	MW20	Di-n-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW204	MW20	Di-n-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW204	MW20	DIBENZO(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW204	MW20	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW204	MW20	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW204	MW20	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW204	MW20	FLUORANTHENE	SW8270	10 U		UG/L	10
MW204	MW20	FLUORENE	SW8270	10 U		UG/L	10
MW204	MW20	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW204	MW20	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW204	MW20	HEXACHLORO-CYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW204	MW20	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW204	MW20	INDENYL 1,2,3-c-d-PYRENE	SW8270	10 U		UG/L	10
MW204	MW20	ISOPHORONE	SW8270	10 U		UG/L	10
MW204	MW20	N-NITROSODI-N-PROPYLAMINE	SW8270	10 U		UG/L	10
MW204	MW20	N-NITROSODIPHENYLAMINE	SW8270	10 U		UG/L	10
MW204	MW20	NAPHTHALENE	SW8270	10 U		UG/L	10
MW204	MW20	NITROBENZENE	SW8270	10 U		UG/L	10
MW204	MW20	NITROBENZENE-DS	SW8270	78		UG/L	10
MW204	MW20	PENTAChloroPhenol	SW8270	5 U		UG/L	5

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW204	MW20	PHENANTHRENE	SW8270	10 U		UG/L	10
MW204	MW20	PHENOL	SW8270	10 U		UG/L	10
MW204	MW20	PHENOL-D5	SW8270	77		UG/L	0
MW204	MW20	PYRENE	SW8270	10 U		UG/L	10
MW204	MW20	TERPHEYL-D14	SW8270	75		UG/L	0
MW204D	MW20	1,2,4-TRICHLORO BENZENE	SW8270	10 U		UG/L	10
MW204D	MW20	1,2-DICHLORO BENZENE	SW8270	10 U		UG/L	10
MW204D	MW20	1,3-DICHLORO BENZENE	SW8270	10 U		UG/L	10
MW204D	MW20	1,4-DICHLORO BENZENE	SW8270	10 U		UG/L	10
MW204D	MW20	2,2-OXYBIS(1-CHLOROPROPANE)	SW8270	10 U		UG/L	10
MW204D	MW20	2,4,5-TRICHLORO PHENOL	SW8270	50 U		UG/L	50
MW204D	MW20	2,4,6-TRIBROMOPHENOL	SW8270	67		UG/L	0
MW204D	MW20	2,4,6-TRICHLORO PHENOL	SW8270	10 U		UG/L	10
MW204D	MW20	2,4-DICHLORO PHENOL	SW8270	10 U		UG/L	10
MW204D	MW20	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW204D	MW20	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW204D	MW20	2,4-DINITRO TOLUENE	SW8270	10 U		UG/L	10
MW204D	MW20	2,6-DINITRO TOLUENE	SW8270	10 U		UG/L	10
MW204D	MW20	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW204D	MW20	2-CHLORO PHENOL	SW8270	10 U		UG/L	10
MW204D	MW20	2-FLUOROBIPHENYL	SW8270	71		UG/L	0
MW204D	MW20	2-FLUOROPHENOL	SW8270	67		UG/L	0
MW204D	MW20	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW204D	MW20	2-METHYLPHENOL (o-CRESOL)	SW8270	10 U		UG/L	10
MW204D	MW20	2-NITROANILINE	SW8270	50 U		UG/L	50
MW204D	MW20	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW204D	MW20	3,3-DICHLORO BENZIDINE	SW8270	20 U		UG/L	20
MW204D	MW20	3-NITROANILINE	SW8270	50 U		UG/L	50
MW204D	MW20	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW204D	MW20	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW204D	MW20	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW204D	MW20	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW204D	MW20	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW204D	MW20	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW204D	MW20	4-NITROANILINE	SW8270	50 U		UG/L	50
MW204D	MW20	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW204D	MW20	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW204D	MW20	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW204D	MW20	ANTHRACENE	SW8270	10 U		UG/L	10
MW204D	MW20	BENZO(a)ANTHRACENE	SW8270	10 U		UG/L	10
MW204D	MW20	BENZO(b)PYRENE	SW8270	10 U		UG/L	10
MW204D	MW20	BENZO(f)FLUORANTHENE	SW8270	10 U		UG/L	10
MW204D	MW20	BENZO(g,h,i)PERYLENE	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW204D	MW20	BENZO(a)FLUORANTHENE	SW8270	10 U		UG/L	10
MW204D	MW20	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW204D	MW20	bis(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW204D	MW20	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW204D	MW20	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10 U		UG/L	10
MW204D	MW20	CARBAZOLE	SW8270	10 U		UG/L	10
MW204D	MW20	CHRYSENE	SW8270	10 U		UG/L	10
MW204D	MW20	DIP-N-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW204D	MW20	DIP-N-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW204D	MW20	DIBENZ(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW204D	MW20	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW204D	MW20	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW204D	MW20	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW204D	MW20	FLUORANTHENE	SW8270	10 U		UG/L	10
MW204D	MW20	FLUORENE	SW8270	10 U		UG/L	10
MW204D	MW20	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW204D	MW20	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW204D	MW20	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW204D	MW20	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW204D	MW20	INDENOX(1,2,3-c,d)PYRENE	SW8270	10 U		UG/L	10
MW204D	MW20	ISOPHORONE	SW8270	10 U		UG/L	10
MW204D	MW20	N-NITROSODIPROPYLAMINE	SW8270	10 U		UG/L	10
MW204D	MW20	N-NITROSODIPHENYLAMINE	SW8270	10 U		UG/L	10
MW204D	MW20	NAPHTHALENE	SW8270	10 U		UG/L	10
MW204D	MW20	NITROBENZENE	SW8270	10 U		UG/L	10
MW204D	MW20	NITROBENZENE-O5	SW8270	77		UG/L	0
MW204D	MW20	PENTACHLOROPHENOL	SW8270	50		UG/L	5
MW204D	MW20	PHENANTHRENE	SW8270	10 U		UG/L	10
MW204D	MW20	PHENOL	SW8270	10 U		UG/L	10
MW204D	MW20	PHENOL-O5	SW8270	73		UG/L	0
MW204D	MW20	PYRENE	SW8270	10 U		UG/L	10
MW204D	MW20	TERPHENYLO14	SW8270	73		UG/L	0
MW214	MW21	NITROGEN, AMMONIA (AS N)	E350.2	0.2 U		MG/L	0.2
MW214	MW21	NITROGEN, NITRATE-NITRITE	E353.2	3.45 =		MG/L	0.1
MW214	MW21	TOTAL ORGANIC CARBON	E415.2	11 U		MG/L	1
MW214	MW21	ETHANE	SW3810	0.71 U		UG/L	0.71
MW214	MW21	ETHENE	SW3810	0.74 U		UG/L	0.74
MW214	MW21	METHANE	SW3810	0.37 U		UG/L	0.37
MW214	MW21	ALUMINIUM	SW6010	14.5 J		UG/L	7.9
MW214	MW21	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW214	MW21	ARSENIC	SW6010	2.6 U		UG/L	1.4
MW214	MW21	BARIUM	SW6010	46.6 J		UG/L	0.46
MW214	MW21	BERYLLIUM	SW6010	0.02 U		UG/L	0.02

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW214	MW21	CADMIUM	SW6010	0.04 J		UG/L	0.085
MW214	MW21	CALCIUM	SW6010	13500 =		UG/L	23.7
MW214	MW21	CHROMIUM TOTAL	SW6010	3.4 U		UG/L	1
MW214	MW21	COBALT	SW6010	9.3 U		UG/L	0.5
MW214	MW21	COPPER	SW6010	1.3 U		UG/L	1
MW214	MW21	IRON	SW6010	1.39 =		UG/L	3.0
MW214	MW21	LEAD	SW6010	1.3 U		UG/L	1.3
MW214	MW21	MAGNESIUM	SW6010	7440 =		UG/L	6.2
MW214	MW21	MANGANESE	SW6010	1.2 J		UG/L	0.53
MW214	MW21	NICKEL	SW6010	0.6 U		UG/L	0.32
MW214	MW21	POTASSIUM	SW6010	824 U		UG/L	824
MW214	MW21	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW214	MW21	SILVER	SW6010	0.5 U		UG/L	0.5
MW214	MW21	SODIUM	SW6010	16100 =		UG/L	114.2
MW214	MW21	THALLIUM	SW6010	1.6 U		UG/L	1.6
MW214	MW21	VANADIUM	SW6010	0.59 J		UG/L	0.31
MW214	MW21	ZINC	SW6010	62 =		UG/L	1.1
MW214	MW21	MERCURY	SW7470	0.1 U		UG/L	0.1
MW214	MW21	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW214	MW21	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW214	MW21	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW214	MW21	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW214	MW21	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW214	MW21	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW214	MW21	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW214	MW21	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	99		UG/L	0
MW214	MW21	2-HEXANONE	SW8260	10 U		UG/L	10
MW214	MW21	ACETONE	SW8260	10 U		UG/L	10
MW214	MW21	BENZENE	SW8260	10 U		UG/L	10
MW214	MW21	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW214	MW21	BROMOFORM	SW8260	10 U		UG/L	10
MW214	MW21	BROMOMETHANE	SW8260	10 U		UG/L	10
MW214	MW21	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW214	MW21	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW214	MW21	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW214	MW21	CHLOROETHANE	SW8260	10 U		UG/L	10
MW214	MW21	CHLOROFORM	SW8260	10 U		UG/L	10
MW214	MW21	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW214	MW21	68-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW214	MW21	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW214	MW21	DIBROMOFLUOROMETHANE	SW8260	10 U		UG/L	10
MW214	MW21	ETHYLBENZENE	SW8260	103		UG/L	0
MW214	MW21	METHYLETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10

291 220

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW214	MW21	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW214	MW21	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW214	MW21	STYRENE	SW8260	10 U		UG/L	10
MW214	MW21	TETRACHLOROETHYLENE (PCE)	SW8260	76 =		UG/L	10
MW214	MW21	TOLUENE	SW8260	10 U		UG/L	10
MW214	MW21	TOLUENE-DB	SW8260	102		UG/L	0
MW214	MW21	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW214	MW21	Total Xylenes	SW8260	10 U		UG/L	10
MW214	MW21	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW214	MW21	TRICHLOROETHYLENE (TCE)	SW8260	16 =		UG/L	10
MW214	MW21	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW214	MW21	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW214	MW21	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW214	MW21	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW214	MW21	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW214	MW21	2,2-DIMETHYL-1-CHLOROPROPANE	SW8270	10 U		UG/L	10
MW214	MW21	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW214	MW21	2,4,6-TRIBROMOPHENOL	SW8270	53		UG/L	0
MW214	MW21	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW214	MW21	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW214	MW21	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW214	MW21	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW214	MW21	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW214	MW21	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW214	MW21	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW214	MW21	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW214	MW21	2-FLUOROPHENYL	SW8270	55		UG/L	0
MW214	MW21	2-FLUOROPHENOL	SW8270	54		UG/L	0
MW214	MW21	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW214	MW21	2-METHYLPHENOL (O-CRESOL)	SW8270	10 U		UG/L	10
MW214	MW21	2-NITROANILINE	SW8270	50 U		UG/L	50
MW214	MW21	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW214	MW21	3,3'-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW214	MW21	3-NITROANILINE	SW8270	50 U		UG/L	50
MW214	MW21	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW214	MW21	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW214	MW21	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW214	MW21	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW214	MW21	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW214	MW21	4-METHYLPHENOL (P-CRESOL)	SW8270	50 U		UG/L	50
MW214	MW21	4-NITROANILINE	SW8270	50 U		UG/L	50
MW214	MW21	4-NITROPHENOL	SW8270	10 U		UG/L	10
MW214	MW21	ACENAPHTHENE	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW214	MW21	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW214	MW21	ANTHRACENE	SW8270	10 U		UG/L	10
MW214	MW21	BENZO(a)ANTHRACENE	SW8270	10 U		UG/L	10
MW214	MW21	BENZO(b)PYRENE	SW8270	10 U		UG/L	10
MW214	MW21	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW214	MW21	BENZO(a)FLUORANTHENE	SW8270	10 U		UG/L	10
MW214	MW21	BENZYL BURL PHTHALATE	SW8270	10 U		UG/L	10
MW214	MW21	bis(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW214	MW21	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW214	MW21	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	4 U		UG/L	10
MW214	MW21	CARBAZOLE	SW8270	10 U		UG/L	10
MW214	MW21	CHRYSENE	SW8270	10 U		UG/L	10
MW214	MW21	DI-n-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW214	MW21	DI-n-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW214	MW21	DIBENZ(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW214	MW21	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW214	MW21	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW214	MW21	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW214	MW21	FLUORANTHENE	SW8270	10 U		UG/L	10
MW214	MW21	FLUORENE	SW8270	10 U		UG/L	10
MW214	MW21	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW214	MW21	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW214	MW21	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW214	MW21	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW214	MW21	INDENO(1,2,3-cd)PYRENE	SW8270	10 U		UG/L	10
MW214	MW21	ISOPHORONE	SW8270	10 U		UG/L	10
MW214	MW21	N-NITROSODI-n-PROPYLAMINE	SW8270	10 U		UG/L	10
MW214	MW21	N-NITROSODIPHENYLAMINE	SW8270	10 U		UG/L	10
MW214	MW21	NAPHTHALENE	SW8270	10 U		UG/L	10
MW214	MW21	NITROBENZENE	SW8270	10 U		UG/L	10
MW214	MW21	NITROBENZENE d5	SW8270	62		UG/L	0
MW214	MW21	PENTACHLOROPHENOL	SW8270	5 U		UG/L	5
MW214	MW21	PHENANTHRENE	SW8270	10 U		UG/L	10
MW214	MW21	PHENOL	SW8270	10 U		UG/L	10
MW214	MW21	PHENOL-d5	SW8270	60		UG/L	0
MW214	MW21	PYRENE	SW8270	10 U		UG/L	10
MW214	MW21	TERPHENYL-D14	SW8270	60		UG/L	0
MW214	MW21	CHLORIDE (AS CL)	SW9056	13.5 =		MG/L	0.1
MW214	MW21	SULFATE (AS SO4)	SW9056	5.9 =		MG/L	0.1
MW224	MW22	NITROGEN, AMMONIA (AS N)	E350.2	0.2 U		MG/L	0.2
MW224	MW22	NITROGEN, NITRATE-NITRITE	E353.2	8.41 =		MG/L	0.5
MW224	MW22	TOTAL ORGANIC CARBON	E415.2	2 =		MG/L	1

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW224	MW22	ETHANE	SW3810	0.75 U		UG/L	0.75
MW224	MW22	ETHENE	SW3810	0.79 U		UG/L	0.79
MW224	MW22	METHANE	SW3810	2.2 =		UG/L	0.31
MW224	MW22	ALUMINIUM	SW6010	173 U		UG/L	7.9
MW224	MW22	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW224	MW22	ARSENIC	SW6010	3.1 U		UG/L	1.4
MW224	MW22	BARIUM	SW6010	90.3 J		UG/L	0.48
MW224	MW22	BERYLLIUM	SW6010	0.06 U		UG/L	0.025
MW224	MW22	CADMIUM	SW6010	0.3 J		UG/L	0.085
MW224	MW22	CALCIUM	SW6010	22400 =		UG/L	23.7
MW224	MW22	CHROMIUM TOTAL	SW6010	3.2 J		UG/L	1
MW224	MW22	COBALT	SW6010	0.5 U		UG/L	0.5
MW224	MW22	COPPER	SW6010	3.6 U		UG/L	1
MW224	MW22	IRON	SW6010	800 =		UG/L	3.6
MW224	MW22	LEAD	SW6010	1.3 U		UG/L	1.3
MW224	MW22	MAGNESIUM	SW6010	11900 =		UG/L	6.2
MW224	MW22	MANGANESE	SW6010	2.5 J		UG/L	0.53
MW224	MW22	NICKEL	SW6010	0.3 U		UG/L	0.3
MW224	MW22	POTASSIUM	SW6010	1100 J		UG/L	824.5
MW224	MW22	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW224	MW22	SILVER	SW6010	0.5 U		UG/L	0.5
MW224	MW22	SODIUM	SW6010	33100 =		UG/L	114.2
MW224	MW22	THALLIUM	SW6010	2.2 U		UG/L	1.6
MW224	MW22	VANADIUM	SW6010	0.65 J		UG/L	0.31
MW224	MW22	ZINC	SW6010	4.5 U		UG/L	1.1
MW224	MW22	MERCURY	SW7470	0.1 U		UG/L	0.1
MW224	MW22	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW224	MW22	1,1,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW224	MW22	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW224	MW22	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW224	MW22	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW224	MW22	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW224	MW22	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW224	MW22	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	107		UG/L	0
MW224	MW22	2-HEXANONE	SW8260	10 U		UG/L	10
MW224	MW22	ACETONE	SW8260	10 U		UG/L	10
MW224	MW22	BENZENE	SW8260	10 U		UG/L	10
MW224	MW22	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW224	MW22	BROMOFORM	SW8260	10 U		UG/L	10
MW224	MW22	BROMOMETHANE	SW8260	10 U		UG/L	10
MW224	MW22	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW224	MW22	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW224	MW22	CHLOROBEZENE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW224	MW22	CHLOROETHANE	SW8260	10 U		UG/L	10
MW224	MW22	CHLOROFORM	SW8260	10 U		UG/L	10
MW224	MW22	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW224	MW22	GB-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW224	MW22	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW224	MW22	DIBROMOFLUOROMETHANE	SW8260	95		UG/L	0
MW224	MW22	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW224	MW22	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW224	MW22	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW224	MW22	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW224	MW22	STYRENE	SW8260	10 U		UG/L	10
MW224	MW22	TETRACHLOROETHYLENE(PCE)	SW8260	10 U		UG/L	10
MW224	MW22	TOLUENE	SW8260	10 U		UG/L	10
MW224	MW22	TOLUENE-DB	SW8260	106		UG/L	0
MW224	MW22	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW224	MW22	Total Xylenes	SW8260	10 U		UG/L	10
MW224	MW22	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW224	MW22	TRICHLOROETHYLENE (TCE)	SW8260	1 U		UG/L	10
MW224	MW22	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW224	MW22	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW224	MW22	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW224	MW22	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW224	MW22	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW224	MW22	2,2-OXYBIS(1-CHLOROPROPANE)	SW8270	50 U		UG/L	50
MW224	MW22	2,4,5-TRICHLOROPHENOL	SW8270	62		UG/L	0
MW224	MW22	2,4,6-TRIBROMOPHENOL	SW8270	10 U		UG/L	10
MW224	MW22	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW224	MW22	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW224	MW22	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW224	MW22	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW224	MW22	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW224	MW22	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW224	MW22	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW224	MW22	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW224	MW22	2-FLUOROBIPHENYL	SW8270	68		UG/L	0
MW224	MW22	2-FLUOROPHENOL	SW8270	58		UG/L	0
MW224	MW22	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW224	MW22	2-METHYLPHENOL (o-CRESOL)	SW8270	10 U		UG/L	10
MW224	MW22	2-NITROANILINE	SW8270	50 U		UG/L	50
MW224	MW22	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW224	MW22	3,3'-DACHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW224	MW22	3-NITROANILINE	SW8270	50 U		UG/L	50
MW224	MW22	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50

DDMI March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quantities	Units	Detection Limit
MW224	MW22	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW224	MW22	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW224	MW22	4-CHLORANILINE	SW8270	10 U		UG/L	10
MW224	MW22	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW224	MW22	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW224	MW22	4-NITROANILINE	SW8270	50 U		UG/L	50
MW224	MW22	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW224	MW22	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW224	MW22	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW224	MW22	ANTHRACENE	SW8270	10 U		UG/L	10
MW224	MW22	BENZOXANTHACENE	SW8270	10 U		UG/L	10
MW224	MW22	BENZOPYRENE	SW8270	10 U		UG/L	10
MW224	MW22	BENZOFULORANTHENE	SW8270	10 U		UG/L	10
MW224	MW22	BENZOPERMYLENE	SW8270	10 U		UG/L	10
MW224	MW22	BENZOFULORANTHENE	SW8270	10 U		UG/L	10
MW224	MW22	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW224	MW22	BIS(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW224	MW22	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW224	MW22	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270	10 U		UG/L	10
MW224	MW22	CARBAZOLE	SW8270	10 U		UG/L	10
MW224	MW22	CHRYSENE	SW8270	10 U		UG/L	10
MW224	MW22	DI-n-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW224	MW22	DI-n-OCTYL PHTHALATE	SW8270	2 J		UG/L	10
MW224	MW22	DIBENZ(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW224	MW22	DIBENZO(FURAN)	SW8270	10 U		UG/L	10
MW224	MW22	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW224	MW22	FLUORANTHENE	SW8270	10 U		UG/L	10
MW224	MW22	FLUORENE	SW8270	10 U		UG/L	10
MW224	MW22	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW224	MW22	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW224	MW22	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW224	MW22	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW224	MW22	INDENO(1,2,3-c,d)PYRENE	SW8270	10 U		UG/L	10
MW224	MW22	ISOPHORONE	SW8270	10 U		UG/L	10
MW224	MW22	N-NITROSODI-n-PROPYLAMINE	SW8270	10 U		UG/L	10
MW224	MW22	N-NITROSODIPHENYLAMINE	SW8270	10 U		UG/L	10
MW224	MW22	NAPHTHALENE	SW8270	10 U		UG/L	10
MW224	MW22	NITROBENZENE	SW8270	10 U		UG/L	10
MW224	MW22	NITROBENZENE-D5	SW8270	76		UG/L	10
MW224	MW22	PENTACHLOROPHENOL	SW8270	5 U		UG/L	5
MW224	MW22	PHENANTHRENE	SW8270	10 U		UG/L	10
MW224	MW22	PHENOL	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	% Variance	Project Classifier	Units	Detection Limit
MW224	MW22	PHENOL-DS	SW8270	70		UG/L	0
MW224	MW22	PYRENE	SW8270	10 U		UG/L	10
MW224	MW22	TERPENEYL-D14	SW8270	66		UG/L	0
MW224	MW22	CHLORIDE (AS CL)	SW9056	38.7 =		MG/L	0.1
MW224	MW22	SULFATE (AS SO4)	SW9056	20.8 =		MG/L	0.1
MW234	MW23	NITROGEN, AMMONIA (AS N)	E350.2	0.2 U		MG/L	0.2
MW234	MW23	NITROGEN, NITRATE-NITRITE	E353.2	1.88 =		MG/L	0.05
MW234	MW23	TOTAL ORGANIC CARBON	E415.2	1 U		MG/L	1
MW234	MW23	ETHANE	SW3810	0.69 U		UG/L	0.69
MW234	MW23	ETHENE	SW3810	0.73 U		UG/L	0.73
MW234	MW23	METHANE	SW3810	1.13 =		UG/L	0.31
MW234	MW23	ALUMINUM	SW6010	27.4 J		UG/L	7.9
MW234	MW23	ANTIMONY	SW6010	1.7 J		UG/L	1.7
MW234	MW23	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW234	MW23	BARIUM	SW6010	64.2 J		UG/L	0.48
MW234	MW23	BERYLLIUM	SW6010	0.06 U		UG/L	0.025
MW234	MW23	CADMIUM	SW6010	0.1 U		UG/L	0.1
MW234	MW23	CALCIUM	SW6010	22400 =		UG/L	23.7
MW234	MW23	CHROMIUM, TOTAL	SW6010	2.6 J		UG/L	
MW234	MW23	COBALT	SW6010	16.9 J		UG/L	0.5
MW234	MW23	COPPER	SW6010	1 U		UG/L	1
MW234	MW23	IRON	SW6010	3.6 U U		UG/L	3.6
MW234	MW23	LEAD	SW6010	2.9 J		UG/L	1.3
MW234	MW23	MAGNESIUM	SW6010	11000 =		UG/L	6.2
MW234	MW23	MANGANESE	SW6010	1.8 J		UG/L	0.53
MW234	MW23	NICKEL	SW6010	0.3 U		UG/L	0.3
MW234	MW23	POTASSIUM	SW6010	1050 J		UG/L	824.5
MW234	MW23	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW234	MW23	SILVER	SW6010	0.5 U		UG/L	0.5
MW234	MW23	SODIUM	SW6010	14400 =		UG/L	114.2
MW234	MW23	THALLIUM	SW6010	3 U		UG/L	1.6
MW234	MW23	VANADIUM	SW6010	0.31 J		UG/L	0.31
MW234	MW23	ZINC	SW6010	4.8 J		UG/L	1.1
MW234	MW23	MERCURY	SW7470	0.1 U		UG/L	0.1
MW234	MW23	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW234	MW23	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW234	MW23	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW234	MW23	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW234	MW23	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW234	MW23	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW234	MW23	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW234	MW23	1-BROMO-4-FLUOROBENZENE	SW8260	105		UG/L	0
MW234	MW23	2-HEXANONE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW234	MW23	ACETONE	SW8260	10 U		UG/L	10
MW234	MW23	BENZENE	SW8260	10 U		UG/L	10
MW234	MW23	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW234	MW23	BROMOFORM	SW8260	10 U		UG/L	10
MW234	MW23	BROMOMETHANE	SW8260	10 U		UG/L	10
MW234	MW23	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW234	MW23	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW234	MW23	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW234	MW23	CHLOROETHANE	SW8260	10 U		UG/L	10
MW234	MW23	CHLOROFORM	SW8260	10 U		UG/L	10
MW234	MW23	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW234	MW23	cis-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW234	MW23	DI-BROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW234	MW23	DI-BROMODICHLOROMETHANE	SW8260	99		UG/L	0
MW234	MW23	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW234	MW23	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW234	MW23	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW234	MW23	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW234	MW23	STYRENE	SW8260	10 U		UG/L	10
MW234	MW23	TETRACHLOROETHYLENE(PCE)	SW8260	10 U		UG/L	10
MW234	MW23	TOLUENE	SW8260	10 U		UG/L	10
MW234	MW23	TOLUENE-O8	SW8260	105		UG/L	0
MW234	MW23	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW234	MW23	Total xylenes	SW8260	10 U		UG/L	10
MW234	MW23	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW234	MW23	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW234	MW23	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW234	MW23	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW234	MW23	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW234	MW23	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW234	MW23	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW234	MW23	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10 U		UG/L	10
MW234	MW23	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW234	MW23	2,4,6-TRIBROMOPHENOL	SW8270	61		UG/L	0
MW234	MW23	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW234	MW23	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW234	MW23	2,4-DIMETHYLPHENOL	SW8270	50 U		UG/L	50
MW234	MW23	2,4-DINITROPHENOL	SW8270	10 U		UG/L	10
MW234	MW23	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW234	MW23	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW234	MW23	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW234	MW23	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW234	MW23	2-FLUOROBIPHENYL	SW8270	70		UG/L	0

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW234	MW23	2-FLUOROPHENOL	SW8270	dl		UG/L	0
MW234	MW23	2-METHYLNAPHTHALENE	SW8270	10.0		UG/L	10
MW234	MW23	2-METHYLPHENOL (O-CRESOL)	SW8270	10.0		UG/L	10
MW234	MW23	2-NITROANILINE	SW8270	50.0		UG/L	50
MW234	MW23	2-NITROPHENOL	SW8270	10.0		UG/L	10
MW234	MW23	3,3-DICHLOROBENZIDINE	SW8270	20.0		UG/L	20
MW234	MW23	3-NITROANILINE	SW8270	50.0		UG/L	50
MW234	MW23	4,6-DINITRO-2-METHYLPHENOL	SW8270	50.0		UG/L	50
MW234	MW23	4-BROMOPHENYL PHENYL ETHER	SW8270	10.0		UG/L	10
MW234	MW23	4-CHLORO-3-METHYLPHENOL	SW8270	10.0		UG/L	10
MW234	MW23	4-CHLOROANILINE	SW8270	10.0		UG/L	10
MW234	MW23	4-CHLOROPHENYL PHENYL ETHER	SW8270	10.0		UG/L	10
MW234	MW23	4-METHYLPHENOL (P-CRESOL)	SW8270	10.0		UG/L	10
MW234	MW23	4-NITROANILINE	SW8270	50.0		UG/L	50
MW234	MW23	4-NITROPHENOL	SW8270	50.0		UG/L	50
MW234	MW23	ACENAPHTHENE	SW8270	10.0		UG/L	10
MW234	MW23	ACENAPHTHYLENE	SW8270	10.0		UG/L	10
MW234	MW23	ANTHRACENE	SW8270	10.0		UG/L	10
MW234	MW23	BENZOFANTHRACENE	SW8270	10.0		UG/L	10
MW234	MW23	BENZOPYRENE	SW8270	10.0		UG/L	10
MW234	MW23	Benzo(b)fluoranthene	SW8270	10.0		UG/L	10
MW234	MW23	Benzo(g,h,i)perylene	SW8270	10.0		UG/L	10
MW234	MW23	Benzo(k)fluoranthene	SW8270	10.0		UG/L	10
MW234	MW23	Benzyl butyl phthalate	SW8270	10.0		UG/L	10
MW234	MW23	Di(2-chloroethoxy) methane	SW8270	10.0		UG/L	10
MW234	MW23	Di(2-chloroethyl) ether (2-chloroethyl ether)	SW8270	10.0		UG/L	10
MW234	MW23	Di(2-ethylhexyl) phthalate	SW8270	10.0		UG/L	10
MW234	MW23	CARBAZOLE	SW8270	10.0		UG/L	10
MW234	MW23	CHRYSENE	SW8270	10.0		UG/L	10
MW234	MW23	Di-n-butyl phthalate	SW8270	10.0		UG/L	10
MW234	MW23	Di-n-octylphthalate	SW8270	10.0		UG/L	10
MW234	MW23	DIBENZ(a,h)ANTHRACENE	SW8270	10.0		UG/L	10
MW234	MW23	DIBENZO(b,f)PHTHALATE	SW8270	10.0		UG/L	10
MW234	MW23	DIETHYL PHTHALATE	SW8270	10.0		UG/L	10
MW234	MW23	DIMETHYL PHTHALATE	SW8270	10.0		UG/L	10
MW234	MW23	FLUORANTHENE	SW8270	10.0		UG/L	10
MW234	MW23	FLUORENE	SW8270	10.0		UG/L	10
MW234	MW23	HEXACHLOROBENZENE	SW8270	10.0		UG/L	10
MW234	MW23	HEXACHLOROBUTADIENE	SW8270	10.0		UG/L	10
MW234	MW23	HEXACHLOROCYCLOPENTADIENE	SW8270	10.0		UG/L	10
MW234	MW23	HEXACHLOROETHANE	SW8270	10.0		UG/L	10
MW234	MW23	INDEN(1,2,3-c,d)PYRENE	SW8270	10.0		UG/L	10
MW234	MW23	ISOPHTHALENE	SW8270	10.0		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quotient	Units	Detection Limit
MW234	MW23	N-NITROSO-D-PROPYLAMINE	SW8270	10 U		UG/L	10
MW234	MW23	N-NITROSO-DIPHENYLAMINE	SW8270	10 U		UG/L	10
MW234	MW23	NAPHTHALENE	SW8270	10 U		UG/L	10
MW234	MW23	NITROBENZENE	SW8270	10 U		UG/L	10
MW234	MW23	NITROBENZENE-D5	SW8270	73		UG/L	0
MW234	MW23	PENTACHLOROPHENOL	SW8270	5 U		UG/L	5
MW234	MW23	PHENANTHRENE	SW8270	10 U		UG/L	10
MW234	MW23	PHENOL	SW8270	10 U		UG/L	10
MW234	MW23	PHENOL-D5	SW8270	64		UG/L	0
MW234	MW23	PYRENE	SW8270	10 U		UG/L	10
MW234	MW23	TERPHENYL-D14	SW8270	67		UG/L	0
MW234	MW23	CHLORIDE (AS CL)	SW9056	20.6 =		MG/L	0.1
MW234	MW23	SULFATE (AS SO4)	SW9056	15.7 =		MG/L	0.1
MW244	MW24	ALUMINIUM	SW6010	204 =		UG/L	7.9
MW244	MW24	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW244	MW24	ARSENIC	SW6010	2.9 U		UG/L	1.4
MW244	MW24	BARUM	SW6010	31.2 J		UG/L	0.40
MW244	MW24	BERYLLIUM	SW6010	0.07 U		UG/L	0.025
MW244	MW24	CADMIUM	SW6010	0.19 U		UG/L	0.085
MW244	MW24	CALCIUM	SW6010	7580 =		UG/L	23.7
MW244	MW24	CHROMIUM TOTAL	SW6010	5 U		UG/L	1
MW244	MW24	COBALT	SW6010	0.5 U		UG/L	0.5
MW244	MW24	COPPER	SW6010	1 U		UG/L	1
MW244	MW24	IRON	SW6010	738 =		UG/L	3.6
MW244	MW24	LEAD	SW6010	1.3 U		UG/L	1.3
MW244	MW24	MAGNESIUM	SW6010	3630 J		UG/L	6.2
MW244	MW24	MANGANESE	SW6010	5.5 J		UG/L	0.53
MW244	MW24	NICKEL	SW6010	0.3 U		UG/L	0.3
MW244	MW24	POTASSIUM	SW6010	915 J		UG/L	824.5
MW244	MW24	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW244	MW24	SILVER	SW6010	0.5 U		UG/L	0.5
MW244	MW24	SODIUM	SW6010	11800 =		UG/L	114.2
MW244	MW24	THALLIUM	SW6010	3.1 U		UG/L	1.6
MW244	MW24	VANADIUM	SW6010	0.5 J		UG/L	0.31
MW244	MW24	ZINC	SW6010	5.2 U		UG/L	1.1
MW244	MW24	MERCURY	SW7470	0.1 U		UG/L	0.1
MW244	MW24	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW244	MW24	1,1,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW244	MW24	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW244	MW24	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW244	MW24	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW244	MW24	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW244	MW24	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW244	MW24	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	10U		UG/L	0
MW244	MW24	2-HEXANONE	SW8260	10U		UG/L	10
MW244	MW24	ACETONE	SW8260	10U		UG/L	10
MW244	MW24	BENZENE	SW8260	10U		UG/L	10
MW244	MW24	BROMODICHLOROMETHANE	SW8260	10U		UG/L	10
MW244	MW24	BROMOFORM	SW8260	10U		UG/L	10
MW244	MW24	BROMOMETHANE	SW8260	10U		UG/L	10
MW244	MW24	CARBON DISULFIDE	SW8260	10U		UG/L	10
MW244	MW24	CARBON TETRACHLORIDE	SW8260	10U		UG/L	10
MW244	MW24	CHLOROBENZENE	SW8260	10U		UG/L	10
MW244	MW24	CHLOROETHANE	SW8260	10U		UG/L	10
MW244	MW24	CHLOROFORM	SW8260	10U		UG/L	10
MW244	MW24	CHLOROMETHANE	SW8260	10U		UG/L	10
MW244	MW24	DB-1,3-DICHLOROPROPENE	SW8260	10U		UG/L	10
MW244	MW24	DIBROMOCHLOROMETHANE	SW8260	10U		UG/L	10
MW244	MW24	DIBROMOFLUOROMETHANE	SW8260	95		UG/L	0
MW244	MW24	ETHYLBENZENE	SW8260	10U		UG/L	10
MW244	MW24	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10U		UG/L	10
MW244	MW24	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10U		UG/L	10
MW244	MW24	METHYLENE CHLORIDE	SW8260	10U		UG/L	10
MW244	MW24	STYRENE	SW8260	10U		UG/L	10
MW244	MW24	TETRACHLOROETHYLENE (PCE)	SW8260	10U		UG/L	10
MW244	MW24	TOLUENE	SW8260	10U		UG/L	10
MW244	MW24	TOLUENE-D8	SW8260	107		UG/L	0
MW244	MW24	TOTAL 1,2-DICHLOROETHENE	SW8260	10U		UG/L	10
MW244	MW24	Total Xylenes	SW8260	10U		UG/L	10
MW244	MW24	trans-1,3-DICHLOROPROPENE	SW8260	10U		UG/L	10
MW244	MW24	TRICHLOROETHYLENE (TCE)	SW8260	10U		UG/L	10
MW244	MW24	VINYL CHLORIDE	SW8260	10U		UG/L	10
MW244	MW24	1,2,4-TRICHLOROBENZENE	SW8270	10U		UG/L	10
MW244	MW24	1,2-DICHLOROBENZENE	SW8270	10U		UG/L	10
MW244	MW24	1,3-DICHLOROBENZENE	SW8270	10U		UG/L	10
MW244	MW24	1,4-DICHLOROBENZENE	SW8270	10U		UG/L	10
MW244	MW24	2,2-OXYBIS(1-CHLOROPROPANE)	SW8270	10U		UG/L	10
MW244	MW24	2,4,5-TRICHLOROPHENOL	SW8270	50U		UG/L	50
MW244	MW24	2,4,6-TRIBROMOPHENOL	SW8270	64		UG/L	0
MW244	MW24	2,4,6-TRICHLOROPHENOL	SW8270	10U		UG/L	10
MW244	MW24	2,4-DICHLOROPHENOL	SW8270	10U		UG/L	10
MW244	MW24	2,4-DIMETHYLPHENOL	SW8270	10U		UG/L	10
MW244	MW24	2,4-DINITROPHENOL	SW8270	50U		UG/L	50
MW244	MW24	2,4-DINITROTOLUENE	SW8270	10U		UG/L	10
MW244	MW24	2,6-DINITROTOLUENE	SW8270	10U		UG/L	10
MW244	MW24	2-CHLORONAPHTHALENE	SW8270	10U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Detection Limit	Units
MW244	MW24	2-CHLOROPHENOL	SW8270	10 U	10	UG/L
MW244	MW24	2-FLUOROBIPHENYL	SW8270	86	0	UG/L
MW244	MW24	2-FLUOROPHENOL	SW8270	72	0	UG/L
MW244	MW24	2-METHYLNAPHTHALENE	SW8270	10 U	10	UG/L
MW244	MW24	2-METHYLPHENOL (O-CRESOL)	SW8270	10 U	10	UG/L
MW244	MW24	2-NITROANILINE	SW8270	50 U	50	UG/L
MW244	MW24	2-NITROPHENOL	SW8270	10 U	10	UG/L
MW244	MW24	3,3'-DICHLOROBENZIDINE	SW8270	20 U	20	UG/L
MW244	MW24	3-NITROANILINE	SW8270	50 U	50	UG/L
MW244	MW24	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U	50	UG/L
MW244	MW24	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U	10	UG/L
MW244	MW24	4-CHLORO-3-METHYLPHENOL	SW8270	10 U	10	UG/L
MW244	MW24	4-CHLOROANILINE	SW8270	10 U	10	UG/L
MW244	MW24	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U	10	UG/L
MW244	MW24	4-METHYLPHENOL (P-CRESOL)	SW8270	10 U	10	UG/L
MW244	MW24	4-NITROANILINE	SW8270	50 U	50	UG/L
MW244	MW24	4-NITROPHENOL	SW8270	50 U	50	UG/L
MW244	MW24	ACENAPHTHENE	SW8270	10 U	10	UG/L
MW244	MW24	ACENAPHTHYLENE	SW8270	10 U	10	UG/L
MW244	MW24	ANTHRACENE	SW8270	10 U	10	UG/L
MW244	MW24	BENZO(a)ANTHRACENE	SW8270	10 U	10	UG/L
MW244	MW24	BENZO(b)PYRENE	SW8270	10 U	10	UG/L
MW244	MW24	BENZO(k)FLUORANTHENE	SW8270	10 U	10	UG/L
MW244	MW24	BENZO(g,h,i)PERYLENE	SW8270	10 U	10	UG/L
MW244	MW24	BENZO(k)FLUORANTHENE	SW8270	10 U	10	UG/L
MW244	MW24	BENZYL BUTYL PHTHALATE	SW8270	10 U	10	UG/L
MW244	MW24	BIS(2-CHLOROETHOXY) METHANE	SW8270	10 U	10	UG/L
MW244	MW24	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U	10	UG/L
MW244	MW24	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270	3 J	10	UG/L
MW244	MW24	CARBAZOLE	SW8270	10 U	10	UG/L
MW244	MW24	CHRYSENE	SW8270	10 U	10	UG/L
MW244	MW24	DI-n-BUTYL PHTHALATE	SW8270	10 U	10	UG/L
MW244	MW24	DI-n-OCTYL PHTHALATE	SW8270	10 U	10	UG/L
MW244	MW24	DIBENZ(a,h)ANTHRACENE	SW8270	10 U	10	UG/L
MW244	MW24	DIBENZOFURAN	SW8270	10 U	10	UG/L
MW244	MW24	DIETHYL PHTHALATE	SW8270	10 U	10	UG/L
MW244	MW24	DIMETHYL PHTHALATE	SW8270	10 U	10	UG/L
MW244	MW24	FLUORANTHENE	SW8270	10 U	10	UG/L
MW244	MW24	FLUORENE	SW8270	10 U	10	UG/L
MW244	MW24	HEXACHLOROBENZENE	SW8270	10 U	10	UG/L
MW244	MW24	HEXACHLOROBUTADIENE	SW8270	10 U	10	UG/L
MW244	MW24	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U	10	UG/L
MW244	MW24	HEXACHLOROETHANE	SW8270	10 U	10	UG/L

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID #	Station ID #	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW244	MW24	INDENOL (2,3-cis)PYRENE	SW8270	10 U		UG/L	10
MW244	MW24	ISOPHORONE	SW8270	10 U		UG/L	10
MW244	MW24	N-NITROSODI-n-PROPYLAMINE	SW8270	10 U		UG/L	10
MW244	MW24	N-NITROSODIPHENYLAMINE	SW8270	10 U		UG/L	10
MW244	MW24	NAPHTHALENE	SW8270	10 U		UG/L	10
MW244	MW24	NITROBENZENE	SW8270	10 U		UG/L	10
MW244	MW24	NITROBENZENE-D5	SW8270	93		UG/L	0
MW244	MW24	PENTACHLOROPHENOL	SW8270	5 U		UG/L	5
MW244	MW24	PHENANTHRENE	SW8270	10 U		UG/L	10
MW244	MW24	PHENOL	SW8270	10 U		UG/L	10
MW244	MW24	PHENOL-D5	SW8270	81		UG/L	0
MW244	MW24	PYRENE	SW8270	10 U		UG/L	10
MW244	MW24	TERPHENYL-D14	SW8270	85		UG/L	0
MW254	MW25	ALUMINIUM	SW6010	64.8 J		UG/L	7.9
MW254	MW25	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW254	MW25	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW254	MW25	BARIUM	SW6010	88.1 J		UG/L	0.46
MW254	MW25	BERYLLIUM	SW6010	0.03 U		UG/L	0.025
MW254	MW25	CADMIUM	SW6010	0.1 U		UG/L	0.1
MW254	MW25	CALCIUM	SW6010	17400 =		UG/L	23.7
MW254	MW25	CHROMIUM, TOTAL	SW6010	1.3 J		UG/L	1
MW254	MW25	COBALT	SW6010	0.5 U		UG/L	0.5
MW254	MW25	COPPER	SW6010	1 U		UG/L	1
MW254	MW25	IRON	SW6010	220 J		UG/L	3.6
MW254	MW25	LEAD	SW6010	1.3 U		UG/L	1.3
MW254	MW25	MAGNESIUM	SW6010	9270 =		UG/L	6.2
MW254	MW25	MANGANESE	SW6010	10.4 J		UG/L	0.53
MW254	MW25	NICKEL	SW6010	0.3 U		UG/L	0.3
MW254	MW25	POTASSIUM	SW6010	1960 J		UG/L	824.5
MW254	MW25	SELENIUM	SW6010	1.5 U		UG/L	1.6
MW254	MW25	SILVER	SW6010	0.5 U		UG/L	0.5
MW254	MW25	SODIUM	SW6010	19600 =		UG/L	114.2
MW254	MW25	THALLIUM	SW6010	1.5 U		UG/L	1.6
MW254	MW25	VANADIUM	SW6010	0.73 J		UG/L	0.31
MW254	MW25	ZINC	SW6010	4.5 J		UG/L	1.1
MW254	MW25	MERCURY	SW7470	0.1 U		UG/L	0.1
MW254	MW25	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW254	MW25	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW254	MW25	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW254	MW25	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW254	MW25	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW254	MW25	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW254	MW25	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW254	MW25	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	104		UG/L	0
MW254	MW25	2-HEXANONE	SW8260	10 U		UG/L	10
MW254	MW25	ACETONE	SW8260	10 U		UG/L	10
MW254	MW25	BENZENE	SW8260	10 U		UG/L	10
MW254	MW25	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW254	MW25	BROMOFORM	SW8260	10 U		UG/L	10
MW254	MW25	BROMOMETHANE	SW8260	10 U		UG/L	10
MW254	MW25	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW254	MW25	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW254	MW25	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW254	MW25	CHLOROETHANE	SW8260	10 U		UG/L	10
MW254	MW25	CHLOROFORM	SW8260	10 U		UG/L	10
MW254	MW25	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW254	MW25	CS-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW254	MW25	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW254	MW25	DIBROMOFLUOROMETHANE	SW8260	97		UG/L	0
MW254	MW25	ETHYLENE	SW8260	10 U		UG/L	10
MW254	MW25	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	4 J		UG/L	10
MW254	MW25	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW254	MW25	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW254	MW25	STYRENE	SW8260	10 U		UG/L	10
MW254	MW25	TETRACHLOROETHYLENE(PCE)	SW8260	6 J		UG/L	10
MW254	MW25	TOLUENE	SW8260	10 U		UG/L	10
MW254	MW25	TOLUENE-D8	SW8260	104		UG/L	0
MW254	MW25	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW254	MW25	Total Xylenes	SW8260	10 U		UG/L	10
MW254	MW25	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW254	MW25	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW254	MW25	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW254	MW25	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW254	MW25	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW254	MW25	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW254	MW25	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW254	MW25	2,2-OXYBIK(1-CHLOROPROPANE	SW8270	50 U		UG/L	50
MW254	MW25	2,4,5-TRICHLOROPHENOL	SW8270	59		UG/L	0
MW254	MW25	2,4,6-TRIBROMOPHENOL	SW8270	10 U		UG/L	10
MW254	MW25	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW254	MW25	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW254	MW25	2,4-DIMETHYLPHENOL	SW8270	50 U		UG/L	50
MW254	MW25	2,4-DINITROPHENOL	SW8270	10 U		UG/L	10
MW254	MW25	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW254	MW25	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW254	MW25	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW254	MW25	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW254	MW25	2-FLUOROBIPHENYL	SW8270	72		UG/L	0
MW254	MW25	2-FLUOROPHENOL	SW8270	61		UG/L	0
MW254	MW25	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW254	MW25	2-METHYLPHENOL (o-CRESOL)	SW8270	10 U		UG/L	10
MW254	MW25	2-NITROANILINE	SW8270	50 U		UG/L	50
MW254	MW25	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW254	MW25	3,3'-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW254	MW25	3-NITROANILINE	SW8270	50 U		UG/L	50
MW254	MW25	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW254	MW25	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW254	MW25	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW254	MW25	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW254	MW25	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW254	MW25	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW254	MW25	4-NITROANILINE	SW8270	50 U		UG/L	50
MW254	MW25	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW254	MW25	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW254	MW25	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW254	MW25	ANTHRACENE	SW8270	10 U		UG/L	10
MW254	MW25	BENZO(a)ANTHRACENE	SW8270	10 U		UG/L	10
MW254	MW25	BENZO(a)PYRENE	SW8270	10 U		UG/L	10
MW254	MW25	BENZO(b)FLUORANTHENE	SW8270	10 U		UG/L	10
MW254	MW25	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW254	MW25	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW254	MW25	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW254	MW25	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW254	MW25	BIS(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW254	MW25	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW254	MW25	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270	8 U		UG/L	10
MW254	MW25	CARBAZOLE	SW8270	10 U		UG/L	10
MW254	MW25	CHRYSENE	SW8270	10 U		UG/L	10
MW254	MW25	DIP-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW254	MW25	DIP-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW254	MW25	DIBENZ(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW254	MW25	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW254	MW25	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW254	MW25	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW254	MW25	FLUORANTHENE	SW8270	10 U		UG/L	10
MW254	MW25	FLUORENE	SW8270	10 U		UG/L	10
MW254	MW25	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW254	MW25	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW254	MW25	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW254	MW25	HEXACHLOROETHANE	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qual/Bar	Units	Deflection Limit
MW254	MW25	INDENOL(1,2,3-c-d)PYRENE	SW8270	10 U		UG/L	10
MW254	MW25	SOPHORONE	SW8270	10 U		UG/L	10
MW254	MW25	N-NITROSODI-N-PROPYLAMINE	SW8270	10 U		UG/L	10
MW254	MW25	N-NITROSODIPHENYLAMINE	SW8270	10 U		UG/L	10
MW254	MW25	NAPHTHALENE	SW8270	10 U		UG/L	10
MW254	MW25	NITROBENZENE	SW8270	10 U		UG/L	10
MW254	MW25	NITROBENZENE-D5	SW8270	74		UG/L	10
MW254	MW25	PENTACHLOROPHENOL	SW8270	5 U		UG/L	5
MW254	MW25	PHENANTHRENE	SW8270	10 U		UG/L	10
MW254	MW25	PHENOL	SW8270	10 U		UG/L	10
MW254	MW25	PHENOL-D5	SW8270	62		UG/L	10
MW254	MW25	PYRENE	SW8270	10 U		UG/L	10
MW254	MW25	TERPHENYL-D14	SW8270	71		UG/L	10
MW264	MW26	ALUMINIUM	SW6010	163 U		UG/L	7.9
MW264	MW26	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW264	MW26	ARSENIC	SW6010	1.5 U		UG/L	1.4
MW264	MW26	BARIUM	SW6010	163 J		UG/L	0.48
MW264	MW26	BERYLLIUM	SW6010	0.06 U		UG/L	0.025
MW264	MW26	CADMIUM	SW6010	0.1 U		UG/L	0.1
MW264	MW26	CALCIUM	SW6010	18600 =		UG/L	23.7
MW264	MW26	CHROMIUM TOTAL	SW6010	2.8 J		UG/L	1
MW264	MW26	COBALT	SW6010	0.5 U		UG/L	0.5
MW264	MW26	COPPER	SW6010	1 U		UG/L	1
MW264	MW26	IRON	SW6010	1180 =		UG/L	3.6
MW264	MW26	LEAD	SW6010	1.3 U		UG/L	1.3
MW264	MW26	MAGNESIUM	SW6010	9330 =		UG/L	6.2
MW264	MW26	MANGANESE	SW6010	18.6 =		UG/L	0.53
MW264	MW26	NICKEL	SW6010	0.3 U		UG/L	0.3
MW264	MW26	POTASSIUM	SW6010	1540 J		UG/L	824.5
MW264	MW26	SELENIUM	SW6010	2 U		UG/L	1.6
MW264	MW26	SILVER	SW6010	0.5 U		UG/L	0.5
MW264	MW26	SODIUM	SW6010	28300 =		UG/L	114.2
MW264	MW26	THALLIUM	SW6010	1.9 U		UG/L	1.6
MW264	MW26	VANADIUM	SW6010	2 J		UG/L	0.31
MW264	MW26	ZINC	SW6010	7.9 U		UG/L	1.1
MW264	MW26	MERCURY	SW7470	0.1 U		UG/L	0.1
MW264	MW26	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW264	MW26	1,1,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW264	MW26	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW264	MW26	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW264	MW26	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW264	MW26	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW264	MW26	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW264	MW26	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	108		UG/L	10
MW264	MW26	2-HEXANONE	SW8260	10 U		UG/L	10
MW264	MW26	ACETONE	SW8260	10 U		UG/L	10
MW264	MW26	BENZENE	SW8260	10 U		UG/L	10
MW264	MW26	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW264	MW26	BROMOFORM	SW8260	10 U		UG/L	10
MW264	MW26	BROMOMETHANE	SW8260	10 U		UG/L	10
MW264	MW26	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW264	MW26	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW264	MW26	CHLOROBENZENE	SW8260	4 J		UG/L	10
MW264	MW26	CHLOROETHANE	SW8260	10 U		UG/L	10
MW264	MW26	CHLOROFORM	SW8260	2 J		UG/L	10
MW264	MW26	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW264	MW26	cis-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW264	MW26	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW264	MW26	DIBROMOFLUOROMETHANE	SW8260	96		UG/L	10
MW264	MW26	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW264	MW26	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW264	MW26	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW264	MW26	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW264	MW26	STYRENE	SW8260	10 U		UG/L	10
MW264	MW26	TETRACHLOROETHYLENE (PCE)	SW8260	14		UG/L	10
MW264	MW26	TOLUENE	SW8260	10 U		UG/L	10
MW264	MW26	TOLUENE-D8	SW8260	105		UG/L	10
MW264	MW26	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW264	MW26	Total Xylenes	SW8260	10 U		UG/L	10
MW264	MW26	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW264	MW26	TRICHLOROETHYLENE (TCE)	SW8260	2 J		UG/L	10
MW264	MW26	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW284	MW28	ALUMINUM	SW6010	131 U		UG/L	7.9
MW284	MW28	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW284	MW28	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW284	MW28	BARIUM	SW6010	41.6 J		UG/L	0.48
MW284	MW28	BERYLLIUM	SW6010	0.02 J		UG/L	0.02
MW284	MW28	CADMIUM	SW6010	0.14 J		UG/L	0.085
MW284	MW28	CALCIUM	SW6010	10400 =		UG/L	23.7
MW284	MW28	CHROMIUM, TOTAL	SW6010	3.8 U		UG/L	1
MW284	MW28	COBALT	SW6010	3.8 U		UG/L	0.5
MW284	MW28	COPPER	SW6010	1.4 U		UG/L	1
MW284	MW28	IRON	SW6010	393 J		UG/L	3.6
MW284	MW28	LEAD	SW6010	1.3 U		UG/L	1.3
MW284	MW28	MAGNESIUM	SW6010	6500 =		UG/L	6.2
MW284	MW28	MANGANESE	SW6010	14.8 J		UG/L	0.53

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW284	MW28	NICKEL	SW6010	1.3 U		UG/L	0.32
MW284	MW28	POTASSIUM	SW6010	824 U		UG/L	824
MW284	MW28	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW284	MW28	SILVER	SW6010	0.5 U		UG/L	0.5
MW284	MW28	SODIUM	SW6010	13400 =		UG/L	114.2
MW284	MW28	THALLIUM	SW6010	2.7 U		UG/L	1.6
MW284	MW28	VANADIUM	SW6010	0.6 U		UG/L	0.31
MW284	MW28	ZINC	SW6010	14.8 U		UG/L	1.1
MW284	MW28	MERCURY	SW7470	0.1 U		UG/L	0.1
MW284	MW28	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW284	MW28	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW284	MW28	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW284	MW28	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW284	MW28	2,2-OXYBIS(1-CHLOROPROPANE)	SW8270	10 U		UG/L	10
MW284	MW28	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW284	MW28	2,4,6-TRIBROMOPHENOL	SW8270	67		UG/L	0
MW284	MW28	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW284	MW28	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW284	MW28	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW284	MW28	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW284	MW28	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW284	MW28	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW284	MW28	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW284	MW28	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW284	MW28	2-FLUOROBIPHENYL	SW8270	50		UG/L	0
MW284	MW28	2-FLUOROPHENOL	SW8270	39		UG/L	0
MW284	MW28	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW284	MW28	2-METHYLPHENOL (O-CRESOL)	SW8270	10 U		UG/L	10
MW284	MW28	2-NITROANILINE	SW8270	50 U		UG/L	50
MW284	MW28	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW284	MW28	3,3'-DICHLOROBENZIDINE	SW8270	10 U		UG/L	10
MW284	MW28	3-NITROANILINE	SW8270	20 U		UG/L	20
MW284	MW28	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW284	MW28	4-BROMOPHENYL PHENYL ETHER	SW8270	50 U		UG/L	50
MW284	MW28	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW284	MW28	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW284	MW28	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW284	MW28	4-METHYLPHENOL (P-CRESOL)	SW8270	10 U		UG/L	10
MW284	MW28	4-NITROANILINE	SW8270	50 U		UG/L	50
MW284	MW28	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW284	MW28	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW284	MW28	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW284	MW28	ANTHRACENE	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	% Value	Project Quantifier	Units	Detection Limit
MW284	MW28	BENZOKJANTHRACENE	SW8270	10 U		UG/L	10
MW284	MW28	BENZOKGPIRENE	SW8270	10 U		UG/L	10
MW284	MW28	BENZODJFLUORANTHENE	SW8270	10 U		UG/L	10
MW284	MW28	BENZOKGMPERYLENE	SW8270	10 U		UG/L	10
MW284	MW28	BENZOKJFLUORANTHENE	SW8270	10 U		UG/L	10
MW284	MW28	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW284	MW28	DI(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW284	MW28	DI(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW284	MW28	DI(2-ETHYLHEXYL) PHTHALATE	SW8270	10 U		UG/L	10
MW284	MW28	CARBAZOLE	SW8270	10 U		UG/L	10
MW284	MW28	CHRYSENE	SW8270	10 U		UG/L	10
MW284	MW28	DI-n-BUTYL PHTHALATE	SW8270	3 J		UG/L	10
MW284	MW28	DI-n-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW284	MW28	DIBENZ(ghi)ANTHRACENE	SW8270	10 U		UG/L	10
MW284	MW28	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW284	MW28	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW284	MW28	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW284	MW28	FLUORANTHENE	SW8270	10 U		UG/L	10
MW284	MW28	FLUORENE	SW8270	10 U		UG/L	10
MW284	MW28	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW284	MW28	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW284	MW28	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW284	MW28	HEXACHLOROFTHANE	SW8270	10 U		UG/L	10
MW284	MW28	INDENOX(1,2,3-c)PYRENE	SW8270	10 U		UG/L	10
MW284	MW28	ISOPHORONE	SW8270	10 U		UG/L	10
MW284	MW28	N-NITROSODI-n-PROPYLAMINE	SW8270	10 U		UG/L	10
MW284	MW28	N-NITROSODIPHENYLAMINE	SW8270	10 U		UG/L	10
MW284	MW28	NAPHTHALENE	SW8270	10 U		UG/L	10
MW284	MW28	NITROBENZENE	SW8270	10 U		UG/L	10
MW284	MW28	NITROBENZENE-DS	SW8270	52		UG/L	0
MW284	MW28	PENTACHLOROPHENOL	SW8270	5 U		UG/L	5
MW284	MW28	PHENANTHRENE	SW8270	10 U		UG/L	10
MW284	MW28	PHENOL	SW8270	10 U		UG/L	10
MW284	MW28	PHENOL-DS	SW8270	31		UG/L	0
MW284	MW28	PYRENE	SW8270	10 U		UG/L	10
MW284	MW28	TERPHENYL-D1,4	SW8270	83		UG/L	0
MW294	MW29	ALUMINIUM	SW6010	306		UG/L	7.9
MW294	MW29	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW294	MW29	ARSENIC	SW6010	2.1 U		UG/L	1.4
MW294	MW29	BARIUM	SW6010	101 J		UG/L	0.48
MW294	MW29	BERYLLIUM	SW6010	0.02 U		UG/L	0.02
MW294	MW29	CADMIUM	SW6010	0.1 U		UG/L	0.1
MW294	MW29	CALCIUM	SW6010	26300		UG/L	23.7

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW294	MW29	CHROMIUM, TOTAL	SW6010	3.7 J		UG/L	1
MW294	MW29	COBALT	SW6010	8.1 J		UG/L	0.5
MW294	MW29	COPPER	SW6010	1 U		UG/L	1
MW294	MW29	IRON	SW6010	590 =		UG/L	3.6
MW294	MW29	LEAD	SW6010	1.3 U		UG/L	1.3
MW294	MW29	MAGNESIUM	SW6010	12600 =		UG/L	6.2
MW294	MW29	MANGANESE	SW6010	2.9 J		UG/L	0.53
MW294	MW29	NICKEL	SW6010	0.45 U		UG/L	0.32
MW294	MW29	POTASSIUM	SW6010	1210 J		UG/L	824.5
MW294	MW29	SELENIUM	SW6010	2.4 U		UG/L	1.6
MW294	MW29	SILVER	SW6010	D.S.U		UG/L	0.5
MW294	MW29	SODIUM	SW6010	29300 =		UG/L	114.2
MW294	MW29	THALLIUM	SW6010	1.6 U		UG/L	1.6
MW294	MW29	VANADIUM	SW6010	1.2 J		UG/L	0.31
MW294	MW29	ZINC	SW6010	4 U		UG/L	1.1
MW294	MW29	MERCURY	SW7470	0.1 U		UG/L	0.1
MW294	MW29	1,1,1-TRICHLOROETHANE	SW8260	5 J		UG/L	10
MW294	MW29	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW294	MW29	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW294	MW29	1,1-DICHLOROETHANE	SW8260	2 J		UG/L	10
MW294	MW29	1,1-DICHLOROETHANE	SW8260	28 =		UG/L	10
MW294	MW29	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW294	MW29	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW294	MW29	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW294	MW29	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	105		UG/L	0
MW294	MW29	2-HEXANONE	SW8260	10 U		UG/L	10
MW294	MW29	ACETONE	SW8260	10 U		UG/L	10
MW294	MW29	BENZENE	SW8260	10 U		UG/L	10
MW294	MW29	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW294	MW29	BROMOFORM	SW8260	10 U		UG/L	10
MW294	MW29	BROMOMETHANE	SW8260	10 U		UG/L	10
MW294	MW29	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW294	MW29	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW294	MW29	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW294	MW29	CHLOROETHANE	SW8260	10 U		UG/L	10
MW294	MW29	CHLOROFORM	SW8260	10 U		UG/L	10
MW294	MW29	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW294	MW29	CH-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW294	MW29	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW294	MW29	DIBROMOFLUOROMETHANE	SW8260	96		UG/L	0
MW294	MW29	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW294	MW29	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW294	MW29	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW294	MW29	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW294	MW29	STYRENE	SWB260	10 U		UG/L	10
MW294	MW29	TETRACHLOROETHYLENE(PCE)	SWB260	37		UG/L	10
MW294	MW29	TOLUENE	SWB260	10 U		UG/L	10
MW294	MW29	TOLUENE-OB	SWB260	105		UG/L	0
MW294	MW29	TOTAL 1,2-DICHLOROETHENE	SWB260	10 U		UG/L	10
MW294	MW29	Total Xylenes	SWB260	10 U		UG/L	10
MW294	MW29	trans-1,3-DICHLOROPROPENE	SWB260	10 U		UG/L	10
MW294	MW29	TRICHLOROETHYLENE (TCE)	SWB260	17		UG/L	10
MW294	MW29	VINYL CHLORIDE	SWB260	10 U		UG/L	10
MW294	MW29	1,2,4-TRICHLOROBENZENE	SWB270	10 U		UG/L	10
MW294	MW29	1,2-DICHLOROBENZENE	SWB270	10 U		UG/L	10
MW294	MW29	1,3-DICHLOROBENZENE	SWB270	10 U		UG/L	10
MW294	MW29	1,4-DICHLOROBENZENE	SWB270	10 U		UG/L	10
MW294	MW29	2,2-OXYBIS(4-CHLOROPROPANE)	SWB270	10 U		UG/L	10
MW294	MW29	2,4,5-TRICHLOROPHENOL	SWB270	50 U		UG/L	50
MW294	MW29	2,4,6-TRIBROMOPHENOL	SWB270	65		UG/L	0
MW294	MW29	2,4,6-TRICHLOROPHENOL	SWB270	10 U		UG/L	10
MW294	MW29	2,4-DICHLOROPHENOL	SWB270	10 U		UG/L	10
MW294	MW29	2,4-DIMETHYLPHENOL	SWB270	10 U		UG/L	10
MW294	MW29	2,4-DINITROPHENOL	SWB270	50 U		UG/L	50
MW294	MW29	2,4-DINITROTOLUENE	SWB270	10 U		UG/L	10
MW294	MW29	2,6-DINITROTOLUENE	SWB270	10 U		UG/L	10
MW294	MW29	2-CHLORONAPHTHALENE	SWB270	10 U		UG/L	10
MW294	MW29	2-CHLOROPHENOL	SWB270	10 U		UG/L	10
MW294	MW29	2-FLUOROBIPHENYL	SWB270	73		UG/L	0
MW294	MW29	2-FLUOROPHENOL	SWB270	63		UG/L	0
MW294	MW29	2-METHYLNAPHTHALENE	SWB270	10 U		UG/L	10
MW294	MW29	2-METHYLPHENOL (o-CRESOL)	SWB270	10 U		UG/L	10
MW294	MW29	2-NITROANILINE	SWB270	50 U		UG/L	50
MW294	MW29	2-NITROPHENOL	SWB270	10 U		UG/L	10
MW294	MW29	3,3-DICHLOROBENZIDINE	SWB270	20 U		UG/L	20
MW294	MW29	3-NITROANILINE	SWB270	50 U		UG/L	50
MW294	MW29	4,6-DINITRO-2-METHYLPHENOL	SWB270	50 U		UG/L	50
MW294	MW29	4-BROMOPHENYL PHENYL ETHER	SWB270	10 U		UG/L	10
MW294	MW29	4-CHLORO-3-METHYLPHENOL	SWB270	10 U		UG/L	10
MW294	MW29	4-CHLOROANILINE	SWB270	10 U		UG/L	10
MW294	MW29	4-CHLOROPHENYL PHENYL ETHER	SWB270	10 U		UG/L	10
MW294	MW29	4-METHYLPHENOL (p-CRESOL)	SWB270	10 U		UG/L	10
MW294	MW29	4-NITROANILINE	SWB270	50 U		UG/L	50
MW294	MW29	4-NITROPHENOL	SWB270	50 U		UG/L	50
MW294	MW29	ACENAPHTHENE	SWB270	10 U		UG/L	10
MW294	MW29	ACENAPHTHYLENE	SWB270	10 U		UG/L	10
MW294	MW29	ANTHRACENE	SWB270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW294	MW29	BENZ(a)ANTHRACENE	SW8270	10 U		UG/L	10
MW294	MW29	BENZ(a)PYRENE	SW8270	10 U		UG/L	10
MW294	MW29	BENZ(b)FLUORANTHENE	SW8270	10 U		UG/L	10
MW294	MW29	BENZ(g,h,i)PERYLENE	SW8270	10 U		UG/L	10
MW294	MW29	BENZ(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW294	MW29	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW294	MW29	BIS(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW294	MW29	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW294	MW29	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270	10 U		UG/L	10
MW294	MW29	CARBAZOLE	SW8270	10 U		UG/L	10
MW294	MW29	CHRYSENE	SW8270	10 U		UG/L	10
MW294	MW29	DI-n-BUTYL PHTHALATE	SW8270	1 U		UG/L	10
MW294	MW29	DI-n-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW294	MW29	DIBENZO(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW294	MW29	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW294	MW29	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW294	MW29	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW294	MW29	FLUORANTHENE	SW8270	10 U		UG/L	10
MW294	MW29	FLUORENE	SW8270	10 U		UG/L	10
MW294	MW29	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW294	MW29	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW294	MW29	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW294	MW29	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW294	MW29	INDENOX(1,2,3-c,d)PYRENE	SW8270	10 U		UG/L	10
MW294	MW29	ISOPHORONE	SW8270	10 U		UG/L	10
MW294	MW29	N-NITROSO-n-PROPYLAMINE	SW8270	10 U		UG/L	10
MW294	MW29	N-NITROSOBIPHENYLAMINE	SW8270	10 U		UG/L	10
MW294	MW29	NAPHTHALENE	SW8270	10 U		UG/L	10
MW294	MW29	NITROBENZENE	SW8270	10 U		UG/L	10
MW294	MW29	NITROBENZENE-D5	SW8270	80		UG/L	0
MW294	MW29	PENTACHLOROPHENOL	SW8270	5 U		UG/L	5
MW294	MW29	PHENANTHRENE	SW8270	10 U		UG/L	10
MW294	MW29	PHENOL	SW8270	10 U		UG/L	10
MW294	MW29	PHENOL-D5	SW8270	72		UG/L	0
MW294	MW29	PYRENE	SW8270	10 U		UG/L	10
MW294	MW29	TERPHENYL-D14	SW8270	72		UG/L	0
MW304	MW30	NITROGEN AMMONIA (AS N)	E350.2	0.2 U		MG/L	0.2
MW304	MW30	NITROGEN NITRATE-NITRITE	E353.2	2.15 =		MG/L	0.1
MW304	MW30	TOTAL ORGANIC CARBON	E415.2	1 U		MG/L	1
MW304	MW30	ETHANE	SW3810	0.66 U		UG/L	0.66
MW304	MW30	ETHENE	SW3810	0.7 U		UG/L	0.7
MW304	MW30	METHANE	SW3810	0.35 U		UG/L	0.35
MW304	MW30	ALUMINIUM	SW6010	93.2 U		UG/L	7.9

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW304	MW30	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW304	MW30	ARSENIC	SW6010	2.9 U		UG/L	1.4
MW304	MW30	BARIUM	SW6010	126 J		UG/L	0.46
MW304	MW30	BERYLLIUM	SW6010	0.00 J		UG/L	0.025
MW304	MW30	CADMIUM	SW6010	0.12 J		UG/L	0.085
MW304	MW30	CALCIUM	SW6010	24600 =		UG/L	23.7
MW304	MW30	CHROMIUM, TOTAL	SW6010	5.2 U		UG/L	1
MW304	MW30	COBALT	SW6010	7.9 U		UG/L	0.5
MW304	MW30	COPPER	SW6010	3.1 U		UG/L	1
MW304	MW30	IRON	SW6010	267 J		UG/L	3.6
MW304	MW30	LEAD	SW6010	1.3 U		UG/L	1.3
MW304	MW30	MAGNESIUM	SW6010	13600 =		UG/L	6.2
MW304	MW30	MANGANESE	SW6010	0.99 J		UG/L	0.53
MW304	MW30	NICKEL	SW6010	1.6 U		UG/L	0.32
MW304	MW30	POTASSIUM	SW6010	1210 J		UG/L	824.5
MW304	MW30	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW304	MW30	SILVER	SW6010	0.5 U		UG/L	0.5
MW304	MW30	SODIUM	SW6010	21000 =		UG/L	114.2
MW304	MW30	THALLIUM	SW6010	2.1 U		UG/L	1.6
MW304	MW30	VANADIUM	SW6010	0.82 J		UG/L	0.31
MW304	MW30	ZINC	SW6010	21.5 U		UG/L	1.1
MW304	MW30	MERCURY	SW7470	0.1 U		UG/L	0.1
MW304	MW30	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW304	MW30	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW304	MW30	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW304	MW30	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW304	MW30	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW304	MW30	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW304	MW30	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW304	MW30	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	98		UG/L	0
MW304	MW30	2-HEXANONE	SW8260	10 U		UG/L	10
MW304	MW30	ACETONE	SW8260	10 U		UG/L	10
MW304	MW30	BENZENE	SW8260	10 U		UG/L	10
MW304	MW30	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW304	MW30	BROMOFORM	SW8260	10 U		UG/L	10
MW304	MW30	BROMOMETHANE	SW8260	10 U		UG/L	10
MW304	MW30	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW304	MW30	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW304	MW30	CHLOROETHANE	SW8260	10 U		UG/L	10
MW304	MW30	CHLOROETHANE	SW8260	10 U		UG/L	10
MW304	MW30	CHLOROFORM	SW8260	10 U		UG/L	10
MW304	MW30	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW304	MW30	cis-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quantifier	Units	Detection Limit
MW304	MW30	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW304	MW30	DIBROMOFLOROMETHANE	SW8260	10 U		UG/L	0
MW304	MW30	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW304	MW30	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW304	MW30	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW304	MW30	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW304	MW30	STYRENE	SW8260	10 U		UG/L	10
MW304	MW30	TETRACHLOROETHYLENE(PCE)	SW8260	10 U		UG/L	10
MW304	MW30	TOLUENE	SW8260	10 U		UG/L	10
MW304	MW30	TOLUENE-D8	SW8260	10 U		UG/L	0
MW304	MW30	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW304	MW30	Total Xylenes	SW8260	10 U		UG/L	10
MW304	MW30	Trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW304	MW30	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW304	MW30	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW304	MW30	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW304	MW30	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW304	MW30	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW304	MW30	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW304	MW30	2,2-OXYBIS(1-CHLOROPROPANE)	SW8270	10 U		UG/L	10
MW304	MW30	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW304	MW30	2,4,6-TRIBROMOPHENOL	SW8270	65		UG/L	0
MW304	MW30	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW304	MW30	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW304	MW30	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW304	MW30	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW304	MW30	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW304	MW30	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW304	MW30	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW304	MW30	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW304	MW30	2-FLUOROPHENYL	SW8270	50		UG/L	0
MW304	MW30	2-FLUOROPHENOL	SW8270	45		UG/L	0
MW304	MW30	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW304	MW30	2-METHYLPHENOL (O-CRESOL)	SW8270	10 U		UG/L	10
MW304	MW30	2-NITROANILINE	SW8270	50 U		UG/L	50
MW304	MW30	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW304	MW30	2-NITROPHENOL	SW8270	20 U		UG/L	20
MW304	MW30	3,3'-DICHLOROBENZIDINE	SW8270	50 U		UG/L	50
MW304	MW30	3-NITROANILINE	SW8270	50 U		UG/L	50
MW304	MW30	4,6-DINITRO-2-METHYLPHENOL	SW8270	10 U		UG/L	10
MW304	MW30	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW304	MW30	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW304	MW30	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW304	MW30	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quantity	Units	Detection Limit
MW304	MW30	4-METHYLPHENOL (p-CRESOL)	SWB270	10 U		UG/L	10
MW304	MW30	4-NITROANILINE	SWB270	50 U		UG/L	50
MW304	MW30	4-NITROPHENOL	SWB270	50 U		UG/L	50
MW304	MW30	ACENAPHTHENE	SWB270	10 U		UG/L	10
MW304	MW30	ACENAPHTHYLENE	SWB270	10 U		UG/L	10
MW304	MW30	ANTHRACENE	SWB270	10 U		UG/L	10
MW304	MW30	BENZO(a)ANTHRACENE	SWB270	10 U		UG/L	10
MW304	MW30	BENZO(a)PYRENE	SWB270	10 U		UG/L	10
MW304	MW30	BENZO(b)FLUORANTHENE	SWB270	10 U		UG/L	10
MW304	MW30	BENZO(g,h,i)PERYLENE	SWB270	10 U		UG/L	10
MW304	MW30	BENZO(k)FLUORANTHENE	SWB270	10 U		UG/L	10
MW304	MW30	BENZYL BUTYL PHTHALATE	SWB270	10 U		UG/L	10
MW304	MW30	1,2-DICHLOROETHOXY METHANE	SWB270	10 U		UG/L	10
MW304	MW30	1,2-DICHLOROETHYL ETHER (2-CHLOROETHYL ETHER)	SWB270	10 U		UG/L	10
MW304	MW30	1,2-DIETHYLEXYL PHTHALATE	SWB270	10 U		UG/L	10
MW304	MW30	CARBAZOLE	SWB270	10 U		UG/L	10
MW304	MW30	CHRYSENE	SWB270	10 U		UG/L	10
MW304	MW30	DI-n-BUTYL PHTHALATE	SWB270	4 J		UG/L	10
MW304	MW30	DI-n-OCTYL PHTHALATE	SWB270	10 U		UG/L	10
MW304	MW30	DIBENZ(a,h)ANTHRACENE	SWB270	10 U		UG/L	10
MW304	MW30	DIBENZOFURAN	SWB270	10 U		UG/L	10
MW304	MW30	DIETHYL PHTHALATE	SWB270	10 U		UG/L	10
MW304	MW30	DIMETHYL PHTHALATE	SWB270	10 U		UG/L	10
MW304	MW30	FLUORANTHENE	SWB270	10 U		UG/L	10
MW304	MW30	FLUORENE	SWB270	10 U		UG/L	10
MW304	MW30	HEXACHLOROBENZENE	SWB270	10 U		UG/L	10
MW304	MW30	HEXACHLOROBUTADIENE	SWB270	10 U		UG/L	10
MW304	MW30	HEXACHLOROCYCLOPENTADIENE	SWB270	10 U		UG/L	10
MW304	MW30	HEXACHLOROETHANE	SWB270	10 U		UG/L	10
MW304	MW30	INDENOX(1,2,3-c-d)PYRENE	SWB270	10 U		UG/L	10
MW304	MW30	ISOPHTHENE	SWB270	10 U		UG/L	10
MW304	MW30	N-NITROSO-n-PROPYLAMINE	SWB270	10 U		UG/L	10
MW304	MW30	N-NITROSOBIPHENYLAMINE	SWB270	10 U		UG/L	10
MW304	MW30	NAPHTHALENE	SWB270	10 U		UG/L	10
MW304	MW30	NITROBENZENE	SWB270	64		UG/L	0
MW304	MW30	NITROBENZENE-DS	SWB270	5 U		UG/L	5
MW304	MW30	PENTACHLOROPHENOL	SWB270	10 U		UG/L	10
MW304	MW30	PHENANTHRENE	SWB270	10 U		UG/L	10
MW304	MW30	PHENOL	SWB270	37		UG/L	10
MW304	MW30	PHENOL-DS	SWB270	10 U		UG/L	0
MW304	MW30	PYRENE	SWB270	10 U		UG/L	10
MW304	MW30	TERPHTHYLEN-D14	SWB270	63		UG/L	0
MW304	MW30	CHLORIDE (AS CL)	SW9056	31.3 =		MG/L	0.1

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW304	MW30	SULFATE (AS SO4)	SW90056	26.4		MG/L	0.1
MW314	MW31	NITROGEN AMMONIA (AS N)	E350.2	0.2 U		MG/L	0.2
MW314	MW31	NITROGEN NITRATE-NITRITE	E353.2	2.81		MG/L	0.1
MW314	MW31	TOTAL ORGANIC CARBON	E415.2	1 U		MG/L	1
MW314	MW31	ETHANE	SW3810	1.02 U		UG/L	1.02
MW314	MW31	METHANE	SW3810	1.04 U		UG/L	1.04
MW314	MW31	ETHYLENE	SW3810	0.54 U		UG/L	0.54
MW314	MW31	ALLUMINIUM	SW6010	18.8 U		UG/L	7.9
MW314	MW31	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW314	MW31	ARSENIC	SW6010	2 U		UG/L	1.4
MW314	MW31	BARIUM	SW6010	119 J		UG/L	0.48
MW314	MW31	BERYLLIUM	SW6010	0.04 J		UG/L	0.005
MW314	MW31	CADMIUM	SW6010	0.1 U		UG/L	0.1
MW314	MW31	CALCIUM	SW6010	24300		UG/L	23.7
MW314	MW31	CHROMIUM TOTAL	SW6010	3.6 U		UG/L	1
MW314	MW31	COBALT	SW6010	1.2 U		UG/L	0.5
MW314	MW31	COPPER	SW6010	1.9 U		UG/L	1
MW314	MW31	IRON	SW6010	204 J		UG/L	3.6
MW314	MW31	LEAD	SW6010	1.3 U		UG/L	1.3
MW314	MW31	MAGNESIUM	SW6010	12900		UG/L	6.2
MW314	MW31	MANGANESE	SW6010	1.2 J		UG/L	0.53
MW314	MW31	NICKEL	SW6010	0.84 U		UG/L	0.32
MW314	MW31	POTASSIUM	SW6010	1080 J		UG/L	824.5
MW314	MW31	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW314	MW31	SILVER	SW6010	0.5 U		UG/L	0.5
MW314	MW31	SODIUM	SW6010	24700		UG/L	114.2
MW314	MW31	THALLIUM	SW6010	3.8 U		UG/L	1.6
MW314	MW31	VANADIUM	SW6010	0.42 J		UG/L	0.31
MW314	MW31	ZINC	SW6010	19 U		UG/L	1.1
MW314	MW31	MERCURY	SW7470	0.1 U		UG/L	0.1
MW314	MW31	1,1,1-TRICHLOROETHANE	SW8260	25 U		UG/L	25
MW314	MW31	1,1,2-TETRACHLOROETHANE	SW8260	97		UG/L	25
MW314	MW31	1,1,2-TRICHLOROETHANE	SW8260	4 J		UG/L	25
MW314	MW31	1,1-DICHLOROETHANE	SW8260	25 U		UG/L	25
MW314	MW31	1,2-DICHLOROETHANE	SW8260	26		UG/L	25
MW314	MW31	1,2-DICHLOROETHANE	SW8260	25 U		UG/L	25
MW314	MW31	1,2-DICHLOROETHANE	SW8260	25 U		UG/L	25
MW314	MW31	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	99		UG/L	10
MW314	MW31	2-HEXANONE	SW8260	25 U		UG/L	25
MW314	MW31	ACETONE	SW8260	25 U		UG/L	25
MW314	MW31	BENZENE	SW8260	25 U		UG/L	25
MW314	MW31	BROMODICHLOROMETHANE	SW8260	25 U		UG/L	25
MW314	MW31	BROMOFORM	SW8260	25 U		UG/L	25

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Protect Qualifier	Units	Detection Limit
MW314	MW31	BROMOMETHANE	SW8260	25 U		UG/L	25
MW314	MW31	CARBON DISULFIDE	SW8260	25 U		UG/L	25
MW314	MW31	CARBON TETRACHLORIDE	SW8260	3 J		UG/L	25
MW314	MW31	CHLOROBENZENE	SW8260	25 U		UG/L	25
MW314	MW31	CHLOROETHANE	SW8260	25 U		UG/L	25
MW314	MW31	CHLOROFORM	SW8260	21 J		UG/L	25
MW314	MW31	CHLOROMETHANE	SW8260	25 U		UG/L	25
MW314	MW31	cis-1,3-DICHLOROPROPENE	SW8260	25 U		UG/L	25
MW314	MW31	DIBROMOCHLOROMETHANE	SW8260	25 U		UG/L	25
MW314	MW31	DIBROMOFUOROMETHANE	SW8260	10 I		UG/L	0
MW314	MW31	ETHYLBENZENE	SW8260	25 U		UG/L	25
MW314	MW31	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	25 U		UG/L	25
MW314	MW31	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	25 U		UG/L	25
MW314	MW31	METHYLENE CHLORIDE	SW8260	25 U		UG/L	25
MW314	MW31	STYRENE	SW8260	25 U		UG/L	25
MW314	MW31	TETRACHLOROETHYLENE (PCE)	SW8260	66 =		UG/L	25
MW314	MW31	TOLUENE	SW8260	25 U		UG/L	25
MW314	MW31	TOLUENE-O8	SW8260	25 U		UG/L	25
MW314	MW31	TOTAL 1,2-DICHLOROETHENE	SW8260	103		UG/L	0
MW314	MW31	Total Xylenes	SW8260	280 =		UG/L	25
MW314	MW31	trans-1,3-DICHLOROPROPENE	SW8260	25 U		UG/L	25
MW314	MW31	TRICHLOROETHYLENE (TCE)	SW8260	400 =		UG/L	25
MW314	MW31	VINYL CHLORIDE	SW8260	25 U		UG/L	25
MW314	MW31	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW314	MW31	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW314	MW31	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW314	MW31	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW314	MW31	2,2-OXYBIS(1-CHLORO)PROPANE	SW8270	10 U		UG/L	10
MW314	MW31	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW314	MW31	2,4,6-TRIBROMOPHENOL	SW8270	61		UG/L	0
MW314	MW31	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW314	MW31	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW314	MW31	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW314	MW31	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW314	MW31	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW314	MW31	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW314	MW31	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW314	MW31	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW314	MW31	2-FLUOROBIPHENYL	SW8270	50		UG/L	0
MW314	MW31	2-FLUOROPHENOL	SW8270	42		UG/L	0
MW314	MW31	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW314	MW31	2-METHYLPHENOL (o-CRESOL)	SW8270	10 U		UG/L	10
MW314	MW31	2-NITROANILINE	SW8270	50 U		UG/L	50

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quarter	Units	Detection Limit
MW314	MW31	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW314	MW31	3,3-DICHLOROBENZENE	SW8270	20 U		UG/L	20
MW314	MW31	3-NITROANILINE	SW8270	50 U		UG/L	50
MW314	MW31	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW314	MW31	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW314	MW31	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW314	MW31	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW314	MW31	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW314	MW31	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW314	MW31	4-NITROANILINE	SW8270	50 U		UG/L	50
MW314	MW31	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW314	MW31	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW314	MW31	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW314	MW31	ANTHRACENE	SW8270	10 U		UG/L	10
MW314	MW31	BENZO(a)ANTHRACENE	SW8270	10 U		UG/L	10
MW314	MW31	BENZO(b)PYRENE	SW8270	10 U		UG/L	10
MW314	MW31	BENZO(f)FLUORANTHENE	SW8270	10 U		UG/L	10
MW314	MW31	BENZO(g,h,i)PERYLENE	SW8270	10 U		UG/L	10
MW314	MW31	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW314	MW31	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW314	MW31	Di(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW314	MW31	Di(2-CHLOROETHYL) ETHER (2-C-HLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW314	MW31	Di(2-ETHYLHEXYL) PHTHALATE	SW8270	10 U		UG/L	10
MW314	MW31	CARBAZOLE	SW8270	10 U		UG/L	10
MW314	MW31	CHRYSENE	SW8270	10 U		UG/L	10
MW314	MW31	Di-n-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW314	MW31	Di-n-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW314	MW31	DIBENZ(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW314	MW31	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW314	MW31	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW314	MW31	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW314	MW31	FLUORANTHENE	SW8270	10 U		UG/L	10
MW314	MW31	FLUORENE	SW8270	10 U		UG/L	10
MW314	MW31	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW314	MW31	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW314	MW31	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW314	MW31	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW314	MW31	INDENOL(1,2,3-c,d)PYRENE	SW8270	10 U		UG/L	10
MW314	MW31	IOPHORONE	SW8270	10 U		UG/L	10
MW314	MW31	N-NITROSO-DI-n-PROPYLAMINE	SW8270	10 U		UG/L	10
MW314	MW31	N-NITROSOBIPHENYLAMINE	SW8270	10 U		UG/L	10
MW314	MW31	NAPHTHALENE	SW8270	10 U		UG/L	10
MW314	MW31	NITROBENZENE	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW314	MW31	NITROBENZENE DS	SW8270	56		UG/L	0
MW314	MW31	PENTACHLOROPHENOL	SW8270	5U		UG/L	5
MW314	MW31	PHENANTHRENE	SW8270	10U		UG/L	10
MW314	MW31	PHENOL	SW8270	10U		UG/L	10
MW314	MW31	PHENOL-O5	SW8270	33		UG/L	0
MW314	MW31	PYRENE	SW8270	10U		UG/L	10
MW314	MW31	TERPHENYL-D14	SW8270	72		UG/L	0
MW314	MW31	CHLORIDE (AS CL)	SW9056	17.7		MG/L	0.1
MW314	MW31	SULFATE (AS SO4)	SW9056	51.4		MG/L	0.2
MW324	MW32	HARDNESS (AS CaCO3)	E130.2	200		MG/L	25
MW324	MW32	TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	E150.1	504		MG/L	10
MW324	MW32	BICARBONATE	E110.1	36		MG/L	3
MW324	MW32	NITROGEN, AMMONIA (AS N)	E350.2	0.2U		MG/L	0.2
MW324	MW32	NITROGEN, NITRATE-NITRITE	E353.2	4.04		MG/L	0.5
MW324	MW32	TOTAL ORGANIC CARBON	E415.2	1U		MG/L	1
MW324	MW32	ETHANE	SW3810	0.61U		UG/L	0.61
MW324	MW32	ETHENE	SW3810	0.65U		UG/L	0.65
MW324	MW32	METHANE	SW3810	0.32U		UG/L	0.32
MW324	MW32	ALUMINIUM	SW6010	35.4U		UG/L	7.9
MW324	MW32	ANTIMONY	SW6010	1.8J		UG/L	1.7
MW324	MW32	ARSENIC	SW6010	1.5U		UG/L	1.4
MW324	MW32	BARIUM	SW6010	157J		UG/L	0.45
MW324	MW32	BERYLLIUM	SW6010	0.02U		UG/L	0.02
MW324	MW32	CADMIUM	SW6010	0.2J		UG/L	0.085
MW324	MW32	CALCIUM	SW6010	76500		UG/L	23.7
MW324	MW32	CHROMIUM, TOTAL	SW6010	2.6U		UG/L	1
MW324	MW32	COBALT	SW6010	4.4U		UG/L	0.5
MW324	MW32	COPPER	SW6010	29U		UG/L	1
MW324	MW32	IRON	SW6010	90.6U		UG/L	3.0
MW324	MW32	LEAD	SW6010	1.3U		UG/L	1.3
MW324	MW32	MAGNESIUM	SW6010	18200		UG/L	6.2
MW324	MW32	MANGANESE	SW6010	1860		UG/L	0.53
MW324	MW32	NICKEL	SW6010	1.7U		UG/L	0.32
MW324	MW32	POTASSIUM	SW6010	1340J		UG/L	824.5
MW324	MW32	SELENIUM	SW6010	1.6U		UG/L	1.6
MW324	MW32	SILVER	SW6010	0.5U		UG/L	0.5
MW324	MW32	SODIUM	SW6010	23300		UG/L	114.2
MW324	MW32	THALLIUM	SW6010	3.7U		UG/L	1.6
MW324	MW32	VANADIUM	SW6010	0.3U		UG/L	0.3
MW324	MW32	ZINC	SW6010	9.4U		UG/L	1.1
MW324	MW32	MERCURY	SW7470	0.21		UG/L	0.1
MW324	MW32	1,1,1-TRICHLOROETHANE	SW8260	10U		UG/L	10
MW324	MW32	1,1,2,2-TETRACHLOROETHANE	SW8260	140		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW324	MW32	1,1,2-TRICHLOROETHANE	SW8260	6 J		UG/L	10
MW324	MW32	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW324	MW32	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW324	MW32	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW324	MW32	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW324	MW32	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	97		UG/L	0
MW324	MW32	2-HEXANONE	SW8260	10 U		UG/L	10
MW324	MW32	ACETONE	SW8260	10 U		UG/L	10
MW324	MW32	BENZENE	SW8260	10 U		UG/L	10
MW324	MW32	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW324	MW32	BROMOFORM	SW8260	10 U		UG/L	10
MW324	MW32	BROMOMETHANE	SW8260	10 U		UG/L	10
MW324	MW32	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW324	MW32	CARBON TETRACHLORIDE	SW8260	20 =		UG/L	10
MW324	MW32	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW324	MW32	CHLOROETHANE	SW8260	10 U		UG/L	10
MW324	MW32	CHLOROFORM	SW8260	7 J		UG/L	10
MW324	MW32	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW324	MW32	CB-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW324	MW32	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW324	MW32	DIBROMOFLUOROMETHANE	SW8260	10 J		UG/L	0
MW324	MW32	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW324	MW32	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW324	MW32	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW324	MW32	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW324	MW32	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW324	MW32	STYRENE	SW8260	10 U		UG/L	10
MW324	MW32	TETRACHLOROETHYLENE (PCE)	SW8260	1 J		UG/L	10
MW324	MW32	TOLUENE	SW8260	10 U		UG/L	10
MW324	MW32	TOLUENE-D8	SW8260	102		UG/L	0
MW324	MW32	TOTAL 1,2-DICHLOROETHENE	SW8260	140 =		UG/L	10
MW324	MW32	Total Xylenes	SW8260	10 U		UG/L	10
MW324	MW32	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW324	MW32	TRICHLOROETHYLENE (TCE)	SW8260	100 =		UG/L	10
MW324	MW32	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW324	MW32	CHLORIDE (AS CL)	SW9066	199 =		MG/L	1
MW324	MW32	FLUORIDE	SW9066	0.08 =		MG/L	0.05
MW324	MW32	NITROGEN NITRATE (AS N)	SW9066	4.05 =		MG/L	0.05
MW324	MW32	SULFATE (AS SO4)	SW9066	12.4 =		MG/L	0.1
MW334	MW33	ETHANE	SW3810	0.71 U		UG/L	0.71
MW334	MW33	ETHENE	SW3810	0.75 U		UG/L	0.75
MW334	MW33	METHANE	SW3810	0.37 U		UG/L	0.37
MW334	MW33	ALUMINIUM	SW6010	360 =		UG/L	7.9
MW334	MW33	ANTIMONY	SW6010	1.7 U		UG/L	1.7

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW334	MW33	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW334	MW33	BARIUM	SW6010	45.6 J		UG/L	0.48
MW334	MW33	BERYLLIUM	SW6010	0.09 U		UG/L	0.075
MW334	MW33	CADMIUM	SW6010	0.1 U		UG/L	0.1
MW334	MW33	CALCIUM	SW6010	7800 =		UG/L	23.7
MW334	MW33	CHROMIUM, TOTAL	SW6010	4 J		UG/L	1
MW334	MW33	COBALT	SW6010	1.9 J		UG/L	0.5
MW334	MW33	COPPER	SW6010	7.4 J		UG/L	1
MW334	MW33	IRON	SW6010	1640 J		UG/L	3.6
MW334	MW33	LEAD	SW6010	1.3 U		UG/L	1.3
MW334	MW33	MAGNESIUM	SW6010	3880 J		UG/L	6.2
MW334	MW33	MANGANESE	SW6010	16.5 =		UG/L	0.53
MW334	MW33	NICKEL	SW6010	0.3 U		UG/L	0.3
MW334	MW33	POTASSIUM	SW6010	824 U		UG/L	824
MW334	MW33	SELENIUM	SW6010	2.4 J		UG/L	1.6
MW334	MW33	SILVER	SW6010	0.5 U		UG/L	0.5
MW334	MW33	SODIUM	SW6010	17100 =		UG/L	114.2
MW334	MW33	THALLIUM	SW6010	1.6 U		UG/L	1.6
MW334	MW33	VANADIUM	SW6010	1.7 J		UG/L	0.31
MW334	MW33	ZINC	SW6010	14 J		UG/L	1.1
MW334	MW33	MERCURY	SW7470	0.1 U		UG/L	0.1
MW334	MW33	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW334	MW33	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW334	MW33	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW334	MW33	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW334	MW33	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW334	MW33	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW334	MW33	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW334	MW33	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	103		UG/L	0
MW334	MW33	2-HEXANONE	SW8260	10 U		UG/L	10
MW334	MW33	ACETONE	SW8260	10 U		UG/L	10
MW334	MW33	BENZENE	SW8260	10 U		UG/L	10
MW334	MW33	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW334	MW33	BROMOFORM	SW8260	10 U		UG/L	10
MW334	MW33	BROMOMETHANE	SW8260	10 U		UG/L	10
MW334	MW33	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW334	MW33	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW334	MW33	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW334	MW33	CHLOROETHANE	SW8260	10 U		UG/L	10
MW334	MW33	CHLOROFORM	SW8260	10 U		UG/L	10
MW334	MW33	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW334	MW33	cis-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW334	MW33	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW334	MW33	DIBROMOFLUOROMETHANE	SW8260	102		UG/L	0
MW334	MW33	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW334	MW33	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW334	MW33	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW334	MW33	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW334	MW33	STYRENE	SW8260	10 U		UG/L	10
MW334	MW33	TETRACHLOROETHYLENE (PCE)	SW8260	10 U		UG/L	10
MW334	MW33	TOLUENE	SW8260	10 U		UG/L	10
MW334	MW33	TOLUENE-DB	SW8260	10 U		UG/L	10
MW334	MW33	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW334	MW33	Total Xylenes	SW8260	10 U		UG/L	10
MW334	MW33	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW334	MW33	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW334	MW33	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW344	MW34	NITROGEN, AMMONIA (AS N)	E350.2	0.2 U		MG/L	0.2
MW344	MW34	NITROGEN, NITRATE-NITRITE	E353.2	4.79		MG/L	0.75
MW344	MW34	TOTAL ORGANIC CARBON	E415.2	1 U		MG/L	1
MW344	MW34	ALUMINUM	SW6010	24.1 J		UG/L	7.9
MW344	MW34	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW344	MW34	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW344	MW34	BARIUM	SW6010	115 J		UG/L	0.48
MW344	MW34	BERYLLIUM	SW6010	0.11 U		UG/L	0.025
MW344	MW34	CADMIUM	SW6010	0.1 U		UG/L	0.1
MW344	MW34	CALCIUM	SW6010	11400		UG/L	23.7
MW344	MW34	CHROMIUM, TOTAL	SW6010	3.2 U		UG/L	1
MW344	MW34	COBALT	SW6010	5.3 U		UG/L	0.5
MW344	MW34	COPPER	SW6010	2.3 U		UG/L	1
MW344	MW34	IRON	SW6010	80.8 U		UG/L	3.6
MW344	MW34	LEAD	SW6010	1.3 U		UG/L	1.3
MW344	MW34	MAGNESIUM	SW6010	5590		UG/L	6.2
MW344	MW34	MANGANESE	SW6010	0.92 J		UG/L	0.53
MW344	MW34	NICKEL	SW6010	0.71 U		UG/L	0.32
MW344	MW34	POTASSIUM	SW6010	824 U		UG/L	824
MW344	MW34	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW344	MW34	SILVER	SW6010	0.5 U		UG/L	0.5
MW344	MW34	SODIUM	SW6010	9630		UG/L	114.2
MW344	MW34	THALLIUM	SW6010	2.5 U		UG/L	1.6
MW344	MW34	VANADIUM	SW6010	0.47 J		UG/L	0.31
MW344	MW34	ZINC	SW6010	8.7 U		UG/L	1.1
MW344	MW34	MERCURY	SW7470	0.1 U		UG/L	0.1
MW344	MW34	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW344	MW34	1,1,2-TETRACHLOROETHANE	SW8260	2 J		UG/L	10
MW344	MW34	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Protect Quantifier	Units	Detection Limit
MW344	MW34	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW344	MW34	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW344	MW34	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW344	MW34	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW344	MW34	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	102		UG/L	0
MW344	MW34	2-HEXANONE	SW8260	10 U		UG/L	10
MW344	MW34	ACETONE	SW8260	10 U		UG/L	10
MW344	MW34	BENZENE	SW8260	10 U		UG/L	10
MW344	MW34	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW344	MW34	BROMOFORM	SW8260	10 U		UG/L	10
MW344	MW34	BROMOMETHANE	SW8260	10 U		UG/L	10
MW344	MW34	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW344	MW34	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW344	MW34	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW344	MW34	CHLOROETHANE	SW8260	10 U		UG/L	10
MW344	MW34	CHLOROFORM	SW8260	10 U		UG/L	10
MW344	MW34	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW344	MW34	cis-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW344	MW34	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW344	MW34	DIBROMOFLUOROMETHANE	SW8260	106		UG/L	0
MW344	MW34	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW344	MW34	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW344	MW34	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW344	MW34	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW344	MW34	STYRENE	SW8260	10 U		UG/L	10
MW344	MW34	TETRACHLOROETHYLENE(PCE)	SW8260	10 U		UG/L	10
MW344	MW34	TOLUENE	SW8260	10 U		UG/L	10
MW344	MW34	TOLUENE-06	SW8260	107		UG/L	0
MW344	MW34	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW344	MW34	Total Xylenes	SW8260	10 U		UG/L	10
MW344	MW34	TRANS-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW344	MW34	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW344	MW34	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW344	MW34	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW344	MW34	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW344	MW34	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW344	MW34	2,2-OXYBIS(1-CHLOROPROPANE)	SW8270	10 U		UG/L	10
MW344	MW34	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW344	MW34	2,4,6-TRIBROMOPHENOL	SW8270	62		UG/L	0
MW344	MW34	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW344	MW34	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW344	MW34	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10



DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Protect Quality	Units	Detection Limit
MW344	MW34	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW344	MW34	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW344	MW34	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW344	MW34	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW344	MW34	INDENO(1,2,3-c)PYRENE	SW8270	10 U		UG/L	10
MW344	MW34	ISOPHORONE	SW8270	10 U		UG/L	10
MW344	MW34	N-NITROSODI-N-PROPYLAMINE	SW8270	10 U		UG/L	10
MW344	MW34	N-NITROSODIPHENYLAMINE	SW8270	10 U		UG/L	10
MW344	MW34	NAPHTHALENE	SW8270	10 U		UG/L	10
MW344	MW34	NITROBENZENE	SW8270	72		UG/L	0
MW344	MW34	NITROBENZENE-D5	SW8270	5 U		UG/L	5
MW344	MW34	PENTACHLOROPHENOL	SW8270	10 U		UG/L	10
MW344	MW34	PHENANTHRENE	SW8270	10 U		UG/L	10
MW344	MW34	PHENOL	SW8270	66		UG/L	0
MW344	MW34	PHENOL-D5	SW8270	10 U		UG/L	10
MW344	MW34	PYRENE	SW8270	74		UG/L	0
MW344	MW34	TERPHENYL-D14	SW9056	11.4		MG/L	0.1
MW344	MW34	CHLORIDE (AS CL)	SW9056	12.6		MG/L	0.1
MW344D	MW34	SULFATE (AS SO4)	SW8260	10 U		UG/L	10
MW344D	MW34	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW344D	MW34	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW344D	MW34	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW344D	MW34	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW344D	MW34	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW344D	MW34	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW344D	MW34	1,2-DICHLOROPROPANE	SW8260	103		UG/L	0
MW344D	MW34	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	10 U		UG/L	10
MW344D	MW34	2-HEXANONE	SW8260	10 U		UG/L	10
MW344D	MW34	ACETONE	SW8260	10 U		UG/L	10
MW344D	MW34	BENZENE	SW8260	10 U		UG/L	10
MW344D	MW34	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW344D	MW34	BROMOFORM	SW8260	10 U		UG/L	10
MW344D	MW34	BROMOMETHANE	SW8260	10 U		UG/L	10
MW344D	MW34	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW344D	MW34	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW344D	MW34	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW344D	MW34	CHLOROETHANE	SW8260	10 U		UG/L	10
MW344D	MW34	CHLOROFORM	SW8260	10 U		UG/L	10
MW344D	MW34	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW344D	MW34	C8-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW344D	MW34	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW344D	MW34	DIBROMOFUOROMETHANE	SW8260	107		UG/L	0
MW344D	MW34	ETHYLBENZENE	SW8260	10 U		UG/L	10

291 254

B-81

DDMT March 1998  
4th Quarter Groundwater Analytical Results

291 255

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quantifier	Units	Detection Limit
MW344D	MW34	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW344D	MW34	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW344D	MW34	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW344D	MW34	STYRENE	SW8260	10 U		UG/L	10
MW344D	MW34	TETRACHLOROETHYLENE (PCE)	SW8260	10 U		UG/L	10
MW344D	MW34	TOLUENE	SW8260	10 U		UG/L	10
MW344D	MW34	TOLUENE-O8	SW8260	10 U		UG/L	10
MW344D	MW34	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW344D	MW34	Total Xylenes	SW8260	10 U		UG/L	10
MW344D	MW34	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW344D	MW34	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW344D	MW34	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW354	MW35	NITROGEN AMMONIA (AS N)	E350.2	0.2 U		MG/L	0.2
MW354	MW35	NITROGEN NITRATE-NITRITE	E353.2	4.6		MG/L	0.25
MW354	MW35	TOTAL ORGANIC CARBON	E415.2	1 U		MG/L	1
MW354	MW35	ALUMINUM	SW6010	25.4 U		UG/L	7.9
MW354	MW35	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW354	MW35	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW354	MW35	BARIUM	SW6010	116 U		UG/L	0.48
MW354	MW35	BERYLLIUM	SW6010	0.08 U		UG/L	0.025
MW354	MW35	CADMIUM	SW6010	0.1 U		UG/L	0.1
MW354	MW35	CALCIUM	SW6010	14700		UG/L	23.7
MW354	MW35	CHROMIUM TOTAL	SW6010	2.6 U		UG/L	1
MW354	MW35	COBALT	SW6010	0.5 U		UG/L	0.5
MW354	MW35	COPPER	SW6010	1 U		UG/L	1
MW354	MW35	IRON	SW6010	42.7 U		UG/L	3.6
MW354	MW35	LEAD	SW6010	1.3 U		UG/L	1.3
MW354	MW35	MAGNESIUM	SW6010	7420		UG/L	6.2
MW354	MW35	MANGANESE	SW6010	2.3 U		UG/L	0.53
MW354	MW35	NICKEL	SW6010	1.4 U		UG/L	0.32
MW354	MW35	POTASSIUM	SW6010	824 U		UG/L	824
MW354	MW35	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW354	MW35	SILVER	SW6010	0.5 U		UG/L	0.5
MW354	MW35	SODIUM	SW6010	16800		UG/L	114.2
MW354	MW35	THALLIUM	SW6010	2.5 U		UG/L	1.6
MW354	MW35	VANADIUM	SW6010	0.3 U		UG/L	0.3
MW354	MW35	ZINC	SW6010	9.7 U		UG/L	1.1
MW354	MW35	MERCURY	SW7470	0.1 U		UG/L	0.1
MW354	MW35	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW354	MW35	1,1,2-TETRACHLOROETHANE	SW8260	6 U		UG/L	10
MW354	MW35	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW354	MW35	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW354	MW35	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW354	MW35	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW354	MW35	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW354	MW35	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	10 U		UG/L	0
MW354	MW35	2-HEXANONE	SW8260	10 U		UG/L	10
MW354	MW35	ACETONE	SW8260	10 U		UG/L	10
MW354	MW35	BENZENE	SW8260	10 U		UG/L	10
MW354	MW35	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW354	MW35	BROMOFORM	SW8260	10 U		UG/L	10
MW354	MW35	BROMOMETHANE	SW8260	10 U		UG/L	10
MW354	MW35	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW354	MW35	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW354	MW35	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW354	MW35	CHLOROETHANE	SW8260	10 U		UG/L	10
MW354	MW35	CHLOROFORM	SW8260	10 U		UG/L	10
MW354	MW35	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW354	MW35	cis-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW354	MW35	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW354	MW35	DIBROMOFIOMETHANE	SW8260	99		UG/L	0
MW354	MW35	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW354	MW35	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW354	MW35	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW354	MW35	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW354	MW35	STYRENE	SW8260	10 U		UG/L	10
MW354	MW35	TETRACHLOROETHYLENE (PCE)	SW8260	2 J		UG/L	10
MW354	MW35	TOLUENE	SW8260	10 U		UG/L	10
MW354	MW35	TOUENE-D8	SW8260	107		UG/L	0
MW354	MW35	TOTAL 1,2-DICHLOROETHENE	SW8260	6 J		UG/L	10
MW354	MW35	Total Xylenes	SW8260	10 U		UG/L	10
MW354	MW35	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW354	MW35	TRICHLOROETHYLENE (TCE)	SW8260	100		UG/L	10
MW354	MW35	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW354	MW35	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW354	MW35	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW354	MW35	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW354	MW35	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW354	MW35	2,2-OXYBIS(1-CHLORO)PROPANE	SW8270	10 U		UG/L	10
MW354	MW35	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW354	MW35	2,4,6-TRIBROMOPHENOL	SW8270	63		UG/L	0
MW354	MW35	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW354	MW35	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW354	MW35	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW354	MW35	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW354	MW35	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW354	MW35	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW354	MW35	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW354	MW35	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW354	MW35	2-FLUOROBIPHENYL	SW8270	76		UG/L	0
MW354	MW35	2-FLUOROPHENOL	SW8270	62		UG/L	0
MW354	MW35	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW354	MW35	2-METHYLPHENOL (o-CRESOL)	SW8270	10 U		UG/L	10
MW354	MW35	2-NITROANILINE	SW8270	50 U		UG/L	50
MW354	MW35	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW354	MW35	3,3'-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW354	MW35	3-NITROANILINE	SW8270	50 U		UG/L	50
MW354	MW35	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW354	MW35	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW354	MW35	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW354	MW35	4-CHLORANILINE	SW8270	10 U		UG/L	10
MW354	MW35	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW354	MW35	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW354	MW35	4-NITROANILINE	SW8270	50 U		UG/L	50
MW354	MW35	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW354	MW35	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW354	MW35	ACENAPHTYLENE	SW8270	10 U		UG/L	10
MW354	MW35	ANTHRACENE	SW8270	10 U		UG/L	10
MW354	MW35	BENZ(a)ANTHRACENE	SW8270	10 U		UG/L	10
MW354	MW35	BENZ(b)FLUORANTHENE	SW8270	10 U		UG/L	10
MW354	MW35	BENZ(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW354	MW35	BENZ(O)FLUORANTHENE	SW8270	10 U		UG/L	10
MW354	MW35	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW354	MW35	Di(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW354	MW35	Di(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW354	MW35	Di(2-ETHYLHEXYL) PHTHALATE	SW8270	3 J		UG/L	10
MW354	MW35	CARBAZOLE	SW8270	10 U		UG/L	10
MW354	MW35	CHRYSENE	SW8270	10 U		UG/L	10
MW354	MW35	Di-n-BUTYL PHTHALATE	SW8270	2 J		UG/L	10
MW354	MW35	Di-n-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW354	MW35	DIBENZO(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW354	MW35	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW354	MW35	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW354	MW35	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW354	MW35	FLUORANTHENE	SW8270	10 U		UG/L	10
MW354	MW35	FLUORENE	SW8270	10 U		UG/L	10
MW354	MW35	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW354	MW35	HEXACHLOROCYCLOHEPTADIENE	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analysis Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW354	MW35	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW354	MW35	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW354	MW35	INDENO(1,2,3-c)PYRENE	SW8270	10 U		UG/L	10
MW354	MW35	ISOPHORONE	SW8270	10 U		UG/L	10
MW354	MW35	N-NITRODI-N-PROPYLAMINE	SW8270	10 U		UG/L	10
MW354	MW35	N-NITRODIPHENYLAMINE	SW8270	10 U		UG/L	10
MW354	MW35	NAPHTHALENE	SW8270	10 U		UG/L	10
MW354	MW35	NITROBENZENE	SW8270	10 U		UG/L	10
MW354	MW35	NITROBENZENE-D5	SW8270	78		UG/L	0
MW354	MW35	PENTACHLOROPHENOL	SW8270	5 U		UG/L	5
MW354	MW35	PHENANTHRENE	SW8270	10 U		UG/L	10
MW354	MW35	PHENOL	SW8270	10 U		UG/L	10
MW354	MW35	PHENOL-D5	SW8270	65		UG/L	0
MW354	MW35	PYRENE	SW8270	10 U		UG/L	10
MW354	MW35	TERPHENYL-D14	SW8270	85		UG/L	0
MW354	MW35	CHLORIDE (AS CL)	SW9056	14		MG/L	0.1
MW354	MW35	SULFATE (AS SO4)	SW9056	19.5		MG/L	0.1
MW354D	MW35	ALUMINUM	SW6010	20.4 U		UG/L	7.9
MW354D	MW35	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW354D	MW35	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW354D	MW35	BARIUM	SW6010	117 J		UG/L	0.48
MW354D	MW35	BERYLLIUM	SW6010	0.03 U		UG/L	0.028
MW354D	MW35	CADMIUM	SW6010	0.1 U		UG/L	0.1
MW354D	MW35	CALCIUM	SW6010	14700 =		UG/L	23.7
MW354D	MW35	CHROMIUM TOTAL	SW6010	1.4 U		UG/L	1
MW354D	MW35	COBALT	SW6010	0.5 U		UG/L	0.5
MW354D	MW35	COPPER	SW6010	1 U		UG/L	1
MW354D	MW35	IRON	SW6010	32.2 U		UG/L	3.6
MW354D	MW35	LEAD	SW6010	1.3 U		UG/L	1.3
MW354D	MW35	MAGNESIUM	SW6010	7460 =		UG/L	6.2
MW354D	MW35	MANGANESE	SW6010	1.7 J		UG/L	0.53
MW354D	MW35	NICKEL	SW6010	0.42 U		UG/L	0.32
MW354D	MW35	POTASSIUM	SW6010	824 U		UG/L	824
MW354D	MW35	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW354D	MW35	SILVER	SW6010	0.5 U		UG/L	0.5
MW354D	MW35	SODIUM	SW6010	16700 =		UG/L	114.2
MW354D	MW35	THALLIUM	SW6010	2.7 U		UG/L	1.6
MW354D	MW35	VANADIUM	SW6010	0.3 U		UG/L	0.3
MW354D	MW35	ZINC	SW6010	9.5 U		UG/L	1.1
MW354D	MW35	MERCURY	SW7470	0.1 U		UG/L	0.1
MW354D	MW35	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW354D	MW35	1,1,2-TETRACHLOROETHANE	SW8260	4 J		UG/L	10
MW354D	MW35	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Perfect Quarter	Units	Detection Limit
MW354D	MW35	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW354D	MW35	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW354D	MW35	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW354D	MW35	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW354D	MW35	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	105		UG/L	10
MW354D	MW35	2-HEXANONE	SW8260	10 U		UG/L	0
MW354D	MW35	ACETONE	SW8260	10 U		UG/L	10
MW354D	MW35	BENZENE	SW8260	10 U		UG/L	10
MW354D	MW35	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW354D	MW35	BROMOFORM	SW8260	10 U		UG/L	10
MW354D	MW35	BROMOMETHANE	SW8260	10 U		UG/L	10
MW354D	MW35	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW354D	MW35	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW354D	MW35	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW354D	MW35	CHLOROETHANE	SW8260	10 U		UG/L	10
MW354D	MW35	CHLOROFORM	SW8260	10 U		UG/L	10
MW354D	MW35	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW354D	MW35	CH-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW354D	MW35	DI-BROMOFLUOROMETHANE	SW8260	10 U		UG/L	10
MW354D	MW35	ETHYLBENZENE	SW8260	97		UG/L	10
MW354D	MW35	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	0
MW354D	MW35	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW354D	MW35	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW354D	MW35	STYRENE	SW8260	10 U		UG/L	10
MW354D	MW35	TETRACHLOROETHYLENE (PCE)	SW8260	10 U		UG/L	10
MW354D	MW35	TOLUENE	SW8260	1 U		UG/L	10
MW354D	MW35	TOLUENE-D8	SW8260	10 U		UG/L	10
MW354D	MW35	TOTAL 1,2-DICHLOROETHENE	SW8260	104		UG/L	10
MW354D	MW35	Total Xylenes	SW8260	5 U		UG/L	0
MW354D	MW35	1,1,1,3,3-PENTACHLOROETHANE	SW8260	10 U		UG/L	10
MW354D	MW35	1,1,1,3,3-PENTACHLOROETHANE	SW8260	10 U		UG/L	10
MW354D	MW35	1,1,1,3,3-PENTACHLOROETHANE	SW8260	85		UG/L	10
MW354D	MW35	1,2,4-TRICHLOROBENZENE	SW8260	10 U		UG/L	10
MW354D	MW35	1,2-DICHLOROETHENE	SW8270	10 U		UG/L	10
MW354D	MW35	1,3-DICHLOROETHENE	SW8270	10 U		UG/L	10
MW354D	MW35	1,4-DICHLOROETHENE	SW8270	10 U		UG/L	10
MW354D	MW35	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10 U		UG/L	10
MW354D	MW35	2,4,6-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW354D	MW35	2,4,6-TRICHLOROPHENOL	SW8270	65		UG/L	0
MW354D	MW35	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW354D	MW35	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW354D	MW35	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10

DDMI March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Well Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detect/Con Limit
MW354D	MW35	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW354D	MW35	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW354D	MW35	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW354D	MW35	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW354D	MW35	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW354D	MW35	2-FLUOROBIPHENYL	SW8270	82		UG/L	0
MW354D	MW35	2-FLUOROPHENOL	SW8270	64		UG/L	0
MW354D	MW35	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW354D	MW35	2-METHYLPHENOL (o-CRESOL)	SW8270	10 U		UG/L	10
MW354D	MW35	2-NITROANILINE	SW8270	50 U		UG/L	50
MW354D	MW35	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW354D	MW35	3,3'-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW354D	MW35	3-NITROANILINE	SW8270	50 U		UG/L	50
MW354D	MW35	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW354D	MW35	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW354D	MW35	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW354D	MW35	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW354D	MW35	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW354D	MW35	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW354D	MW35	4-NITROANILINE	SW8270	50 U		UG/L	50
MW354D	MW35	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW354D	MW35	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW354D	MW35	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW354D	MW35	ANTHRACENE	SW8270	10 U		UG/L	10
MW354D	MW35	BENZOXANTHRACENE	SW8270	10 U		UG/L	10
MW354D	MW35	BENZOPYRENE	SW8270	10 U		UG/L	10
MW354D	MW35	BENZOXFLUORANTHENE	SW8270	10 U		UG/L	10
MW354D	MW35	BENZOPHTHYRENE	SW8270	10 U		UG/L	10
MW354D	MW35	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW354D	MW35	Di(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW354D	MW35	Di(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW354D	MW35	Di(2-ETHYLHEXYL) PHTHALATE	SW8270	3 U		UG/L	10
MW354D	MW35	CARBAZOLE	SW8270	10 U		UG/L	10
MW354D	MW35	CHRYSENE	SW8270	10 U		UG/L	10
MW354D	MW35	Dih-BUTYL PHTHALATE	SW8270	1 U		UG/L	10
MW354D	MW35	Dih-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW354D	MW35	DIBENZODIANTHRACENE	SW8270	10 U		UG/L	10
MW354D	MW35	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW354D	MW35	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW354D	MW35	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW354D	MW35	FLUORANTHENE	SW8270	10 U		UG/L	10
MW354D	MW35	FLUORENE	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW354D	MW35	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW354D	MW35	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW354D	MW35	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW354D	MW35	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW354D	MW35	INDENO(1,2,3-c,d)PYRENE	SW8270	10 U		UG/L	10
MW354D	MW35	ISOPHORONE	SW8270	10 U		UG/L	10
MW354D	MW35	N-NITROSODI-N-PROPYLAMINE	SW8270	10 U		UG/L	10
MW354D	MW35	N-NITROSODIPHENYLAMINE	SW8270	10 U		UG/L	10
MW354D	MW35	NAPHTHALENE	SW8270	10 U		UG/L	10
MW354D	MW35	NITROBENZENE	SW8270	81		UG/L	0
MW354D	MW35	NITROBENZENE-D5	SW8270	5 U		UG/L	5
MW354D	MW35	PENTACHLOROPHENOL	SW8270	10 U		UG/L	10
MW354D	MW35	PHENANTHRENE	SW8270	10 U		UG/L	10
MW354D	MW35	PHENOL	SW8270	60		UG/L	0
MW354D	MW35	PHENOL-D5	SW8270	10 U		UG/L	10
MW354D	MW35	PYRENE	SW8270	B4		UG/L	0
MW354D	MW35	TERPHENYL-D14	SW8270	2430 =		UG/L	7.9
MW364	MW36	ALUMINIUM	SW6010	2.7 U		UG/L	1.7
MW364	MW36	ANTIMONY	SW6010	1.4 U		UG/L	1.4
MW364	MW36	ARSENIC	SW6010	309 =		UG/L	0.48
MW364	MW36	BARIUM	SW6010	0.02 U		UG/L	0.02
MW364	MW36	BERYLLIUM	SW6010	1.5 J		UG/L	0.085
MW364	MW36	CADMIUM	SW6010	35300 =		UG/L	23.7
MW364	MW36	CALCIUM	SW6010	66.6 =		UG/L	1
MW364	MW36	CHROMIUM TOTAL	SW6010	4.9 U		UG/L	0.5
MW364	MW36	COBALT	SW6010	9.1 U		UG/L	1
MW364	MW36	COPPER	SW6010	3690 J		UG/L	3.6
MW364	MW36	IRON	SW6010	4.8 =		UG/L	1.3
MW364	MW36	LEAD	SW6010	5940 =		UG/L	0.2
MW364	MW36	MAGNESIUM	SW6010	135 =		UG/L	0.53
MW364	MW36	MANGANESE	SW6010	47.8 =		UG/L	0.32
MW364	MW36	NICKEL	SW6010	5170 =		UG/L	824.5
MW364	MW36	POTASSIUM	SW6010	1.6 U		UG/L	1.6
MW364	MW36	SELENIUM	SW6010	0.5 U		UG/L	0.5
MW364	MW36	SILVER	SW6010	4470 J		UG/L	114.2
MW364	MW36	SODIUM	SW6010	1.6 U		UG/L	1.6
MW364	MW36	THALLIUM	SW6010	3 J		UG/L	0.31
MW364	MW36	VANADIUM	SW6010	31.1 U		UG/L	1.1
MW364	MW36	ZINC	SW6010	0.13 J		UG/L	0.1
MW364	MW36	MERCURY	SW7470	10 U		UG/L	10
MW364	MW36	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW364	MW36	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW364	MW36	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analysis Parameter	Analytical Method	% Value	Project Qualifier	Units	Detection Limit
MW364	MW36	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW364	MW36	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW364	MW36	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW364	MW36	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW364	MW36	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	100		UG/L	0
MW364	MW36	2-HEXANONE	SW8260	10 U		UG/L	10
MW364	MW36	ACETONE	SW8260	10 U		UG/L	10
MW364	MW36	BENZENE	SW8260	1 U		UG/L	10
MW364	MW36	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW364	MW36	BROMOFORM	SW8260	10 U		UG/L	10
MW364	MW36	BROMOMETHANE	SW8260	10 U		UG/L	10
MW364	MW36	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW364	MW36	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW364	MW36	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW364	MW36	CHLOROETHANE	SW8260	10 U		UG/L	10
MW364	MW36	CHLOROFORM	SW8260	10 U		UG/L	10
MW364	MW36	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW364	MW36	CIS-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW364	MW36	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW364	MW36	DIBROMOFLUOROMETHANE	SW8260	105		UG/L	0
MW364	MW36	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW364	MW36	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW364	MW36	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW364	MW36	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW364	MW36	STYRENE	SW8260	10 U		UG/L	10
MW364	MW36	TETRACHLOROETHYLENE(PCE)	SW8260	10 U		UG/L	10
MW364	MW36	TOLUENE	SW8260	10 U		UG/L	10
MW364	MW36	TOLUENE-D8	SW8260	104		UG/L	0
MW364	MW36	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW364	MW36	Total Xylenes	SW8260	10 U		UG/L	10
MW364	MW36	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW364	MW36	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW364	MW36	VINYL CHLORIDE	SW8270	10 U		UG/L	10
MW364	MW36	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW364	MW36	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW364	MW36	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW364	MW36	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW364	MW36	2,2-OXYBIS(1-CHLORO)PROPANE	SW8270	50 U		UG/L	50
MW364	MW36	2,4,5-TRICHLOROPHENOL	SW8270	72		UG/L	0
MW364	MW36	2,4,6-TRIBROMOPHENOL	SW8270	10 U		UG/L	10
MW364	MW36	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW364	MW36	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW364	MW36	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analysis Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW364	MW36	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW364	MW36	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW364	MW36	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW364	MW36	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW364	MW36	2-CHLOROPHENYL	SW8270	68		UG/L	0
MW364	MW36	2-FLUOROPHENOL	SW8270	35		UG/L	0
MW364	MW36	2-FLUOROPHENOL	SW8270	10 U		UG/L	10
MW364	MW36	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW364	MW36	2-METHYLPHENOL (O-CRESOL)	SW8270	10 U		UG/L	10
MW364	MW36	2-NITROANILINE	SW8270	50 U		UG/L	50
MW364	MW36	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW364	MW36	3,3'-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW364	MW36	3-NITROANILINE	SW8270	50 U		UG/L	50
MW364	MW36	4,6-DINITRO-2-METHYLPHENOL	SW8270	10 U		UG/L	10
MW364	MW36	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW364	MW36	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW364	MW36	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW364	MW36	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW364	MW36	4-METHYLPHENOL (P-CRESOL)	SW8270	10 U		UG/L	10
MW364	MW36	4-NITROANILINE	SW8270	50 U		UG/L	50
MW364	MW36	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW364	MW36	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW364	MW36	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW364	MW36	ANTHRACENE	SW8270	10 U		UG/L	10
MW364	MW36	BENZO(a)ANTHRACENE	SW8270	10 U		UG/L	10
MW364	MW36	BENZO(b)PYRENE	SW8270	10 U		UG/L	10
MW364	MW36	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW364	MW36	BENZO(g,h,i)PERYLENE	SW8270	10 U		UG/L	10
MW364	MW36	BENZO(a)FLUORANTHENE	SW8270	10 U		UG/L	10
MW364	MW36	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW364	MW36	bis(2-CHLOROETHOXY)METHANE	SW8270	10 U		UG/L	10
MW364	MW36	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW364	MW36	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10 U		UG/L	10
MW364	MW36	CARBAZOLE	SW8270	10 U		UG/L	10
MW364	MW36	CHRYSENE	SW8270	10 U		UG/L	10
MW364	MW36	Dih-Butyl PHTHALATE	SW8270	3 J		UG/L	10
MW364	MW36	Dih-Octyl PHTHALATE	SW8270	10 U		UG/L	10
MW364	MW36	DIBENZO(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW364	MW36	DIBENZO(f,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW364	MW36	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW364	MW36	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW364	MW36	FLUORANTHENE	SW8270	10 U		UG/L	10
MW364	MW36	FLUORENE	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameters	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW364	MW36	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW364	MW36	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW364	MW36	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW364	MW36	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW364	MW36	INDENOX(1,2,3-c,d)PYRENE	SW8270	10 U		UG/L	10
MW364	MW36	ISOPHORONE	SW8270	10 U		UG/L	10
MW364	MW36	N-NITROSO-DI-N-PROPYLAMINE	SW8270	10 U		UG/L	10
MW364	MW36	N-NITROSDIPHENYLAMINE	SW8270	10 U		UG/L	10
MW364	MW36	NAPHTHALENE	SW8270	10 U		UG/L	10
MW364	MW36	NITROBENZENE	SW8270	10 U		UG/L	10
MW364	MW36	NITROBENZENE-D5	SW8270	74		UG/L	0
MW364	MW36	PENTACHLOROPHENOL	SW8270	50		UG/L	5
MW364	MW36	PHENANTHRENE	SW8270	10 U		UG/L	10
MW364	MW36	PHENOL	SW8270	10 U		UG/L	10
MW364	MW36	PHENOL-D6	SW8270	26		UG/L	0
MW364	MW36	PYRENE	SW8270	10 U		UG/L	10
MW364	MW36	TERPHENYL-D14	SW8270	65		UG/L	0
MW364D	MW36	ALUMINIUM	SW6010	2500 =		UG/L	7.9
MW364D	MW36	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW364D	MW36	ARSENIC	SW6010	2.8 U		UG/L	1.4
MW364D	MW36	BARIUM	SW6010	306 =		UG/L	0.48
MW364D	MW36	BERYLLIUM	SW6010	0.02 U		UG/L	0.02
MW364D	MW36	CADMIUM	SW6010	1.7 J		UG/L	0.085
MW364D	MW36	CALCIUM	SW6010	34500 =		UG/L	23.7
MW364D	MW36	CHROMIUM TOTAL	SW6010	57.5 =		UG/L	1
MW364D	MW36	COBALT	SW6010	5.4 U		UG/L	0.5
MW364D	MW36	COPPER	SW6010	10.8 U		UG/L	1
MW364D	MW36	IRON	SW6010	3630 J		UG/L	3.6
MW364D	MW36	LEAD	SW6010	4 =		UG/L	1.3
MW364D	MW36	MAGNESIUM	SW6010	5840 =		UG/L	6.2
MW364D	MW36	MANGANESE	SW6010	134 =		UG/L	0.53
MW364D	MW36	NICKEL	SW6010	39.6 J		UG/L	0.32
MW364D	MW36	POTASSIUM	SW6010	4760 J		UG/L	824.5
MW364D	MW36	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW364D	MW36	SILVER	SW6010	0.5 U		UG/L	0.5
MW364D	MW36	SODIUM	SW6010	4400 J		UG/L	114.2
MW364D	MW36	THALIUM	SW6010	5.5 U		UG/L	1.6
MW364D	MW36	VANADIUM	SW6010	3.4 J		UG/L	0.31
MW364D	MW36	ZINC	SW6010	37 U		UG/L	1.1
MW364D	MW36	MERCURY	SW7470	0.12 J		UG/L	0.1
MW374	MW37	HARDNESS (AS CaCO3)	E130.2	180 =		MG/L	25
MW374	MW37	TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	E160.1	184 =		MG/L	10
MW374	MW37	BICARBONATE	E310.1	167 =		MG/L	3

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW374	MW37	ALUMINUM	SW6010	41.6 J		UG/L	7.9
MW374	MW37	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW374	MW37	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW374	MW37	BARUM	SW6010	588 =		UG/L	0.46
MW374	MW37	BERYLLIUM	SW6010	0.08 U		UG/L	0.075
MW374	MW37	CADMIUM	SW6010	0.19 J		UG/L	0.085
MW374	MW37	CALCIUM	SW6010	31900 =		UG/L	23.7
MW374	MW37	CHROMIUM, TOTAL	SW6010	2.6 U		UG/L	1
MW374	MW37	COBALT	SW6010	0.5 U		UG/L	0.5
MW374	MW37	COPPER	SW6010	1 U		UG/L	1
MW374	MW37	IRON	SW6010	4150 =		UG/L	3.6
MW374	MW37	LEAD	SW6010	1.3 U		UG/L	1.3
MW374	MW37	MAGNESIUM	SW6010	13100 =		UG/L	6.2
MW374	MW37	MANGANESE	SW6010	160 =		UG/L	0.53
MW374	MW37	NICKEL	SW6010	0.61 U		UG/L	0.32
MW374	MW37	POTASSIUM	SW6010	5470 =		UG/L	824.5
MW374	MW37	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW374	MW37	SILVER	SW6010	0.5 U		UG/L	0.5
MW374	MW37	SODIUM	SW6010	6890 =		UG/L	114.2
MW374	MW37	THALLIUM	SW6010	1.6 U		UG/L	1.6
MW374	MW37	VANADIUM	SW6010	0.3 U		UG/L	0.3
MW374	MW37	ZINC	SW6010	11.5 U		UG/L	1.1
MW374	MW37	MERCURY	SW7470	0.1 U		UG/L	0.1
MW374	MW37	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW374	MW37	1,1,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW374	MW37	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW374	MW37	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW374	MW37	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW374	MW37	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW374	MW37	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW374	MW37	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	10 J		UG/L	0
MW374	MW37	2-HEXANONE	SW8260	10 U		UG/L	10
MW374	MW37	ACETONE	SW8260	10 U		UG/L	10
MW374	MW37	BENZENE	SW8260	10 U		UG/L	10
MW374	MW37	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW374	MW37	BROMOFORM	SW8260	10 U		UG/L	10
MW374	MW37	BROMOMETHANE	SW8260	10 U		UG/L	10
MW374	MW37	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW374	MW37	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW374	MW37	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW374	MW37	CHLOROETHANE	SW8260	10 U		UG/L	10
MW374	MW37	CHLOROFORM	SW8260	10 U		UG/L	10
MW374	MW37	CHLOROMETHANE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW374	MW37	1,1,1-Trichloroethane	SW8260	10 U		UG/L	10
MW374	MW37	1,1,2-Dichloroethane	SW8260	10 U		UG/L	10
MW374	MW37	1,1,2,2-Tetrachloroethane	SW8260	10 U		UG/L	10
MW374	MW37	1,2-Dichlorobenzene	SW8260	10 U		UG/L	10
MW374	MW37	1,2,4-Trichlorobenzene	SW8260	10 U		UG/L	10
MW374	MW37	1,2,4,6-Tetrachlorobenzene	SW8260	10 U		UG/L	10
MW374	MW37	1,3-Dichlorobenzene	SW8260	10 U		UG/L	10
MW374	MW37	1,3,5-Trichlorobenzene	SW8260	10 U		UG/L	10
MW374	MW37	1,4-Dichlorobenzene	SW8260	10 U		UG/L	10
MW374	MW37	1,4-Dinitrophenol	SW8270	50 U		UG/L	50
MW374	MW37	2,4-Dinitrophenol	SW8270	30		UG/L	30
MW374	MW37	2,4,6-Trichlorophenol	SW8270	10 U		UG/L	10
MW374	MW37	2,4-Dichlorophenol	SW8270	10 U		UG/L	10
MW374	MW37	2,4-Dimethylphenol	SW8270	10 U		UG/L	10
MW374	MW37	2,4-Dinitrophenol	SW8270	50 U		UG/L	50
MW374	MW37	2,4-Dinitrotoluene	SW8270	10 U		UG/L	10
MW374	MW37	2,6-Dinitrotoluene	SW8270	10 U		UG/L	10
MW374	MW37	2-Chloronaphthalene	SW8270	10 U		UG/L	10
MW374	MW37	2-Chlorophenol	SW8270	10 U		UG/L	10
MW374	MW37	2-Fluorobiphenyl	SW8270	50		UG/L	50
MW374	MW37	2-Fluorophenol	SW8270	20		UG/L	20
MW374	MW37	2-Methylnaphthalene	SW8270	10 U		UG/L	10
MW374	MW37	2-Methylphenol (o-Cresol)	SW8270	10 U		UG/L	10
MW374	MW37	2-Nitroaniline	SW8270	50 U		UG/L	50
MW374	MW37	2-Nitrophenol	SW8270	10 U		UG/L	10
MW374	MW37	3,3-Dichlorobenzidine	SW8270	50 U		UG/L	50
MW374	MW37	3-Nitroaniline	SW8270	50 U		UG/L	50
MW374	MW37	4,6-Dinitro-2-methylphenol	SW8270	10 U		UG/L	10
MW374	MW37	4-Bromophenyl phenyl ether	SW8270	10 U		UG/L	10
MW374	MW37	4-Chloro-3-methylphenol	SW8270	10 U		UG/L	10
MW374	MW37	4-Chloroaniline	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	k Value	Project Qualifier	Units	Detection Limit
MW374	MW37	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U	10 U	UG/L	10
MW374	MW37	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U	10 U	UG/L	10
MW374	MW37	4-NITROANILINE	SW8270	50 U	50 U	UG/L	50
MW374	MW37	4-NITROPHENOL	SW8270	50 U	50 U	UG/L	50
MW374	MW37	ACENAPHTHENE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	ACENAPHTHYLENE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	ANTHRACENE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	BENZOXANTHRACENE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	BENZOPYRENE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	BENZOFURANTHENE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	BENZOGHAPTERYLENE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	BENZOFURANTHENE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	BENYL BUTYL PHTHALATE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	DI(2-CHLOROETHOXY) METHANE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	DI(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U	10 U	UG/L	10
MW374	MW37	DI(2-ETHYHEXYL) PHTHALATE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	CARBAZOLE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	CHRYSENE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	DI-n-BUTYL PHTHALATE	SW8270	2 J	2 J	UG/L	10
MW374	MW37	DI-n-OCTYL PHTHALATE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	DIBENZ(a,h)ANTHRACENE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	DIBENZOFLURAN	SW8270	10 U	10 U	UG/L	10
MW374	MW37	DIETHYL PHTHALATE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	DIMETHYL PHTHALATE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	FLUORANTHENE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	FLUORENE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	HEXACHLOROBENZENE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	HEXACHLOROBUTADIENE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	HEXACHLOROETHANE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	INDENO(1,2,3-cd)PYRENE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	ISOPHORONE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	N-NITROSO-DI-n-PROPYLAMINE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	N-NITROSO-DIPHENYLAMINE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	NAPHTHALENE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	NITROBENZENE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	NITROBENZENE-D5	SW8270	61	61	UG/L	10
MW374	MW37	PENTACHLOROPHENOL	SW8270	5 U	5 U	UG/L	5
MW374	MW37	PHENANTHRENE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	PHENOL	SW8270	10 U	10 U	UG/L	10
MW374	MW37	PHENOL-D5	SW8270	33	33	UG/L	10
MW374	MW37	PYRENE	SW8270	10 U	10 U	UG/L	10
MW374	MW37	TERPHENYL-D14	SW8270	57	57	UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quantifier	Units	Detection Limit
MW374	MW37	CHLORIDE (AS CL)	SW9056	6.6 =		MG/L	0.1
MW374	MW37	FLUORIDE	SW9056	0.08 =		MG/L	0.06
MW374	MW37	NITROGEN, NITRATE (AS N)	SW9056	0.05 U		MG/L	0.05
MW374	MW37	SULFATE (AS SO4)	SW9056	9.3 =		MG/L	0.1
MW384	MW38	ALUMINUM	SW6010	285 =		UG/L	7.9
MW384	MW38	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW384	MW38	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW384	MW38	BARIUM	SW6010	59.1 J		UG/L	0.48
MW384	MW38	BERYLLIUM	SW6010	0.15 U		UG/L	0.025
MW384	MW38	CADMIUM	SW6010	11.2 =		UG/L	0.085
MW384	MW38	CALCIUM	SW6010	15800 =		UG/L	23.7
MW384	MW38	CHROMIUM, TOTAL	SW6010	14.6 =		UG/L	1
MW384	MW38	COBALT	SW6010	0.5 U		UG/L	0.5
MW384	MW38	COPPER	SW6010	3.5 J		UG/L	1
MW384	MW38	IRON	SW6010	572 J		UG/L	3.6
MW384	MW38	LEAD	SW6010	1.3 U		UG/L	1.3
MW384	MW38	MAGNESIUM	SW6010	5160 =		UG/L	6.2
MW384	MW38	MANGANESE	SW6010	12.1 J		UG/L	0.53
MW384	MW38	NICKEL	SW6010	7.8 J		UG/L	0.32
MW384	MW38	POTASSIUM	SW6010	828 U		UG/L	824
MW384	MW38	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW384	MW38	SILVER	SW6010	0.5 U		UG/L	0.5
MW384	MW38	SODIUM	SW6010	11700 =		UG/L	114.2
MW384	MW38	THALLIUM	SW6010	2.2 U		UG/L	1.6
MW384	MW38	VANADIUM	SW6010	0.78 J		UG/L	0.31
MW384	MW38	ZINC	SW6010	30.8 =		UG/L	1.1
MW384	MW38	MERCURY	SW7470	0.1 U		UG/L	0.1
MW384	MW38	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW384	MW38	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW384	MW38	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW384	MW38	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW384	MW38	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW384	MW38	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW384	MW38	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	105		UG/L	0
MW384	MW38	2-HEXANONE	SW8260	10 U		UG/L	10
MW384	MW38	ACETONE	SW8260	10 U		UG/L	10
MW384	MW38	BENZENE	SW8260	10 U		UG/L	10
MW384	MW38	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW384	MW38	BROMOFORM	SW8260	10 U		UG/L	10
MW384	MW38	BROMOMETHANE	SW8260	10 U		UG/L	10
MW384	MW38	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW384	MW38	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quantifier	Units	Detection Limit
MW384	MW38	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW384	MW38	CHLOROETHANE	SW8260	10 U		UG/L	10
MW384	MW38	CHLOROFORM	SW8260	10 U		UG/L	10
MW384	MW38	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW384	MW38	cis-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW384	MW38	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW384	MW38	DIBROMOFIUFOROMETHANE	SW8260	10 U		UG/L	10
MW384	MW38	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW384	MW38	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW384	MW38	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW384	MW38	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW384	MW38	STYRENE	SW8260	10 U		UG/L	10
MW384	MW38	TETRACHLOROETHYLENE(PCE)	SW8260	10 U		UG/L	10
MW384	MW38	TOLUENE	SW8260	10 U		UG/L	10
MW384	MW38	TOLUENE-D8	SW8260	10 U		UG/L	10
MW384	MW38	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW384	MW38	Total Xylenes	SW8260	10 U		UG/L	10
MW384	MW38	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW384	MW38	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW384	MW38	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW384	MW38	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW384	MW38	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW384	MW38	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW384	MW38	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW384	MW38	2,2-OXYBIS(1-CHLOROPROPANE)	SW8270	10 U		UG/L	10
MW384	MW38	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW384	MW38	2,4,6-TRIBROMOPHENOL	SW8270	67		UG/L	0
MW384	MW38	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW384	MW38	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW384	MW38	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW384	MW38	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW384	MW38	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW384	MW38	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW384	MW38	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW384	MW38	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW384	MW38	2-FLUOROBIPHENYL	SW8270	72		UG/L	0
MW384	MW38	2-FLUOROPHENOL	SW8270	69		UG/L	0
MW384	MW38	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW384	MW38	2-METHYLPHENOL (o-CRESOL)	SW8270	10 U		UG/L	10
MW384	MW38	2-NITROANILINE	SW8270	50 U		UG/L	50
MW384	MW38	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW384	MW38	3,3-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW384	MW38	3-NITROANILINE	SW8270	50 U		UG/L	50

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW384	MW38	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW384	MW38	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW384	MW38	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW384	MW38	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW384	MW38	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW384	MW38	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW384	MW38	4-NITROANILINE	SW8270	50 U		UG/L	50
MW384	MW38	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW384	MW38	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW384	MW38	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW384	MW38	ANTHRACENE	SW8270	10 U		UG/L	10
MW384	MW38	BENZO(a)ANTHRACENE	SW8270	10 U		UG/L	10
MW384	MW38	BENZO(a)PYRENE	SW8270	10 U		UG/L	10
MW384	MW38	BENZO(b)FLUORANTHENE	SW8270	10 U		UG/L	10
MW384	MW38	BENZO(g)HAPERYLENE	SW8270	10 U		UG/L	10
MW384	MW38	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW384	MW38	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW384	MW38	DI(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW384	MW38	DI(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW384	MW38	DI(2-ETHYLHEXYL) PHTHALATE	SW8270	10 U		UG/L	10
MW384	MW38	CARBAZOLE	SW8270	10 U		UG/L	10
MW384	MW38	CHRYSENE	SW8270	10 U		UG/L	10
MW384	MW38	DI-n-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW384	MW38	DI-n-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW384	MW38	DIBENZ(g,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW384	MW38	DIBENZO(furan)	SW8270	10 U		UG/L	10
MW384	MW38	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW384	MW38	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW384	MW38	FLUORANTHENE	SW8270	10 U		UG/L	10
MW384	MW38	FLUORENE	SW8270	10 U		UG/L	10
MW384	MW38	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW384	MW38	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW384	MW38	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW384	MW38	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW384	MW38	INDENOX(1,2,3-c,d)PYRENE	SW8270	10 U		UG/L	10
MW384	MW38	ISOPHTHORENE	SW8270	10 U		UG/L	10
MW384	MW38	N-NITROSO-Di-n-PROPYLAMINE	SW8270	10 U		UG/L	10
MW384	MW38	N-NITROSO-DIPENTYLAMINE	SW8270	10 U		UG/L	10
MW384	MW38	NAPHTHALENE	SW8270	10 U		UG/L	10
MW384	MW38	NITROBENZENE	SW8270	10 U		UG/L	10
MW384	MW38	NITROBENZENE-D5	SW8270	77		UG/L	0
MW384	MW38	PENTACHLOROPHENOL	SW8270	50		UG/L	5
MW384	MW38	PHENANTHRENE	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW384	MW38	PHENOL	SW8270	10 U		UG/L	10
MW384	MW38	PHENOL-05	SW8270	67		UG/L	0
MW384	MW38	PYRENE	SW8270	10 U		UG/L	10
MW384	MW38	TERPHENYL-014	SW8270	45		UG/L	0
MW384D	MW38	ALUMINIUM	SW6010	251		UG/L	7.9
MW384D	MW38	ANTIMONY	SW6010	1.7 J		UG/L	1.7
MW384D	MW38	ARSENIC	SW6010	1.6 J		UG/L	1.4
MW384D	MW38	BARIUM	SW6010	63 J		UG/L	0.48
MW384D	MW38	BERYLLIUM	SW6010	0.04 U		UG/L	0.025
MW384D	MW38	CADMIUM	SW6010	12		UG/L	0.085
MW384D	MW38	CALCIUM	SW6010	1500		UG/L	23.7
MW384D	MW38	CHROMIUM, TOTAL	SW6010	18.2		UG/L	1
MW384D	MW38	COBALT	SW6010	0.5 U		UG/L	0.6
MW384D	MW38	COPPER	SW6010	21.4 J		UG/L	1
MW384D	MW38	IRON	SW6010	501 J		UG/L	3.6
MW384D	MW38	LEAD	SW6010	1.3 J		UG/L	1.3
MW384D	MW38	MAGNESIUM	SW6010	540		UG/L	6.2
MW384D	MW38	MANGANESE	SW6010	13.8 J		UG/L	0.53
MW384D	MW38	NICKEL	SW6010	11.2 J		UG/L	0.32
MW384D	MW38	POTASSIUM	SW6010	824 U		UG/L	824
MW384D	MW38	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW384D	MW38	SILVER	SW6010	0.5 U		UG/L	0.5
MW384D	MW38	SODIUM	SW6010	1200		UG/L	114.2
MW384D	MW38	TITANIUM	SW6010	1.6 U		UG/L	1.6
MW384D	MW38	VANADIUM	SW6010	0.72 J		UG/L	0.31
MW384D	MW38	ZINC	SW6010	49.6		UG/L	1.1
MW384D	MW38	MERCURY	SW7470	0.1 U		UG/L	0.1
MW394	MW39	ALUMINIUM	SW6010	262		UG/L	7.9
MW394	MW39	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW394	MW39	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW394	MW39	BARIUM	SW6010	69.4 J		UG/L	0.48
MW394	MW39	BERYLLIUM	SW6010	0.08 U		UG/L	0.025
MW394	MW39	CADMIUM	SW6010	1.1 J		UG/L	0.085
MW394	MW39	CALCIUM	SW6010	2000		UG/L	23.7
MW394	MW39	CHROMIUM, TOTAL	SW6010	4.1 U		UG/L	1
MW394	MW39	COBALT	SW6010	5.6 U		UG/L	0.5
MW394	MW39	COPPER	SW6010	2.2 U		UG/L	1
MW394	MW39	IRON	SW6010	550		UG/L	3.6
MW394	MW39	LEAD	SW6010	1.3 J		UG/L	1.3
MW394	MW39	MAGNESIUM	SW6010	8210		UG/L	6.2
MW394	MW39	MANGANESE	SW6010	78.5		UG/L	0.53
MW394	MW39	NICKEL	SW6010	1.6 U		UG/L	0.32
MW394	MW39	POTASSIUM	SW6010	1690 J		UG/L	824.5

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW394	MW39	SELENIUM	SW6010	1.0 U		UG/L	1.0
MW394	MW39	SILVER	SW6010	0.5 U		UG/L	0.5
MW394	MW39	SODIUM	SW6010	20900		UG/L	114.2
MW394	MW39	THALLIUM	SW6010	1.0 U		UG/L	1.0
MW394	MW39	VANADIUM	SW6010	0.45 U		UG/L	0.3
MW394	MW39	ZINC	SW6010	34.9 U		UG/L	1.1
MW394	MW39	MERCURY	SW7470	0.1 U		UG/L	0.1
MW394	MW39	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW394	MW39	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW394	MW39	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW394	MW39	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW394	MW39	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW394	MW39	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW394	MW39	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW394	MW39	1-BROMO-4-FLUOROBENZENE (4-BROMOTRIFLUOROBENZENE)	SW8260	102		UG/L	0
MW394	MW39	2-HEXANONE	SW8260	10 U		UG/L	10
MW394	MW39	ACETONE	SW8260	11 U		UG/L	10
MW394	MW39	BENZENE	SW8260	10 U		UG/L	10
MW394	MW39	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW394	MW39	BROMOFORM	SW8260	10 U		UG/L	10
MW394	MW39	BROMOMETHANE	SW8260	10 U		UG/L	10
MW394	MW39	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW394	MW39	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW394	MW39	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW394	MW39	CHLOROETHANE	SW8260	10 U		UG/L	10
MW394	MW39	CHLOROFORM	SW8260	10 U		UG/L	10
MW394	MW39	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW394	MW39	1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW394	MW39	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW394	MW39	DIBROMOFLUOROMETHANE	SW8260	105		UG/L	0
MW394	MW39	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW394	MW39	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW394	MW39	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW394	MW39	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW394	MW39	STYRENE	SW8260	10 U		UG/L	10
MW394	MW39	TETRACHLOROETHYLENE (PCE)	SW8260	8 U		UG/L	10
MW394	MW39	TOLUENE	SW8260	10 U		UG/L	10
MW394	MW39	TOLUENE-D8	SW8260	105		UG/L	0
MW394	MW39	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW394	MW39	Total Xylenes	SW8260	10 U		UG/L	10
MW394	MW39	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW394	MW39	TRICHLOROETHYLENE (TCE)	SW8260	7 U		UG/L	10
MW394	MW39	VINYL CHLORIDE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Protect Coefficient	Units	Detection Limit
MW394	MW39	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW394	MW39	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW394	MW39	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW394	MW39	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW394	MW39	2,2'-OXYBIS(1-CHLOROPROPANE)	SW8270	10 U		UG/L	10
MW394	MW39	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW394	MW39	2,4,6-TRIBROMOPHENOL	SW8270	60		UG/L	0
MW394	MW39	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW394	MW39	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW394	MW39	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW394	MW39	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW394	MW39	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW394	MW39	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW394	MW39	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW394	MW39	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW394	MW39	2-FLUOROBIPHENYL	SW8270	64		UG/L	0
MW394	MW39	2-FLUOROPHENOL	SW8270	54		UG/L	0
MW394	MW39	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW394	MW39	2-METHYLPHENOL (O-CRESOL)	SW8270	10 U		UG/L	10
MW394	MW39	2-NITROANILINE	SW8270	50 U		UG/L	50
MW394	MW39	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW394	MW39	3,3'-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW394	MW39	3-NITROANILINE	SW8270	50 U		UG/L	50
MW394	MW39	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW394	MW39	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW394	MW39	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW394	MW39	4-CHLORANILINE	SW8270	10 U		UG/L	10
MW394	MW39	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW394	MW39	4-METHYLPHENOL (P-CRESOL)	SW8270	10 U		UG/L	10
MW394	MW39	4-NITROANILINE	SW8270	50 U		UG/L	50
MW394	MW39	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW394	MW39	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW394	MW39	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW394	MW39	ANTHRACENE	SW8270	10 U		UG/L	10
MW394	MW39	BENZO(G)ANTHRACENE	SW8270	10 U		UG/L	10
MW394	MW39	BENZO(G)PYRENE	SW8270	10 U		UG/L	10
MW394	MW39	BENZO(G)FLUORANTHENE	SW8270	10 U		UG/L	10
MW394	MW39	BENZO(G,I)PERYLENE	SW8270	10 U		UG/L	10
MW394	MW39	BENZO(G)FLUORANTHENE	SW8270	10 U		UG/L	10
MW394	MW39	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW394	MW39	BIS(2-CHLOROETHOXY)METHANE	SW8270	10 U		UG/L	10
MW394	MW39	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW394	MW39	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270	10 U		UG/L	10

DDMT March 1996  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW394	MW39	CARBAZOLE	SW8270	10 U		UG/L	10
MW394	MW39	CHRYSENE	SW8270	10 U		UG/L	10
MW394	MW39	DIP-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW394	MW39	DIP-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW394	MW39	DIBENZ(G,H)ANTHRACENE	SW8270	10 U		UG/L	10
MW394	MW39	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW394	MW39	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW394	MW39	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW394	MW39	FLUORANTHENE	SW8270	10 U		UG/L	10
MW394	MW39	FLUORENE	SW8270	10 U		UG/L	10
MW394	MW39	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW394	MW39	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW394	MW39	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW394	MW39	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW394	MW39	INDENOX(1,2,3-c)PYRENE	SW8270	10 U		UG/L	10
MW394	MW39	ISOPHORONE	SW8270	10 U		UG/L	10
MW394	MW39	N-NITROSODIPROPYLAMINE	SW8270	10 U		UG/L	10
MW394	MW39	N-NITROSODIPHENYLAMINE	SW8270	10 U		UG/L	10
MW394	MW39	NAPHTHALENE	SW8270	10 U		UG/L	10
MW394	MW39	NITROBENZENE	SW8270	10 U		UG/L	10
MW394	MW39	NITROBENZENE-D5	SW8270	69		UG/L	0
MW394	MW39	PENTACHLOROPHENOL	SW8270	5 U		UG/L	5
MW394	MW39	PHENANTHRENE	SW8270	10 U		UG/L	10
MW394	MW39	PHENOL	SW8270	10 U		UG/L	10
MW394	MW39	PHENOL-D5	SW8270	62		UG/L	0
MW394	MW39	PYRENE	SW8270	10 U		UG/L	10
MW394	MW39	TERPHENYL-D14	SW8270	68		UG/L	0
MW394D	MW39	ALUMINIUM	SW6010	311 =		UG/L	70
MW394D	MW39	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW394D	MW39	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW394D	MW39	BARIUM	SW6010	57.5 J		UG/L	0.48
MW394D	MW39	BERYLLIUM	SW6010	0.08 U		UG/L	0.025
MW394D	MW39	CADMIUM	SW6010	1 U		UG/L	0.085
MW394D	MW39	CALCIUM	SW6010	19500 =		UG/L	23.7
MW394D	MW39	CHROMIUM, TOTAL	SW6010	3.8 U		UG/L	1
MW394D	MW39	COBALT	SW6010	5.3 U		UG/L	0.5
MW394D	MW39	COPPER	SW6010	2 U		UG/L	1
MW394D	MW39	IRON	SW6010	598 =		UG/L	3.6
MW394D	MW39	LEAD	SW6010	1.4 J		UG/L	1.3
MW394D	MW39	MAGNESIUM	SW6010	780 =		UG/L	6.2
MW394D	MW39	MANGANESE	SW6010	77.8 =		UG/L	0.53
MW394D	MW39	NICKEL	SW6010	1.7 U		UG/L	0.32
MW394D	MW39	POTASSIUM	SW6010	1480 J		UG/L	824.5

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW394D	MW39	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW394D	MW39	SILVER	SW6010	0.5 U		UG/L	0.5
MW394D	MW39	SODIUM	SW6010	20100 =		UG/L	114.2
MW394D	MW39	THALLIUM	SW6010	1.6 U		UG/L	1.6
MW394D	MW39	VANADIUM	SW6010	0.52 J		UG/L	0.31
MW394D	MW39	ZINC	SW6010	35.2 U		UG/L	1.1
MW394D	MW39	MERCURY	SW747D	0.11 U		UG/L	0.1
MW404	MW40	NITROGEN, AMMONIA (AS N)	E350.2	1.7 =		MG/L	0.2
MW404	MW40	NITROGEN, NITRATE-NITRITE	E353.2	1.45 =		MG/L	0.05
MW404	MW40	TOTAL ORGANIC CARBON	E415.2	2.5 =		MG/L	1
MW404	MW40	ETHANE	SW3810	0.85 U		UG/L	0.86
MW404	MW40	ETHENE	SW3810	0.89 U		UG/L	0.89
MW404	MW40	METHANE	SW3810	3.47 =		UG/L	0.31
MW404	MW40	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW404	MW40	ARSENIC	SW6010	1.6 U		UG/L	1.4
MW404	MW40	BERYLLIUM	SW6010	0.02 U		UG/L	0.02
MW404	MW40	CADMIUM	SW6010	0.1 U		UG/L	0.1
MW404	MW40	CHROMIUM, TOTAL	SW6010	3 J		UG/L	1
MW404	MW40	COPPER	SW6010	4 U		UG/L	1
MW404	MW40	LEAD	SW6010	1.3 U		UG/L	1.3
MW404	MW40	NICKEL	SW6010	1.2 U		UG/L	0.32
MW404	MW40	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW404	MW40	SILVER	SW6010	0.5 U		UG/L	0.5
MW404	MW40	THALLIUM	SW6010	2.9 U		UG/L	1.6
MW404	MW40	ZINC	SW6010	28.5 =		UG/L	1.1
MW404	MW40	MERCURY	SW747D	0.1 U		UG/L	0.1
MW404	MW40	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW404	MW40	1,1,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW404	MW40	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW404	MW40	1,1-DICHLOROETHANE	SW8260	2 J		UG/L	10
MW404	MW40	1,2-DICHLOROETHANE	SW8260	2 J		UG/L	10
MW404	MW40	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW404	MW40	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	105		UG/L	0
MW404	MW40	2-HEXANONE	SW8260	10 U		UG/L	10
MW404	MW40	ACETONE	SW8260	10 U		UG/L	10
MW404	MW40	BENZENE	SW8260	10 U		UG/L	10
MW404	MW40	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW404	MW40	BROMOFORM	SW8260	10 U		UG/L	10
MW404	MW40	BROMOMETHANE	SW8260	10 U		UG/L	10
MW404	MW40	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW404	MW40	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW404	MW40	CHLOROBENZENE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW40A	MW40	CHLOROETHANE	SW8260	10 U		UG/L	10
MW40A	MW40	CHLOROFORM	SW8260	10 U		UG/L	10
MW40A	MW40	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW40A	MW40	GB-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW40A	MW40	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW40A	MW40	DIBROMOFLUOROMETHANE	SW8260	97		UG/L	0
MW40A	MW40	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW40A	MW40	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW40A	MW40	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW40A	MW40	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW40A	MW40	STYRENE	SW8260	10 U		UG/L	10
MW40A	MW40	TETRACHLOROETHYLENE (PCE)	SW8260	10 U		UG/L	10
MW40A	MW40	TOLUENE	SW8260	10 U		UG/L	10
MW40A	MW40	TOLUENE-D8	SW8260	104		UG/L	0
MW40A	MW40	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW40A	MW40	Total Xylenes	SW8260	10 U		UG/L	10
MW40A	MW40	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW40A	MW40	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW40A	MW40	VINYL CHLORIDE	SW9056	38.1		MG/L	0.1
MW40A	MW40	CHLORIDE (AS CL)	SW9056	41.8		MG/L	0.1
MW40A	MW40	SULFATE (AS SO4)	SW3810	0.68 U		UG/L	0.68
MW41A	MW41	ETHANE	SW3810	0.72 U		UG/L	0.72
MW41A	MW41	ETHENE	SW3810	0.36 U		UG/L	0.36
MW41A	MW41	METHANE	SW6010	1.7 U		UG/L	1.7
MW41A	MW41	ANTIMONY	SW6010	1.4 U		UG/L	1.4
MW41A	MW41	ARSENIC	SW6010	0.05 U		UG/L	0.025
MW41A	MW41	BERYLLIUM	SW6010	2.7 J		UG/L	0.085
MW41A	MW41	CADMIUM	SW6010	3.6 J		UG/L	1
MW41A	MW41	CHROMIUM TOTAL	SW6010	18.1 J		UG/L	1
MW41A	MW41	COPPER	SW6010	1.4 J		UG/L	1.3
MW41A	MW41	LEAD	SW6010	0.3 U		UG/L	0.3
MW41A	MW41	NICKEL	SW6010	1.6 U		UG/L	1.6
MW41A	MW41	SELENIUM	SW6010	0.5 U		UG/L	0.5
MW41A	MW41	SILVER	SW6010	1.6 U		UG/L	1.6
MW41A	MW41	THALIUM	SW6010	15.8 J		UG/L	1.1
MW41A	MW41	ZINC	SW7470	0.1 U		UG/L	0.1
MW41A	MW41	MERCURY	SW8260	10 U		UG/L	10
MW41A	MW41	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW41A	MW41	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW41A	MW41	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW41A	MW41	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW41A	MW41	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW41A	MW41	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW414	MW41	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW414	MW41	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	100		UG/L	0
MW414	MW41	2-HEXANONE	SW8260	10 U		UG/L	10
MW414	MW41	ACETONE	SW8260	10 U		UG/L	10
MW414	MW41	BENZENE	SW8260	10 U		UG/L	10
MW414	MW41	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW414	MW41	BROMOFORM	SW8260	10 U		UG/L	10
MW414	MW41	BROMOMETHANE	SW8260	10 U		UG/L	10
MW414	MW41	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW414	MW41	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW414	MW41	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW414	MW41	CHLOROETHANE	SW8260	10 U		UG/L	10
MW414	MW41	CHLOROFORM	SW8260	10 U		UG/L	10
MW414	MW41	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW414	MW41	cis-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW414	MW41	DI-BROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW414	MW41	DI-BROMOFLUOROMETHANE	SW8260	94		UG/L	0
MW414	MW41	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW414	MW41	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW414	MW41	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW414	MW41	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW414	MW41	STYRENE	SW8260	10 U		UG/L	10
MW414	MW41	TETRACHLOROETHYLENE(PCE)	SW8260	10 U		UG/L	10
MW414	MW41	TOLUENE	SW8260	10 U		UG/L	10
MW414	MW41	TOLUENE-D8	SW8260	104		UG/L	0
MW414	MW41	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW414	MW41	Total Xylenes	SW8260	10 U		UG/L	10
MW414	MW41	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW414	MW41	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW414	MW41	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW424	MW42	ETHANE	SW3810	0.63 U		UG/L	0.63
MW424	MW42	ETHENE	SW3810	0.67 U		UG/L	0.67
MW424	MW42	METHANE	SW3810	0.33 U		UG/L	0.33
MW424	MW42	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW424	MW42	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW424	MW42	BERYLLIUM	SW6010	0.07 U		UG/L	0.025
MW424	MW42	CADMIUM	SW6010	2.9 U		UG/L	0.085
MW424	MW42	CHROMIUM TOTAL	SW6010	3.2 U		UG/L	1
MW424	MW42	COPPER	SW6010	4 U		UG/L	1
MW424	MW42	LEAD	SW6010	1.3 U		UG/L	1.3
MW424	MW42	NICKEL	SW6010	3.3 U		UG/L	0.32
MW424	MW42	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW424	MW42	SILVER	SW6010	0.5 U		UG/L	0.5

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW424	MW42	THALLIUM	SW8210	1.0U		UG/L	1.6
MW424	MW42	ZINC	SW8210	15.2U		UG/L	1.1
MW424	MW42	MERCURY	SW7470	0.11U		UG/L	0.1
MW424	MW42	1,1,1-TRICHLOROETHANE	SW8260	10U		UG/L	10
MW424	MW42	1,1,2-TETRACHLOROETHANE	SW8260	10U		UG/L	10
MW424	MW42	1,1,2-TRICHLOROETHANE	SW8260	10U		UG/L	10
MW424	MW42	1,1-DICHLOROETHANE	SW8260	10U		UG/L	10
MW424	MW42	1,1-DICHLOROETHANE	SW8260	10U		UG/L	10
MW424	MW42	1,2-DICHLOROETHANE	SW8260	10U		UG/L	10
MW424	MW42	1,2-DICHLOROPROPANE	SW8260	98		UG/L	0
MW424	MW42	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	10U		UG/L	10
MW424	MW42	2-HEXANONE	SW8260	10U		UG/L	10
MW424	MW42	ACETONE	SW8260	10U		UG/L	10
MW424	MW42	BENZENE	SW8260	10U		UG/L	10
MW424	MW42	BROMOCHLOROMETHANE	SW8260	10U		UG/L	10
MW424	MW42	BROMOFORM	SW8260	10U		UG/L	10
MW424	MW42	BROMOMETHANE	SW8260	10U		UG/L	10
MW424	MW42	CARBON DISULFIDE	SW8260	10U		UG/L	10
MW424	MW42	CARBON TETRACHLORIDE	SW8260	10U		UG/L	10
MW424	MW42	CHLOROBENZENE	SW8260	10U		UG/L	10
MW424	MW42	CHLOROETHANE	SW8260	10U		UG/L	10
MW424	MW42	CHLOROFORM	SW8260	10U		UG/L	10
MW424	MW42	CHLOROMETHANE	SW8260	10U		UG/L	10
MW424	MW42	CS-1,3-DICHLOROPROPENE	SW8260	10U		UG/L	10
MW424	MW42	DIBROMOCHLOROMETHANE	SW8260	10U		UG/L	10
MW424	MW42	DIBROMOFLUOROMETHANE	SW8260	101		UG/L	0
MW424	MW42	ETHYLBENZENE	SW8260	10U		UG/L	10
MW424	MW42	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10U		UG/L	10
MW424	MW42	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10U		UG/L	10
MW424	MW42	METHYLENE CHLORIDE	SW8260	10U		UG/L	10
MW424	MW42	STYRENE	SW8260	10U		UG/L	10
MW424	MW42	TETRA CHLOROETHYLENE (PCE)	SW8260	10U		UG/L	10
MW424	MW42	TOLUENE	SW8260	103		UG/L	0
MW424	MW42	TOLUENE-D8	SW8260	10U		UG/L	10
MW424	MW42	TOTAL 1,2-DICHLOROETHENE	SW8260	10U		UG/L	10
MW424	MW42	Total Xylenes	SW8260	10U		UG/L	10
MW424	MW42	trans-1,3-DICHLOROPROPENE	SW8260	10U		UG/L	10
MW424	MW42	TRICHLOROETHYLENE (TCE)	SW8260	10U		UG/L	10
MW424	MW42	VINYL CHLORIDE	SW8260	10U		UG/L	10
MW424D	MW42	ANTIMONY	SW6010	1.7U		UG/L	1.7
MW424D	MW42	ARSENIC	SW6010	2U		UG/L	1.4
MW424D	MW42	BERYLLIUM	SW6010	0.08U		UG/L	0.025
MW424D	MW42	CADMIUM	SW6010	1.7U		UG/L	0.085

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW424D	MW42	CHROMIUM TOTAL	SW6010	2.3 U		UG/L	1
MW424D	MW42	COPPER	SW6010	2.6 U		UG/L	1
MW424D	MW42	LEAD	SW6010	1.3 U		UG/L	1.3
MW424D	MW42	NICKEL	SW6010	5.1 U		UG/L	0.32
MW424D	MW42	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW424D	MW42	SILVER	SW6010	0.5 U		UG/L	0.5
MW424D	MW42	THALLIUM	SW6010	3.4 U		UG/L	1.6
MW424D	MW42	ZINC	SW6010	20.4 U		UG/L	1.1
MW424D	MW42	MERCURY	SW7470	0.1 U		UG/L	0.1
MW444	MW44	ETHANE	SW3810	0.79 U		UG/L	0.79
MW444	MW44	METHANE	SW3810	0.82 U		UG/L	0.82
MW444	MW44	ANTIMONY	SW6010	0.4 U		UG/L	0.4
MW444	MW44	ARSENIC	SW6010	1.7 U		UG/L	1.7
MW444	MW44	BERYLLIUM	SW6010	1.4 U		UG/L	1.4
MW444	MW44	CADMIUM	SW6010	0.16 U		UG/L	0.025
MW444	MW44	CHROMIUM TOTAL	SW6010	0.84 U		UG/L	0.085
MW444	MW44	COPPER	SW6010	4.9 U		UG/L	1
MW444	MW44	LEAD	SW6010	6.2 U		UG/L	1
MW444	MW44	NICKEL	SW6010	1.3 U		UG/L	1.3
MW444	MW44	SELENIUM	SW6010	2.3 U		UG/L	0.32
MW444	MW44	SILVER	SW6010	1.6 U		UG/L	1.6
MW444	MW44	THALLIUM	SW6010	0.5 U		UG/L	0.5
MW444	MW44	ZINC	SW6010	2.4 U		UG/L	1.6
MW444	MW44	MERCURY	SW7470	14.7 U		UG/L	1.1
MW444	MW44	1,1,1-TRICHLOROETHANE	SW8260	0.1 U		UG/L	0.1
MW444	MW44	1,1,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW444	MW44	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW444	MW44	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW444	MW44	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW444	MW44	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW444	MW44	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	103		UG/L	0
MW444	MW44	2-HEXANONE	SW8260	10 U		UG/L	10
MW444	MW44	ACETONE	SW8260	10 U		UG/L	10
MW444	MW44	BENZENE	SW8260	10 U		UG/L	10
MW444	MW44	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW444	MW44	BROMOFORM	SW8260	10 U		UG/L	10
MW444	MW44	BROMOMETHANE	SW8260	10 U		UG/L	10
MW444	MW44	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW444	MW44	CARBON TETRACHLORIDE	SW8260	4 U		UG/L	10
MW444	MW44	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW444	MW44	CHLOROETHANE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW444	MW44	CHLOROFORM	SW8260	4 U		UG/L	10
MW444	MW44	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW444	MW44	CS-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW444	MW44	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW444	MW44	DIBROMOFLUOROMETHANE	SW8260	103		UG/L	0
MW444	MW44	ETHYLENE	SW8260	10 U		UG/L	10
MW444	MW44	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW444	MW44	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW444	MW44	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW444	MW44	STYRENE	SW8260	10 U		UG/L	10
MW444	MW44	TETRACHLOROETHYLENE(PCE)	SW8260	10 U		UG/L	10
MW444	MW44	TOLUENE	SW8260	10 U		UG/L	10
MW444	MW44	TOLUENE-D8	SW8260	100		UG/L	0
MW444	MW44	TOTAL 1,2-DICHLOROETHENE	SW8260	1 U		UG/L	10
MW444	MW44	Total Xylenes	SW8260	10 U		UG/L	10
MW444	MW44	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW444	MW44	TRICHLOROETHYLENE (TCE)	SW8260	3 U		UG/L	10
MW444	MW44	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW444	MW44	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW444	MW44	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW444	MW44	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW444	MW44	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW444	MW44	2,2'-OXYBIS(1-CHLOROPROPANE)	SW8270	10 U		UG/L	10
MW444	MW44	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW444	MW44	2,4,6-TRIBROMOPHENOL	SW8270	66		UG/L	0
MW444	MW44	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW444	MW44	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW444	MW44	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW444	MW44	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW444	MW44	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW444	MW44	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW444	MW44	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW444	MW44	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW444	MW44	2-FLUOROPHENYL	SW8270	66		UG/L	0
MW444	MW44	2-FLUOROPHENOL	SW8270	56		UG/L	0
MW444	MW44	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW444	MW44	2-METHYLPHENOL (o-CRESOL)	SW8270	10 U		UG/L	10
MW444	MW44	2-NITROANILINE	SW8270	50 U		UG/L	50
MW444	MW44	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW444	MW44	3,3'-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW444	MW44	3-NITROANILINE	SW8270	50 U		UG/L	50
MW444	MW44	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW444	MW44	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detect/Conc Limit
MW444	MW44	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW444	MW44	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW444	MW44	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW444	MW44	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW444	MW44	4-NITROANILINE	SW8270	50 U		UG/L	50
MW444	MW44	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW444	MW44	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW444	MW44	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW444	MW44	ANTHRACENE	SW8270	10 U		UG/L	10
MW444	MW44	BENZO(a)ANTHRACENE	SW8270	10 U		UG/L	10
MW444	MW44	BENZO(b)PYRENE	SW8270	10 U		UG/L	10
MW444	MW44	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW444	MW44	BENZO(a)FLUORANTHENE	SW8270	10 U		UG/L	10
MW444	MW44	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW444	MW44	1,2-DICHLOROETHANE	SW8270	10 U		UG/L	10
MW444	MW44	1,2-DICHLOROETHYL ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW444	MW44	1,2-DICHLOROETHYL PHTHALATE	SW8270	2 J		UG/L	10
MW444	MW44	CARBAZOLE	SW8270	10 U		UG/L	10
MW444	MW44	CHRYSENE	SW8270	10 U		UG/L	10
MW444	MW44	DI-n-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW444	MW44	DI-n-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW444	MW44	DIBENZO(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW444	MW44	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW444	MW44	DIEHYL PHTHALATE	SW8270	10 U		UG/L	10
MW444	MW44	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW444	MW44	FLUORANTHENE	SW8270	10 U		UG/L	10
MW444	MW44	FLUORENE	SW8270	10 U		UG/L	10
MW444	MW44	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW444	MW44	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW444	MW44	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW444	MW44	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW444	MW44	INDENOL(1,2,3-c-d)PYRENE	SW8270	10 U		UG/L	10
MW444	MW44	ISOPHORONE	SW8270	10 U		UG/L	10
MW444	MW44	N-NITROSO-n-PROPYLAMINE	SW8270	10 U		UG/L	10
MW444	MW44	N-NITROSDIPHENYLAMINE	SW8270	10 U		UG/L	10
MW444	MW44	NAPHTHALENE	SW8270	10 U		UG/L	10
MW444	MW44	NITROBENZENE	SW8270	10 U		UG/L	10
MW444	MW44	NITROBENZENE-d5	SW8270	76		UG/L	76
MW444	MW44	PENTACHLOROPHENOL	SW8270	5 U		UG/L	5
MW444	MW44	PHENANTHRENE	SW8270	10 U		UG/L	10
MW444	MW44	PHENOL	SW8270	10 U		UG/L	10
MW444	MW44	PHENOL-d5	SW8270	64		UG/L	64

DDMT March 1998  
4th Quarter Groundwater Analytical Results

File Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW44A	MW44	PYRENE	SW8270	10 U		UG/L	10
MW44A	MW44	TERPHENYL-D14	SW8270	37		UG/L	0
MW44D	MW44	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW44D	MW44	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW44D	MW44	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW44D	MW44	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW44D	MW44	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW44D	MW44	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW44D	MW44	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW44D	MW44	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	10 U		UG/L	0
MW44D	MW44	2-HEXANONE	SW8260	10 U		UG/L	10
MW44D	MW44	ACETONE	SW8260	10 U		UG/L	10
MW44D	MW44	BENZENE	SW8260	10 U		UG/L	10
MW44D	MW44	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW44D	MW44	BROMOFORM	SW8260	10 U		UG/L	10
MW44D	MW44	BROMOMETHANE	SW8260	10 U		UG/L	10
MW44D	MW44	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW44D	MW44	CARBON TETRACHLORIDE	SW8260	5 J		UG/L	10
MW44D	MW44	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW44D	MW44	CHLOROETHANE	SW8260	10 U		UG/L	10
MW44D	MW44	CHLOROFORM	SW8260	5 J		UG/L	10
MW44D	MW44	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW44D	MW44	CS-1,3-DICHLOROPROFENE	SW8260	10 U		UG/L	10
MW44D	MW44	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW44D	MW44	DIBROMOFUOROMETHANE	SW8260	102		UG/L	0
MW44D	MW44	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW44D	MW44	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW44D	MW44	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW44D	MW44	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW44D	MW44	STYRENE	SW8260	10 U		UG/L	10
MW44D	MW44	TETRACHLOROETHYLENE(PCE)	SW8260	10 U		UG/L	10
MW44D	MW44	TOLUENE	SW8260	10 U		UG/L	10
MW44D	MW44	TOLUENE-DB	SW8260	104		UG/L	0
MW44D	MW44	TOTAL 1,2-DICHLOROETHENE	SW8260	1 J		UG/L	10
MW44D	MW44	Total Xylenes	SW8260	10 U		UG/L	10
MW44D	MW44	TRANS-1,3-DICHLOROPROFENE	SW8260	10 U		UG/L	10
MW44D	MW44	TRICHLOROETHYLENE (TCE)	SW8260	4 J		UG/L	10
MW44D	MW44	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW45A	MW45	ALUMINUM	SW6010	50		UG/L	7.5
MW45A	MW45	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW45A	MW45	ARSENIC	SW6010	2.4 U		UG/L	1.4
MW45A	MW45	BARIUM	SW6010	50 J		UG/L	0.45
MW45A	MW45	BERYLLIUM	SW6010	0.14 U		UG/L	0.025

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quarter	Units	Detection Limit
MW454	MW45	CADMIUM	SW6010	0.41 J		UG/L	0.085
MW454	MW45	CALCIUM	SW6010	23900 =		UG/L	23.7
MW454	MW45	CHROMIUM TOTAL	SW6010	6.8 U		UG/L	1
MW454	MW45	COBALT	SW6010	0.82 U		UG/L	0.5
MW454	MW45	COPPER	SW6010	2.7 U		UG/L	1
MW454	MW45	IRON	SW6010	2820 =		UG/L	3.6
MW454	MW45	LEAD	SW6010	1.3 U		UG/L	1.3
MW454	MW45	MAGNESIUM	SW6010	13100 =		UG/L	6.2
MW454	MW45	MANGANESE	SW6010	9.9 J		UG/L	0.53
MW454	MW45	NICKEL	SW6010	1.7 U		UG/L	0.32
MW454	MW45	POTASSIUM	SW6010	1070 J		UG/L	824.5
MW454	MW45	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW454	MW45	SILVER	SW6010	0.5 U		UG/L	0.5
MW454	MW45	SODIUM	SW6010	13100 =		UG/L	14.2
MW454	MW45	THALLIUM	SW6010	1.6 U		UG/L	1.6
MW454	MW45	VANADIUM	SW6010	2.3 J		UG/L	0.31
MW454	MW45	ZINC	SW6010	8.9 U		UG/L	1.1
MW454	MW45	MERCURY	SW7470	0.1 U		UG/L	0.1
MW454	MW45	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW454	MW45	1,1,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW454	MW45	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW454	MW45	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW454	MW45	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW454	MW45	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW454	MW45	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW454	MW45	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	103		UG/L	0
MW454	MW45	2-HEXANONE	SW8260	10 U		UG/L	10
MW454	MW45	ACETONE	SW8260	10 U		UG/L	10
MW454	MW45	BENZENE	SW8260	10 U		UG/L	10
MW454	MW45	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW454	MW45	BROMOFORM	SW8260	10 U		UG/L	10
MW454	MW45	BROMOMETHANE	SW8260	10 U		UG/L	10
MW454	MW45	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW454	MW45	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW454	MW45	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW454	MW45	CHLOROETHANE	SW8260	10 U		UG/L	10
MW454	MW45	CHLOROFORM	SW8260	10 U		UG/L	10
MW454	MW45	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW454	MW45	CH-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW454	MW45	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW454	MW45	DIBROMOFLUOROMETHANE	SW8260	104		UG/L	0
MW454	MW45	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW454	MW45	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Acetyls Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW454	MW45	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW454	MW45	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW454	MW45	STYRENE	SW8260	10 U		UG/L	10
MW454	MW45	TETRACHLOROETHYLENE (PCE)	SW8260	10 U		UG/L	10
MW454	MW45	TOLUENE	SW8260	10 U		UG/L	10
MW454	MW45	TOLUENE-D8	SW8260	10%		UG/L	0
MW454	MW45	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW454	MW45	Total Xylenes	SW8260	10 U		UG/L	10
MW454	MW45	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW454	MW45	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW454	MW45	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW454	MW45	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW454	MW45	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW454	MW45	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW454	MW45	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW454	MW45	2,2'-OXYBIS(1-CHLOROPROPANE)	SW8270	10 U		UG/L	10
MW454	MW45	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW454	MW45	2,4,6-TRIBROMOPHENOL	SW8270	75		UG/L	0
MW454	MW45	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW454	MW45	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW454	MW45	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW454	MW45	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW454	MW45	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW454	MW45	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW454	MW45	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW454	MW45	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW454	MW45	2-FLUOROPHENYL	SW8270	74		UG/L	0
MW454	MW45	2-FLUOROPHENOL	SW8270	58		UG/L	0
MW454	MW45	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW454	MW45	2-METHYLPHENOL (o-CRESOL)	SW8270	10 U		UG/L	10
MW454	MW45	2-NITROANILINE	SW8270	50 U		UG/L	50
MW454	MW45	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW454	MW45	3,3-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW454	MW45	3-NITROANILINE	SW8270	50 U		UG/L	50
MW454	MW45	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW454	MW45	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW454	MW45	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW454	MW45	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW454	MW45	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW454	MW45	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW454	MW45	4-NITROANILINE	SW8270	50 U		UG/L	50
MW454	MW45	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW454	MW45	ACENAPHTHENE	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW454	MW45	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW454	MW45	ANTHRACENE	SW8270	10 U		UG/L	10
MW454	MW45	BENZOXANTHRACENE	SW8270	10 U		UG/L	10
MW454	MW45	BENZOPYRENE	SW8270	10 U		UG/L	10
MW454	MW45	BENZOFLUORANTHENE	SW8270	10 U		UG/L	10
MW454	MW45	BENZOPERYLENE	SW8270	10 U		UG/L	10
MW454	MW45	BENZOFURANTHRENE	SW8270	10 U		UG/L	10
MW454	MW45	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW454	MW45	BIS(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW454	MW45	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW454	MW45	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270	10 U		UG/L	10
MW454	MW45	CARBAZOLE	SW8270	10 U		UG/L	10
MW454	MW45	CHRYSENE	SW8270	10 U		UG/L	10
MW454	MW45	DI-n-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW454	MW45	DI-n-OCYL PHTHALATE	SW8270	10 U		UG/L	10
MW454	MW45	DIBENZ(a,d)ANTHRACENE	SW8270	10 U		UG/L	10
MW454	MW45	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW454	MW45	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW454	MW45	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW454	MW45	FLUORENE	SW8270	10 U		UG/L	10
MW454	MW45	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW454	MW45	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW454	MW45	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW454	MW45	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW454	MW45	INDEN(1,2,3-c,d)PYRENE	SW8270	10 U		UG/L	10
MW454	MW45	ISOPHORONE	SW8270	10 U		UG/L	10
MW454	MW45	N-NITROSO-n-PROPYLAMINE	SW8270	10 U		UG/L	10
MW454	MW45	N-NITROSDIPHENYLAMINE	SW8270	10 U		UG/L	10
MW454	MW45	NAPHTHALENE	SW8270	10 U		UG/L	10
MW454	MW45	NITROBENZENE	SW8270	10 U		UG/L	10
MW454	MW45	NITROBENZENE-O5	SW8270	75		UG/L	10
MW454	MW45	PENTACHLOROPHENOL	SW8270	50		UG/L	10
MW454	MW45	PHENANTHRENE	SW8270	10 U		UG/L	10
MW454	MW45	PHENOL	SW8270	10 U		UG/L	10
MW454	MW45	PHENOL-O5	SW8270	64		UG/L	10
MW454	MW45	PYRENE	SW8270	10 U		UG/L	10
MW454	MW45	TERPHENYL-D14	SW8270	76		UG/L	10
MW454D	MW45	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW454D	MW45	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW454D	MW45	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW454D	MW45	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW454D	MW45	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameters	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW454D	MW45	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW454D	MW45	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW454D	MW45	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	100		UG/L	0
MW454D	MW45	2-HEXANONE	SW8260	10 U		UG/L	10
MW454D	MW45	ACETONE	SW8260	10 U		UG/L	10
MW454D	MW45	BENZENE	SW8260	10 U		UG/L	10
MW454D	MW45	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW454D	MW45	BROMOFORM	SW8260	10 U		UG/L	10
MW454D	MW45	BROMOMETHANE	SW8260	10 U		UG/L	10
MW454D	MW45	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW454D	MW45	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW454D	MW45	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW454D	MW45	CHLOROETHANE	SW8260	10 U		UG/L	10
MW454D	MW45	CHLOROFORM	SW8260	10 U		UG/L	10
MW454D	MW45	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW454D	MW45	cis-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW454D	MW45	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW454D	MW45	DIBROMOFLUOROMETHANE	SW8260	102		UG/L	0
MW454D	MW45	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW454D	MW45	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW454D	MW45	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW454D	MW45	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW454D	MW45	STYRENE	SW8260	10 U		UG/L	10
MW454D	MW45	TETRACHLOROETHYLENE(PCE)	SW8260	10 U		UG/L	10
MW454D	MW45	TOLUENE	SW8260	10 U		UG/L	10
MW454D	MW45	TOLUENE-D8	SW8260	107		UG/L	0
MW454D	MW45	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW454D	MW45	Total Xylenes	SW8260	10 U		UG/L	10
MW454D	MW45	TRANS-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW454D	MW45	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW454D	MW45	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW464	MW46	ALUMINUM	SW6010	48.5 J		UG/L	7.9
MW464	MW46	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW464	MW46	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW464	MW46	BARIUM	SW6010	79.6 J		UG/L	0.48
MW464	MW46	BERYLLIUM	SW6010	0.06 U		UG/L	0.025
MW464	MW46	CADMIUM	SW6010	0.1 U		UG/L	0.1
MW464	MW46	CALCIUM	SW6010	16600 =		UG/L	23.7
MW464	MW46	CHROMIUM, TOTAL	SW6010	1.4 J		UG/L	
MW464	MW46	COBALT	SW6010	0.5 U		UG/L	0.5
MW464	MW46	COPPER	SW6010	1 U		UG/L	1
MW464	MW46	IRON	SW6010	287 J		UG/L	3.6
MW464	MW46	LEAD	SW6010	1.3 U		UG/L	1.3

291 286

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW464	MW46	MAGNESIUM	SW6010	6590 =		UG/L	6.2
MW464	MW46	MANGANESE	SW6010	2.3 J		UG/L	0.53
MW464	MW46	NICKEL	SW6010	0.3 U		UG/L	0.3
MW464	MW46	POTASSIUM	SW6010	1330 J		UG/L	824.5
MW464	MW46	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW464	MW46	SILVER	SW6010	0.5 U		UG/L	0.5
MW464	MW46	SODIUM	SW6010	26300 =		UG/L	1142
MW464	MW46	THALLIUM	SW6010	1.6 U		UG/L	1.6
MW464	MW46	VANADIUM	SW6010	0.4 J		UG/L	0.31
MW464	MW46	ZINC	SW6010	1.1 U		UG/L	1.1
MW464	MW46	MERCURY	SW7470	0.1 U		UG/L	0.1
MW464	MW46	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW464	MW46	1,1,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW464	MW46	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW464	MW46	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW464	MW46	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW464	MW46	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW464	MW46	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	105		UG/L	0
MW464	MW46	2-HEXANONE	SW8260	10 U		UG/L	10
MW464	MW46	ACETONE	SW8260	10 U		UG/L	10
MW464	MW46	BENZENE	SW8260	10 U		UG/L	10
MW464	MW46	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW464	MW46	BROMOFORM	SW8260	10 U		UG/L	10
MW464	MW46	BROMOMETHANE	SW8260	10 U		UG/L	10
MW464	MW46	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW464	MW46	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW464	MW46	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW464	MW46	CHLOROETHANE	SW8260	10 U		UG/L	10
MW464	MW46	CHLOROFORM	SW8260	10 U		UG/L	10
MW464	MW46	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW464	MW46	GB-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW464	MW46	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW464	MW46	DIBROMOFLUOROMETHANE	SW8260	104		UG/L	0
MW464	MW46	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW464	MW46	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW464	MW46	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW464	MW46	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW464	MW46	STYRENE	SW8260	10 U		UG/L	10
MW464	MW46	TETRACHLOROETHYLENE(PEC)	SW8260	10 U		UG/L	10
MW464	MW46	TOLUENE	SW8260	10 U		UG/L	10
MW464	MW46	TOLUENE-D8	SW8260	106		UG/L	0
MW464	MW46	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW464	MW46	Total Xylenes	SW8260	10 U		UG/L	10
MW464	MW46	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW464	MW46	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW464	MW46	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW464	MW46	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW464	MW46	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW464	MW46	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW464	MW46	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW464	MW46	2,2-DYBIS(1-CHLORO)PROPANE	SW8270	10 U		UG/L	10
MW464	MW46	2,4,6-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW464	MW46	2,4,6-TRIBROMOPHENOL	SW8270	30		UG/L	0
MW464	MW46	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW464	MW46	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW464	MW46	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW464	MW46	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW464	MW46	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW464	MW46	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW464	MW46	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW464	MW46	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW464	MW46	2-FLUOROBIPHENYL	SW8270	79		UG/L	0
MW464	MW46	2-FLUOROPHENOL	SW8270	50		UG/L	0
MW464	MW46	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW464	MW46	2-METHYLPHENOL (o-CRESOL)	SW8270	10 U		UG/L	10
MW464	MW46	2-NITROANILINE	SW8270	50 U		UG/L	50
MW464	MW46	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW464	MW46	3,3-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW464	MW46	3-NITROANILINE	SW8270	50 U		UG/L	50
MW464	MW46	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW464	MW46	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW464	MW46	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW464	MW46	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW464	MW46	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW464	MW46	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW464	MW46	4-NITROANILINE	SW8270	50 U		UG/L	50
MW464	MW46	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW464	MW46	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW464	MW46	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW464	MW46	ANTHRACENE	SW8270	10 U		UG/L	10
MW464	MW46	BENZO(a)ANTHRACENE	SW8270	10 U		UG/L	10
MW464	MW46	BENZO(b)PYRENE	SW8270	10 U		UG/L	10
MW464	MW46	BENZO(b)FLUORANTHENE	SW8270	10 U		UG/L	10
MW464	MW46	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW464	MW46	BENZO(a)FLUORANTHENE	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID #	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW464	MW46	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW464	MW46	DB(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW464	MW46	DB(2-CHLOROETHYL) ETHER (2-C-HLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW464	MW46	DB(2-ETHYLHEXYL) PHTHALATE	SW8270	10 U		UG/L	10
MW464	MW46	CARBAZOLE	SW8270	10 U		UG/L	10
MW464	MW46	CHRYSENE	SW8270	10 U		UG/L	10
MW464	MW46	DI-N-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW464	MW46	DI-N-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW464	MW46	DIBENZ(G,I)ANTHRACENE	SW8270	10 U		UG/L	10
MW464	MW46	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW464	MW46	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW464	MW46	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW464	MW46	FLUORANTHENE	SW8270	10 U		UG/L	10
MW464	MW46	FLUORENE	SW8270	10 U		UG/L	10
MW464	MW46	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW464	MW46	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW464	MW46	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW464	MW46	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW464	MW46	INDENO(1,2,3-c,d)PYRENE	SW8270	10 U		UG/L	10
MW464	MW46	ISOPHORONE	SW8270	10 U		UG/L	10
MW464	MW46	N-NITROSODI-n-PROPYLAMINE	SW8270	10 U		UG/L	10
MW464	MW46	N-NITROSODIPHENYLAMINE	SW8270	10 U		UG/L	10
MW464	MW46	NAPHTHALENE	SW8270	10 U		UG/L	10
MW464	MW46	NITROBENZENE	SW8270	10 U		UG/L	10
MW464	MW46	NITROBENZENE D5	SW8270	89		UG/L	0
MW464	MW46	PENTACHLOROPHENOL	SW8270	5 U		UG/L	5
MW464	MW46	PHENANTHRENE	SW8270	10 U		UG/L	10
MW464	MW46	PHENOL	SW8270	10 U		UG/L	10
MW464	MW46	PHENOL-D5	SW8270	68		UG/L	0
MW464	MW46	PYRENE	SW8270	10 U		UG/L	10
MW464	MW46	TERPHENYL-D14	SW8270	80		UG/L	0
MW474	MW47	NITROGEN, AMMONIA (AS N)	E350.2	0.2 U		MG/L	0.2
MW474	MW47	NITROGEN, NITRAE-NITRITE	E353.2	2.07 U		MG/L	0.1
MW474	MW47	TOTAL ORGANIC CARBON	E415.2	1 U		MG/L	1
MW474	MW47	ETHANE	SW3810	0.81 U		UG/L	0.81
MW474	MW47	ETHENE	SW3810	0.84 U		UG/L	0.84
MW474	MW47	METHANE	SW3810	1.01 U		UG/L	0.31
MW474	MW47	ALUMINIUM	SW6010	32.2 U		UG/L	7.9
MW474	MW47	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW474	MW47	ARSENIC	SW6010	1.9 U		UG/L	1.4
MW474	MW47	BARIUM	SW6010	84.6 U		UG/L	0.46
MW474	MW47	BERYLLIUM	SW6010	0.02 U		UG/L	0.02
MW474	MW47	CADMIUM	SW6010	0.1 U		UG/L	0.1

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID #	Station ID #	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW47A	MW47	CALCIUM	SW6010	20600 =		UG/L	23.7
MW47A	MW47	CHROMIUM TOTAL	SW6010	3.5 J		UGA	1
MW47A	MW47	COBALT	SW6010	0.5 U		UG/L	0.5
MW47A	MW47	COPPER	SW6010	2 U		UG/L	1
MW47A	MW47	IRON	SW6010	212 U		UG/L	3.6
MW47A	MW47	LEAD	SW6010	1.3 U		UG/L	1.3
MW47A	MW47	MAGNESIUM	SW6010	10400 =		UG/L	6.2
MW47A	MW47	MANGANESE	SW6010	5.9 J		UG/L	0.53
MW47A	MW47	NICKEL	SW6010	0.3 V		UG/L	0.3
MW47A	MW47	POTASSIUM	SW6010	824 U		UG/L	824
MW47A	MW47	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW47A	MW47	SILVER	SW6010	0.5 U		UG/L	0.5
MW47A	MW47	SODIUM	SW6010	20900 =		UG/L	114.2
MW47A	MW47	THALLIUM	SW6010	2.1 U		UG/L	1.6
MW47A	MW47	VANADIUM	SW6010	0.47 J		UG/L	0.31
MW47A	MW47	ZINC	SW6010	9.6 U		UG/L	1.1
MW47A	MW47	MERCURY	SW7470	0.1 U		UG/L	0.1
MW47A	MW47	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW47A	MW47	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW47A	MW47	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW47A	MW47	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW47A	MW47	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW47A	MW47	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW47A	MW47	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW47A	MW47	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW47A	MW47	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	107		UG/L	0
MW47A	MW47	2-HEXANONE	SW8260	10 U		UG/L	10
MW47A	MW47	ACETONE	SW8260	10 U		UG/L	10
MW47A	MW47	BENZENE	SW8260	10 U		UG/L	10
MW47A	MW47	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW47A	MW47	BROMOFORM	SW8260	10 U		UG/L	10
MW47A	MW47	BROMOMETHANE	SW8260	10 U		UG/L	10
MW47A	MW47	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW47A	MW47	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW47A	MW47	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW47A	MW47	CHLOROETHANE	SW8260	10 U		UG/L	10
MW47A	MW47	CHLOROFORM	SW8260	10 U		UG/L	10
MW47A	MW47	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW47A	MW47	1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW47A	MW47	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW47A	MW47	DIBROMOFLUOROMETHANE	SW8260	10 U		UG/L	10
MW47A	MW47	ETHYLBENZENE	SW8260	99		UG/L	0
MW47A	MW47	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW47A	MW47	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW47A	MW47	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quantities	Units	Detection Limit
MW474	MW47	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW474	MW47	STYRENE	SW8260	10 U		UG/L	10
MW474	MW47	TETRACHLOROETHYLENE (PCE)	SW8260	14 =		UG/L	10
MW474	MW47	TOLUENE	SW8260	10 U		UG/L	10
MW474	MW47	TOLUENE-DB	SW8260	106		UG/L	10
MW474	MW47	TOTAL 1,2-DICHLOROETHENE	SW8260	9 J		UG/L	10
MW474	MW47	Total Xylenes	SW8260	10 U		UG/L	10
MW474	MW47	m,p-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW474	MW47	TRICHLOROETHYLENE (TCE)	SW8260	6 J		UG/L	10
MW474	MW47	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW474	MW47	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW474	MW47	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW474	MW47	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW474	MW47	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW474	MW47	2,2-OXYBIS(1-CHLOROPROPANE)	SW8270	10 U		UG/L	10
MW474	MW47	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW474	MW47	2,4,6-TRIBROMOPHENOL	SW8270	53		UG/L	0
MW474	MW47	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW474	MW47	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW474	MW47	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW474	MW47	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW474	MW47	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW474	MW47	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW474	MW47	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW474	MW47	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW474	MW47	2-FLUOROBIPHENYL	SW8270	50		UG/L	0
MW474	MW47	2-FLUOROPHENOL	SW8270	51		UG/L	0
MW474	MW47	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW474	MW47	2-METHYLPHENOL (o-CRESOL)	SW8270	10 U		UG/L	10
MW474	MW47	2-NITROANILINE	SW8270	50 U		UG/L	0
MW474	MW47	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW474	MW47	3,3-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW474	MW47	3-NITROANILINE	SW8270	50 U		UG/L	50
MW474	MW47	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW474	MW47	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW474	MW47	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW474	MW47	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW474	MW47	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW474	MW47	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW474	MW47	4-NITROANILINE	SW8270	50 U		UG/L	50
MW474	MW47	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW474	MW47	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW474	MW47	ACENAPHTHYLENE	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Protect Quantifer	Units	Detection Limit
MW474	MW47	ANTHRACENE	SW8270	10 U		UG/L	10
MW474	MW47	BENZO(a)ANTHRACENE	SW8270	10 U		UG/L	10
MW474	MW47	BENZO(a)PYRENE	SW8270	10 U		UG/L	10
MW474	MW47	BENZO(b)FLUORANTHENE	SW8270	10 U		UG/L	10
MW474	MW47	BENZO(g,h,i)PERYLENE	SW8270	10 U		UG/L	10
MW474	MW47	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW474	MW47	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW474	MW47	bis(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW474	MW47	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW474	MW47	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10 U		UG/L	10
MW474	MW47	CARBAZOLE	SW8270	10 U		UG/L	10
MW474	MW47	CHRYSENE	SW8270	10 U		UG/L	10
MW474	MW47	D,n-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW474	MW47	D,n-OCYLPHTHALATE	SW8270	10 U		UG/L	10
MW474	MW47	DIBENZ(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW474	MW47	DIBENZO(f,h,i)ANTHRACENE	SW8270	10 U		UG/L	10
MW474	MW47	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW474	MW47	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW474	MW47	FLUORANTHENE	SW8270	10 U		UG/L	10
MW474	MW47	FLUORENE	SW8270	10 U		UG/L	10
MW474	MW47	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW474	MW47	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW474	MW47	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW474	MW47	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW474	MW47	INDENO(1,2,3-c,d)PYRENE	SW8270	10 U		UG/L	10
MW474	MW47	ISOPHORONE	SW8270	10 U		UG/L	10
MW474	MW47	N-NITROSO-D,L-PROPYLAMINE	SW8270	10 U		UG/L	10
MW474	MW47	N-NITROSO-DIPHENYLAMINE	SW8270	10 U		UG/L	10
MW474	MW47	NAPHTHALENE	SW8270	10 U		UG/L	10
MW474	MW47	NITROBENZENE	SW8270	10 U		UG/L	10
MW474	MW47	NITROBENZENE-D5	SW8270	62		UG/L	0
MW474	MW47	PENTACHLOROPHENOL	SW8270	5 U		UG/L	5
MW474	MW47	PHENANTHRENE	SW8270	10 U		UG/L	10
MW474	MW47	PHENOL	SW8270	10 U		UG/L	10
MW474	MW47	PHENOL-D5	SW8270	58		UG/L	0
MW474	MW47	PYRENE	SW8270	10 U		UG/L	10
MW474	MW47	TERPHENYL-O14	SW8270	54		UG/L	0
MW474	MW47	CHLORIDE (AS CL)	SW9056	31.3		MG/L	0.1
MW474	MW47	SULFATE (AS SO4)	SW9056	19.5		MG/L	0.1
MW484	MW48	NITROGEN, AMMONIA (AS N)	E350.2	0.2 U		MG/L	0.2
MW484	MW48	NITROGEN, NITRATE-NITRITE	E353.2	5.07		MG/L	0.25
MW484	MW48	TOTAL ORGANIC CARBON	E415.2	1 U		MG/L	1
MW484	MW48	ETHANE	SW5810	0.72 U		UG/L	0.72

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW484	MW48	ETHENE	SW3810	0.76 U		UG/L	0.76
MW484	MW48	METHANE	SW3810	0.38 U		UG/L	0.38
MW484	MW48	ALUMINUM	SW6010	16.9 J		UG/L	7.9
MW484	MW48	ANTIMONY	SW6010	1.8 J		UG/L	1.7
MW484	MW48	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW484	MW48	BARIUM	SW6010	83.9 J		UG/L	0.48
MW484	MW48	BERYLLIUM	SW6010	0.07 U		UG/L	0.025
MW484	MW48	CADMIUM	SW6010	0.1 U		UG/L	0.1
MW484	MW48	CALCIUM	SW6010	15400 =		UG/L	23.7
MW484	MW48	CHROMIUM, TOTAL	SW6010	2.2 J		UG/L	1
MW484	MW48	COBALT	SW6010	3.4 J		UG/L	0.5
MW484	MW48	COPPER	SW6010	1 U		UG/L	1
MW484	MW48	IRON	SW6010	3.6 U		UG/L	3.6
MW484	MW48	LEAD	SW6010	1.3 U		UG/L	1.3
MW484	MW48	MAGNESIUM	SW6010	8180 =		UG/L	6.2
MW484	MW48	MANAGANESE	SW6010	0.91 J		UG/L	0.93
MW484	MW48	NICKEL	SW6010	0.3 U		UG/L	0.3
MW484	MW48	POTASSIUM	SW6010	1040 J		UG/L	824.5
MW484	MW48	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW484	MW48	SILVER	SW6010	0.5 U		UG/L	0.5
MW484	MW48	SODIUM	SW6010	20200 =		UG/L	114.2
MW484	MW48	THALIUM	SW6010	1.4 U		UG/L	1.6
MW484	MW48	VANADIUM	SW6010	0.3 U		UG/L	0.3
MW484	MW48	ZINC	SW6010	4.1 J		UG/L	1.1
MW484	MW48	MERCURY	SW7470	0.1 U		UG/L	0.1
MW484	MW48	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW484	MW48	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW484	MW48	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW484	MW48	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW484	MW48	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW484	MW48	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW484	MW48	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	105		UG/L	0
MW484	MW48	2-HEXANONE	SW8260	10 U		UG/L	10
MW484	MW48	ACETONE	SW8260	10 U		UG/L	10
MW484	MW48	BENZENE	SW8260	10 U		UG/L	10
MW484	MW48	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW484	MW48	BROMOFORM	SW8260	10 U		UG/L	10
MW484	MW48	BROMOMETHANE	SW8260	10 U		UG/L	10
MW484	MW48	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW484	MW48	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW484	MW48	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW484	MW48	CHLOROETHANE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID #	Site ID #	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW484	MW48	CHLOROFORM	SW8260	10 U		UG/L	10
MW484	MW48	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW484	MW48	cis-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW484	MW48	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW484	MW48	DIBROMOFIUFOROMETHANE	SW8260	10 U		UG/L	10
MW484	MW48	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW484	MW48	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW484	MW48	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW484	MW48	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW484	MW48	STYRENE	SW8260	10 U		UG/L	10
MW484	MW48	TETRACHLOROETHYLENE(PCE)	SW8260	10 U		UG/L	10
MW484	MW48	TOLUENE	SW8260	10 U		UG/L	10
MW484	MW48	TOLUENE-D8	SW8260	10 U		UG/L	10
MW484	MW48	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW484	MW48	Total Xylenes	SW8260	10 U		UG/L	10
MW484	MW48	Trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW484	MW48	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW484	MW48	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW484	MW48	1,2,4-TRICHLOROBENZENE	SW8270	10 R		UG/L	10
MW484	MW48	1,2-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW484	MW48	1,3-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW484	MW48	1,4-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW484	MW48	2,2-DIMETHYL-CHLOROPROPANE	SW8270	10 R		UG/L	10
MW484	MW48	2,4,5-TRICHLOROPHENOL	SW8270	50 R		UG/L	50
MW484	MW48	2,4,6-TRIBROMOPHENOL	SW8270	7		UG/L	0
MW484	MW48	2,4,6-TRICHLOROPHENOL	SW8270	10 R		UG/L	10
MW484	MW48	2,4-DICHLOROPHENOL	SW8270	10 R		UG/L	10
MW484	MW48	2,4-DIMETHYLPHENOL	SW8270	10 R		UG/L	10
MW484	MW48	2,4-DINITROPHENOL	SW8270	50 R		UG/L	50
MW484	MW48	2,4-DINITROTOLUENE	SW8270	10 R		UG/L	10
MW484	MW48	2,6-DINITROTOLUENE	SW8270	10 R		UG/L	10
MW484	MW48	2-CHLORONAPHTHALENE	SW8270	10 R		UG/L	10
MW484	MW48	2-CHLOROPHENOL	SW8270	10 R		UG/L	10
MW484	MW48	2-FLUOROPHENYL	SW8270	79		UG/L	0
MW484	MW48	2-FLUOROPHENOL	SW8270	38		UG/L	0
MW484	MW48	2-METHYLNAPHTHALENE	SW8270	10 R		UG/L	10
MW484	MW48	2-METHYLPHENOL (O-CRESOL)	SW8270	10 R		UG/L	10
MW484	MW48	2-NITROANILINE	SW8270	50 R		UG/L	50
MW484	MW48	2-NITROPHENOL	SW8270	10 R		UG/L	10
MW484	MW48	3,3'-DICHLOROBENZIDINE	SW8270	20 R		UG/L	20
MW484	MW48	3-NITROANILINE	SW8270	50 R		UG/L	50
MW484	MW48	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 R		UG/L	50
MW484	MW48	4-BROMOPHENYL PHENYL ETHER	SW8270	10 R		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW484	MW48	4-CHLORO-3-METHYLPHENOL	SW8270	10 R		UG/L	10
MW484	MW48	4-CHLOROANILINE	SW8270	10 R		UG/L	10
MW484	MW48	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 R		UG/L	10
MW484	MW48	4-METHYLPHENOL (p-CRESOL)	SW8270	10 R		UG/L	10
MW484	MW48	4-NITROANILINE	SW8270	50 R		UG/L	50
MW484	MW48	4-NITROPHENOL	SW8270	50 R		UG/L	50
MW484	MW48	ACENAPHTHENE	SW8270	10 R		UG/L	10
MW484	MW48	ANTHRACENE	SW8270	10 R		UG/L	10
MW484	MW48	BENZOXANTHRACENE	SW8270	10 R		UG/L	10
MW484	MW48	BENZOPYRENE	SW8270	10 R		UG/L	10
MW484	MW48	BENZO(a)FLUORANTHENE	SW8270	10 R		UG/L	10
MW484	MW48	BENZO(a,h)PERYLENE	SW8270	10 R		UG/L	10
MW484	MW48	BENZO(a,i)FLUORANTHENE	SW8270	10 R		UG/L	10
MW484	MW48	BENZO(b)FLUORANTHENE	SW8270	10 R		UG/L	10
MW484	MW48	BENZO(k)FLUORANTHENE	SW8270	10 R		UG/L	10
MW484	MW48	BENZO(e,h)PHTHALATE	SW8270	10 R		UG/L	10
MW484	MW48	DB(2-CHLOROETHYL)ETHER (2-CHLOROETHYL ETHER)	SW8270	10 R		UG/L	10
MW484	MW48	DB(2-ETHYLHEXYL) PHTHALATE	SW8270	10 R		UG/L	10
MW484	MW48	CARBAZOLE	SW8270	10 R		UG/L	10
MW484	MW48	CHRYSENE	SW8270	10 R		UG/L	10
MW484	MW48	DI-n-BUTYL PHTHALATE	SW8270	10 R		UG/L	10
MW484	MW48	DI-n-OCYLPHTHALATE	SW8270	10 R		UG/L	10
MW484	MW48	DIBENZO(a,h)ANTHRACENE	SW8270	10 R		UG/L	10
MW484	MW48	DIBENZOFURAN	SW8270	10 R		UG/L	10
MW484	MW48	DIETHYL PHTHALATE	SW8270	10 R		UG/L	10
MW484	MW48	DIMETHYL PHTHALATE	SW8270	10 R		UG/L	10
MW484	MW48	FLUORANTHENE	SW8270	10 R		UG/L	10
MW484	MW48	FLUORENE	SW8270	10 R		UG/L	10
MW484	MW48	HEXACHLOROBENZENE	SW8270	10 R		UG/L	10
MW484	MW48	HEXACHLOROBUTADIENE	SW8270	10 R		UG/L	10
MW484	MW48	HEXACHLOROCYCLOPENTADIENE	SW8270	10 R		UG/L	10
MW484	MW48	HEXACHLOROETHANE	SW8270	10 R		UG/L	10
MW484	MW48	INDENO(1,2,3-c,d)PYRENE	SW8270	10 R		UG/L	10
MW484	MW48	ISOPHORONE	SW8270	10 R		UG/L	10
MW484	MW48	N-NITROSO-DI-n-PROPYLAMINE	SW8270	10 R		UG/L	10
MW484	MW48	N-NITROSO-DIETHYLAMINE	SW8270	10 R		UG/L	10
MW484	MW48	NAPHTHALENE	SW8270	10 R		UG/L	10
MW484	MW48	NITROBENZENE	SW8270	10 R		UG/L	10
MW484	MW48	NITROBENZENE-D5	SW8270	28		UG/L	10
MW484	MW48	PENTACHLOROPHENOL	SW8270	5 R		UG/L	5
MW484	MW48	PHENANTHRENE	SW8270	10 R		UG/L	10
MW484	MW48	PHENOL	SW8270	10 R		UG/L	10
MW484	MW48	PHENOL-D5	SW8270	57		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW48A	MW48	PYRENE	SW8270	10 R		UG/L	10
MW48A	MW48	TERPHENYL-D14	SW8270	76		UG/L	0
MW48A	MW48	CHLORIDE (AS CL)	SW9056	15.4 =		MG/L	0.1
MW48A	MW48	SULFATE (AS SO4)	SW9056	13.9 =		MG/L	0.1
MW48A	MW48	1,2,4-TRICHLOROBENZENE	SW8270	10 R		UG/L	10
MW48A	MW48	1,2-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW48A	MW48	1,3-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW48A	MW48	1,4-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW48A	MW48	2,2-OXYBIS(1-CHLORO)PROPANE	SW8270	10 R		UG/L	10
MW48A	MW48	2,4,5-TRICHLOROPHENOL	SW8270	50 R		UG/L	50
MW48A	MW48	2,4,6-TRIBROMOPHENOL	SW8270	3		UG/L	0
MW48A	MW48	2,4,6-TRICHLOROPHENOL	SW8270	10 R		UG/L	10
MW48A	MW48	2,4-DICHLOROPHENOL	SW8270	10 R		UG/L	10
MW48A	MW48	2,4-DIMETHYLPHENOL	SW8270	10 R		UG/L	10
MW48A	MW48	2,4-DINITROPHENOL	SW8270	50 R		UG/L	50
MW48A	MW48	2,4-DINITROTOLUENE	SW8270	10 R		UG/L	10
MW48A	MW48	2,6-DINITROTOLUENE	SW8270	10 R		UG/L	10
MW48A	MW48	2-CHLORONAPHTHALENE	SW8270	10 R		UG/L	10
MW48A	MW48	2-CHLOROPHENOL	SW8270	10 R		UG/L	10
MW48A	MW48	2-FLUOROBIPHENYL	SW8270	71		UG/L	0
MW48A	MW48	2-FLUOROPHENOL	SW8270	6		UG/L	0
MW48A	MW48	2-METHYLNAPHTHALENE	SW8270	10 R		UG/L	10
MW48A	MW48	2-METHYLPHENOL (o-CRESOL)	SW8270	10 R		UG/L	10
MW48A	MW48	2-NITROANILINE	SW8270	50 R		UG/L	50
MW48A	MW48	2-NITROPHENOL	SW8270	10 R		UG/L	10
MW48A	MW48	3,3'-DICHLOROBENZIDINE	SW8270	20 R		UG/L	20
MW48A	MW48	3-NITROANILINE	SW8270	50 R		UG/L	50
MW48A	MW48	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 R		UG/L	50
MW48A	MW48	4-BROMOPHENYL PHENYL ETHER	SW8270	10 R		UG/L	10
MW48A	MW48	4-CHLORO-3-METHYLPHENOL	SW8270	10 R		UG/L	10
MW48A	MW48	4-CHLOROANILINE	SW8270	10 R		UG/L	10
MW48A	MW48	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 R		UG/L	10
MW48A	MW48	4-METHYLPHENOL (p-CRESOL)	SW8270	10 R		UG/L	10
MW48A	MW48	4-NITROANILINE	SW8270	50 R		UG/L	50
MW48A	MW48	4-NITROPHENOL	SW8270	50 R		UG/L	50
MW48A	MW48	ACENAPHTHENE	SW8270	10 R		UG/L	10
MW48A	MW48	ACENAPHTHYLENE	SW8270	10 R		UG/L	10
MW48A	MW48	ANTHRACENE	SW8270	10 R		UG/L	10
MW48A	MW48	BENZO(a)ANTHRACENE	SW8270	10 R		UG/L	10
MW48A	MW48	BENZO(b)PYRENE	SW8270	10 R		UG/L	10
MW48A	MW48	BENZO(k)FLUORANTHENE	SW8270	10 R		UG/L	10
MW48A	MW48	BENZO(g,h,i)PERYLENE	SW8270	10 R		UG/L	10
MW48A	MW48	BENZO(e,f)FLUORANTHENE	SW8270	10 R		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Codes	Units	Detection Limit
MW484RE	MW48	BENZYL BUTYL PHTHALATE	SW8270	10 R		UG/L	10
MW484RE	MW48	Di(2-CHLOROETHOXY) METHANE	SW8270	10 R		UG/L	10
MW484RE	MW48	Di(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 R		UG/L	10
MW484RE	MW48	Di(2-ETHYLHEXYL) PHTHALATE	SW8270	10 R		UG/L	10
MW484RE	MW48	CARBAZOLE	SW8270	10 R		UG/L	10
MW484RE	MW48	CHRYSENE	SW8270	10 R		UG/L	10
MW484RE	MW48	Di-n-BUTYL PHTHALATE	SW8270	10 R		UG/L	10
MW484RE	MW48	Di-n-OCTYL PHTHALATE	SW8270	10 R		UG/L	10
MW484RE	MW48	DIBENZ(a,h)ANTHRACENE	SW8270	10 R		UG/L	10
MW484RE	MW48	DIBENZOFLURAN	SW8270	10 R		UG/L	10
MW484RE	MW48	DIETHYL PHTHALATE	SW8270	10 R		UG/L	10
MW484RE	MW48	DIMETHYL PHTHALATE	SW8270	10 R		UG/L	10
MW484RE	MW48	FLUORANTHENE	SW8270	10 R		UG/L	10
MW484RE	MW48	FLUORENE	SW8270	10 R		UG/L	10
MW484RE	MW48	HEXACHLOROBENZENE	SW8270	10 R		UG/L	10
MW484RE	MW48	HEXACHLOROBUTADIENE	SW8270	10 R		UG/L	10
MW484RE	MW48	HEXACHLOROCYCLOPENTADIENE	SW8270	10 R		UG/L	10
MW484RE	MW48	HEXACHLOROETHANE	SW8270	10 R		UG/L	10
MW484RE	MW48	INDENOL(1,2,3-c)PYRENE	SW8270	10 R		UG/L	10
MW484RE	MW48	ISOPHORONE	SW8270	10 R		UG/L	10
MW484RE	MW48	N-NITROSODi-n-PROPYLAMINE	SW8270	10 R		UG/L	10
MW484RE	MW48	N-NITROSODIPHENTYLAMINE	SW8270	10 R		UG/L	10
MW484RE	MW48	NAPHTHALENE	SW8270	10 R		UG/L	10
MW484RE	MW48	NITROBENZENE	SW8270	10 R		UG/L	10
MW484RE	MW48	NITROBENZENE-D5	SW8270	66		UG/L	0
MW484RE	MW48	PENTACHLOROPHENOL	SW8270	5R		UG/L	5
MW484RE	MW48	PHENANTHRENE	SW8270	10 R		UG/L	10
MW484RE	MW48	PHENOL	SW8270	10 R		UG/L	10
MW484RE	MW48	PHENOL-D5	SW8270	20		UG/L	0
MW484RE	MW48	PYRENE	SW8270	10 R		UG/L	10
MW484RE	MW48	TERPHENYL-D14	SW8270	86		UG/L	0
MW494	MW49	ALUMINIUM	SW6010	44.5 J		UG/L	7.9
MW494	MW49	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW494	MW49	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW494	MW49	BARIUM	SW6010	75.2 J		UG/L	0.48
MW494	MW49	BERYLLIUM	SW6010	0.11 U		UG/L	0.025
MW494	MW49	CADMIUM	SW6010	0.1 U		UG/L	0.1
MW494	MW49	CALCIUM	SW6010	12900 =		UG/L	23.7
MW494	MW49	CHROMIUM TOTAL	SW6010	2.7 J		UG/L	1
MW494	MW49	COBALT	SW6010	2.4 J		UG/L	0.5
MW494	MW49	COPPER	SW6010	1 U		UG/L	1
MW494	MW49	IRON	SW6010	66.7 J		UG/L	3.6
MW494	MW49	LEAD	SW6010	1.3 U		UG/L	1.3

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Protect Qualifier	Units	Detection Limit
MW49A	MW49	MAGNESIUM	SW6010	6400		UG/L	6.2
MW49A	MW49	MANGANESE	SW6010	1.3J		UG/L	0.53
MW49A	MW49	NICKEL	SW6010	0.3U		UG/L	0.3
MW49A	MW49	POTASSIUM	SW6010	917J		UG/L	824.5
MW49A	MW49	SELENIUM	SW6010	1.6U		UG/L	1.6
MW49A	MW49	SILVER	SW6010	0.5U		UG/L	0.5
MW49A	MW49	SODIUM	SW6010	12100		UG/L	114.2
MW49A	MW49	THALLIUM	SW6010	1.6U		UG/L	1.6
MW49A	MW49	VANADIUM	SW6010	0.41J		UG/L	0.31
MW49A	MW49	ZINC	SW6010	12.2J		UG/L	1.1
MW49A	MW49	MERCURY	SW7470	0.1U		UG/L	0.1
MW49A	MW49	1,1,1-TRICHLOROETHANE	SW8260	10U		UG/L	10
MW49A	MW49	1,1,2-TETRACHLOROETHANE	SW8260	10U		UG/L	10
MW49A	MW49	1,1,2-TRICHLOROETHANE	SW8260	10U		UG/L	10
MW49A	MW49	1,1-DICHLOROETHANE	SW8260	10U		UG/L	10
MW49A	MW49	1,1-DICHLOROETHENE	SW8260	10U		UG/L	10
MW49A	MW49	1,2-DICHLOROETHANE	SW8260	10U		UG/L	10
MW49A	MW49	1,2-DICHLOROPROPANE	SW8260	10U		UG/L	10
MW49A	MW49	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	103		UG/L	6
MW49A	MW49	2-HEXANONE	SW8260	10U		UG/L	10
MW49A	MW49	ACETONE	SW8260	10U		UG/L	10
MW49A	MW49	BENZENE	SW8260	10U		UG/L	10
MW49A	MW49	BROMODICHLOROMETHANE	SW8260	10U		UG/L	10
MW49A	MW49	BROMOFORM	SW8260	10U		UG/L	10
MW49A	MW49	BROMOMETHANE	SW8260	10U		UG/L	10
MW49A	MW49	CARBON DISULFIDE	SW8260	10U		UG/L	10
MW49A	MW49	CARBON TETRACHLORIDE	SW8260	10U		UG/L	10
MW49A	MW49	CHLOROBENZENE	SW8260	10U		UG/L	10
MW49A	MW49	CHLOROETHANE	SW8260	10U		UG/L	10
MW49A	MW49	CHLOROFORM	SW8260	10U		UG/L	10
MW49A	MW49	CHLOROMETHANE	SW8260	10U		UG/L	10
MW49A	MW49	cis-1,3-DICHLOROPROPENE	SW8260	10U		UG/L	10
MW49A	MW49	DIBROMOCHLOROMETHANE	SW8260	10U		UG/L	10
MW49A	MW49	DIBROMOFLUOROMETHANE	SW8260	102		UG/L	6
MW49A	MW49	ETHYLBENZENE	SW8260	10U		UG/L	10
MW49A	MW49	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10U		UG/L	10
MW49A	MW49	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10U		UG/L	10
MW49A	MW49	METHYLENE CHLORIDE	SW8260	10U		UG/L	10
MW49A	MW49	STYRENE	SW8260	10U		UG/L	10
MW49A	MW49	TETRACHLOROETHYLENE(PCE)	SW8260	10U		UG/L	10
MW49A	MW49	TOLUENE	SW8260	10U		UG/L	10
MW49A	MW49	TOLUENE-D8	SW8260	106		UG/L	6
MW49A	MW49	TOTAL 1,2-DICHLOROETHENE	SW8260	10U		UG/L	10

291 298

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quantities	Units	Detection Limit
MW494	MW49	total Xylenes	SW8260	10 U		UG/L	10
MW494	MW49	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW494	MW49	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW494	MW49	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW494	MW49	1,2,4-TRICHLOROBENZENE	SW8270	10 R		UG/L	10
MW494	MW49	1,2-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW494	MW49	1,3-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW494	MW49	1,4-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW494	MW49	2,2-DIMETHYL-2-PROPANE	SW8270	10 R		UG/L	10
MW494	MW49	2,4,5-TRICHLOROPHENOL	SW8270	50 R		UG/L	50
MW494	MW49	2,4,6-TRIBROMOPHENOL	SW8270	4		UG/L	0
MW494	MW49	2,4,6-TRICHLOROPHENOL	SW8270	10 R		UG/L	10
MW494	MW49	2,4-DICHLOROPHENOL	SW8270	10 R		UG/L	10
MW494	MW49	2,4-DIMETHYLPHENOL	SW8270	10 R		UG/L	10
MW494	MW49	2,4-DINITROPHENOL	SW8270	50 R		UG/L	50
MW494	MW49	2,4-DINITROTOLUENE	SW8270	10 R		UG/L	10
MW494	MW49	2,6-DINITROTOLUENE	SW8270	10 R		UG/L	10
MW494	MW49	2-CHLORONAPHTHALENE	SW8270	10 R		UG/L	10
MW494	MW49	2-CHLOROPHENOL	SW8270	10 R		UG/L	10
MW494	MW49	2-FLUOROBIPHENYL	SW8270	74		UG/L	0
MW494	MW49	2-FLUOROPHENOL	SW8270	3		UG/L	0
MW494	MW49	2-METHYLNAPHTHALENE	SW8270	10 R		UG/L	10
MW494	MW49	2-METHYLPHENOL (o-CRESOL)	SW8270	10 R		UG/L	10
MW494	MW49	2-NITROANILINE	SW8270	50 R		UG/L	50
MW494	MW49	2-NITROPHENOL	SW8270	10 R		UG/L	10
MW494	MW49	3,3'-DICHLOROBENZIDINE	SW8270	20 R		UG/L	20
MW494	MW49	3-NITROANILINE	SW8270	50 R		UG/L	50
MW494	MW49	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 R		UG/L	50
MW494	MW49	4-BROMOPHENYL PHENYL ETHER	SW8270	10 R		UG/L	10
MW494	MW49	4-CHLORO-3-METHYLPHENOL	SW8270	10 R		UG/L	10
MW494	MW49	4-CHLOROANILINE	SW8270	10 R		UG/L	10
MW494	MW49	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 R		UG/L	10
MW494	MW49	4-METHYLPHENOL (p-CRESOL)	SW8270	10 R		UG/L	10
MW494	MW49	4-NITROANILINE	SW8270	50 R		UG/L	50
MW494	MW49	4-NITROPHENOL	SW8270	50 R		UG/L	50
MW494	MW49	ACENAPHTHENE	SW8270	10 R		UG/L	10
MW494	MW49	ACENAPHTHYLENE	SW8270	10 R		UG/L	10
MW494	MW49	ANTHRACENE	SW8270	10 R		UG/L	10
MW494	MW49	BENZOXANTHRACENE	SW8270	10 R		UG/L	10
MW494	MW49	BENZOPYRENE	SW8270	10 R		UG/L	10
MW494	MW49	BENZOFLUORANTHENE	SW8270	10 R		UG/L	10
MW494	MW49	BENZOKUANTHYLENE	SW8270	10 R		UG/L	10
MW494	MW49	BENZOKYFLUORANTHENE	SW8270	10 R		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW494	MW49	BENZYL BUTYL PHTHALATE	SW8270	10 R		UG/L	10
MW494	MW49	Di(2-CHLOROETHOXY) METHANE	SW8270	10 R		UG/L	10
MW494	MW49	Di(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 R		UG/L	10
MW494	MW49	Di(2-ETHYLHEXYL) PHTHALATE	SW8270	10 R		UG/L	10
MW494	MW49	CARBAZOLE	SW8270	10 R		UG/L	10
MW494	MW49	CHRYSENE	SW8270	10 R		UG/L	10
MW494	MW49	Di-n-BUTYL PHTHALATE	SW8270	10 R		UG/L	10
MW494	MW49	Di-n-OCTYL PHTHALATE	SW8270	10 R		UG/L	10
MW494	MW49	DIBENZO(a,h)ANTHRACENE	SW8270	10 R		UG/L	10
MW494	MW49	DIBENZOFURAN	SW8270	10 R		UG/L	10
MW494	MW49	DIETHYL PHTHALATE	SW8270	10 R		UG/L	10
MW494	MW49	DIMETHYL PHTHALATE	SW8270	10 R		UG/L	10
MW494	MW49	FLUORANTHENE	SW8270	10 R		UG/L	10
MW494	MW49	FLUORENE	SW8270	10 R		UG/L	10
MW494	MW49	HEXACHLOROBENZENE	SW8270	10 R		UG/L	10
MW494	MW49	HEXACHLOROBUTADIENE	SW8270	10 R		UG/L	10
MW494	MW49	HEXACHLOROCYCLOPENTADIENE	SW8270	10 R		UG/L	10
MW494	MW49	HEXACHLORETHANE	SW8270	10 R		UG/L	10
MW494	MW49	INDENOX(1,2,3-c,d)PYRENE	SW8270	10 R		UG/L	10
MW494	MW49	ISOPHORONE	SW8270	10 R		UG/L	10
MW494	MW49	N-NITROSO-Di-n-PROPYLAMINE	SW8270	10 R		UG/L	10
MW494	MW49	N-NITROSDIPHENYLAMINE	SW8270	10 R		UG/L	10
MW494	MW49	NAPHTHALENE	SW8270	10 R		UG/L	10
MW494	MW49	NITROBENZENE	SW8270	10 R		UG/L	10
MW494	MW49	NITROBENZENE-O5	SW8270	79		UG/L	0
MW494	MW49	PENTACHLOROPHENOL	SW8270	5 R		UG/L	5
MW494	MW49	PHENANTHRENE	SW8270	10 R		UG/L	10
MW494	MW49	PHENOL	SW8270	10 R		UG/L	10
MW494	MW49	PHENOL-D5	SW8270	34		UG/L	0
MW494	MW49	PYRENE	SW8270	64		UG/L	0
MW494	MW49	TERPHENYL-D14	SW8270	10 UJ		UG/L	10
MW494RE	MW49	1,2,4-TRICHLOROBENZENE	SW8270	10 UJ		UG/L	10
MW494RE	MW49	1,2-DICHLOROBENZENE	SW8270	10 UJ		UG/L	10
MW494RE	MW49	1,3-DICHLOROBENZENE	SW8270	10 UJ		UG/L	10
MW494RE	MW49	1,4-DICHLOROBENZENE	SW8270	10 UJ		UG/L	10
MW494RE	MW49	2,2-OXYBIS(1-CHLOROPROPANE	SW8270	10 UJ		UG/L	10
MW494RE	MW49	2,4,5-TRICHLOROPHENOL	SW8270	50 UJ		UG/L	50
MW494RE	MW49	2,4,6-TRIBROMOPHENOL	SW8270	61		UG/L	0
MW494RE	MW49	2,4,6-TRICHLOROPHENOL	SW8270	10 UJ		UG/L	10
MW494RE	MW49	2,4-DICHLOROPHENOL	SW8270	10 UJ		UG/L	10
MW494RE	MW49	2,4-DIMETHYLPHENOL	SW8270	10 UJ		UG/L	10
MW494RE	MW49	2,4-DINITROPHENOL	SW8270	50 UJ		UG/L	50
MW494RE	MW49	2,4-DINITROTOLUENE	SW8270	10 UJ		UG/L	10



DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW494RE	MW49	HEXACHLOROCYCLOPENTADIENE	SW8270	10 UJ		UG/L	10
MW494RE	MW49	HEXACHLOROETHANE	SW8270	10 UJ		UG/L	10
MW494RE	MW49	INDENO(1,2,3-c,d)PYRENE	SW8270	10 UJ		UG/L	10
MW494RE	MW49	ISOPHORONE	SW8270	10 UJ		UG/L	10
MW494RE	MW49	N-NITROSO-DI-N-PROPYLAMINE	SW8270	10 UJ		UG/L	10
MW494RE	MW49	N-NITROSO-DI-PHENYLAMINE	SW8270	10 UJ		UG/L	10
MW494RE	MW49	NAPHTHALENE	SW8270	10 UJ		UG/L	10
MW494RE	MW49	NITROBENZENE	SW8270	10 UJ		UG/L	10
MW494RE	MW49	NITROBENZENE-D5	SW8270	77		UG/L	0
MW494RE	MW49	PENTACHLOROPHENOL	SW8270	5 UJ		UG/L	5
MW494RE	MW49	PHENANTHRENE	SW8270	10 UJ		UG/L	10
MW494RE	MW49	PHENOL	SW8270	10 UJ		UG/L	10
MW494RE	MW49	PHENOL-D5	SW8270	64		UG/L	0
MW494RE	MW49	PYRENE	SW8270	10 UJ		UG/L	10
MW494RE	MW49	TERPHENYL-D14	SW8270	81		UG/L	0
MW504	MW50	ALUMINUM	SW6010	75.9 J		UG/L	7.9
MW504	MW50	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW504	MW50	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW504	MW50	BARIUM	SW6010	219 =		UG/L	0.48
MW504	MW50	BERYLLIUM	SW6010	0.02 U		UG/L	0.02
MW504	MW50	CADMIUM	SW6010	0.1 U		UG/L	0.1
MW504	MW50	CALCIUM	SW6010	46100 =		UG/L	23.7
MW504	MW50	CHROMIUM TOTAL	SW6010	3.2 J		UG/L	1
MW504	MW50	COBALT	SW6010	0.5 U		UG/L	0.5
MW504	MW50	COPPER	SW6010	6 J		UG/L	1
MW504	MW50	IRON	SW6010	283 =		UG/L	3.6
MW504	MW50	LEAD	SW6010	1.3 UJ		UG/L	1.3
MW504	MW50	MAGNESIUM	SW6010	22200 =		UG/L	6.2
MW504	MW50	MANGANESE	SW6010	16.3 =		UG/L	0.83
MW504	MW50	NICKEL	SW6010	0.3 U		UG/L	0.3
MW504	MW50	POTASSIUM	SW6010	3820 J		UG/L	824.5
MW504	MW50	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW504	MW50	SILVER	SW6010	0.5 U		UG/L	0.5
MW504	MW50	SODIUM	SW6010	63600 =		UG/L	114.2
MW504	MW50	THALLIUM	SW6010	1.6 U		UG/L	1.6
MW504	MW50	VANADIUM	SW6010	0.61 J		UG/L	0.31
MW504	MW50	ZINC	SW6010	16.8 J		UG/L	1.1
MW504	MW50	MERCURY	SW7470	0.1 U		UG/L	0.1
MW504	MW50	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW504	MW50	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW504	MW50	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW504	MW50	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW504	MW50	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID #	Station ID #	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW504	MW50	1,2-DICHLOROETHANE	SW8260	10.U		UG/L	10
MW504	MW50	1,2-DICHLOROPROPANE	SW8260	10.U		UG/L	10
MW504	MW50	1-BROMO-4-FLUOROBENZENE (1-BROMOFLUOROBENZENE)	SW8260	100		UG/L	0
MW504	MW50	2-HEXANONE	SW8260	10.U		UG/L	10
MW504	MW50	ACETONE	SW8260	10.U		UG/L	10
MW504	MW50	BENZENE	SW8260	10.U		UG/L	10
MW504	MW50	BROMODICHLOROMETHANE	SW8260	10.U		UG/L	10
MW504	MW50	BROMOFORM	SW8260	10.U		UG/L	10
MW504	MW50	BROMOMETHANE	SW8260	10.U		UG/L	10
MW504	MW50	CARBON DISULFIDE	SW8260	10.U		UG/L	10
MW504	MW50	CARBON TETRACHLORIDE	SW8260	10.U		UG/L	10
MW504	MW50	CHLOROBENZENE	SW8260	10.U		UG/L	10
MW504	MW50	CHLOROETHANE	SW8260	10.U		UG/L	10
MW504	MW50	CHLOROFORM	SW8260	10.U		UG/L	10
MW504	MW50	CHLOROMETHANE	SW8260	10.U		UG/L	10
MW504	MW50	cis-1,3-DICHLOROPROPENE	SW8260	10.U		UG/L	10
MW504	MW50	DI-BROMOCHLOROMETHANE	SW8260	10.U		UG/L	10
MW504	MW50	DI-BROMOFLUOROMETHANE	SW8260	103		UG/L	0
MW504	MW50	ETHYLBENZENE	SW8260	10.U		UG/L	10
MW504	MW50	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10.U		UG/L	10
MW504	MW50	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10.U		UG/L	10
MW504	MW50	METHYLENE CHLORIDE	SW8260	10.U		UG/L	10
MW504	MW50	STYRENE	SW8260	10.U		UG/L	10
MW504	MW50	TETRACHLOROETHYLENE (PCE)	SW8260	10.U		UG/L	10
MW504	MW50	TOLUENE	SW8260	10.U		UG/L	10
MW504	MW50	TOLUENE-D8	SW8260	100		UG/L	0
MW504	MW50	TOTAL 1,2-DICHLOROETHENE	SW8260	10.U		UG/L	10
MW504	MW50	Total Xylenes	SW8260	10.U		UG/L	10
MW504	MW50	trans-1,3-DICHLOROPROPENE	SW8260	10.U		UG/L	10
MW504	MW50	TRICHLOROETHYLENE (TCE)	SW8260	10.U		UG/L	10
MW504	MW50	VINYL CHLORIDE	SW8260	10.U		UG/L	10
MW504	MW50	1,2,4-TRICHLOROBENZENE	SW8270	10.U		UG/L	10
MW504	MW50	1,2-DICHLOROBENZENE	SW8270	10.U		UG/L	10
MW504	MW50	1,3-DICHLOROBENZENE	SW8270	10.U		UG/L	10
MW504	MW50	1,4-DICHLOROBENZENE	SW8270	10.U		UG/L	10
MW504	MW50	2,2-OXYBIS(1-CHLOROPROPANE)	SW8270	10.U		UG/L	10
MW504	MW50	2,4,5-TRICHLOROPHENOL	SW8270	50.U		UG/L	50
MW504	MW50	2,4,6-TRIBROMOPHENOL	SW8270	50		UG/L	0
MW504	MW50	2,4,6-TRICHLOROPHENOL	SW8270	10.U		UG/L	10
MW504	MW50	2,4-DICHLOROPHENOL	SW8270	10.U		UG/L	10
MW504	MW50	2,4-DIMETHYLPHENOL	SW8270	10.U		UG/L	10
MW504	MW50	2,4-DINITROPHENOL	SW8270	50.U		UG/L	50
MW504	MW50	2,4-DINITROTOLUENE	SW8270	10.U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Location ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW504	MW50	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW504	MW50	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW504	MW50	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW504	MW50	2-FLUOROBIPHENYL	SW8270	02		UG/L	0
MW504	MW50	2-FLUOROPHENOL	SW8270	05		UG/L	0
MW504	MW50	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW504	MW50	2-METHYLPHENOL (O-CRESOL)	SW8270	10 U		UG/L	10
MW504	MW50	2-NITROANILINE	SW8270	50 U		UG/L	50
MW504	MW50	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW504	MW50	3,3'-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW504	MW50	3-NITROANILINE	SW8270	50 U		UG/L	50
MW504	MW50	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW504	MW50	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW504	MW50	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW504	MW50	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW504	MW50	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW504	MW50	4-METHYLPHENOL (P-CRESOL)	SW8270	10 U		UG/L	10
MW504	MW50	4-NITROANILINE	SW8270	50 U		UG/L	50
MW504	MW50	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW504	MW50	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW504	MW50	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW504	MW50	ANTHRACENE	SW8270	10 U		UG/L	10
MW504	MW50	BENZO(a)ANTHRACENE	SW8270	10 U		UG/L	10
MW504	MW50	BENZO(b)PYRENE	SW8270	10 U		UG/L	10
MW504	MW50	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW504	MW50	BENZO(l,h)PERYLENE	SW8270	10 U		UG/L	10
MW504	MW50	BENZO(e)FLUORANTHENE	SW8270	10 U		UG/L	10
MW504	MW50	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW504	MW50	DI(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW504	MW50	DI(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW504	MW50	DI(2-ETHYLHEXYL) PHTHALATE	SW8270	10 U		UG/L	10
MW504	MW50	CARBAZOLE	SW8270	10 U		UG/L	10
MW504	MW50	CHRYSENE	SW8270	10 U		UG/L	10
MW504	MW50	DH-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW504	MW50	DHT-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW504	MW50	DIBENZO(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW504	MW50	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW504	MW50	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW504	MW50	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW504	MW50	FLUORANTHENE	SW8270	10 U		UG/L	10
MW504	MW50	FLUORENE	SW8270	10 U		UG/L	10
MW504	MW50	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW504	MW50	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW504	MW50	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW504	MW50	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW504	MW50	INDENYL 2,3-C-DYRENE	SW8270	10 U		UG/L	10
MW504	MW50	ISOPHORONE	SW8270	10 U		UG/L	10
MW504	MW50	N-NITROSODI-N-PROPYLAMINE	SW8270	10 U		UG/L	10
MW504	MW50	N-NITROSODIPHENYLAMINE	SW8270	10 U		UG/L	10
MW504	MW50	NAPHTHALENE	SW8270	10 U		UG/L	10
MW504	MW50	NITROBENZENE	SW8270	10 U		UG/L	10
MW504	MW50	NITROBENZENE-D5	SW8270	77		UG/L	0
MW504	MW50	PENTACHLOROPHENOL	SW8270	5 U		UG/L	5
MW504	MW50	PHENANTHRENE	SW8270	10 U		UG/L	10
MW504	MW50	PHENOL	SW8270	10 U		UG/L	10
MW504	MW50	PHENOL-D5	SW8270	68		UG/L	0
MW504	MW50	PYRENE	SW8270	10 U		UG/L	10
MW504	MW50	TERPHENYL-D14	SW8270	75		UG/L	0
MW514	MW51	ETHANE	SW3810	0.84 U		UG/L	0.84
MW514	MW51	ETHENE	SW3810	0.87 U		UG/L	0.87
MW514	MW51	METHANE	SW3810	0.44 U		UG/L	0.44
MW514	MW51	ALUMINIUM	SW6010	19.8 U		UG/L	7.9
MW514	MW51	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW514	MW51	ARSENIC	SW6010	2.5 U		UG/L	1.4
MW514	MW51	BARIUM	SW6010	82.2 J		UG/L	0.48
MW514	MW51	BERYLLIUM	SW6010	0.02 U		UG/L	0.02
MW514	MW51	CADMIUM	SW6010	0.1 U		UG/L	0.1
MW514	MW51	CALCIUM	SW6010	20900 =		UG/L	23.7
MW514	MW51	CHROMIUM TOTAL	SW6010	2.6 J		UG/L	
MW514	MW51	COBALT	SW6010	0.5 U		UG/L	0.5
MW514	MW51	COPPER	SW6010	1 U		UG/L	1
MW514	MW51	IRON	SW6010	70.6 U		UG/L	3.6
MW514	MW51	LEAD	SW6010	1.4 U		UG/L	1.3
MW514	MW51	MAGNESIUM	SW6010	10000 =		UG/L	6.2
MW514	MW51	MANGANESE	SW6010	0.92 J		UG/L	0.53
MW514	MW51	NICKEL	SW6010	0.3 U		UG/L	0.3
MW514	MW51	POTASSIUM	SW6010	824 U		UG/L	824
MW514	MW51	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW514	MW51	SILVER	SW6010	0.5 U		UG/L	0.5
MW514	MW51	SODIUM	SW6010	16000 =		UG/L	114.2
MW514	MW51	THALLIUM	SW6010	1.6 U		UG/L	1.6
MW514	MW51	VANADIUM	SW6010	0.31 J		UG/L	0.31
MW514	MW51	ZINC	SW6010	8.3 U		UG/L	1.1
MW514	MW51	MERCURY	SW7470	0.1 U		UG/L	0.1
MW514	MW51	1,1,1-TRICHLOROETHANE	SW8260	2 J		UG/L	10
MW514	MW51	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MWS14	MWS1	1,1,2-TRICHLOROETHANE	SWB260	10 U		UG/L	10
MWS14	MWS1	1,1-DICHLOROETHANE	SWB260	10 U		UG/L	10
MWS14	MWS1	1,1-DICHLOROETHENE	SWB260	30 =		UG/L	10
MWS14	MWS1	1,2-DICHLOROETHANE	SWB260	10 U		UG/L	10
MWS14	MWS1	1,2-DICHLOROPROPANE	SWB260	10 U		UG/L	10
MWS14	MWS1	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SWB260	108		UG/L	0
MWS14	MWS1	2-HEXANONE	SWB260	10 U		UG/L	10
MWS14	MWS1	ACETONE	SWB260	10 U		UG/L	10
MWS14	MWS1	BENZENE	SWB260	10 U		UG/L	10
MWS14	MWS1	BROMODICHLOROMETHANE	SWB260	10 U		UG/L	10
MWS14	MWS1	BROMOFORM	SWB260	10 U		UG/L	10
MWS14	MWS1	BROMOMETHANE	SWB260	10 U		UG/L	10
MWS14	MWS1	CARBON DISULFIDE	SWB260	10 U		UG/L	10
MWS14	MWS1	CARBON TETRACHLORIDE	SWB260	10 U		UG/L	10
MWS14	MWS1	CHLOROBENZENE	SWB260	10 U		UG/L	10
MWS14	MWS1	CHLOROETHANE	SWB260	10 U		UG/L	10
MWS14	MWS1	CHLOROFORM	SWB260	10 U		UG/L	10
MWS14	MWS1	CHLOROMETHANE	SWB260	10 U		UG/L	10
MWS14	MWS1	cis-1,3-DICHLOROPROPENE	SWB260	10 U		UG/L	10
MWS14	MWS1	DIBROMOCHLOROMETHANE	SWB260	98		UG/L	0
MWS14	MWS1	DIBROMOFLUOROMETHANE	SWB260	10 U		UG/L	10
MWS14	MWS1	ETHYLBENZENE	SWB260	10 U		UG/L	10
MWS14	MWS1	METHYL ETHYL KETONE (2-BUTANONE)	SWB260	10 U		UG/L	10
MWS14	MWS1	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SWB260	10 U		UG/L	10
MWS14	MWS1	METHYLENE CHLORIDE	SWB260	10 U		UG/L	10
MWS14	MWS1	STYRENE	SWB260	4 J		UG/L	10
MWS14	MWS1	TETRACHLOROETHYLENE(PCE)	SWB260	10 U		UG/L	10
MWS14	MWS1	TOLUENE	SWB260	10 U		UG/L	10
MWS14	MWS1	TOLUENE-D8	SWB260	107		UG/L	0
MWS14	MWS1	TOTAL 1,2-DICHLOROETHENE	SWB260	10 U		UG/L	10
MWS14	MWS1	Total Xylenes	SWB260	10 U		UG/L	10
MWS14	MWS1	trans-1,3-DICHLOROPROPENE	SWB260	10 U		UG/L	10
MWS14	MWS1	TRICHLOROETHYLENE (TCE)	SWB260	10 U		UG/L	10
MWS14	MWS1	VINYL CHLORIDE	SWB260	13 =		UG/L	10
MWS14	MWS1	1,2,4-TRICHLOROBENZENE	SWB270	10 U		UG/L	10
MWS14	MWS1	1,2-DICHLOROBENZENE	SWB270	10 U		UG/L	10
MWS14	MWS1	1,3-DICHLOROBENZENE	SWB270	10 U		UG/L	10
MWS14	MWS1	1,4-DICHLOROBENZENE	SWB270	10 U		UG/L	10
MWS14	MWS1	2,2'-OXYBIS(1-CHLORO)PROPANE	SWB270	10 U		UG/L	10
MWS14	MWS1	2,4,5-TRICHLOROPHENOL	SWB270	50 U		UG/L	50
MWS14	MWS1	2,4,6-TRIBROMOPHENOL	SWB270	58		UG/L	0
MWS14	MWS1	2,4,6-TRICHLOROPHENOL	SWB270	10 U		UG/L	10
MWS14	MWS1	2,4-DICHLOROPHENOL	SWB270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW514	MW51	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW514	MW51	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW514	MW51	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW514	MW51	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW514	MW51	2-CHLOROANAPHTHALENE	SW8270	10 U		UG/L	10
MW514	MW51	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW514	MW51	2-FLUOROBIPHENYL	SW8270	69		UG/L	0
MW514	MW51	2-FLUOROPHENOL	SW8270	63		UG/L	0
MW514	MW51	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW514	MW51	2-METHYPHENOL (o-CRESOL)	SW8270	10 U		UG/L	10
MW514	MW51	2-NITROANILINE	SW8270	50 U		UG/L	50
MW514	MW51	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW514	MW51	3,3-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW514	MW51	3-NITROANILINE	SW8270	50 U		UG/L	50
MW514	MW51	4,6-DINITRO-2-METHYPHENOL	SW8270	50 U		UG/L	50
MW514	MW51	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW514	MW51	4-CHLORO-3-METHYPHENOL	SW8270	10 U		UG/L	10
MW514	MW51	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW514	MW51	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW514	MW51	4-METHYPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW514	MW51	4-NITROANILINE	SW8270	50 U		UG/L	50
MW514	MW51	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW514	MW51	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW514	MW51	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW514	MW51	ANTHRACENE	SW8270	10 U		UG/L	10
MW514	MW51	BENZO(a)ANTHRACENE	SW8270	10 U		UG/L	10
MW514	MW51	BENZO(b)PYRENE	SW8270	10 U		UG/L	10
MW514	MW51	BENZO(b)FLUORANTHENE	SW8270	10 U		UG/L	10
MW514	MW51	BENZO(g,h,i)PERYLENE	SW8270	10 U		UG/L	10
MW514	MW51	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW514	MW51	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW514	MW51	Di(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW514	MW51	Di(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW514	MW51	Di(2-ETHYLHEXYL) PHTHALATE	SW8270	10 U		UG/L	10
MW514	MW51	CARBAZOLE	SW8270	10 U		UG/L	10
MW514	MW51	CHRYSENE	SW8270	10 U		UG/L	10
MW514	MW51	Di-n-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW514	MW51	Di-n-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW514	MW51	DIBENZ(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW514	MW51	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW514	MW51	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW514	MW51	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW514	MW51	FLUORANTHENE	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MWS14	MWS1	FLUORENE	SW8270	10 U		UG/L	10
MWS14	MWS1	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MWS14	MWS1	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MWS14	MWS1	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MWS14	MWS1	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MWS14	MWS1	INDENO[1,2,3-c,d]PYRENE	SW8270	10 U		UG/L	10
MWS14	MWS1	ISOPHORONE	SW8270	10 U		UG/L	10
MWS14	MWS1	N-NITROSODI-N-PROPYLAMINE	SW8270	10 U		UG/L	10
MWS14	MWS1	N-NITROSODIPHTHALAMINE	SW8270	10 U		UG/L	10
MWS14	MWS1	NAPHTHALENE	SW8270	10 U		UG/L	10
MWS14	MWS1	NITROBENZENE	SW8270	10 U		UG/L	10
MWS14	MWS1	NITROBENZENE-D5	SW8270	74		UG/L	0
MWS14	MWS1	PENTACHLOROPHENOL	SW8270	5 U		UG/L	5
MWS14	MWS1	PHENANTHRENE	SW8270	10 U		UG/L	10
MWS14	MWS1	PHENOL	SW8270	10 U		UG/L	10
MWS14	MWS1	PHENOL-D5	SW8270	69		UG/L	0
MWS14	MWS1	PYRENE	SW8270	10 U		UG/L	10
MWS14	MWS1	TERPHENYL-D14	SW8270	69		UG/L	0
MWS24	MWS2	ALUMINIUM	SW6010	18.8 J		UG/L	7.9
MWS24	MWS2	ANTIMONY	SW6010	2.2 J		UG/L	1.7
MWS24	MWS2	ARSENIC	SW6010	1.4 U		UG/L	1.4
MWS24	MWS2	BARIUM	SW6010	173 J		UG/L	0.46
MWS24	MWS2	BERYLLIUM	SW6010	0.02 U		UG/L	0.02
MWS24	MWS2	CADMIUM	SW6010	0.1 U		UG/L	0.1
MWS24	MWS2	CALCIUM	SW6010	48300 =		UG/L	23.7
MWS24	MWS2	CHROMIUM TOTAL	SW6010	1 U		UG/L	1
MWS24	MWS2	COBALT	SW6010	0.5 U		UG/L	0.5
MWS24	MWS2	COPPER	SW6010	1 U		UG/L	1
MWS24	MWS2	IRON	SW6010	3.6 U		UG/L	3.6
MWS24	MWS2	LEAD	SW6010	1.3 U		UG/L	1.3
MWS24	MWS2	MAGNESIUM	SW6010	24500 =		UG/L	6.2
MWS24	MWS2	MANGANESE	SW6010	1.5 J		UG/L	0.53
MWS24	MWS2	NICKEL	SW6010	0.3 U		UG/L	0.3
MWS24	MWS2	POTASSIUM	SW6010	3340 J		UG/L	824.5
MWS24	MWS2	SELENIUM	SW6010	1.6 U		UG/L	1.6
MWS24	MWS2	SILVER	SW6010	0.5 U		UG/L	0.5
MWS24	MWS2	SODIUM	SW6010	90400 =		UG/L	114.2
MWS24	MWS2	THALLIUM	SW6010	1.6 U		UG/L	1.6
MWS24	MWS2	VANADIUM	SW6010	0.43 J		UG/L	0.31
MWS24	MWS2	ZINC	SW6010	3.5 J		UG/L	1.1
MWS24	MWS2	MERCURY	SW7470	0.1 U		UG/L	0.1
MWS24	MWS2	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MWS24	MWS2	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID #	Station ID #	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW524	MW52	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW524	MW52	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW524	MW52	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW524	MW52	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW524	MW52	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW524	MW52	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	10 U		UG/L	10
MW524	MW52	2-HEXANONE	SW8260	10 U		UG/L	10
MW524	MW52	ACETONE	SW8260	10 U		UG/L	10
MW524	MW52	BENZENE	SW8260	10 U		UG/L	10
MW524	MW52	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW524	MW52	BROMOFORM	SW8260	10 U		UG/L	10
MW524	MW52	BROMOMETHANE	SW8260	10 U		UG/L	10
MW524	MW52	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW524	MW52	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW524	MW52	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW524	MW52	CHLOROETHANE	SW8260	10 U		UG/L	10
MW524	MW52	CHLOROFORM	SW8260	10 U		UG/L	10
MW524	MW52	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW524	MW52	cis-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW524	MW52	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW524	MW52	DIBROMOFLUOROMETHANE	SW8260	10 U		UG/L	10
MW524	MW52	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW524	MW52	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW524	MW52	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW524	MW52	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW524	MW52	STYRENE	SW8260	10 U		UG/L	10
MW524	MW52	TETRACHLOROETHYLENE (PCE)	SW8260	10 U		UG/L	10
MW524	MW52	TOLUENE	SW8260	10 U		UG/L	10
MW524	MW52	TOLUENE-D8	SW8260	10 U		UG/L	10
MW524	MW52	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW524	MW52	Total Xylenes	SW8260	10 U		UG/L	10
MW524	MW52	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW524	MW52	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW524	MW52	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW524	MW52	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW524	MW52	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW524	MW52	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW524	MW52	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW524	MW52	2,2'-OXYBIS(1-CHLOROPROPANE)	SW8270	10 U		UG/L	10
MW524	MW52	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW524	MW52	2,4,6-TRIBROMOPHENOL	SW8270	64		UG/L	64
MW524	MW52	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW524	MW52	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10

291 309

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Site ID	Analyte Parameter	Analytical Method	Value	Protective Criterion	Units	Detection Limit
MW524	MW52	2,4-DIMETHYLPHENOL	SW8270	10 U	10 U	UG/L	10
MW524	MW52	2,4-DINITROPHENOL	SW8270	50 U	50 U	UG/L	50
MW524	MW52	2,4-DINITROTOLUENE	SW8270	10 U	10 U	UG/L	10
MW524	MW52	2,6-DINITROTOLUENE	SW8270	10 U	10 U	UG/L	10
MW524	MW52	2-CHLORONAPHTHALENE	SW8270	10 U	10 U	UG/L	10
MW524	MW52	2-CHLOROPHENOL	SW8270	10 U	10 U	UG/L	10
MW524	MW52	2-FLUOROBIPHENYL	SW8270	69	69	UG/L	0
MW524	MW52	2-FLUOROPHENOL	SW8270	64	64	UG/L	0
MW524	MW52	2-METHYLNAPHTHALENE	SW8270	10 U	10 U	UG/L	10
MW524	MW52	2-METHYLPHENOL (o-CRESOL)	SW8270	10 U	10 U	UG/L	10
MW524	MW52	2-NITROANILINE	SW8270	50 U	50 U	UG/L	50
MW524	MW52	2-NITROPHENOL	SW8270	10 U	10 U	UG/L	10
MW524	MW52	3,3'-DICHLOROBENZIDINE	SW8270	20 U	20 U	UG/L	20
MW524	MW52	3-NITROANILINE	SW8270	50 U	50 U	UG/L	50
MW524	MW52	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U	50 U	UG/L	50
MW524	MW52	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U	10 U	UG/L	10
MW524	MW52	4-CHLORO-3-METHYLPHENOL	SW8270	10 U	10 U	UG/L	10
MW524	MW52	4-CHLOROANILINE	SW8270	10 U	10 U	UG/L	10
MW524	MW52	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U	10 U	UG/L	10
MW524	MW52	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U	10 U	UG/L	10
MW524	MW52	4-NITROANILINE	SW8270	50 U	50 U	UG/L	50
MW524	MW52	4-NITROPHENOL	SW8270	50 U	50 U	UG/L	50
MW524	MW52	ACENAPHTHENE	SW8270	10 U	10 U	UG/L	10
MW524	MW52	ACENAPHTHYLENE	SW8270	10 U	10 U	UG/L	10
MW524	MW52	ANTHRACENE	SW8270	10 U	10 U	UG/L	10
MW524	MW52	BENZO(a)ANTHRACENE	SW8270	10 U	10 U	UG/L	10
MW524	MW52	BENZO(b)PYRENE	SW8270	10 U	10 U	UG/L	10
MW524	MW52	BENZO(k)FLUORANTHENE	SW8270	10 U	10 U	UG/L	10
MW524	MW52	BENZO(g,h,i)PERYLENE	SW8270	10 U	10 U	UG/L	10
MW524	MW52	BENZO(a)FLUORANTHENE	SW8270	10 U	10 U	UG/L	10
MW524	MW52	BENZYL BUTYL PHTHALATE	SW8270	10 U	10 U	UG/L	10
MW524	MW52	bis(2-CHLOROETHOXY) METHANE	SW8270	10 U	10 U	UG/L	10
MW524	MW52	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U	10 U	UG/L	10
MW524	MW52	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10 U	10 U	UG/L	10
MW524	MW52	CARBAZOLE	SW8270	10 U	10 U	UG/L	10
MW524	MW52	CHRYSENE	SW8270	10 U	10 U	UG/L	10
MW524	MW52	Di-n-BUTYL PHTHALATE	SW8270	10 U	10 U	UG/L	10
MW524	MW52	Di-n-OCTYL PHTHALATE	SW8270	10 U	10 U	UG/L	10
MW524	MW52	DIBENZO(a,h)ANTHRACENE	SW8270	10 U	10 U	UG/L	10
MW524	MW52	DIBENZO(f,g)ANTHRACENE	SW8270	10 U	10 U	UG/L	10
MW524	MW52	DIETHYL PHTHALATE	SW8270	10 U	10 U	UG/L	10
MW524	MW52	DIMETHYL PHTHALATE	SW8270	10 U	10 U	UG/L	10
MW524	MW52	FLUORANTHENE	SW8270	10 U	10 U	UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	% Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW524	MW52	FLUORENE	SW8270	10 U		UG/L	10
MW524	MW52	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW524	MW52	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW524	MW52	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW524	MW52	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW524	MW52	INDENO[1,2,3-c,d]PYRENE	SW8270	10 U		UG/L	10
MW524	MW52	ISOPHORONE	SW8270	10 U		UG/L	10
MW524	MW52	N-NITROSODI-N-PROPYLAMINE	SW8270	10 U		UG/L	10
MW524	MW52	N-NITROSODIPHENYLAMINE	SW8270	10 U		UG/L	10
MW524	MW52	NAPHTHALENE	SW8270	10 U		UG/L	10
MW524	MW52	NITROBENZENE	SW8270	10 U		UG/L	10
MW524	MW52	NITROBENZENE-D5	SW8270	72		UG/L	0
MW524	MW52	PENTACHLOROPHENOL	SW8270	5 U		UG/L	5
MW524	MW52	PHENANTHRENE	SW8270	10 U		UG/L	10
MW524	MW52	PHENOL	SW8270	10 U		UG/L	10
MW524	MW52	PHENOL-D5	SW8270	71		UG/L	0
MW524	MW52	PYRENE	SW8270	10 U		UG/L	10
MW524	MW52	TERPHENYL-D14	SW8270	66		UG/L	0
MW534	MW53	ALUMINIUM	SW6010	79 U		UG/L	79
MW534	MW53	ANTIMONY	SW6010	17 U		UG/L	17
MW534	MW53	ARSENIC	SW6010	14 U		UG/L	14
MW534	MW53	BARIUM	SW6010	648 J		UG/L	0.48
MW534	MW53	BERYLLIUM	SW6010	0.06 U		UG/L	0.025
MW534	MW53	CADMIUM	SW6010	0.1 U		UG/L	0.1
MW534	MW53	CALCIUM	SW6010	31400 =		UG/L	23.7
MW534	MW53	CHROMIUM, TOTAL	SW6010	1.3 J		UG/L	1
MW534	MW53	COBALT	SW6010	9.8 J		UG/L	0.5
MW534	MW53	COPPER	SW6010	1.1 J		UG/L	1
MW534	MW53	IRON	SW6010	20.2 J		UG/L	3.6
MW534	MW53	LEAD	SW6010	1.3 U		UG/L	1.3
MW534	MW53	MAGNESIUM	SW6010	16900 =		UG/L	6.2
MW534	MW53	MANGANESE	SW6010	9.6 J		UG/L	0.53
MW534	MW53	NICKEL	SW6010	0.3 U		UG/L	0.3
MW534	MW53	POTASSIUM	SW6010	2350 J		UG/L	824.5
MW534	MW53	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW534	MW53	SILVER	SW6010	0.5 U		UG/L	0.5
MW534	MW53	SODIUM	SW6010	32900 =		UG/L	114.2
MW534	MW53	THALLIUM	SW6010	1.9 U		UG/L	1.6
MW534	MW53	VANADIUM	SW6010	0.47 J		UG/L	0.31
MW534	MW53	ZINC	SW6010	4 J		UG/L	1.1
MW534	MW53	MERCURY	SW7470	0.1 U		UG/L	0.1
MW534	MW53	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW534	MW53	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW534	MW53	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW534	MW53	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW534	MW53	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW534	MW53	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW534	MW53	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW534	MW53	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	103		UG/L	0
MW534	MW53	2-HEXANONE	SW8260	10 U		UG/L	10
MW534	MW53	ACETONE	SW8260	10 U		UG/L	10
MW534	MW53	BENZENE	SW8260	10 U		UG/L	10
MW534	MW53	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW534	MW53	BROMOFORM	SW8260	10 U		UG/L	10
MW534	MW53	BROMOMETHANE	SW8260	10 U		UG/L	10
MW534	MW53	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW534	MW53	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW534	MW53	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW534	MW53	CHLOROETHANE	SW8260	10 U		UG/L	10
MW534	MW53	CHLOROFORM	SW8260	10 U		UG/L	10
MW534	MW53	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW534	MW53	CIS-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW534	MW53	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW534	MW53	DIBROMOFUOROMETHANE	SW8260	10 U		UG/L	10
MW534	MW53	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW534	MW53	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW534	MW53	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW534	MW53	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW534	MW53	STYRENE	SW8260	10 U		UG/L	10
MW534	MW53	TETRACHLOROETHYLENE (PCE)	SW8260	10 U		UG/L	10
MW534	MW53	TOLUENE	SW8260	10 U		UG/L	10
MW534	MW53	TOLUENE-D8	SW8260	106		UG/L	0
MW534	MW53	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW534	MW53	Total Xylenes	SW8260	10 U		UG/L	10
MW534	MW53	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW534	MW53	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW534	MW53	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW534	MW53	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW534	MW53	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW534	MW53	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW534	MW53	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW534	MW53	2,2-OXYBIS(1-CHLOROPROPANE)	SW8270	10 U		UG/L	10
MW534	MW53	2,4,6-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW534	MW53	2,4,6-TRIBROMOPHENOL	SW8270	61		UG/L	0
MW534	MW53	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW534	MW53	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW534	MW53	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW534	MW53	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW534	MW53	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW534	MW53	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW534	MW53	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW534	MW53	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW534	MW53	2-FLUOROBIPHENYL	SW8270	75		UG/L	0
MW534	MW53	2-FLUOROPHENOL	SW8270	61		UG/L	0
MW534	MW53	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW534	MW53	2-METHYLPHENOL (o-CRESOL)	SW8270	10 U		UG/L	10
MW534	MW53	2-NITROANILINE	SW8270	50 U		UG/L	50
MW534	MW53	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW534	MW53	3,3'-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW534	MW53	3-NITROANILINE	SW8270	50 U		UG/L	50
MW534	MW53	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW534	MW53	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW534	MW53	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW534	MW53	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW534	MW53	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW534	MW53	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW534	MW53	4-NITROANILINE	SW8270	50 U		UG/L	50
MW534	MW53	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW534	MW53	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW534	MW53	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW534	MW53	ANTHRACENE	SW8270	10 U		UG/L	10
MW534	MW53	BENZO(a)ANTHRACENE	SW8270	10 U		UG/L	10
MW534	MW53	BENZO(g)PYRENE	SW8270	10 U		UG/L	10
MW534	MW53	BENZO(j)FLUORANTHENE	SW8270	10 U		UG/L	10
MW534	MW53	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW534	MW53	BENZO(b)FLUORANTHENE	SW8270	10 U		UG/L	10
MW534	MW53	BENZO(e)FLUORANTHENE	SW8270	10 U		UG/L	10
MW534	MW53	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270	10 U		UG/L	10
MW534	MW53	BIS(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW534	MW53	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW534	MW53	BIS(2-ETHYLHEXYL) PHTHALATE	SW8270	10 U		UG/L	10
MW534	MW53	CARBAZOLE	SW8270	10 U		UG/L	10
MW534	MW53	CHRYSENE	SW8270	10 U		UG/L	10
MW534	MW53	DI-n-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW534	MW53	DI-n-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW534	MW53	DIBENZO(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW534	MW53	DIBENZO(b,f)ANTHRACENE	SW8270	10 U		UG/L	10
MW534	MW53	DIBENZO(k,l)ANTHRACENE	SW8270	10 U		UG/L	10
MW534	MW53	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW534	MW53	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW534	MW53	FLUORANTHENE	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quarter	Units	Detection Limit
MW534	MW53	FLUORENE	SW8270	10 U		UG/L	10
MW534	MW53	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW534	MW53	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW534	MW53	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW534	MW53	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW534	MW53	INDENO(1,2,3-c,d)PYRENE	SW8270	10 U		UG/L	10
MW534	MW53	ISOPHORONE	SW8270	10 U		UG/L	10
MW534	MW53	N-NITROSODI-N-PROPYLAMINE	SW8270	10 U		UG/L	10
MW534	MW53	N-NITROSODIPHENYLAMINE	SW8270	10 U		UG/L	10
MW534	MW53	NAPHTHALENE	SW8270	10 U		UG/L	10
MW534	MW53	NITROBENZENE	SW8270	10 U		UG/L	10
MW534	MW53	NITROBENZENE-D5	SW8270	74		UG/L	0
MW534	MW53	PENTACHLOROPHENOL	SW8270	5 U		UG/L	5
MW534	MW53	PHENANTHRENE	SW8270	10 U		UG/L	10
MW534	MW53	PHENOL	SW8270	10 U		UG/L	10
MW534	MW53	PHENOL-D5	SW8270	64		UG/L	0
MW534	MW53	PYRENE	SW8270	10 U		UG/L	10
MW534	MW53	TERPHENYL-D14	SW8270	73		UG/L	0
MW544	MW54	ETHANE	SW3810	0.79 U		UG/L	0.79
MW544	MW54	ETHENE	SW3810	0.82 U		UG/L	0.82
MW544	MW54	METHANE	SW3810	0.41 U		UG/L	0.41
MW544	MW54	ALUMINIUM	SW6010	37.9 U		UG/L	7.9
MW544	MW54	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW544	MW54	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW544	MW54	BARIUM	SW6010	87 J		UG/L	0.48
MW544	MW54	BERYLLIUM	SW6010	0.02 U		UG/L	0.02
MW544	MW54	CADMIUM	SW6010	0.1 U		UG/L	0.1
MW544	MW54	CALCIUM	SW6010	12400 =		UG/L	23.7
MW544	MW54	CHROMIUM TOTAL	SW6010	2.9 J		UG/L	1
MW544	MW54	COBALT	SW6010	0.6 U		UG/L	0.5
MW544	MW54	COPPER	SW6010	1 U		UG/L	1
MW544	MW54	IRON	SW6010	208 U		UG/L	3.0
MW544	MW54	LEAD	SW6010	1.3 U		UG/L	1.3
MW544	MW54	MAGNESIUM	SW6010	6400 =		UG/L	6.2
MW544	MW54	MANGANESE	SW6010	1.7 J		UG/L	0.53
MW544	MW54	NICKEL	SW6010	0.3 U		UG/L	0.3
MW544	MW54	POTASSIUM	SW6010	824 U		UG/L	824
MW544	MW54	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW544	MW54	SILVER	SW6010	0.5 U		UG/L	0.5
MW544	MW54	SODIUM	SW6010	15600 =		UG/L	114.2
MW544	MW54	THALLIUM	SW6010	1.6 U		UG/L	1.6
MW544	MW54	VANADIUM	SW6010	0.3 U		UG/L	0.3
MW544	MW54	ZINC	SW6010	7.6 U		UG/L	1.1

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MWS44	MWS4	MERCURY	SW7470	0.1	U	UG/L	0.1
MWS44	MWS4	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MWS44	MWS4	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MWS44	MWS4	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MWS44	MWS4	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MWS44	MWS4	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MWS44	MWS4	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MWS44	MWS4	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MWS44	MWS4	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	10	U	UG/L	10
MWS44	MWS4	2-HEXANONE	SW8260	10	U	UG/L	10
MWS44	MWS4	ACETONE	SW8260	10	U	UG/L	10
MWS44	MWS4	BENZENE	SW8260	10	U	UG/L	10
MWS44	MWS4	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MWS44	MWS4	BROMOFORM	SW8260	10	U	UG/L	10
MWS44	MWS4	BROMOMETHANE	SW8260	10	U	UG/L	10
MWS44	MWS4	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MWS44	MWS4	CARBON TETRACHLORIDE	SW8260	2	J	UG/L	10
MWS44	MWS4	CHLOROBENZENE	SW8260	10	U	UG/L	10
MWS44	MWS4	CHLOROETHANE	SW8260	10	U	UG/L	10
MWS44	MWS4	CHLOROFORM	SW8260	1	J	UG/L	10
MWS44	MWS4	CHLOROMETHANE	SW8260	10	U	UG/L	10
MWS44	MWS4	CHLOROPROPENE	SW8260	10	U	UG/L	10
MWS44	MWS4	CHLOROPROPENE	SW8260	10	U	UG/L	10
MWS44	MWS4	DIBROMOCHLOROMETHANE	SW8260	9	U	UG/L	10
MWS44	MWS4	DIBROMOFUOROMETHANE	SW8260	10	U	UG/L	10
MWS44	MWS4	ETHYLBENZENE	SW8260	10	U	UG/L	10
MWS44	MWS4	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MWS44	MWS4	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MWS44	MWS4	METHYLENE CHLORIDE	SW8260	2	J	UG/L	10
MWS44	MWS4	STYRENE	SW8260	10	U	UG/L	10
MWS44	MWS4	TETRACHLOROETHYLENE (PCE)	SW8260	2	J	UG/L	10
MWS44	MWS4	TOLUENE	SW8260	10	U	UG/L	10
MWS44	MWS4	TOLUENE-D8	SW8260	10	U	UG/L	10
MWS44	MWS4	TOTAL 1,2-DICHLOROETHENE	SW8260	12	=	UG/L	10
MWS44	MWS4	TOTAL Xylenes	SW8260	10	U	UG/L	10
MWS44	MWS4	TRANS-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MWS44	MWS4	TRICHLOROETHYLENE (TCE)	SW8260	180	=	UG/L	10
MWS44	MWS4	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MWS44	MWS4	1,2,4-TRICHLOROETHENE	SW8270	10	U	UG/L	10
MWS44	MWS4	1,2-DICHLOROETHENE	SW8270	10	U	UG/L	10
MWS44	MWS4	1,3-DICHLOROETHENE	SW8270	10	U	UG/L	10
MWS44	MWS4	1,4-DICHLOROETHENE	SW8270	10	U	UG/L	10
MWS44	MWS4	2,2-DICHLOROPROPANE	SW8270	10	U	UG/L	10
MWS44	MWS4	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50



DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MWS44	MWS4	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MWS44	MWS4	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MWS44	MWS4	FLUORANTHENE	SW8270	10 U		UG/L	10
MWS44	MWS4	FLUORENE	SW8270	10 U		UG/L	10
MWS44	MWS4	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MWS44	MWS4	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MWS44	MWS4	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MWS44	MWS4	INDENO(1,2,3-c,d)PYRENE	SW8270	10 U		UG/L	10
MWS44	MWS4	ISOPHORONE	SW8270	10 U	69	UG/L	10
MWS44	MWS4	N-NITROSODI-n-PROPYLAMINE	SW8270	10 U	5U	UG/L	10
MWS44	MWS4	N-NITROSODIPHENYLAMINE	SW8270	10 U		UG/L	10
MWS44	MWS4	NAPHTHALENE	SW8270	10 U		UG/L	10
MWS44	MWS4	NITROBENZENE	SW8270	10 U		UG/L	10
MWS44	MWS4	NITROBENZENE-D5	SW8270	69		UG/L	0
MWS44	MWS4	PENTACHLOROPHENOL	SW8270	5U		UG/L	5
MWS44	MWS4	PHENANTHRENE	SW8270	10 U		UG/L	10
MWS44	MWS4	PHENOL	SW8270	10 U		UG/L	10
MWS44	MWS4	PHENOL-D5	SW8270	63		UG/L	0
MWS44	MWS4	PYRENE	SW8270	10 U		UG/L	10
MWS44	MWS4	TERPHENYL-D14	SW8270	62		UG/L	0
MWS44D	MWS4	1,2,4-TRICHLOROENZENE	SW8270	10 U		UG/L	10
MWS44D	MWS4	1,2-DICHLOROENZENE	SW8270	10 U		UG/L	10
MWS44D	MWS4	1,3-DICHLOROENZENE	SW8270	10 U		UG/L	10
MWS44D	MWS4	1,4-DICHLOROENZENE	SW8270	10 U		UG/L	10
MWS44D	MWS4	2,2'-OXYBIS(1-CHLOROPROPANE)	SW8270	10 U		UG/L	10
MWS44D	MWS4	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MWS44D	MWS4	2,4,6-TRIBROMOPHENOL	SW8270	55		UG/L	0
MWS44D	MWS4	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MWS44D	MWS4	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MWS44D	MWS4	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MWS44D	MWS4	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MWS44D	MWS4	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MWS44D	MWS4	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MWS44D	MWS4	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MWS44D	MWS4	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MWS44D	MWS4	2-FLUOROBIPHENYL	SW8270	65		UG/L	0
MWS44D	MWS4	2-FLUOROPHENOL	SW8270	56		UG/L	0
MWS44D	MWS4	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MWS44D	MWS4	2-METHYLPHENOL (O-CRESOL)	SW8270	10 U		UG/L	10
MWS44D	MWS4	2-NITROANILINE	SW8270	50 U		UG/L	50
MWS44D	MWS4	2-NITROPHENOL	SW8270	10 U		UG/L	10
MWS44D	MWS4	3,3'-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20

DDMT March 1998  
4th Quarter Groundwater Analytical Results

#	Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
	MW544D	MW54	3-NITROANILINE	SW8270	50 U		UG/L	50
	MW544D	MW54	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
	MW544D	MW54	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
	MW544D	MW54	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
	MW544D	MW54	4-CHLOROANILINE	SW8270	10 U		UG/L	10
	MW544D	MW54	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
	MW544D	MW54	4-METHYLPHENOL (D-CRESOL)	SW8270	10 U		UG/L	10
	MW544D	MW54	4-NITROANILINE	SW8270	50 U		UG/L	50
	MW544D	MW54	4-NITROPHENOL	SW8270	50 U		UG/L	50
	MW544D	MW54	ACENAPHTHENE	SW8270	10 U		UG/L	10
	MW544D	MW54	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
	MW544D	MW54	ANTHRACENE	SW8270	10 U		UG/L	10
	MW544D	MW54	BENZO[ANTHRACENE]	SW8270	10 U		UG/L	10
	MW544D	MW54	BENZO[PYRENE]	SW8270	10 U		UG/L	10
	MW544D	MW54	BENZO[FLUORANTHENE]	SW8270	10 U		UG/L	10
	MW544D	MW54	BENZO[FLUORANTHENE]	SW8270	10 U		UG/L	10
	MW544D	MW54	BENZO[FLUORANTHENE]	SW8270	10 U		UG/L	10
	MW544D	MW54	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
	MW544D	MW54	DB[2-CHLOROETHOXY] METHANE	SW8270	10 U		UG/L	10
	MW544D	MW54	DB[2-CHLOROETHYL] ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
	MW544D	MW54	DB[2-ETHYLHEXYL] PHTHALATE	SW8270	2 J		UG/L	10
	MW544D	MW54	CARBAZOLE	SW8270	10 U		UG/L	10
	MW544D	MW54	CHRYSENE	SW8270	10 U		UG/L	10
	MW544D	MW54	DI-N-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
	MW544D	MW54	DI-N-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
	MW544D	MW54	DIBENZ[GH]ANTHRACENE	SW8270	10 U		UG/L	10
	MW544D	MW54	DIBENZOFURAN	SW8270	10 U		UG/L	10
	MW544D	MW54	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
	MW544D	MW54	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
	MW544D	MW54	FLUORANTHENE	SW8270	10 U		UG/L	10
	MW544D	MW54	FLUORENE	SW8270	10 U		UG/L	10
	MW544D	MW54	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
	MW544D	MW54	HEXACHLOROCYCLOHEPTADIENE	SW8270	10 U		UG/L	10
	MW544D	MW54	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
	MW544D	MW54	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
	MW544D	MW54	INDENOL (1,2,3-C) PYRENE	SW8270	10 U		UG/L	10
	MW544D	MW54	SOPHORONE	SW8270	10 U		UG/L	10
	MW544D	MW54	N-NITROSODI-N-PROPYLAMINE	SW8270	10 U		UG/L	10
	MW544D	MW54	N-NITROSODIPHENYLAMINE	SW8270	10 U		UG/L	10
	MW544D	MW54	NAPHTHALENE	SW8270	10 U		UG/L	10
	MW544D	MW54	NITROBENZENE	SW8270	10 U		UG/L	10
	MW544D	MW54	NITROBENZENE-D5	SW8270	69		UG/L	6
	MW544D	MW54	PENTACHLOROPHENOL	SW8270	5 U		UG/L	5

291 318

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW544D	MW54	PHENANTHRENE	SW8270	10 U		UG/L	10
MW544D	MW54	PHENOL	SW8270	10 U		UG/L	10
MW544D	MW54	PHENOL-D5	SW8270	61		UG/L	0
MW544D	MW54	PYRENE	SW8270	10 U		UG/L	10
MW544D	MW54	TERPHENYL-D14	SW8270	64		UG/L	0
MW554	MW55	HARDNESS (AS CaCO3)	E130.2	170 =		MG/L	5
MW554	MW55	TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	E160.1	208 =		MG/L	10
MW554	MW55	BICARBONATE	E310.1	50 =		MG/L	3
MW554	MW55	ALUMINIUM	SW6010	135 J		UG/L	7.9
MW554	MW55	ANTIMONY	SW6010	1.7 J		UG/L	1.7
MW554	MW55	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW554	MW55	BARIUM	SW6010	72.8 J		UG/L	0.48
MW554	MW55	BERYLLIUM	SW6010	0.13 U		UG/L	0.025
MW554	MW55	CADMIUM	SW6010	0.1 U		UG/L	0.1
MW554	MW55	CALCIUM	SW6010	10600 =		UG/L	23.7
MW554	MW55	CHROMIUM, TOTAL	SW6010	2.8 J		UG/L	1
MW554	MW55	COBALT	SW6010	0.93 J		UG/L	0.5
MW554	MW55	COPPER	SW6010	1 U		UG/L	1
MW554	MW55	IRON	SW6010	197 =		UG/L	3.6
MW554	MW55	LEAD	SW6010	1.3 U		UG/L	1.3
MW554	MW55	MAGNESIUM	SW6010	4710 J		UG/L	6.2
MW554	MW55	MANGANESE	SW6010	5.2 J		UG/L	0.53
MW554	MW55	NICKEL	SW6010	0.3 U		UG/L	0.3
MW554	MW55	POTASSIUM	SW6010	868 J		UG/L	824.5
MW554	MW55	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW554	MW55	SILVER	SW6010	0.5 U		UG/L	0.5
MW554	MW55	SODIUM	SW6010	19000 =		UG/L	114.2
MW554	MW55	THALLIUM	SW6010	1.8 U		UG/L	1.6
MW554	MW55	VANADIUM	SW6010	0.72 J		UG/L	0.31
MW554	MW55	ZINC	SW6010	8.8 J		UG/L	1.1
MW554	MW55	MERCURY	SW7470	0.1 U		UG/L	0.1
MW554	MW55	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW554	MW55	1,1,1,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW554	MW55	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW554	MW55	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW554	MW55	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW554	MW55	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW554	MW55	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW554	MW55	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	104		UG/L	0
MW554	MW55	2-HEXANONE	SW8260	10 U		UG/L	10
MW554	MW55	ACETONE	SW8260	10 U		UG/L	10
MW554	MW55	BENZENE	SW8260	10 U		UG/L	10
MW554	MW55	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID #	Station ID #	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW554	MW55	BROMOFORM	SW8260	10 U		UG/L	10
MW554	MW55	BROMOMETHANE	SW8260	10 U		UG/L	10
MW554	MW55	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW554	MW55	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW554	MW55	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW554	MW55	CHLOROETHANE	SW8260	10 U		UG/L	10
MW554	MW55	CHLOROFORM	SW8260	10 U		UG/L	10
MW554	MW55	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW554	MW55	cis-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW554	MW55	DI-BROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW554	MW55	DI-BROMOFLUOROMETHANE	SW8260	10 U		UG/L	0
MW554	MW55	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW554	MW55	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW554	MW55	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW554	MW55	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW554	MW55	STYRENE	SW8260	10 U		UG/L	10
MW554	MW55	TETRACHLOROETHYLENE (PCE)	SW8260	10 U		UG/L	10
MW554	MW55	TOLUENE	SW8260	10 U		UG/L	10
MW554	MW55	TOLUENE-DB	SW8260	10 U		UG/L	0
MW554	MW55	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW554	MW55	Total Xylenes	SW8260	10 U		UG/L	10
MW554	MW55	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW554	MW55	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW554	MW55	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW554	MW55	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW554	MW55	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW554	MW55	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW554	MW55	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW554	MW55	2,2-DIMETHYL-2-PROPANE	SW8270	10 U		UG/L	10
MW554	MW55	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW554	MW55	2,4,6-TRIBROMOPHENOL	SW8270	66		UG/L	0
MW554	MW55	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW554	MW55	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW554	MW55	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW554	MW55	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW554	MW55	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW554	MW55	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW554	MW55	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW554	MW55	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW554	MW55	2-FLUOROBIPHENYL	SW8270	72		UG/L	0
MW554	MW55	2-FLUOROPHENOL	SW8270	62		UG/L	0
MW554	MW55	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW554	MW55	2-METHYLPHENOL (o-CRESOL)	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quantities	Units	Detection Limit
MW554	MW55	2-NITROANILINE	SW8270	50 U		UG/L	50
MW554	MW55	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW554	MW55	3,3-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW554	MW55	3-NITROANILINE	SW8270	50 U		UG/L	50
MW554	MW55	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW554	MW55	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW554	MW55	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW554	MW55	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW554	MW55	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW554	MW55	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW554	MW55	4-NITROANILINE	SW8270	50 U		UG/L	50
MW554	MW55	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW554	MW55	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW554	MW55	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW554	MW55	ANTHRACENE	SW8270	10 U		UG/L	10
MW554	MW55	BENZO(a)ANTHRACENE	SW8270	10 U		UG/L	10
MW554	MW55	BENZO(b)PYRENE	SW8270	10 U		UG/L	10
MW554	MW55	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW554	MW55	BENZO(a,h)PERYLENE	SW8270	10 U		UG/L	10
MW554	MW55	BENZO(a,i)FLUORANTHENE	SW8270	10 U		UG/L	10
MW554	MW55	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW554	MW55	1,2-DICHLOROETHOXY METHANE	SW8270	10 U		UG/L	10
MW554	MW55	1,2-DICHLOROETHYL ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW554	MW55	1,2-DICHLOROETHYL PHthalate	SW8270	3 U		UG/L	10
MW554	MW55	CARBAZOLE	SW8270	10 U		UG/L	10
MW554	MW55	CHRYSENE	SW8270	10 U		UG/L	10
MW554	MW55	DI-n-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW554	MW55	DI-n-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW554	MW55	DIBENZO(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW554	MW55	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW554	MW55	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW554	MW55	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW554	MW55	FLUORANTHENE	SW8270	10 U		UG/L	10
MW554	MW55	FLUORENE	SW8270	10 U		UG/L	10
MW554	MW55	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW554	MW55	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW554	MW55	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW554	MW55	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW554	MW55	INDENO(1,2,3-c,d)PYRENE	SW8270	10 U		UG/L	10
MW554	MW55	ISOPHORONE	SW8270	10 U		UG/L	10
MW554	MW55	N-NITROSODI-n-PROPYLAMINE	SW8270	10 U		UG/L	10
MW554	MW55	N-NITROSODIPHENYLAMINE	SW8270	10 U		UG/L	10
MW554	MW55	NAPHTHALENE	SW8270	10 U		UG/L	10

DDMT March 1998  
4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Protective Goal	Units	Detection Limit
MW554	MW55	NITROBENZENE	SW8270	10 U		UG/L	10
MW554	MW55	NITROBENZENE-D5	SW8270	76		UG/L	0
MW554	MW55	PENTACHLOROPHENOL	SW8270	5U		UG/L	5
MW554	MW55	PHENANTHRENE	SW8270	10 U		UG/L	10
MW554	MW55	PHENOL	SW8270	10 U		UG/L	10
MW554	MW55	PHENOL-D5	SW8270	71		UG/L	0
MW554	MW55	PYRENE	SW8270	10 U		UG/L	10
MW554	MW55	TERPHENYL-D14	SW8270	71		UG/L	0
MW554	MW55	CHLORIDE (AS CL)	SW9036	13.2		MG/L	0.1
MW554	MW55	FLUORIDE	SW9036	0.1		MG/L	0.05
MW554	MW55	NITROGEN, NITRATE (AS N)	SW9036	2.9		MG/L	0.05
MW554	MW55	SULFATE (AS SO4)	SW9036	28.9		MG/L	0.1

**Appendix C**  
**Purge/Sample Logs**





## GROUNDWATER SAMPLING DATA SHEET

Client: ODMT  
 Location: Memphis, TN  
 Event: Quarterly Well Sampling  
 Date: 3/28/98  
 Weather: P. Cloudy, 70°, windy  
 Total Depth: 81.8 FT.(BTOC) ]  
 Depth to water: (-) 69.96 FT.(BTOC)  
 Water Column: 11.84 FT.  
 Well Volume: (x) 0.163 GAL/FT. [(2" DIA. = 0.163 GAL/FT.) (4" DIA. = 0.653 GAL/FT.)]  
 Total Purge Volume: 1.93 GAL. (1" DIA. = 0.041 GAL/FT.) (1 1/4" DIA. = 0.064 GAL/FT.)  
 Purge Device: Grandpore Pump 2/28/98 Bailor (disp. Teflon)

Well ID: MW-04  
 Sample ID: MW044  
 Sample Team: L. Fulow / CH2M Hill - ATL  
S. Allison / CH2M Hill - ATL

Measuring Device: Water Level Indicator  
 Date and Time: 3/20/98 - 3/23/98 1751  
 WELL DIAMETER Sand 3/28/98

### FIELD PARAMETERS

Time	Cum. Purge Vol (gals)	Temp., °C	Cond. mS/cm	DO (mg/L)	pH	Redox (mV)	Turbidity (ntu)	Color / Odor / Comments
0944	0	-	-	-	-	-	-	Begin purge
0945	1 <sup>st</sup> Bailor	17.95	0.301	14.43	5.97	118	4.2	clear
0952	2 gallons	17.50	0.278	13.46	6.13	122.8	1541	silty
0959	4 gallons	17.46	0.255	11.56	5.96	134.2	1541	Silty
1012	6 gallons	17.47	0.259	12.74	6.07	145.1	1542	Silty - End purge - stable
				* see note below				

Sample information: method, container number, size, and type, preservative used, etc.

TALMET, 1L HDPE, HNO3 pH<2; VOA, 40 ml vial, HCl, pH < 2.0, 4 deg C;

Sample Time: 1630  
 Sample Appearance: Metals - clear to sl. opaque. The rest silty  
 Notes: DO elevated due to bailoring. All samples were collected with a Teflon bailer.

Signed by:

*S. Allison*

Date

3/28/98



















## GROUNDWATER SAMPLING DATA SHEET

Client: DDMT

Well ID: MW-14

Location: Memphis, TN

Sample ID: MW144

Event: Quarterly Well Sampling

Date: 3/25/98

Sample Team: D. Martin / CH2M HILL / ATL

Weather: 60s, sunny, very windy

T. Cooper, CH2M HILL / ATL

Total Depth: 78.5 FT.(BTOC) 1

Measuring Device: Water Level Indicator

Depth to water: (-) 71.6 FT.(BTOC)

Date and Time: 3/25/98 1501

Water Column: art 49 FT.

WELL DIAMETER

71.7 ft below TOC

(2) 0.17 GAL/FT. [ (2" DIA. = 0.163 GAL/FT.) (4" DIA. = 0.653 GAL/FT.) ]

Well Volume: 1.7 GAL. (1" DIA. = 0.041 GAL/FT.) (1 1/4" DIA. = 0.064 GAL/FT.)

Total Purge Volume: 15.5 GAL.

Purge Device: Grundfos pump = 1.2 gpm, dedicated tubing (Nalgene)

### FIELD PARAMETERS

Time	Cum. Purge Vol (gals)	Temp., °C	Cond. mS/cm	DO (mg/L)	pH	Redox (mV)	Turbidity (ntu)	Color / Odor / Comments
1418	0	-	-	-	-	-	-	dark brown / started purging
1429	10	19.19	0.007	8.22	5.98	196.2	278.922	clear
1429	11.5	11.3	0.026	7.00	5.95	193.8	278.978	clear
1431	13.0	15.33	0.281	5.93	5.96	192.8	41.0	clear
1434	15.5	14.16	0.272	5.8	5.96	196.5	44.1	clear
1448	15.5	-	-	-	-	-	-	clear / finished purging parameters stable

Sample information: method, container number, size, and type, preservative used:

FS, 1L HDPE, H2SO4 pH<2; SVOC, 2L Amber Glass, 4 deg C; TALMET, 1L HDPE, HNO3 pH<2; VOA, 40 ml vial, HCl, pH < 2.0, 4 deg C;

Sample Time: 1439 - 3/25/98

Sample Appearance: clear

Notes:

- Also collected duplicate sample.
- Collected bench top turbidity sample.
- Collected VOAs at 1441 - did not boil or turn off pump.
- Collected second set of VOAs at 1455 - boiled w/ Teflon boiler - labeled MW14.
- 4 samples but VOAs collected thru pump discharge line.
- lowered screen interval to collect VOAs

Signed by: Jana Cooper

3/25/98

Date

## GROUNDWATER SAMPLING DATA SHEET

Client: DDMT  
 Location: Memphis, TN  
 Event: Quarterly Well Sampling  
 Date: 8/28/98  
 Weather: Sunny, breezy 80°

Well ID: MW-15  
 Sample ID: MW154  
 Sample Team: T. Propper / D. Morrison

Total Depth: 78.4 FT.(BTOC)  
 Depth to water: (-) 64.2 FT.(BTOC)  
 Water Column: 14.2 FT.  
 Well Volume: (x) 0.17 GAL/FT. (2" DIA. = 0.163 GAL/FT. (4" DIA. = 0.653 GAL/FT.))  
 Total Purge Volume: 2.47 GAL. (1" DIA. = 0.041 GAL/FT.) (1 1/4" DIA. = 0.064 GAL/FT.)  
 Purge Device: 2" Dia Grundfos Submersible Pump / YSI 610 B Water Quality Meter

Measuring Device: Water Level Indicator  
 Date and Time: 1420 70

WELL DIAMETER  
 (2" DIA. = 0.163 GAL/FT. (4" DIA. = 0.653 GAL/FT.))  
 (1" DIA. = 0.041 GAL/FT.) (1 1/4" DIA. = 0.064 GAL/FT.)

### FIELD PARAMETERS

Time	Cum. Purge Vol (gals)	Temp., °C	Cond. mS/cm	DO (mg/L)	pH	Redox (mV)	Turbidity (ntu)	Color / Odor / Comments
1424	5	22.12	0.013	8.74	6.02	225.5	226.1	Slightly Cloudy
1426	7	25.34	0.010	6.72	6.12	225.7	242.7	Slightly Cloudy
1430	9	26.88	0.009	6.25	5.99	223.7	238.6	Slightly Cloudy
1432	11	19.52	0.056	6.58	6.22	147.4	220.1	Clear
1434	13	19.58	0.216	7.16	5.89	133.5	216.7	Clear
1438	17	18.17	0.216	6.91	5.75	174.4	145.9	Clear
1440	19	18.12	0.216	6.83	5.72	181.4	95.1	Clear

Sample information: method, container number, size, and type; preservative used:  
 TALMET, 3L HDPE, HNO3 pH<2; VOA, 40 ml vial, HCl, pH < 2.0, 4 deg C;  
Collected Voc., metal and turbidity

Sample Time: 1445  
 Sample Appearance: Clear - low Turbidity

Notes: Collected all samples thru pump discharge line

Signed by: [Signature] Date: 8/28/98





## GROUNDWATER SAMPLING DATA SHEET

Well ID: DDMT

Well ID: MW-20

Location: Memphis, TN

Sample ID: MW204

Event: Quarterly Well Sampling

Date: 3/25/98

Sample Team: D. Morrison | CH2M Hill | ATL

Weather: 60s, Sunny, windy

T. Propp, CH2M Hill | ATL

Total Depth: 98.6 FT. (BTOC) |

Measuring Device: Water Level Indicator

Depth to water: (-) 84.30 FT. (BTOC)

Date and Time: 3/25/98

Water Column: 14.22 FT.

WELL DIAMETER

(x) 0.17 GAL/FT. [(2" DIA. = 0.163 GAL/FT.) (4" DIA. = 0.653 GAL/FT.)]

Well Volume: 2.42 GAL.

(1" DIA. = 0.041 GAL/FT.) (1 1/4" DIA. = 0.064 GAL/FT.)

Total Purge Volume: 16 GAL.

Purge Device: Grundfos pump w/ 1/2" dia, dedicated tubing (Nalgene)

### FIELD PARAMETERS

Time	Cum. Purge Vol (gals)	Temp., °C	Cond. mS/cm	DO (mg/L)	pH	Redox (mV)	Turbidity (ntu)	Color / Odor / Comments
1107	0	-	-	-	-	-	-	brown / began purging
1114	5	18.02	0.272	8.13	5.88	192.0	82.0	clear
1118	9	18.97	0.272	8.56	5.86	195.9	50.4	clear
1122	11	18.97	0.271	8.48	5.77	200.4	35.2	clear
1124	14	19.01	0.272	8.45	5.86	202.9	20.4	clear
1127	16	18.95	0.272	8.43	5.86	200.4	17.7	clear
1128	16	-	-	-	-	-	-	clear / finish purging parameters stable

Sample information: method, container number, size, and type, preservative used: SVOC, 2 L Amber Glass, 4 deg C; TALMET, 1L HDPE, KND3 pH<2; VOA, 40 ml vial, HCl, pH < 2.0, 4 deg C;

Sample Time: 1128 3/25/98

Sample Appearance: clear

- Notes:
- Also collected duplicate & MS(MSD) samples.
  - Collected bench top turbidity sample.
  - Collected VOA's at 1130 - did not bail or turn off pump.
  - Collected second set of VOA's at 1159 - bailed w/ Teflon liner. - labeled MW20
  - measured water level after sampling at 1205 to be 84.25 ft. below TOC.
  - All sampled but VOA's collected w/ 1/4" dia pump discharge line.
  - lowered boiler to screen interval to collect VOA's.

Signed by: Jane Propp Date: 3/25/98



# CH2MHILL

Project Number: 113530.23.03

291 342

## GROUNDWATER SAMPLING DATA SHEET

DDMT Well ID: MW-22  
 Location: Memphis, TN Sample ID: MW224  
 Event: Quarterly Well Sampling  
 Date: 3/27/98 Sample Team: D. Maxson, Chris Hill/ATL  
 Weather: 60s, sunny, windy. Te Kroger, Chris Hill/ATL  
 Total Depth: 107.0 FT.(BTOC) 1 Measuring Device: Water Level Indicator  
 Depth to water: (-) 96.04 FT.(BTOC) Date and Time: 3/24/98  
 Water Column: 10.54 FT. WELL DIAMETER  
 Well Volume: (x) 0.17 GAL/FT. [(2" DIA. = 0.163 GAL/FT.) (4" DIA. = 0.653 GAL/FT.)]  
 Total Purge Volume: 1.86 GAL. (1" DIA. = 0.041 GAL/FT.) (1 1/4" DIA. = 0.064 GAL/FT.)  
 Purge Device: new disposable Teflon bailer

### FIELD PARAMETERS

Time	Cum. Purge Vol (gals)	Temp., °C	Cond. mS/cm	DO (mg/L)	pH	Redox (mV)	Turbidity (ntu)	Color / Odor / Comments
1731	2.5	18.39	0.489	8.90	6.26	102.4	1530.3	reddish brown
1740	5	20.00	0.479	9.22	6.55	93.6	1530.5	reddish brown
1745	5.3	19.64	0.412	10.75	6.32	115.1	1496.7	reddish brown
8/28/98	5.3	19.94	0.373	8.44	6.00	217.4	147.7	H. yellow

Sample information: method, container number, size, and type, preservative used:  
 FS, 1L HDPE, H2SO4 pH<2; SVOC, 2 L Amber Glass, 4 deg C; TALMET, 1L HDPE, HNO3 pH<2; VOA, 40 ml vial, HCl, pH < 2.0, 4 deg C;  
**MEE**

Sample Time: 3/27/98, 1747 - FS, SVOC, VOA, MEE ; 3/28/98 0755 - metals  
 Sample Appearance: reddish brown

Notes:  
 \* Sample is very turbid and not representative of formation water  
 - Metals sample and benchtop turbidity sample taken next day (3/28/98) at B100117 a new 1" Teflon bailer. The bailer was left above the water overnight.

Signed by: Jana O. Pappas Date: 3/27/98









# CH2MHILL

Project Number: 113630.23.03

291 347

## GROUNDWATER SAMPLING DATA SHEET

Well ID: DDMT  
 Location: Memphis, TN  
 Event: Quarterly Well Sampling  
 Date: 3/24/98  
 Weather: 60, cloudy

Well ID: MW-28  
 Sample ID: MW284  
 Sample Team: Don Marion  
Tara Plazek

Total Depth: 69 FT.(BTOC)  
 Depth to water: (-) 56.49 FT.(BTOC)  
 Water Column: 12.50 FT.  
 Well Volume: 2.13 GAL.  
 Total Purge Volume: \*60 GAL.  
 Purge Device: Grundfos Pump @ 1.5 gpm / dedicated tubing #100

Measuring Device: Water Level Indicator  
 Date and Time: 3/24/98

WELL DIAMETER  
 [(2" DIA. = 0.163 GAL/FT.) (4" DIA. = 0.653 GAL/FT.)]  
 (1" DIA. = 0.041 GAL/FT.) (1 1/4" DIA. = 0.064 GAL/FT.)

### FIELD PARAMETERS

Time	Cum. Purge Vol (gals)	Temp., °C	Cond. mS/cm	DO (mg/L)	pH	Redox (mV)	Turbidity (ntu)	Color / Odor / Comments
12:30	2.6	18.23	0.176	<del>5.87</del>	5.46	148.0	307	Light brown staining
12:40	2.16	18.25	0.177	<del>5.87</del>	5.5	208.0	77	Clear
12:50	2.26	18.22	0.168	5.87	5.99	219.7	115	Clear
12:53		18.44	0.178	5.1	5.86	232.8	24.5	Clear
12:56		18.25	0.178	4.91	5.70	244.9	18.0	Clear
12:59		18.27	0.180	5.06	5.57	226.1	12.3	Clear
1:03	6.0	18.19	0.179	4.99	5.56	226.8	10.8	Clear end purge

Sample information: method, container number, size, and type, preservative used:

SVOC, 2 L Amber Glass, 4 deg C; TALMET, 1L HDPE, HNO3 pH<2;

Sample Time: 1302 3/24/98  
 Sample Appearance: Clear

Notes:

Signed by:

Tara Plazek

Date

3/24/98







Project Number: 113830.23.03

## GROUNDWATER SAMPLING DATA SHEET

Client: DDMT

Well ID: MW-32

Location: Memphis, TN

Sample ID: MW324

Frequency: Quarterly Well Sampling

Date: 3/27/97

Sample Team: P. Navion, C. Hedd Hill / JRL  
P. Navion, C. Hedd Hill / JRL

Weather: 70s, sunny

Total Depth: 68.0 ~~189.55~~ FT.(BTOC) 1

Measuring Device: Water Level Indicator

Depth to water: (-) 58.7 FT.(BTOC)

Date and Time: 3/27/97 - 0947

Water Column: 9.3 FT.

WELL DIAMETER

(x) 0.17 GAL/FT. [ (2" DIA. = 0.163 GAL/FT.) (4" DIA. = 0.653 GAL/FT.) ]

Well Volume: 1.58 GAL.

[ (1" DIA. = 0.041 GAL/FT.) (1 1/4" DIA. = 0.064 GAL/FT.) ]

Total Purge Volume: 12 GAL.

Purge Device: Armadillo pump, dedicated Nalgene tubing

### FIELD PARAMETERS

Time	Cum. Purge Vol (gals)	Temp., °C	Cond. mS/cm	DO (mg/L)	pH	Redox (mV)	Turbidity (ntu)	Color / Odor / Comments
1022	0	-	-	-	-	-	-	Begin purge
1028	2.0	17.72	0.816	6.65	5.64	207.8	31.8	clear
1030	4.0	17.72	0.822	6.12	5.61	210.6	23.0	clear
1031	6.0	17.38	0.805	6.14	5.61	220.4	25.0	clear
1033	8.0	17.22	0.813	5.97	5.59	229.9	7.4	clear
1035	12.0	-	-	-	-	-	-	End purge - stable

Sample information: method, container, number, size, and type, preservative used.

FS, 1L HDPE, H2SO4 pH<2; TALMET, 1L HDPE, HNO3 pH<2; VOA, 40 ml vial, HCl, pH < 2.0, 4 deg C; WQ, 1L HDPE, None;

MEE, (3) 40ml vials, None

Sample Time: FS, metals, WQ - 3/27/97 - 1035; VOA, MEE - 3/27/97 - 1038

Sample Appearance: clear

Notes:

- All samples collected thru pump discharge line.
- bench top turbidity sample collected thru pump line.

Sampled by: Jane D. Propper

3/27/97

Date





## GROUNDWATER SAMPLING DATA SHEET

ID: DDMT  
 Location: Memphis, TN  
 Event: Quarterly Well Sampling  
 Date: 3/30/08  
 Weather: 70s, partly cloudy, windy  
 Total Depth: 88.38 FT.(BTOC) 1  
 Depth to water: (-) 70.85 FT.(BTOC)  
 Water Column: 17.53 FT.  
 Well Volume: (x) 8.17 GAL/FT. [ (2" DIA. = 0.163 GAL/FT.) (4" DIA. = 0.653 GAL/FT.) ]  
 Total Purge Volume: 3.08 GAL. [ (1" DIA. = 0.041 GAL/FT.) (1 1/4" DIA. = 0.064 GAL/FT.) ]  
 Purge Device: Grounding pump, dedicated nitrogen tubing

Well ID: MW-35  
 Sample ID: MW354  
 Sample Team: S. Allison, CH2M Hill / ATL  
T. Proyer, CH2M Hill / ATL  
D. Newton, CH2M Hill / ATL  
 Measuring Device: Water Level Indicator  
 Date and Time: 3/23/08, 1114

### WELL DIAMETER

### FIELD PARAMETERS

Time	Cum. Purge Vol (gals)	Temp., °C	Cond. mS/cm	DO (mg/L)	pH	Redox (mV)	Turbidity (ntu)	Color / Odor / Comments
1114	0	-	-	-	-	-	-	Begin purge
1116	1	18.06	0.262	5.85	5.87	153.9	271.5	cloudy
1120	4	19.53	0.252	5.34	5.83	161.2	120.8	opaque
1124	8	18.89	0.254	5.40	5.82	172.3	38.2	slightly opaque
1131	12	19.14	0.256	5.36	5.82	185.7	16.9	clear
1136	17	19.17	0.255	5.40	5.83	197.3	7.6	clear
1141	20	18.90	0.254	5.40	5.82	203.0	5.1	clear
1146	26	19.88	0.255	5.30	5.86	207.0	3.1	clear
1154	30	19.04	0.251	5.42	5.87	213.4	1.6	clear / End purge / Sample

Sample information: method, container number, size, and type; preservative used.

FS, 1L HDPE, H2SO4 pH<2; SVOC, 2 L Amber Glass, 4 deg C; TALMET, 1L HDPE, HNO3 pH<2; VOA, 40 ml vial, HCl, pH < 2.0, 4 deg C;

Sample Time: 3/30/08, 1205  
 Sample Appearance: clear

Notes:

- Flow = 0.5 gpm
- Collected 23 SVOCs, metals, VOCs thru pump discharge line in line after 455 (100) flow cell.
- Collected inductives, MS/MSD, and solids.
- Collected benchtop turbidity samples thru pump discharge line after 455 (100) flow cell.
- H diesel fumes from nearby heavy equipment.

Signed by: Jana O. Purper 3/30/08  
 Date





Project Number: 113630.23.03

## GROUNDWATER SAMPLING DATA SHEET

SUDMT  
 Well ID: MW-37  
 Location: Memphis, TN  
 Sample ID: MW374  
 Sampling Frequency: Quarterly Well Sampling  
 Date: 3/27/98  
 Sample Team: D. McVernon, C. Wood Mill / ATL  
 T. Proger, C. Wood Mill / ATL  
 Depth: 183.55 FT.(BTOC) | Measuring Device: Water Level Indicator  
 Water Level: (-) 124.6 FT.(BTOC) | Date and Time: 3/27/98 - 0949  
 Column: 58.15 FT. | WELL DIAMETER  
 Volume: 10.02 GAL. | [(2" DIA. = 0.163 GAL/FT.) (4" DIA. = 0.653 GAL/FT.)]  
 Sample Volume: 37.0 GAL. | [(1" DIA. = 0.041 GAL/FT.) (1 1/4" DIA. = 0.064 GAL/FT.)]  
 Device: Groundwater pump, dedicated tubing (Galvanneal-reinforced)

### FIELD PARAMETERS

Cum. Purge Vol (gals)	Temp. °C	Cond. mS/cm	DO (mg/L)	pH	Redox (mV)	Turbidity (ntu)	Color / Odor / Comments
0	-	-	-	-	-	-	Begin purge
1.2	19.15	0.357	11.51	6.57	14.3	435.8	a little cloudy
13.5	19.27	0.358	11.25	6.55	5.0	340.0	a little cloudy
14.5	19.36	0.328	2.12	6.58	0.8	362.0	lt yellow
16.0	19.39	0.359	6.8	6.54	-9.1	372.6	clear
18.0	19.41	0.364	9.69	6.55	-15.0	119.0 NTU 3" intake	clear
20.0	19.45	0.362	8.43	6.55	-15.4	152.0	clear
22.0	19.41	0.370	2.91	6.54	-17.9	78.7	clear
24.0	19.31	0.372	1.75	6.56	-21.6	84.7	clear
26.0	19.70	0.373	1.57	6.56	-21.9	NA 124.5" intake	clear
27.0	19.84	0.374	4.07	6.57	-22.2	NA 219.3" intake	clear
32.0	19.65	0.378	1.52	6.54	-21.9	NA 428.0" intake	clear
35.0	19.87	0.376	1.48	6.54	-22.0	NA 505.9" intake	clear
37.0	19.92	0.375	1.82	6.53	-21.9	NA	clear
37.0	-	-	-	-	-	-	End purge - stable

Information: method, container number, size, and type, preservative used

Amber Glass, 4 deg C; TALMET, 1L HDPE, HNO3 pH<2; VOA, 40 ml vial, HCl, pH < 2.0, 4 deg C; WO, 1L HDPE, None;

Time: 1153 3/27/98  
 Appearance: clear

Inaccurate readings due to accumulation of sediments in flow thru cell of SYZ 6100. Had split samples for SUDCs, metals, and VOCs. 20.5 gpc. any collected thru pump discharge line. also water sample from pump line for benchtop turbidity measurements.

Jana D. Proger 3/27/98  
 Date



Project Number: 113630.23.03

## GROUNDWATER SAMPLING DATA SHEET

Client: DDMT

Well ID: MW-39

Location: Memphis, TN

Sample ID: MW394

Frequency: Quarterly Well Sampling

Date: 3/27/98

Sample Team: J. Maxlow, CH2M Hill / KSL

Weather: 70s, sunny, windy

T. Pinger, CH2M Hill / KSL

Total Depth: 115.07 FT.(BTOC)

Measuring Device: Water Level Indicator

Depth to water: (-) 101.63 FT.(BTOC)

Date and Time: 3/27/98 - 0933

Water Column: 13.56 FT.

WELL DIAMETER

(2) 0.17 GAL/FT. [(2" DIA. = 0.163 GAL/FT.) (4" DIA. = 0.653 GAL/FT.)]

Well Volume: 2.34 GAL.

(1" DIA. = 0.041 GAL/FT.) (1 1/4" DIA. = 0.064 GAL/FT.)

Total Purge Volume: 8.0 GAL.

Purge Device: Groundhog pump, dedicated colony (reinforced)

### FIELD PARAMETERS

Time	Cum. Purge Vol (gals)	Temp., °C	Cond. mS/cm	DO (mg/L)	pH	Redox (mV)	Turbidity (ntu)	Color / Odor / Comments
1539	0	-	-	-	-	-	-	Began pulsing / 10 min
1632	0	-	-	-	-	-	-	began purging again (1 min)
1640	5	21.05	0.328	12.50	6.05	132.2	65.8	clear
1642	6	21.04	0.327	11.68	6.05	143.9	49.1	clear
1644	7	21.17	0.325	11.40	6.04	150.4	35.5	clear
1646	8	21.09	0.013	11.28	6.03	152.7	30.2	clear
1646	8	-	-	-	-	-	-	End purge - stable

Sample information: method, container number, size, and type, preservative used:

SVOC, 2 L Amber Glass, 4 deg C; TALMET, 1L HDPE, HNO3 pH<2; VOA, 40 ml vial, HCl, pH < 2.0, 4 deg C;

Sample Time: 3/27/98 - 1648

Sample Appearance: Clear

Notes:

- Turned off pump to allow recharge.
- All samples (including bench top turbidity) collected three pump discharge (one)

Signed by: Jana O Pinger

3/27/98  
Date





# CH2MHILL

Project Number: 113830.23.03

291 362

## GROUNDWATER SAMPLING DATA SHEET

Point: DDMT Well ID: MW-42  
 Location: Memphis, TN Sample ID: MW424, MW 424D, & MW 424M  
 Type: Quarterly Well Sampling  
 Date: March 27, 1998 Sample Team: L. Furlow / CH2M Hill - ATL  
 Weather: warm, 70's S. Allison / CH2M Hill - ATL  
 Total Depth: 59.1 FT.(BTOC) 1 Measuring Device: Water Level Indicator  
 Depth to water: (-) 53.00 FT.(BTOC) Date and Time: 3/27/98: 1502  
 Water Column: 6.1 FT. WELL DIAMETER  
 Well Volume: (x) 0.16 GAL/FT. [(2" DIA. = 0.163 GAL/FT.) (4" DIA. = 0.653 GAL/FT.)]  
 Total Purge Volume: 3 GAL. (1" DIA. = 0.041 GAL/FT.) (1 1/4" DIA. = 0.064 GAL/FT.)  
 Purge Device: new, disp. Teflon Bailer

### FIELD PARAMETERS

Time	Cum. Purge Vol (gals)	Temp., °C	Cond. mS/cm	DO (mg/L)	pH	Redox (mV)	Turbidity (ntu)	Color / Odor / Comments
0958	1st Bailer	17.56	0.223	14.06	7.27	127.4	22	clear, Begin purge
0903	1 gal	17.50	0.206	12.56	6.83	124.9	20.8	opaque
0908	2	17.42	0.219	11.32	6.23	156	23.5	cloudy, Well Dry - end purge
				↑				elevated due to bailing

Sample information: method, container number, size, and type, preservative used:

PPMMET, 1L HDPE, HNO3 pH=2, VOA, 40 ml vial, HCl, pH < 2.0, 4 deg C;

plus ~~3/27/98~~ metals DUP & MS/MSD.

- 3.40 ml UOC's for MEE analysis (no preserv.)

Sample Time 3/27/98: 1505

Sample Appearance metals-clear

#### Notes:

- collect desk-top turbidity sample (after metals)
- bailed well due to slow recharge
- DO concentrations are elevated due to bailing (suspect)
- used same Teflon bailer to purge & sample well.
- collected DUP & MS/MSD samples (metals)

S d by:

Lilla J. Fu

3/27/98

Date















## GROUNDWATER SAMPLING DATA SHEET

ID: DDMT  
 Location: Memphis, TN  
 Event: Quarterly Well Sampling  
 Date: March 25 1998  
 Weather: overcast windy (6'S)

Well ID: MW-50  
 Sample ID: MW504  
 Sample Team: L. Furlow / CH2M Hill-ATL  
S. Allison / CH2M Hill-ATL

Total Depth: 129.18 FT.(BTOC) |  
 Depth to water: (-) 84.94 FT.(BTOC)  
 Water Column: 44.24 FT.  
 Well Volume: (x) 0.163 GAL/FT. [ (2" DIA. = 0.163 GAL/FT.) (4" DIA. = 0.653 GAL/FT.) ]  
 Total Purge Volume: 7 GAL. [ (1" DIA. = 0.041 GAL/FT.) (1 1/4" DIA. = 0.064 GAL/FT.) ]  
 Purge Device: Grundfos pump, dedicated Nalgene tubing

 Measuring Device: Water Level Indicator

 Date and Time: 3/23/98 0818

WELL DIAMETER

### FIELD PARAMETERS

Time	Cum. Purge Vol (gals)	Temp., °C	Cond. mS/cm	DO (mg/L)	pH	Redox (mV)	Turbidity (ntu)	Color / Odor / Comments
1028	0	—	—	—	—	—	—	Begin purge
1033	5	19.82	0.872	5.57	5.75	100.9	374	clear + sl. cloudy
1034	6	—	—	—	—	—	—	BTOW = 86 ft
1035	7	20.18	0.878	5.37	5.75	103.8	329	sl. cloudy
1045	14	20.42	0.900	5.12	5.73	111.7	237	v. sl. cloudy
1054	—	—	—	—	—	—	—	(opaque)
1100	22	20.32	0.916	5.00	5.70	124.7	145.4	clear. End purge-stable.

Sample information: method, container number, size, and type; preservative used

SVOC, 2 L Amber Glass, 4 deg C; TALMET, 1L HDPE, HNO3 pH<2; VOA, 40 ml vial, HCl, pH < 2.0, 4 deg C;

Sample Time: 3/25/98 1105

Sample Appearance: clear

Notes:

- All samples but VOC's collected thru pump discharge line.
- VOC's collected (after pulling pump) w/ new, disp. section bailer.
- collect water sample from pump line for desk-top turbidity measurement
- lower bailer to even interval to collect VOC's.

Signed by: Jill J. Zula

3/25/98

Date











**Appendix D**  
**Field Notes**

D D M T

Quarterly Well

Sampling

113630 23 03



"Kite in the Hand"

ALL-WEATHER

Mining Vest

No 323

D D M T

Quarterly Well

3/23/48

Team A - Book 7



3/23/98

Let DO probe sit (to achieve w-saturated air).

DO = 107.9%

DO = 998 mg/L

- calib to w-saturated air

PH

→ after read 4.00

- read 4.05 of 4.00 Buffer

cast # 872-24-7 - solution

Mixed 3/2/98

- read 6.99 before calib,

read 7.00 after of 7.00 buffer

CAS # 7558-79-4

Conductivity

- read 9963 of 10,000 us/cm

lot # 92F0260 of YSI 3168

exp. 12/98

Redox

- YSI 3682 Zobell Sol

Mixed 3/2/98, lot # 99A0937

exp. 1/00

Lillian Furlow

-4-

3/23/98

-5-

0920 Go get badge

Redox Cont.

read 238.2 prior to cal.

read 236.5 after cal

Bob Trebble

Turbidity / Point DI WATER

Prior to cal = -2.2 NTU

After cal = 0.00 NTU

0955 Back @ office

1001 Go over H&S plan (Dan Marion) & project instructions for groundwater sampling

1143 Sign for H&S plan

Bob Trebble Puttrell 3/23/98

Lillian Furlow Fuller

Elizabeth Germinaro Elizabeth Germinaro

Tara O. Preper Tara O. Preper

Steven W. Allison Steven W. Allison

Daniel Marston Daniel Marston

Lillian Furlow

- 2 -

3/23/98

1429 MW-51 well headspace (OVM) = NM-OVM  
 DTGW BToc (N. side) = 37.33 ft. <sup>net measure</sup>

1438 MW-30 DTGW BToc (N. side) = 43.02 ft.

1446 MW-40 DTGW BToc (N. side) = 76.80 ft.

1502 MW-42 (Behind church) DTGW BToc (N. side) = 53.00 ft.

1514 MW-44 DTGW BToc (N. side) = 49.20 ft.

1527 MW-31 DTGW BToc (N. side) = 64.15 ft.

1536 MW-32 DTGW BToc (N. side) = NM ft. <sup>see note</sup>

1537 MW-37 DTGW BToc (N. side) = NM ft.

Notes: wells made some thing up (copying) before 3/23/98

-6- 3/23/98

1230 Lunch. Go buy tools.

1328 back on site. Collect equipment for water level measurements

1348 Begin collecting w. levels. Use w. level indicator. Devon probe between wells w/ De'ionized water.

1355 MW-53 DTGW BToc = 72.75 ft. Well Headspace (OVM) = 0 ppm

1406 Go pick up w. level indicator (oppo.)

1408 MW-52 DTGW BToc (N. side) = 72.75 ft.

1418 MW-45 well head Hsp = 0 ppm DTGW BToc (N. side) = 53.60 ft.

five f furlon

five f furlon

-8-

3/23/98

1539 MW-33 (under truck)  
DTGW BTOC (N. side) = 47.75 ft.

1553 MW-41  
DTGW BTOC (N. side) = <sup>71.00</sup> 64 ft.  
65.20

1602 MW-48  
DTGW BTOC (N. side) = 78.68 ft.

1610 MW-47  
DTGW BTOC (N. side) = 101.50 ft.

1620 MW-36  
DTGW BTOC (N. side) = 147.08 ft.

1627 MW-49  
DTGW BTOC (N. side) = 76.54 ft.

1633 MW-28  
DTGW BTOC (N. side) = 56.49 ft.

1640 MW-46  
DTGW BTOC (N. side) = 50.94 ft.

Site of 76

3/23/98

-9-

1652 MW-8  
DTGW BTOC (N. side) = 85.08 ft.

1658 MW-29  
DTGW BTOC (N. side) = 36.66 ft.

1706 MW-9  
DTGW BTOC (N. side) = 71.43 ft.

1712 MW-7  
DTGW BTOC (N. side) = NM ft.  
OBSTRUCTION @ 119.9 ft unloaded

1719 MW-2  
DTGW BTOC (N. side) = 23.77 ft.

1719 MW-10  
DTGW BTOC (N. side) = 57.81 ft.

1723 MW-3  
DTGW BTOC (N. side) = 62.30 ft.

1728 MW-11  
DTGW BTOC (N. side) = 69.40 ft.

1736 MW-05  
DTGW BTOC (N. side) = <sup>2.310</sup> 78 ft.  
74.5

No well of Site of Furrow

-10-

3/23/98

1741 MW-35

DTGW Bore = 70.26 ft (N. side)

1745

MW-12

DTGW Bore = 71.09 ft (N. side)

1751

MW-14 (4)

DTGW Bore = 69.96 (N. side)

1755

MW-13

DTGW Bore (N. side) = 68.10 ft.

DTGW

1758

MW-6

DTGW Bore (N. side) = 58.24 ft.   
 - needs a compression cap.

1804

MW-15

DTGW Bore (N. side) = 64.20 ft.

1809

MW-14

DTGW Bore (N. side) = 71.60 ft.

1816

MW-36 (34)

DTGW Bore (N. side) = NM ft.

- data logger in well.

Bill J. Furlow

3/23/98

-11-

1817 Finished collecting  
E.S.

1825 Back to field office.

1845 Leave site

Bill J. Furlow

Bill J. Furlow

-12-

3/29/98  
 Date: Tuesday March 24, 1998  
 Time: 0715 - 1830  
 Weather: AM - Slightly overcast, slight breeze and cool  
 PM - Overcast, Breezy, 55%  
 Activity: Water sampling from wells.  
 Location: MW36  
 Equipment: Water level Meter  
 Submersible pump  
 PIP: OVM  
 10KW generator  
 Water level Indicators  
 Personnel: L. Furlow  
 S. Allison  
 Visitors: D. Marion  
 T. Propper.

*[Signature]*  
 3/24/98

*[Signature]* 3/24/98

3/27/98 TEAM A Book 1 -13-

0715 Arrive at site  
 0720 Assemble Sample kits.  
 0800 Morning Meeting  
 1000 Walk-start to get ~~samples~~ samples  
 1105 Arrive at MW36  
 1110 Set up equipment for sampling of MW36  
 1155 Begin BP Pumping  
 1215 Stopped pumping - Could not get sufficient voltage with generator under load to pump water  
 1217 Go to team B to see if we can switch generators.  
 1230 Return from team B. Will try pumping again. This time we will turn off the throttle control.  
 1233 The generator still does not have sufficient output. We are going to change it out.  
 1455 Return to site of MW36  
 1503 Start pumping  
 1503 Take Readings

*[Signature]* 3/24/98

-14-

- 3/24/98 TEAM A Book 1
- 1512 Take readings Vol = 10 gal
- 1516 Depth to water is: 170.10' BTOC  
Slowed Pump - Frequency on Groundfos = 30 Hz
- 1526 Take readings Vol = 20 gal
- 1534 Take readings Vol = 30 gal
- 1539 Take readings Vol = 35 gal
- 1543 Take readings Vol = 40 gal  
DTW = 169.5 BTOC
- 1550 Collect Samples MW036 and MW 036D.
- 1600 Clean up Sampling equipment
- 1650 Drop off Pecon water at the Poly. tank.
- 1700 Pack and Ship Samples



Gerald Estman 3/24/98

-15-

3/24/98 TEAM A Book 1

MW036

Time	Curry Vol	Temp	Cond	DO	PH	Rebo	Turb
1509	0.6	20.15	0.139	6.57	7.02	33.0	112
1512	10	20.05	0.194	3.53	6.89	-104.3	1166
Reduced Pump Speed - DTW = 170.10 BTOC							
1526	20	16.85	0.215	3.52	6.75	-118.1	292.9
1534	30	19.74	0.227	3.54	6.71	-120.1	254
1539	35	19.84	0.230	3.56	6.73	-135.9	187
1543	40	19.91	0.232	3.57	6.70	-127.0	200
Final Reading							
1549	45	20.14	0.237	3.52	6.66	-128.7	182

Time Color/Odor/Comments

1503 Clear

1512 Grey and Silty

1526 Slightly Cloudy

1534 Slightly Cloudy

1539 Slightly Cloudy

1543 Slightly Cloudy DTW = 169.5 BTOC

1548 Slightly Opague

General Comments:

Turbidity never stabilized. It fluctuated between 180 and 200.

Gerald Estman 3/24/98

Gerald Estman 3/24/98

-16- WED. March 25, 1998

0723 ARRIVE DT SITE

With - predict 70's

PERSONNEL:L. Fulow (scribe) - CH2M HILLCATL  
S. ALLISON - CH2M HILLCATLOBJECTIVES:- PURGE & SAMPLE  
MW - 41, 50, 52

0730 CK PLS LOGS &amp; LOGBOOKS

0758 Begin YSI 610 CALIB.  
- Use same lot #5 &  
Solutions as 3/23/98pH  
I read 4.03 prior to  
calib, 4.00 after of  
4.00 buffer  
- read 6.98 prior to calib.  
7.00 after of 700 buffer

Eric Fulow

3/25/98

-17-

DO (w saturated air)  
- read 10.52 of 10.00 mg/L  
read 9.919 after calibrationConduc.- read 9.739 of 10 ms/cm sol.  
prior to calibration,  
10.00 afterTurbidity- read 0.5 prior read 0.1  
after calibration of deion  
waterRedox- read 208 prior, 236 after  
of 236 mV solution0829 Proceed to MW - ~~41~~ <sup>41</sup>0843 Set up to purge MW-41  
w/ Grundfos pump.0907 Begin purging MW-41 w/  
Grundfos pump & nalgene  
tubing.

Eric Fulow

-18- 3/25/98

0908

MW-41

TD<sub>head</sub> = 67.1 ft.DTGW<sub>BTOC</sub> = 65.20

- Pump set at 66 ft.

- will try to pump even w/ minimal water column.

0909

MW-41 did not pump.  
Poll pump out - will bail well.

0910

Begin bailing MW-41 w/ new disp. Teflon bailer.

Purge vol = 1/3 gallons

0909

MW-41 purged dry w/ quart. Hang bailer above pot compression cap on well, but can't use original b/c can't unlock it w/ ill. Sample well later.

Sill J. Furlow

3/25/98

-19-

0941 Move to MW-50.

0952 Set up on MW-50.

TD = 112.18 ft (BTOC)

DTGW = 84.85 ft (BTOC) measured 3/25/98

Purge vol = 7 gallons

1028 Begin Purging MW-50

w/ Grundfos pump &amp; dedicated Valgera tubing.

1100 End purge - stable - water clear.

1105 Sample MW-50

SVOCs - Amber (14)

TAL Metals - w/ MW03 (14)

- collect samples thru pump discharge line

- IDS: MW504

- clarity of metals sample clear.

- poll pump &amp; collect VOCs using new disp.

- w/ new Teflon bailer

Sill J. F.

-20- 3/25/98

1131 Secure well. Police site.  
Return to field office.1134 Go to MW-41 to try  
to collect gw samples.1145 Sample MW-41 w/  
new disp. Teflon bailer  
(same bailer used to  
purge well).

- 3 VOC's w/ HCL (Yone)

- 1-1L HDPE w/ HNO<sub>3</sub>- 1<sup>m</sup> 3/25/98 PPM metals- 3 VOC's  $\Rightarrow$  Methane,

ethane, ethane w/o

preservative. Use

new bailer. b/c

threw away old one  
before collecting MEE.

- ID (MWH)

1215 Lunch.

1305 Back at site. Empty  
purge water into poly tank  
Site J. Furlow

3/25/98

-21-

1415 Decon Grundfos pump  
One pump must have  
a short b/c it is  
not working & the  
generator circuit breaker  
is kicking on.1511 Move to MW-52.  
set up to purge well.

TD = 105.0

DTGW = 79.64 (3/25/98: 0820)

1 purge vol = 4 gallons

1538 Begin purging MW-52  
w/ Grundfos pump &  
dedicated tubing.

1554 End purging MW-52 - stable

1600 Sample MW-52 thru  
purge discharge line

ID: MW 524

- 5 VOC's (11L Amber)

- One metal (11L HDPE w/ HNO<sub>3</sub>)- also collect desktop turbidity  
sample

File for

-22

3/25/98

SAMPLES (cont.) (M.W. 52)

- pull pump tubing.
- collect VOC samples w/ new, disp. Teflon bailers.
- Note: 40 ml had small bubbles - label PH 207.
- 13 VOC's w/ HCL (40 ml)

1630 Go to poly tank to dispose of purge water.

1720 At field office - Unload truck. decon pump.

1740 Pack coolers.

Steve J R

3/25/98

-23-

Steve J R

Steve J R

-24-

3/26/98 Team A Book 1

0720 Arrive at site

Date Thursday March 26, 1998

Weather AM - Overcast and cool (v6p)

PM - Sunny and warm (75°)

Activity Well sampling from MW24,  
MW4p, MW4qEquipment Water level Indicator  
Submersible Pump  
10kw GeneratorGrounds Pumps Controller  
Teflon Boiler / Nylon Turbine  
Dedicated Nalgene Tubing  
YSI 610D Parameter Meter  
with flow cellPersonnel: L. Furlow / CHAM HILL / ATC  
S. Allison / CHAM HILL / ATC (Scribe)

Visitors: B. Trumble

K. Germinaro

D. Morrison

F. Proger

3/26/98


3/26/98

3/26/98 Team A Book 1 - 25-

0724

Begin calibration of the  
YSI 610D parameter's meterDO:

Reads 9.98 before Calibration

Reads 9.99 after Calibration

Conductivity

Reads 9.78 before Calibration

Reads 10.07 after Calibration

T = 21.04PH

Reads 4.03 before Calibration

Reads 3.99 after Calibration

Reads 6.98 before Calibration

Reads 7.00 after Calibration

TurbidityWith saturated air turbidity  
of deionized water reads

-0.8 before Calibration and

0.0 after Calibration

Redox

Reads 235.2 before Calibration

Reads 236.3 after Calibration

The same solution lot #5

as 3/22/98 were used.



3/26/98

-26-

5/26/98 Book 1 Team A

0825 Arrive at MW24 and begin to

set up.

0850 Begin pumping MW24

0851 Take initial reading

Flow is low: less diameter than pencil. Water is brown silty.

0900 Pump position tubing separated at splice went down hole and pump stuck. bring to get equipment to retrieve.

1800 Pump still stuck in hole. Closing down for K. check.

*[Signature]*  
3/26/98

3/26/98 Team A Book 1 -27-

*[Large signature]*

*[Signature]*  
3/26/98

-28-

Friday March 27, 1998

0650 Arrive on site.

with: Predict 70's, rain  
in late PM.

OBJECTIVES

- SAMPLE MW-42

MW-44 & 45

MW-22

PERSONNEL:

- L. Furlow / scribe / Chem Hill-ATL
- S. Allison / Chem Hill-ATL

0658 Begin calibrating USE 610.

pH

- read 3.99 prior to calib,
- 4.06 after 4.00 buffer
- read 6.94 prior to calib,
- 7.00 after 7.00 buffer

Steve J. Furlow

3/27/98

-29-

DO (w. saturated air)

- read 11.96 at 10mg/L before calibration.
- read 9.98 after calibration.

Conduc

- read 9.91 of 10MS/cm sol prior to calibration, 10.03 after.
- T = 21.15

Turbidity

- read 0.3 of ~~the 5.1 calibration solution~~
- 0.0 Deionized water prior to calibration.
- read 0.0 after calibration.

Redox

- read 233.5 of 236 mV solution before, read 236.1 after.

0750 Move to MW-2.

0803 Truck stuck in mud.

0810 OHM pulls truck out.

Steve J. F.

-30- 3/27/98

0821 MW-2

TD = 35 ft  
DTGW = 23.77 (BTOD) ft.  
1 purge vol = 1.8 gallons

0825 Begin purging MW-2  
w/ new, <sup>dr</sup> (10 poor recharge) bailer.

0832 End purging MW-2 -  
well slow to recharge  
& was purged dry.  
H and bailer aboard  
w. table. Will return  
in PM to sample.

0837 move to MW-42

TD = 59.1 ft  
DTGW = 53.00 ft BTOD  
1 purge vol = 1 gallon.

0847 Gate to church is locked  
Park on road & carry  
staff to MW-42.

Sully

3/27/98

-31-

→ bk poor recharge

0858 Begin bailing MW-42 w/  
new disp. Teflon bailer

Initial bailer:  
pH = 7.27  
DO = 14.06 mg/L ~ b/c bailing  
conduc = 0.223 mS/cm  
T = 17.56 °C  
Redox = 127.4 mV  
Turbi. = 22 NTU - clear

0908 MW-42 1 gallon

pH = 5.83  
DO = 12.56 mg/L  
Conduc = 0.206 mS/cm  
Redox = 124.9 mV  
T = 17.50 °C  
Turbi. = 70.8 NTU - opaque  
- starting to draw down

0908 MW-42 2 gallons - well dry -  
end purge.

pH = 6.33  
DO = 11.42 mg/L  
Conduc = 0.219 mS/cm  
Redox = 156 mV  
T = 17.42 °C  
Turbi. = 235 NTU cloudy

Full go

291 392

-32-

3/27/98

0914

More to MW-45  
TD = 68.18 ft  
DTGW<sub>ETC</sub> = 53.60

1 purge vol = 2 gallons

0928

Begin purging MW-45  
w/ new disp. Teflon  
bailer. (b/c Bob has our only  
initial  
bailer)

T = 18.95 °C

DO = 11.16 mg/L

Redox = -16.3 mV

Conduc = 0.447 mS/cm

pH = 6.28

turb. = 1,548 NTU muddy.

0938

MW-45 : 2 gallons

T = 18.49 °C

DO = 8.68 mg/L

Redox = 37.5 mV

Conduc = 0.356 mS/cm

pH = 6.35

turb = 1,547 NTU silty

Sub f. 2

3/27/98

-33-

0947 MW-45:

4 gallons

T = 18.97 °C

DO = 7.95 mg/L

Redox = 84.5 mV

Conduc = 0.333 mS/cm

pH = 6.18

turb. = 1,549 NTU - silty

0956 MW-45 : 6 gallons

T = 19.12 °C

DO = 7.61 mg/L

Redox = 112 (112) mV } Bailing

Conduc = 0.379 mS/cm

pH = 6.12

turb = 1,550 NTU - silty

- end purg. DO/redox not

stable b/c of baili-

ing bails above waterline.

0959 Return to office to

pick up equip.

1032 Go to Sean Phillips

office to pick up pkg

Sub f. 2

-34-

3/27/98

1036 Sean Phillips gives us note for Dan + plgs.  
 1 - stable not splitting samples (don't wait on G)  
 vertic. soil samples  
 Video tape - tell Shawn  
 2 - may have resistant come out by Shawn to watch gw sampling (Mr. Bond)  
 3 - chaset D of water & containers - wait to  
 4 - ~~more~~ dispose of month  
 5 - ~~wait for~~ see note about weekend #'s  
 - call security if can't find anyone.

1051

move to MW-44

TD = 73.02 ft.

DTGW BAC = 49.20 ft.

1 purge vol = 3.8 gallons

1110 Begin purging MW-44 w/ new disp. Teflon bailer.

Bill J

3/27/98

-35-

1111 1st bailer MW-44  
 PH = 6.50  
 conduct = 0.423 mS/cm  
 DO = 10.12 → elev. ble bailed  
 Redox = 23.5 mV  
 Turb. = 1203 NTU - silty  
 T = 18.24°C  
 MW-44 : 3 ~~gallons~~ gallons  
 PH = 6.59  
 Conduct = 0.323 mS/cm  
 DO = 9.86 mg/L  
 Redox = 79.9 mV  
 turb = 255 NTU - silty  
 T = 17.51°C

1134

refill MW-44 : 8 gallons

PH = 6.41

conduct = 0.345 mS/cm

DO = 9.47 mg/L

redox = 125 mV

turb = 615 NTU silty

T = 18.20°C

Bill J

391 391

-36-

3/27/98

1152 MW-44: 12 gallons

PH = 6.25

Cond = 0.348 ms/cm

T = 18.88 C

Turb = 616 NTU silty

DO = 11.16 mg/L

Redox = 132 MV

- stable (except DO b/c bailed)

- hang bailer above water

1155 Go to walmart to pick up well sampling supplies. Get lunch

1159 call Spencer Hail - Lab

MW25 - 2 times 1751 others

MW38 - 2 times 1753 VOCs

MW38 - 2 times 1532

MW38 - 2 times 1555

MW-19 - 2 dates 3/25 1222

MW-19 - 2 dates 3/26 855

M + Bep. Designations  
from the

3/27/98

-37-

1415 Collect bottles for samples.

1440 Sample MW-2 w/ same Teflon bailer used to purge wells.

ID (MW02H) Dup Met's (MW02HD)

- 3 VOC's (40 ml) w/HCL

- 1 TAC Metals; 1 Liter

clear -> HDPE w/HNO3 - collect desktop turbidity sample

1505 Sample MW-42 w/ same bailer ID (MW424)

- 3 VOC's (40 ml) w/HCL

- 3 MET's (40 ml) w/no preser.

- 1 - PPL metals 1 L HCl w/ HNO3

- collect DUP of MS/MSD MW42D + stub

- not Met's or VOC (MW42H) Dup Met's (MW42HD)

- collect desktop turbidity sample

Site # 7

-38-

3/27/98

1545 Sample MW-45 w/  
 Same Teflon bailer used  
 to purge well  
 - ID [MW454]  
 - 1 SVOC (2l Amber)  
 - 1 TAC Metals w/ HNO<sub>3</sub>  
 (1 L HDPE)  
 - 3 VOC's 40ml VOC's w/ HCl  
 plus DUP: [MW454D]  
 - 3 VOC's w/ HCl (40ml)  
 - collect desktop turbidity  
 sample

1625

Sample MW-44 w/ same  
 bailer (Teflon) used  
 to purge well.  
 ID [MW444]  
 • VOC's: 3 w/ HCl 40ml  
 Plus DUP: [MW444D] 3 foils  
 Plus MS/MSD: [MW444M]  
 → PPH Metals: 1 L HDPE w/  
 HNO<sub>3</sub>  
 • MEE: 3-40 ml w/ preser.  
 - collect desktop turbidity  
 sample  
 Full p r

3/27/98

-39-

1705 Back @ field office -  
 pack samples & load  
 equipment.  
 (1st go empty purge water)  
 No one is there to office  
 pump - return to office

1735 Go to poly tank to  
 pump purge water (discharge  
 up a pump)

1815 Back at office.  
 Fill out paperwork

Full p r

Full p r

-40-

3/28/98 Team A Book 1

0720

Arrive at Site

Date: Saturday, March 28, 1998  
Weather: AM - Partly Cloudy and Windy  
Cool (65)

PM - Same

Activity: Well Sampling at NW 40  
MW 44, MW 54

sub 3/28/98

Equipment: Water Level Indicator

Submersible Pump

10 kW Generator

Groundfence Pump and Controller  
Teflon Bailer and Trawl

Dedicated Volgens Tubing  
YSI 610D Parameter Meter

with flow cell.

Personnel: L. Finkler / CH2M HILL / ATC

S. Allison / CH2M HILL / ATC (subs)

Visitors: Curtis Smith / neighbor

*Spencer Allan* 3/28/98

*Spencer Allan* 3/28/98

3/28/98 Team A Book 1

-40-

0730

Calibrate the YSI 610D

The same solutions were used as 3/23/98.

Initially the meter was not reading conductivity.

We mixed with the cable leading to the probe and it started.

DO

Let instrument equilibrate with water - saturated

the Reads 11.89 before

Calibration, 10.01 after

Calibration.

pH

Read 7.01 before Calibration

Read 7.00 after Calibration

Read 3.96 before Calibration

Read 4.00 after Calibration

Conductivity

Reads 9.996 before Calibration

Reads 10.01 after Calibration

T = 21.94

291 397

*Spencer Allan* 3/28/98

*Spencer Allan* 3/28/98

-42-

3/28/98 Team A Book 1

Rebox

Reads 230.1 before calibration

Reads 10.01 after calibration

0870

5. Elmin 5/20/98

Turbidity

Reads 1.4 before calibration

Reads 0.0 after calibration

0810

Morning Meeting

We redistributed some of the samples. we will be working on wells number 40, 4, 54.

We need to take a split

on the well number 54

for VOC, SVOC, and Metals.

When we do the metals,

we will only collect the

VOC, SVOC, and Metals.

Learn office to find Teams

to get Pky dot 10kW generator.

Return to office to get generator

Proceeded to 9100th. Van's deputy

Arrive at MW04.

Total Depth of MW04 = 81.8

*[Signature]* 3/28/98

3/28/98 Team A Book 1 -43-

Depth to water = 69.96 from TDC

Water Column = 11.84 feet

Sample Purge Volume = 19.3 gal

Total Purge Volume = 5.8 (46) gal

0994

Begin Purging

1st Bailor parameter readings

0945

Water was clear

0952

Two gallons purged - take

readings. Water is brown

silty

0959

Four gallons purged - take

readings. Water is brown

silty.

1002

Well appears to be drawing

down.

1012

Six gallons purged - take

readings. Water is brown

silty

All purging done with

bailor and turbine

Parameters stable, Do elevated

due to boiling

1016

Clear up site

1024

Back to office

*[Signature]* 3/28/98

291 398

-44-

3/28/98 Team A Book 1

- 1035 Leave for MW4p  
 1045 Arrive at MW4p  
 1050 Set up for purging  
 1107 Begin Purging  
 1109 No water coming - Restart  
 pump  
 1114 Begin Purge again.  
 1117 Purged Two gallons - take  
 readings - water clear  
 1120 Purged Three gallons - take  
 readings - water clear  
 1124 Purged (7) seven  
 gallons -  
 take readings  
 Collect sample  
 1129 There was heavy traffic  
 around well. We could  
 smell car exhaust while  
 sampling  
 Samples looked clear.  
 Collected FS, PPmetals, VOC,  
 MEE.  
 1143 Clean up site.  
 1425 Arrive at MW54  
 1436 The water level was not

Shirley Allen 3/28/98

3/28/98 Team A Book 1

-45-

- Previously measured. The measured  
 water level is 74.11 ft BTOC  
 1440 Purging information.  
 TD = 100.36  
 DTW = 74.11  
 Water Column = 26.25  
 Well Volume = 3.6  
 Total Purge Volume = 11 gal total  
 1442 Set up for purging.  
 1448 Begin Purging  
 1449 Purged 1 gal - took parameters  
 water looks slightly opaque.  
 1455 Purged 5 gal - take readings  
 1500 Purged 7.5 gal - take readings  
 1507 Purged 10 gal - take readings  
 1518 Purged 14 gal - take readings  
 1525 Collect Sample - Collect  
 MEE, SUOC, TAC metals, VOC  
 Dump on SUOC and Core  
 of Engineer Splits on VOC,  
 SUOC, Metals.  
 1550 Empty the waste water.  
 1615 Return to MW-04  
 1630 Sample MW-04 for Metals & VOC

291 399

Shirley Allen 3/28/98

-46- 3/28/98 Team A Book 1

1633 Finished sampling and clean  
up site. Head for the  
office.

17pp Check in samples.  
18pp leave site.

*[Handwritten signature]*

*[Handwritten signature]* - 3/28/98

3/28/98 Team A Book 1 -47-

*[Large handwritten signature]*

*[Handwritten signature]* - 3/28/98

-48-

3/30/98 Team A Book 1

0630 Arrive and setup  
Date: Monday March 30, 1998  
Weather: AM - Clear, Calm, (~65°)  
PM -

Activity: Well Sampling from  
and Miscellaneous activities  
Equipment: Water level Indicator  
Submersible Pump.  
Generator

Grundfos Pump and Controller  
Teflon Boiler and Turbine  
Dedicated Nalgene Tubing  
YSI 6100 Parameter Meter  
with flow cell

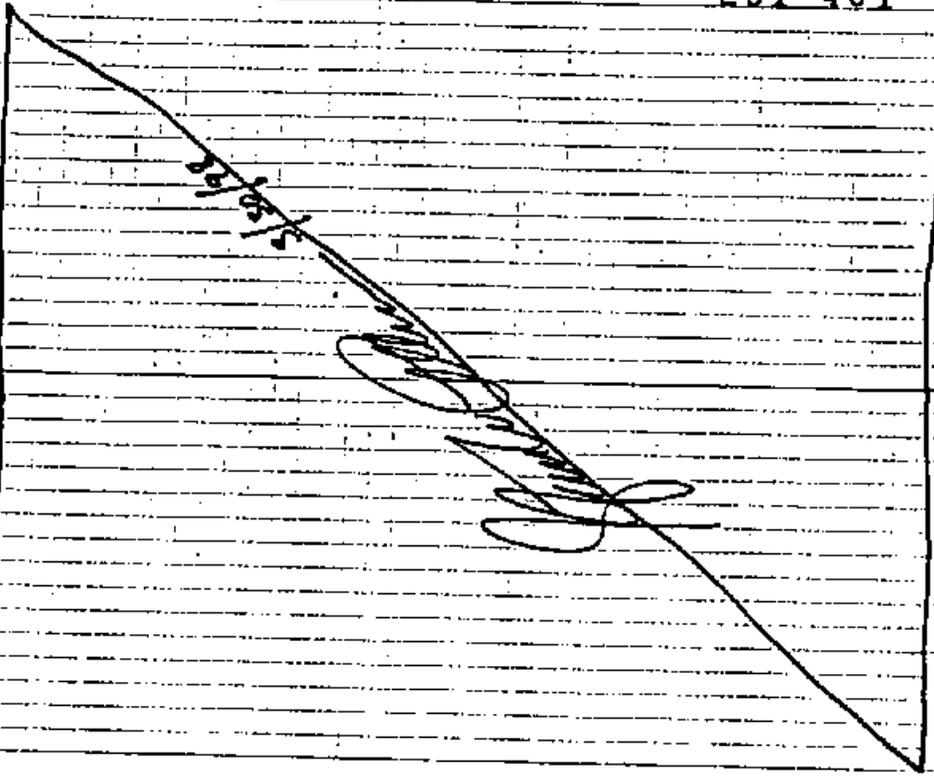
Personnel: S. Allison / CHEM HILL / ATC  
T. Proper / CHEM HILL / ATC  
Visitors: D. Marion  
B. Trumble  
K. Germinero

  
3/30/98

 3/30/98

3/30/98 Team A Book 1 -49-

0700 Arrive at site.  
0730 The day activities are  
being recorded in the  
Team B logbook.



291 401

 3/30/98

-50-

3/31/98 Team A Book 1

0700 Arrive at site

Date: Tuesday March 31, 1998

Weather: Overcast, windy, ~70°

Activity: Determine the water level of the ~~water~~ <sup>and</sup> 3/11/98 wells on latte and mine activities

Equipment: Water Level Indicator

Personnel: S. Allison / CHEM HILL / ATL

T. Propp / CHEM HILL / ATL

Visitors: D. Nation / CHEM HILL / ATL

B. Trelble / CHEM HILL / ANL

K. Germinero / CHEM HILL / MKE

3/31/98



3/31/98

Team A Book 1 3/31/98 -51-

0720

Go to take water levels.

MW50: DTGW = 84.67' from top of jagged part of well on N. side.

Well Condition: Top of well

Casing broken and jagged. Cannot lock.

Directions: S. on 1<sup>st</sup> left

on J street, in road on left at 1<sup>st</sup> bend in road.

MW26: DTGW = 99.24' from TOC on North side

Well Cond: good, needs new well cap.

Directions: between J street

and K street on 2<sup>nd</sup>

Well Cond (Cont): flush mount

Top (lid) does not fit well. (Cap is too high and hits on lid.)

0807 MW25: DTGW = 71.26' from TOC North

Well Cond: Casing, Cap, lock

in good condition. Concrete pad around flush mount is cracked and broken.

3/31/98

3/31/98 Team A Book 1

Directions: Directly south of pond on golf course down at bottom of hill. It is the well that is to the east. (there are two)

0815 MW 52 DTGW = 79.3' BTDC North side

Well Condition: Casing, Cap, Lock - good Condition. Concrete pad cracked and broken. Large niches and scratches in survey ~~but~~ <sup>spits</sup> marker. Key on key ring does not fit lock.

Directions: ~~on left side of~~ <sup>SW</sup> on north side of N street approx 100 yds east of 2nd street

0827 MW 23 DTGW = 97.94' BTDC North side

Well Condition: Casing, Cap, good Condition key on ring does not work in lock. Directions: South of building 873 on loop off of M street.

Lead 3/31/98  
Stanley Thomas 3/31/98

3/31/98 Team A Book 1 -53-

0846 MW 22 DTGW = 95.65' BTDC North well on side 3/31/98

Well Condition: Casing, Cap, good Condition. Lock will not close, it is not large enough to lock cap closed. Need lock with thicker bolt.

Directions: in the grass at the south west end of M street. Back to office to get rain gauge. Rain began at 4:45.

0907 MW 16 DTGW = 56.10' BTDC North

Well Condition: Casing, Cap good, Lock not operational. Directions: North east

0919 Corridor of DDAT installation.

MW 38 DTGW = 129.83' BTDC North

Well Condition: Casing, Cap good Condition, Lock not operational. Location: North side of DDMT

Stanley Thomas 3/31/98

-54-

3/31/98 Team A Logbook 1

Neelvation where railroad tracks cross Dunn road.

0924 MW18 DTGW = 130.69' BTOC North

Well Condition: Casing, Cap, good Condition. Lock not operational.

Location - Same as MW38 just a few feet to the south of MW38. (Near gate 15)

0934 MW55 DTGW = 68.96' BTOC North

Well Condition: Casing, Cap good. Casing Corroded. Secure cap with lock. And flush configuration.

Location: 100' east of the NE corner of DDMT Neelvation along access road.

0945 MW19 DTGW = 86.58' BTOC North

Location: at the corner of 27th Street and B Street about 200' to south of NE corner of DDMT Reclamation

Steve W. Johnson 3/31/98

-55-

3/31/98 Team A Logbook

Well Condition: Casing, Cap good Condition. Lock not operational.

0951 MW20 DTGW = 83.82' BTOC North

Location: NE of the large Red tower (40 yards) at the corner of G Street and 27th Street.

Well Condition: Casing and Cap good Condition. Lock not operational.

0957 MW21 DTGW = 92.89' BTOC North

Location: North of SE Corner (150 yards) along 27th Street

Well Condition: Casing and Cap good Condition. Lock is not used and not operational. Concrete pad cracked.

Flush mount is full of water. Cap to top.

0977 MW39 DTGW = 100.91' BTOC North

NE corner of Hwy 770 in the bend of the road (G Street)

Steve W. Johnson 3/31/98

291 404

3/31/98 Team A Book 1

Well Condition  
Cap and Lock - good condition.  
Lock was operational but difficult.

MW 27 DTGW = 91.27 ' BTDC North  
Location: Directly west of D Street next to the large pit of railroad tracks. (Enter the yard where the dumpsters are.)

Well Condition: Casing and top good condition. There was no lock on the well. Edges of concrete pad were chipped and missing.

MW 47 DTGW = 101.38 ' BTDC North  
Location: across the street from house at 2351 Budget Street North <sup>291</sup> 405

Well Condition: Casing top, good condition. Lock rusted shut need to cut off and replace

Steve W. Cotton 3/31/98

3/31/98 Team A Book 1

Additional Directions: To get to Budget Street, go along Bell Road to Rozella Road and turn onto Budget Street.

MW 48 DTGW = 78.55 ' BTDC North  
Location: on the NE corner of the inlet section of Sparks and Dempster St. Well Condition: Casing in good cond. well cap and lock need replacing. Concrete pad checked.

MW 41 DTGW = 65.08 ' BTDC North  
Location: NW of DDMT Reservation after the bend in Duin Road.

Well Condition: Casing in good condition. Cap seems OK. Lock in rusted cloud to cap will have to be cut off and replaced.

MW 53 DTGW = 72.42 ' BTDC North  
Location: at the corner

Steve W. Cotton 3/31/98

-58-

3/31/98 Team A Booth 1

of Dunn Road and Castalia Road (east side of Castalia

~30 yards from Dunn Road

Well condition: Casing in good condition. Cap stem ok, lock rusted on will have to be cut off and replaced.

MW45 DTGW = 53.32' BTOC North

Location: right in the bend of the road that Cornells Sapoloma and Hearst roads.

Well condition: Casing ok, cap appears ok, lock rusted on will have to be cut off and replaced. Minor cracks in concrete pad.

MW51 DTGW = 37.21' BTOC North

Location: 50 yards north of Pearson Ave on McLean St. (just west of RR tracks)

Well Condition: Casing and cap - good condition lock needs

Shirley Allen 3/31/98

3/31/98 Team A Booth 1 -59-

Replacng

1158 MW30 DTGW 43.93' BTOC North

Location: just west of Kyle road on Pearson Ave.

Above ground. Well Condition: Casing appears ok, Cap and lock OK.

Survey marker missing

1204 MW31 DTGW = 64.05' BTOC North

Location: around Rozelle street behind the power plant (substation)

Well Condition: Casing leaning to the NE. Cap, lock ok, TOC in good condition.

1220 Returns to office

1230 Get lunch

1250 Return to office

1340 MW33 DTGW 47.61' BTOC North

Location: Kyle St turns into Rozelle curved curve at end of Street behind dump truck.

Well Condition: Casing and cap

Shirley Allen 3/31/98

291 406

-60-

3/31/98 Team A Book 1  
were ok lock was a  
different kind. - needs to  
be replaced.

1355

MW32 DTGW = NAV, BTDC North  
Location: 200 yds. from  
from MW33 on the  
East side of road.  
Well Condition: good what  
could be determined.

This water level could  
not be collected due  
to the Corps equipment  
installed in the well.

1400

MW37 - Could not determine  
the Corps equipment  
was installed in well.

1407

MW54 DTGW = 74.10' BTDC North  
Location: Behind power  
station next to tracks  
(behind large towers).  
Well Condition: Casing, Cap  
and lock in good condition.  
Concrete pad very slightly  
cracked.

John W. Collins 3/31/98

3/31/98 Team A Book 1

1416

MW40 DTGW 76.41' BTDC North  
Location: on the corner  
of Rayon and person  
road. (NE corner ~ 30 yards  
from person road).  
Well Condition: casing in  
good condition, lock  
will need to be cut and  
removed. Casing appears ok.  
Concrete pad cracked on  
corner.

1425

MW42 DTGW = NAV, BTDC (N)  
Location: Behind the  
Greater Abysinian Missionary  
Baptist Church on Silver  
Street (in back of  
parking lot)

We could not open the  
well. The water in the  
flush mount was over  
the cap.

1433

MW44 DTGW = NAV  
Location: on sidewalk in  
front of 1784 Meadow Hill Trail

John W. Collins 3/31/98

291 407

-162-

3/31/98 Team A Book 1

The water was in the flush mount over the cap.

Return to MW42 to get water out of the mount w/ baggie.

It did not work.

Met w/ D. Marion and K. Germinero.

Going to the store to get a banister.

Return to MW42.

DTGW = 52.86' BTDC North. Remove the water from the flush mount.

DTGW = 52.86' BTDC North.

Well Condition - The top of casing is in good cond. The cap appears ok. The lock is sealed closed. Needs to be cut off and replaced.

Return to MW42

Remove the water from

Glenn Marion 3/31/98

-163-

5/31/98 Team A Book 1

The mount with the basket DTGW = 48.95' BTDC North. Well Condition - Casing ok. Lock is rusted shut and needs to be cut off and replaced.

1610 Back to the office.

1630 Go to Soil Sampling with group. Activity in Team C Logbook.

~~Glenn Marion 5/31/98~~

Glenn Marion

291 408

-64- 4/11/98

~~4/11/98~~  
~~[Signature]~~  
4/11/98

291 409

-65-

4/11/98

1030 Meet drillers and go to wells.  
 1050 Left drillers at MW 24 to get pump out  
 1210 Return from soil sampling. Drillers were waiting at office.  
 1235 Arrive at MW 27 with drillers.  
 1400 Leave well? It is piced and concuted.

~~4/11/98~~  
~~[Signature]~~  
4/11/98

END  
OF  
LOG

*[Handwritten signature]*

-66-

291 411

DDMT

Quarterly Well Sampling

113630.23.03



*"Rite in the Rain"*

ALL-WEATHER

Mining Transit

No 320

DDMT

Memphis, TN

3/28/98 -

Team B - Book 1



291 413

⑤

[Blank lined area]

7

②

[Blank lined area]

291 414

①

Blank lined section of the notebook page.

②

Blank lined section of the notebook page.

291 415

(9)

(7)

Monday, March 23, 1998

0715 Arrived onsite at Memphis Depot  
Organize sampling event.

Objectives

- organize equipment
- sample wells
- decon equipment
- site-wide water levels

Personnel  
(CH2M Hill)

- L. Furlow, T. Prober, P. Trebble,
- D. Nixon, S. Allison, K. Germanero

Weather

- Predict 60% chance of rain,  
cloudy

0900 Go over project instructions,  
help put sample kits together  
begin calibrating

0930 Got badges, facility tour

291-416

Jane Prober

(12)

3/23/98

- 0955 Return to office
- 1001 Go over H+S plan and project instructions (Dan Merim)
- 1200 Helped w/ sample kits
- 1207 Left for lunch
- 1328 Returned from lunch + supply pickup (Auto Zone)
- 1344 Went to measure water levels.
- 1825 Returned to field office.
- 1850 Left site for the day.

100  
 Dan Propper

Tuesday, 3/24/98

(13)

- 0740 Arrived onsite  
 Objectives  
 • Finish collecting water levels  
 • Organize equipment  
 • Sample wells  
 Personnel  
 C. Klein (MLD)  
 T. Propper, D. Merim, J. Furlow,  
 S. Allison, B. Wreble, F. Gervasio
- Weather  
 • Weather 60s partly cloudy
- 0745 Brief meeting - discussed  
 Health + Safety (lift capacity)  
 Ditch barn self on arrival/generator
- 0750 Organized equipment
- 0813 Calibrated instruments  
 YSI-G100  
 Pacific to Trench, Bobb-1 (3/23/98)  
 for Col numbers + expansion status  
 Jan Propper

291 417

(19)

3/24/98

Calibration and

YSI 6100 cond.

(did not change calibration values)

PO

Instr. mends have been <sup>agreed</sup> ~~agreed~~   
ing w/ moisture oversight.   
Calibrating to water saturated air.

Labeling instruments:

A - Serial # 173829 R

B - Serial # 175812 R

C - Serial # 187883 R

PO

A - Before cal read 10.6.10mg/L   
and 10.8.2.   
B - After read 9.99 and 10.00.

B - Before cal read 9.10mg/L and   
10.5.2

A - After read 9.98 and 9.62.

C - Before cal read 9.86mg/L and   
11.0.2.

Jan Purson

3/24/98

(20)

PO cond.

After cal read 9.99 and 9.98.

Conductivity

A - Read 10.15 of 10 mS/cm   
before cal. 10.00 After cal.

B - Read 10.08 of 10 mS/cm   
before cal. 10.00 After cal.

C - Read 10.00 of 10 mS/cm   
before cal. 10.00; after cal.

PH

A - Read 4.36 at 4.00 buffer   
before cal. Read 4.00 after cal.

B - Read 4.08 of 4.00 buffer   
before cal. Read 4.00 after cal.

C - Read 4.04 of 4.00 buffer   
before cal. Read 4.00 after cal.

291 418

Jan Purson

(16)

3/24/98

old cal.

- A - Read 7.32 of 7.00 buffer before cal. Read 7.00 after cal.
- B - Read 7.01 of 7.00 buffer before cal. Read 6.99 after cal.
- C - Read 6.98 of 7.00 buffer before cal. Read 7.00 after cal.

Kedox

- A - Read 269.4 of 236.1 mV before cal. Read 236.3 after cal.
- B - Read 365.7 of 236.1 mV before cal. Read 236.0 after cal.
- C - Read 235.5 of 236.1 mV before cal. Read 236.2 after cal.

Turbidity

- A - Read 1.6 of 0.0 NTU of DI H<sub>2</sub>O before cal. After cal read 0.0.
- B - Read 2.0 of 0.0 NTU of DI H<sub>2</sub>O before cal. After cal read 0.0.
- C - Read 0.8 of 0.0 NTU of DI H<sub>2</sub>O before cal. After cal read 0.0.

Jan Propp

3/24/98

(17)

- 1070 Organized equipment
- 1011 Left gas tanks to get gas for Bib's generator
- 1027 Returned to field office
- 1031 Well Volume = (TD - SWL) 0.17 ~~ft~~
- 1032 Well Vol = (86.64.15) 0.17
- (1) = 3.711
- (3) Well Vol = 11.14 gal
- 1038 Organized equipment
- 1101 ~~Organized equipment~~
- Left field office
- 1114 Arrived at well # 28
- 1128 Well Vol = (6.9 - 56.49) 0.17
- (3) Well Vol = 6.28 gal
- Set up sampling station
- 1135 Left well because far out taking back to field office
- 1140 Back at MW 28

Jan Propp

291 419

(16)

3/24/98

- 1141 Set up Grundfos pump at approx. 65 ft.
- 1216 Began pumping and purging.
- 1230 Groundwater parameter data located on GW Sampling Data Sheet.
- 1246 Turned off YSI 610D meter.
- Turned flow down from 197 to 150, then 170 liz
- 1248 Turned flow to 180 liz
- 1250 Turned YSI on
- 1251 Turned pump to 198 Hz (collected mixed samples (sucr, metals))
- 1302
- 1305 Turned off pump + generator.
- 1306 Purged approx. 60 gal. total.
- 1307 Cleaned site. MWD 55.
- 1327 Left site. MWD 89.
- 1330 Arrived at IAD disposal location

Jana Kruger

(19)

3/24/98

- 1338 Began disposing flow under pit at 1,000 gal flow tank.
- 1354 Finished IAD disposal.
- 1359 Looked for lost key.
- 1415 Left IAD disposal area.
- 1435 Arrived at field office for test room. Great.
- 1444 Documented pump.
- 1505 Left field office for Site MWD 31.
- 1514 Arrived at site. MWD 31 and set up sampling station.
- 1521 Set up Grundfos pump at approx. 80 feet.
- 1543 Began pumping + purging. (ADW has 17 flow liz).
- 1550 Groundwater parameter data located on GW Sampling Data Sheet.
- Completed YSI 610D meter. Pump at 260 liz.

Jana Kruger

291 420

(20)

3/24/68

1554 Slowed pump to 180 Hz.  
 1556 Increased pump to 230 Hz  
 1559 Increased pump and increased pump to 203 Hz.  
 1608 Collected samples from MW31 - SUPC, metals, PFS  
 1610 Turned off pump + generator. Purged approx. 35 gal.  
 1626 Collected UOAs + MEE.  
 1638 Cleaned Site MW31.  
 1640 Left Site MW31.  
 Arrived at field office <sup>8:00</sup> 3/24/68 to decom-pump complete shipping paperwork.  
 1654 Arrived at IDW location.  
 1659 Began disposing IDW water.  
 1705 Finished disposing IDW water.

Jane Kruger

3/24/68

(21)

1714 Left FDUW disposal area  
 1727 Arrived at field office to decom pump complete shipping paperwork.  
 1826 Finishing up paperwork.  
 1845? (Dyers) left site for the day.

Jane Kruger

(20)

Wednesday March 25, 1998

(21)

Arrived at field office  
 Old Seals Cove  
 • Sample wells  
 New sample  
 • Primer  
 • Williams R. Germination trouble  
 Weather  
 Predict AM - 50s, cloudy  
 PM - 70s, sunny  
 0725  
 0731  
 Even more equipment  
 Cullinated red drum  
 Vol I 6100  
 • Refer to Teams Book (Bredon)  
 • Put lot numbers + exp. date  
 • Put in for sale  
 • Did not change cell bracket  
 so windows  
 Do  
 • Put numbers + have books  
 • Put in for sale  
 • Put in for sale  
 • Put in for sale

291 422

Jana Page

Jana Page

(2)

3/25/98

DO cont.

Before cal read 12.17 mg/L and  
131.8 %

After cal read 9.99 mg/L and  
108.5 %

Conductivity

Read 9.05 at 8.00  
10.5/cm before cal.  
Read 10.01 after cal.

pH

Read 4.05 of 4.00 buffer before  
cal. Read 9.00 after cal.

Read 6.97 of 7.00 buffer before  
cal. Read 7.00 after cal.

Redox

Read 28.0 of 236.1 mV before  
cal. Read 236.1 after cal.

Turbidity

Read 1.3 of 0.0 NTU of 0.1 H<sub>2</sub>O  
before cal. After cal read ?  
YSI 6100 malfunctioned.

Jana O. Harper

3/25/98

(26)

- 0825 YSI meter malfunctioned  
not complete turbidity cal
- 0831 Organized equipment
- 0840 Left field office for site MW46
- 0919 Arrived at site MW46
- \*46 Well Vol = (70.95 - 50.97) 0.17  
= (20.0) 0.17  
= 3.40  
= 10.21 gal
- 0920 Set up sampling station
- 0927 Set up biosolids pump at  
office. Got H<sub>2</sub>O.
- 0936 began pumping and pouring.  
Could not correct low parameters  
due to YSI 6100 malfunction  
Sec. GW Sampling Matri. Shift  
for pump volume.  
H<sub>2</sub>O has redish color when  
first pumped.
- 0947 Collected 500L, metals  
collected
- 0988 Turned off pump
- 1000 Collected 100L

Jana Harper

291 423



(28)

3/25/88

- 1424 Started (SF 600). See GW parameters on GW sampling Data Sheets
- 1431 Collected SoCs, metals, FS.
- 1444 Collected Vads - did not turn off pump
- 1443 Turned off pump
- 1455 Collected Vads w/ Teflon bar.
- 1504 water level 717 feet below top after sampling.
- 1511 Left MONT.
- 1525 Arrived at MW19 and set up sampling station.

$$\#19 \text{ vol} = (95.1 - 86.8) \times 0.17$$

$$= 1.41$$

$$\#3 \text{ vol} = 4.23 \text{ gal}$$

Joe Propper

3/25/88

(29)

- 1535 Set up Grundfos pump at approx 90 Ft.
- 1605 Turned off pump because water recharged too slow. Pumped about 11 gal. Could not collect water quality parameters.
- 1620 Forwarded pump from well.
- 1633 Began boring well.
- 1635 Left site to get outside while Dan bailed.
- 1655 Returned to MW 9
- 1722 Bailed approx 5 gal before sampling Vads.
- 1734 Lower boiler in well until morning. Will sample for metals in morning. (Hans built line to water table)
- 1744 Got 4 Side MW 19
- 1754 Arrived at IOW disposal area.
- 1744 Left IOW Disposal area

3/25/88

291 425

Joe Propper

(30)

1754 Arrived at field office to decon and clean off.

1910 Left field office for the day.

1050  
1220

3/25/78

Thursday, March 26, 1978

(31)

0747 Arrived at field office

Observations  
- Salt water wells

Personnel

T. Piper, D. Martin, C. Faulow  
S. Williams, K. Benjamin, S. Trumble

Weather

AM - 50s, cloudy  
PM - 70s, sunny

0745 Organize equipment.

0740 Calibrated instrument YSI 600.

• Arr. to team 1 boat (3/23/78)  
for lot numbers & expiration  
dates of all cal solns.  
• Did not change cal solns.

NO

• Instruments have been equilibrated by  
w/ moists were over night. Calibrations  
• within saturated air.  
• Before cal read 9.30mg/L and 15.22  
• After cal read 9.99 mg/L and 18.72

Jan Paper

Jan Paper

(32)

3/20/98

Conductivity

Read 0.00 at 0 ft  
Read 10.00 after cal. Temp. = 21.9°C.

pH  
Read 4.03 of 4.00 buffer before cal.  
Read 4.00 after cal.  
Read 6.98 of 7.00 buffer before cal.  
Read 7.00 after cal.

Redox

Read 237.2 of 236.1 mV before cal.  
Read 236.2 after cal.

Turbidity

Read 0.2 of 0.0 NTU of DI H<sub>2</sub>O  
before cal. Read 0.0 after cal.

0773 Organized equipment

0845 Left field office for MW19 to collect metals and turbidity samples.

Jan Report

3/20/98

(33)

0850 Arrived at MW19 and set up sampling station.

0855 Collected metals + turbidity samples.

Heard hissing sound when well cap was placed on well.

0904 Left MW19.

0907 Arrived at MW38 and set up sampling station.

#38 well vol = (154.0 - 130.35) 0.17 = 23.65 0.17

(3) well vol = 4.02 = 2.06 5-1

0936 Set up Grundfos pump at approx. 148 feet.

0940 Started plunging.  
Lowered pump ~~to 148 feet~~ <sup>to 148 feet</sup> as small amount of water (about 1/2 gal) before water reaches back stick.

After legal pump water stopped. Lowered pump about 3-7 feet. Keenick another 1/2 of and then water spilled under.

291 427

Jan Report

(34)

3/26/98

- 0945 Let well recharge. turned off pump. Turned pump back on.
- 0958 No water. Turned pump off. Tried again to pump water. Still no luck.
- 1014 Left MW38 to allow time for water to recharge.
- 1025 Arrived at field office to organize some supplies, make phone calls.
- 1050 Left field office to get 1/4 inch cord for trailer.
- 1121 Stopped for lunch.
- 1155 Back at field office.
- 1206 Left field office for MW38.

Jane Cooper

(35)

3/26/98

- 1211 back at MW38.
- 1265 Turned on pump to get as much purge water as possible.
- 1220 No water.
- 1225 Patricia says - Algona Suburb had hole and swollen area near pump.
- 1230 A. H. Clark reinforced tubing to pump.
- 1240 Set quantities - purged a 5 gal.
- 1255 Started 45 I GPO 1003/1004. In an attempt to connect the 1003/1004 the tubing fell down the well.
- 1303 Left Site to find well works to set new pump.
- 1319 Returned to field office for phone calls (Kevin Mayer) for more reinforced tubing.
- 1348 Returned to MW38 to collect supplies and can get pump out.
- 1355 Left MW38 for IFW disposal.

Jane Cooper

(36)

3/24/98

1404 Arrived at IOW disposal area.

1420 Left IOW area.

Arrived at ~~landfill~~ <sup>2100h</sup> ~~5000~~ <sup>2100h</sup> up sampling station.

#25 read Vol. = (79.75 - 71.58) 0.17

(1.77) 20.17

1.32

(3) read Vol. = 3.96

1434 Got "pump fishing" supplies from Steve & William.

1440 back at MW38 to try to retrieve pump.

1505 Retrieved fishing.

1509 Connected 452E 6000 started pump.

1517 Flow stopped after 5 gal. (10 gal. total).

John Propper

3/24/98

(37)

1517 Tapped pump off to allow water time to recharge.

1520 Turned pump on.

1532 Collected 500ccs metals.

Flow stopped after 500ccs and metals had been collected. Flow moved pump.

1555 Collected UDLs w/ drip Toffon beaker.

1601 Left MW38.

1608 Arrived at field office for bathroom break.

1613 Left field office.

1634 Stopped to help Lybica Coulomb find well #5.

1716 Left Greer & Wilkins site.

1720 Arrived at MW25 and setup sampling station.

#25 read Vol. = (79.35 - 71.59) 0.17

(1.77) 20.17

1.32

(3) read Vol. = 3.96

1735 Set up ground for pump approx 74 feet.

John Propper

(38)

3/24/84

1739 Began pumping and purging.

1744 Connected VSI.

1751 Collected 300cc, models, benchtop turbid. 44.

1753 Collected VOCs. Did not put out pump. Sampled directly from discharge line w/ a very low flow (approx. 4 gal per min.).

1807 Left MWDOS.

1810 Arrived at field office to do paperwork + decom.

1910 Left field office for the day.

1807-2010  
3

Jan Prober

Friday, 3/27/84

(39)

0647 Arrived at field office.

Observations  
• Sample wells

Personnel

T. Prober, D. Martin, L. Sullivan,  
S. Hilligren, R. Gormann, D. Telebock

Weather

AM - 60s, sunny  
PM - Predict 80s, rain

0659 Calibrated VS - 4100

• Before 10:00 Team did boat 1 (3/27/84)  
for bot numbers + extraction devices  
• EV cal salts  
• Did not change cal salts

Do

• Instruments have been equalizing w/ moisture overnight. Calibrating w/ water saturated air.

Be-Fox - Cal read 840 mg/L and 94.0%.

At 4:45 cal read 9098 mg/L and 132%

291 430

Jan Prober

(10)

3/27/88

Conductivity

Lead 1.87 f. ODW stem before cal.  
Read 10.00 after cal. Temp. 19.00°C

pH

Lead 4.120f 4.00 buffer before cal.  
Read 4.00 after cal.  
Lead 7.00 of 7.00 buffer before cal.  
Read 7.00 after cal.

Redox

Lead 235.7 of 236.1 mV before cal.  
Read 236.1 after cal.

Turbidity

Lead 0.2 of 0.0 NTU of DI H<sub>2</sub>O  
before cal. Read 0.0 after cal.

0904

Organized equipment.

0930

Left field office for MW32+37.

0940

Arrived at MW32+37 and  
set up sampling stations.

Jane P. paper

(11)

3/27/88

#332 well vol = (680 - 587) 0.12  
= 9.3

#37 well vol = 1.50 x 3 = 4.7

#37 well vol = (183.55 - 146) 0.17  
= 58.95  
= 10.02

(3) well vol = 30.06 gals

0947 MW32  
flow rate (A side) = 58.4' fill

0950 MW37  
flow rate (A side) = 124.6' fill

0959 MW32 Setup Gunitfus. at approx  
64 feet

0919 MW37 Set up Gunitfus at approx  
178 feet.

0922 MW32 Started pumping & purging

0901 Started VPI. - Sec. GW parameters  
on GW sampling Data Sheet.

0935 Sampled SUPERS-THINE FS with turbidity  
third pump line. Also checked turbidity

0938 Sampled TOL or MLE stand off from  
pump discharge line. Did not back.

Jane P. paper

(12)

3/27/88

1053 MW37 started pumping - pumping parameters on a sampling valve started.

1153 Sampled 500cc, metals, WQ, vcs directly from pump discharge line. Collected split samples for metals, vcs, then pump line. Flow 20.5 gpm. Collected benchtop turbidity thru pump line.

1227 Left MW37 & MW37.

1236 Arrived at JOW disposal area.

1251 Left JOW disposal area.

1253 Left ODMT for lunch.

1317 back at ODMT to take w/ spawn pumps.

1422 Arrive at field station to decon, organize supplies.

Jwa Proper

(13)

3/27/88

291 432

1539 MW41 = (115.09 - 101.31) 0.17  
 = (13.76) 0.17  
 = 2.34  
 = 7.02

1542 MW41 = (109.0 - 96.06) 0.17  
 = (12.94) 0.17  
 = 1.66  
 = 5.98

1547 Arrived at MW39 and set up sampling station.

1539 began pumping.

1549 Flow stopped. Filter (gel will allow for some flow) rechange.

1606 Arrived at site MW22 to allow time for MW39 to recharge. Set up benchtop pump. No water. Back at MW37 to try pumping.

1648 Collected all samples (including benchtop flow cell) thru pump discharge line.

1715 Out at MW22 - must load out purge water and all samples.

Jwa Proper

(44)

- 1799 3/27/98 Collected all samples from new disposable Teflon canister.
- 1810 Arrived at field office to begin organizing equipment.
- 1815 Collected Rimula Sample 9991R1 ESUG metals
- 1900 Left field office for the Bay.

3/28/98

(45)

DATE: 3/28/98  
 DAY: SATURDAY  
 START: 7:15  
 END:  
 EQUIPMENT  
 - YSI 610D - Roto  
 - Generator, Pump  
 - OUM  
 Weather: Cloudy, Very Windy, 70°  
 Change of Rain  
 Personnel  
 D. Maresca - Chem Mill  
 C. Allison - Chem Mill  
 B. Trumble - Chem Mill  
 J. Propper - Chem Mill  
 K. Gormano - Chem Mill  
 L. Furlow - Chem Mill

OBSERVATIONS

Mark 1998 Groundwater Quality Sampling  
 Cat Garden Results - See Next Page

291 433

Line proper

(110)

3/28/98

720 MW22 Setup at MW22 to collect metals portion of Sample. Sample for 5 VOCs, VOCs, PS were collected on 3/27/98

735 Metals portion was collected. Also, for bucket by Alleguade was collected. Sample collected with a bailer. VSF610D Calibration Results.

- DO  
Prior to Cal = 11.39 mg/l ; 170.17%  
Final Cal = 9.99 mg/l ; 11.37%  
- Snd (Temp = 11.15) Redox  
Prior = 10      Prior 230.6  
After = 10      Final 236.2  
- Ph 4.0 Sil  
After = 4

850 Setup at MW26. Inshell pump for well purging. DTW = 99.46  
Well depth = 113.2  
Water Cal = 13.7 gal-ft  
1-Vol = 2.34 gallons  
3-Vols = 7.00 gallons  
Pump Set @ 106 GPM B15

912 Begin purging - Flow Rate = 2.0  
Adrian

(112)

3/28/98

Reduce flow rate to = 0.9 gpm  
Recorded 4 - water quality data sets - see Field Sampling Purging Form. Total Purge Vol = 14.5 gallons

935 Sample MW 26  
Collect Sample @ 935  
Parameters = metal / VOCs  
Sample collected from

Pump - Low Flow Turb Alleguade  
930 Shut pump off. Pull pump key for next well

1000 Mobilize to Flow Staging Area  
Pump Flow to Poly Tank  
Set up @ MW51. Well depth = 69.72  
Water Cal = 32.52  
1-Vol = (x.17) = 5.33 gallons  
3-Vol = 16.58 gallons

A. Mason

3/29/98

MW51

1100 Sat-up to Porge & Begin Pumping @ 1115. Porge pump rate = 1.25 gpm (Frishtal Lab) Adjusted pump rate 1.2 gpm. See Field Sampling / Porge Form for Sampling & Data quantity parameters. Water quality - Very clear. No suspended particulates. Collects Sample MW51. Aliquots include VGE, SVOC, Metal, MEE, Turbidity. ☺ Pull Pump Clear up around wellhead - Move to next location (MW47). Well Paper = 120.4' DTW = 101.5' Water Col = 18.9 (x:17) 1-Vol = 3.2 gallons 3-Vols = 9.6 gallons Well depth - emptied amount of tapping @ 110 feet. Return to office. Aaron Sturbin / Pump Return to well MW47.

D. Mauer

3/28/98

1235 Break for Lunch  
 1245 Return to MW47.  
 1300 Start pump - Begin to Purge  
 - Pump Set at 110 feet to 15.  
 - Purge rate after initial adjustment = 0.75 gpm  
 - Water Quality Parameters Collected with VSI 6108 meter.  
 See Field Sampling / Porge logs  
 - Parged gallons before Sampling.

1330 Collects: MW47 - Parameters include: VOC, SVOC, Metals, FS (see sec), WAC (see sec) and metha Ethel/Ethans Sample was very clear - Turbidity in lab.  
 1340 Mob to Off-ROAD / MW15  
 1400 Setup @ MW15

D. Mauer

(50)

3/28/98

Pap for Pumping and

Sampling. DTW = 64.0'

Total well depth 78.4'

Water Col = 14.2'

1-Val = 2.41 gallons

3-Val = 7.24 gallons

Begin pumping pump water.

Pump flow rate = 28 gpm

Water Quality parameters including

Temp, pH, Cond, DO, Redox and

stability collected during pumping.

See Sampling Pump log book

for data.

1445 MWIS Sample MWIS

Parameters include VOS, SOD, etc.

Metals and turbidity samples etc.

Collected from pump.

Demob from MWIS - Drive

to IADU Area and discharge

IADU water to fish tank

Return to Office + 14.00

Activities - Clean up tank.

D. M. Brown

(51)

3/28/98

and pickup samples for drilling.

18:00 left site

3/28/98

Jan 1, 1998

3/28/72

Monday, March 30, 1978

(5)

(53)

06471 Arrived at kind office for  
 equipment set up

0650 Objective  
 sample wells

0655 Review well

0657 Tim Logan, Patricia S. Adkinson,  
 K. Guzman, B. Trebbia

0658 Don't know

0659 AM - 600s, sunny  
 PM - 80s, partly cloudy

0659 Calibrator YES used

0659 Perfect Team id; Book (1363/10)

0659 Fix list numbers + expiration  
 dates. See cal. Solms

0659 Did not change cal. Solms

0659 Instruments have been  
 equilibrated w/ moist air over  
 time with kind calibration w/  
 water substituted air  
 before cal read ~~11:35~~ and ~~12:35~~  
 after cal read 11:35 and 12:35

291 437

Jana B. Proger

Jana Proger

50

3/30/18

0455

Team meeting.

0708

Calibration cont.

Conductivity

Read 470.0 of 10.00 km before cal.  
Read 10.01 after sub Temp = 21.90C.

pH

Read 4.08 of 9.00 buffer before cal.  
Read 4.00 after cal.  
Read 6.95 of 7.00 buffer before cal.  
Read 7.00 after cal.

Redox

Read 234.4 of 236.1 mV before cal.  
Read 236.1 after cal.

Turbidity

Read 0.9 of 10.00 NTU of DA H10 before cal. Read 0.1 after cal.

0716

Organized field equipment.

Jean Pappas

3/30/18

56

0203

Calibrated OVM.

Model - 530 B

Serial - 46327 276

#35

Well Vol. - (88.88 - 70.85) 0.17

Well Vol. = (18.33 - 0.17)

Well Vol. = 3.08

Well Vol. = 9.25

#12

Well Vol. - (83.9 - 71.09) 0.17

Well Vol. = (13.41 - 10.17)

Well Vol. = 2.11

Well Vol. = 0.33

0738

Arrived at MW35 & MW12

0838

Opened well U (MW12)

Flow over the pump - 6.4 gpm

bleeding zone - 0.0 gpm

Flow sampling station

When opened well to lower pump

QUM flow reading was 1079 ppm

Called Dan Green Underberg

Said should allow well to drain

Took well cap off to allow well

to vent

0919

Now OVM reading = 1041 ppm

Bleeding zone 0.5 gpm

Set Columbus at approx 78 feet

291 438

Jean Pappas

50

3/30/98

0935 Max. OUM readings = 103 ppm  
breathing zone = 0.9 ppm

0941 began purge - water stopped  
after about 4 gal.  
Lowered pump about 2 feet.  
Cink roller not properly  
connected.

0945 began purge again.

0948 GW parameters located on  
GW Sampling Data sheet

0949 Max borehole OUM = 945 ppm  
Breathing zone = 0.8 ppm

1003 Max borehole OUM = 1026 ppm  
Breathing zone = 0.8 ppm

1005 Collected metals, VOCs from  
MW 17 from discharge line.  
Collected breathing turbidity sample  
from pug discharge line.  
Occasionally some exhaust from  
diesel generator.

Jane Proger

51

3/30/98

1038 (MW 35) Max. vent hole OUM = 46.0 ppm  
breathing zone = 0.8 ppm  
Set G-wells at approx. 7.5 ft. sub.

1105 pulled (MW 2) for VOCs using new,  
disg. Teflon boiler.

1109 Max OUM borehole = 906 ppm  
b.z. = 1.1 ppm

1114 began purge  
GW parameters located on GW  
Sampling Data sheet

1139 D. Merion left site to check split  
sample bottles

1149 Max OUM borehole = 854 ppm  
b.z. = 0.8 ppm

1205 Collected PSI Specs, Metals, VOCs  
from pug discharge line (see letter 3/27/98)  
Also collected duplicates, MS/MSD,  
and splits.

1231 Final PID reading:  
borehole 1854 ppm  
b.z. = 0.4 ppm  
Small diesel fumes from nearby  
Newly equipped.

1235 Left site MW 17 & MW 35  
Arrived at FOW disposal area

291 439

Jane Proger

50

5/30/98

1255 Left JOW area.  
 1303 Arrived at Field office.  
 1321 Left for lunch.  
 1430 Discussed soil sampling plan  
 Arrived at 00.11. Finished out  
 sampling plan thru Shawn Phillips  
 1507 Sampled 00.11. Packaged samples  
 from wells.  
 Labeled samples from 00.11  
 that were collected thru  
 barrel - MW24B.

1745 Took coarses to Fedex  
 1826 back from Fedex  
 Measured benchtop turbidity  
 samples.  
 Calibrate Mech Turbidimeter  
 C&M Mill ID 2943  
 Calibrate PI P-1; P-10; P-100  
 MW  
 Turbidity  
 6 9.15  
 8 > 100  
 12 3.4  
 35 0.7.  
 1100 Left site for the day.  
 Saw Propper

Tuesday, 5/31/98

51

0700 Arrived at field office.  
 Organized equipment.  
 0720 Operations  
 collect soil samples  
 collect water level measurements  
 (see summary)  
 T. Propper, J. M. Vison, S. Hillson,  
 H. Germaine & Trebble  
 Decker  
 KM + SDs in cinder block  
 PM: 605, rainy  
 0740 T. Propper & S. Hillson collect  
 water level measurements  
 J. M. Vison, R. Germaine & Trebble  
 collect soil samples  
 1730 back at field office from  
 collecting water level  
 measurements (See Team A  
 Book 1 and Team C Book 1).  
 1741 collecting soil samples at  
 2 locations.  
 (See Team C logbook, Book 1)  
 1800 Left site for the day.

Jana Propper

2/30/88

(100)

Wednesday April 1, 1988

(101)

0917 Arrived at field office  
Team meeting discussed  
plans/schedule for the day  
and health and safety.  
Organized field equipment.  
Objectives  
Collect soil samples  
Get ramp out of muddy  
fix wheel.  
Personnel  
T. Prosen, S. Allison, D. Marston,  
K. Green, Muro  
Weather  
44-60s, sunny, slightly windy  
PM  
0830 Collected one soil sample.  
1042 back at field office. No data.  
1150 Collected second soil sample.  
1245 Took pictures of soil sample  
sites  
1305 Back at field office to  
organize and package  
soil samples

291 441

Jan Prosen

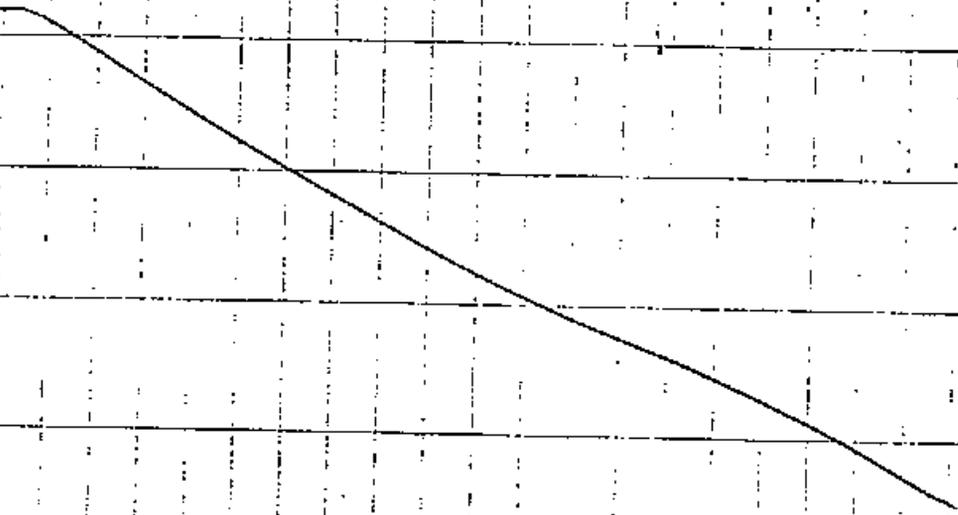
Jan Prosen

-62-

4/1/48

1430 Twa left side.

4/1/48

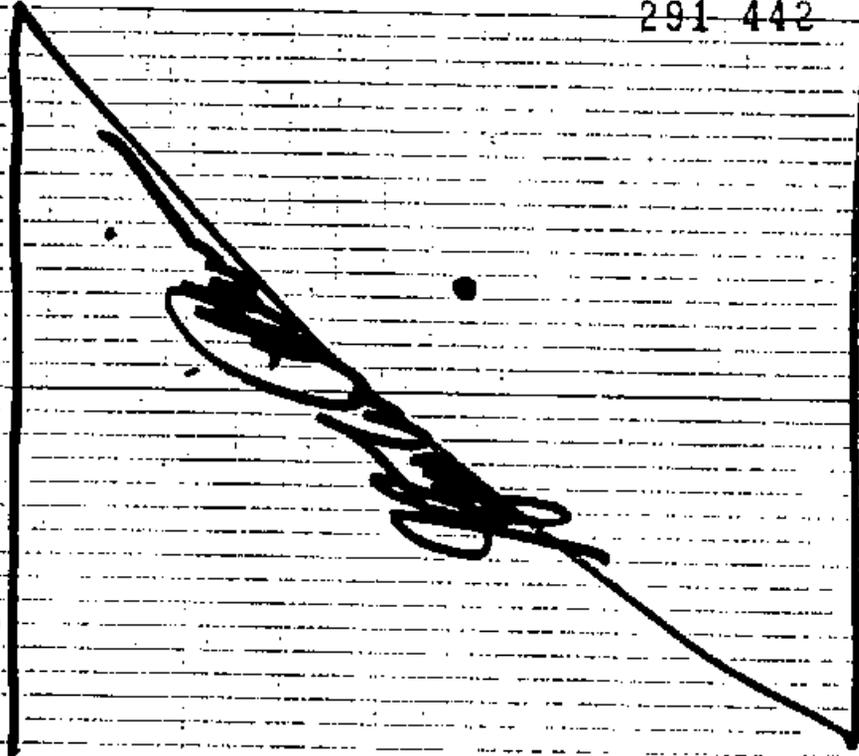


Yona Pupa

-63-

END  
OF  
LOG

291 442



DDMT

Quarterly Well  
Sampling113630.2  3

*"Rite in the Rain"*  
ALL-WEATHER  
Mining Transit  
No. 320

DDMT

Memphis, TN

3/23/98 —

Team C - Book I

Monday March 23, 1998

- 0700 Arrive at site
- 0740 Begin logbooks and inventory supplies.
- 0800 Put sample kits together for wells: MW034, MW054, MW074, MW434, MW134, MW344
- 0900 Go and get Badges, take tour of facility
- 1000 Project Briefing
- 1145 Logbook Signing to Keli Germaine
- 1230 Went to lunch
- 1328 Returned from lunch
- 1324 Left to record water levels.
- 1400 Logbook given to Steve Allison
- 1430 Elizabeth Germaine
- 1501 Go to measure water levels
- 1501 Arrive at MW30
- 1505 Depth = 43.07 feet from TOC
- 1512 Curve at MW033
- 1515 Could not get well open.
- Need % acetate.
- 1610 Obtained 55 gal. drums

*Steve Allison* 3/23/98

2

DDMT Quarterly Well Sampling  
from Dunn field and  
returned to office.

- 1620 Prepared kit for MW234,  
MW424, MW084, MW024,  
MW544, MW044, MW454,  
MW444, MW404, MW414,  
MW504, MW524, MW244

*Steve Allison*  
3/23/98

*Steve Allison* 3/23/98

3

Tuesday, March 27, 1998

0735 Drive @ Site  
 0754 Health & Safety Briefing (see Team B)  
 Weather: AM - Sunny  
 PM -

Activity: Water levels  
 Location: Main Installation  
 Equipment: Water level indicator  
 Personnel: (Chem Hill)  
 E. Germinaro  
 B. Trebble

0800 Begin collecting water levels.  
 Decon probe between wells  
 w/ deionized water.

0807 MW-43  
 DTGW<sub>ETC</sub> (N. side) = 98.47 ft  
 Depth of well = 101.45' (soft  
 98.5' eg. bottom)

0818 MW-50  
 DTGW (N. side) = 84.94 ft  
 depth taken on highside -  
 PVC pipe - lip broken / damaged

Elyabeth Germinaro 3/27/98

3-28-98 DDMT 4

0826	MW-52	DTGW = 79.64 ft (N. side)
0822	MW-26	DTGW (N. side) = well is dry
0835	MW-25	DTGW (N. side) = 71.58 ft
0840	MW-24	DTGW (N. side) = 105.64 ft
0846	MW-23	DTGW (N. side) = 98.50 ft
0852	MW-22	DTGW (N. side) = 95.96.06 ft <sup>eg.</sup>
0857	MW-21	DTGW (N. side) = 93.19 ft
0903	MW-20	DTGW (N. side) = 84.38 ft
0908	MW-18	DTGW (N. side) = 86.80 ft

Elyabeth Germinaro 3-27-98

3-27-98 DDUT 6

1021 Returned to office. Set Up sample kits for MW-30, MW-43, MW-49 & MW-16.

112 Leaving office, heading to MW-30

1128 Arrive @ MW-30. Set up for purge & sample collection.

TD = 60 ft DTWL = 43.02 (2 in well)

$60 - 43.02 = 16.98 \times 1.63 = 2.8$

2.8 gal/vol x 3 = 8.4 gal TOT

weather: clear ~ 60°F

personnel on site: E. Germinaro  
B. Tireballe

level of safety - level D

Equipment: YSI 6920 Environmental Monitoring System  
Model 610-D

Calibration: Refer to Cali log dated today

Elyabeth Germinaro 3-27-98

5

3-27-98 DDUT

0913 MW-55 DTGW (N-side) = 69.45 ft

0919 MW-38 DTGW (N-side) = 130.35 ft

0925 MW-18 DTGW (N-side) = 131.00 ft

0933 MW-39 DTGW (N-side) = 101.31 ft

0946 MW-87 DTGW (N-side) = 91.07 ft

0957 MW-17 DTGW (N-side) = DRY  
access questionable

1006 MW-16 DTGW (N-side) = 56.66 ft

1015 MW-86 DTGW (N-side) = 99.46 ft

Elyabeth Germinaro 3-27-98

3-24-98 DDMT 7  
 1155 Started purging MW-30  
 1200

Temp/PH Cond. Turb. Sat. DO

266.6	7.07	18.8	0.15	174	12.50
ORP	PH	Temp	Cond.	Turb	DO
Start	6.66	7.07	18.8	0.015	174
1st Vol = 20					12.50
1808	251.7	6.35	19.0	0.010	220
2nd vol = 5.6					9.74
1217	294.6	5.86	19.1	0.028	485
3rd vol = 8.4					8.80
1226	271.4	5.98	19.0	0.039	224
4th Vol = 11.2					7.79
1236	263.6	6.15	19.0	0.027	28
7.10					

1237 Samples taken @ MW-30  
 2L Amber Glass - SVOC  
 1L HDPE - Talmat  
 1L HDPE (H<sub>2</sub>SO<sub>4</sub>) - FS  
 500ml HDPE (HNO<sub>3</sub>) - FS  
 500ml HDPE - FS

ORP	PH	Temp	Cond.	Turb	DO
329.3	5.87	19	.019	48	10.62

After Sampling  
1245

3-24-98 DDMT 8  
 1312 Finished VOA Samples, cleaned up area, secured well, moved on to next site, office to decon pump.  
 1337 Went to lunch  
 1424 Arrived at MW-43  
 TD = 101.40 ft DTGW = 98.47 ft  
 (2 in. well)  
 101.40 - 98.47 = 2.93 ft  
 $2.93 \times 0.163 = 0.5 \text{ gal/vol}$   
 $0.5 \text{ gal/vol} \times 3 = 1.5 \text{ gal TOT}$   
 weather: cloudy ~62%  
 personnel: EG, BT  
 level of safety - level D  
 equipment: YSI 6920  
 Environmental Monitoring Systems Model 610-5

1429 Started purging MW-43  
 1452 Well appears to be dry, used a bailer.  
 Unable to purge - well dry  
 1505 Clean up: Moving to MW-16  
 Elizabeth Gurnea 3-24-98

3-24-98 DDMT 9

ORP pH Temp Cond Turb DO

Start 1519 Arrived at MW-16  
 TD = 75.5 DTGW = 56.66ft  
 (2in well)  
 75.5 - 56.66 = 18.84ft  
 $18.84 \times 0.163 = 3.1 \text{ gal/vol}$   
 $3.1 \text{ gal/vol} \times 3 = 9.3 \text{ gal TOT}$   
 weather: cloudy - 58  
 personnel: EG, BT

1556 Started purging MW-16

ORP pH Temp Cond Turb DO

1558 281.4 5.95 19.0 0.19 111 9.86

@vol = 3.1gal

1604 243.1 5.71 20.0 0.308 86 7.06

@vol = 6.8gal

1612 236.4 6.00 20.5 0.422 44 5.47

@vol = 9.8

1618 222.0 6.07 20.6 0.457 15.3 3.40

@vol = 12.4

1621 216.2 6.09 20.6 0.463 11.5 3.03

1630 Samples taken  
 2L Amber Glass - SVOC  
 1L HDPE (HNO<sub>3</sub>) - Tolmet

Elizabeth Germann 3-24-98

3-24-98 DDMT 10

ORP pH Temp Cond Turb DO

After Sampling 1632 221.4 6.13 20.6 474 9.4 3.09

1639 Finish sampling - VOA

1642 Cleaned up area, secured well. Headed to Dunn HHH Field to dump waste water 40gal

1720 Arrived at office, unloaded truck

1725 Calibrated turbidity meter, zeroed against 0.38, 1.75, 13.5

1744 Set up samples to test turbidity

Time Well Turbidity

1749 16 3 NTU

1750 30 2.6 NTU

1759 36 92.5 NTU

1804 31 2.6 NTU

1806 28 4.2 NTU

Equipment: Turbidimeter, Hach, Model 16800

Elizabeth Germann 3-24-98

Wednesday, March 25, 1998 11

0730 Arrived at site, set up sampling kits MW-33, MW-55, MW-48.

Calibrate YSI 6920 & Sonde Model 610-D

Waste Quality Check  
Temp - 20.1°C → 20.1°C

PH - 7.04 → 7.00, 4.91, 7.99

SC - 10.0 → 10.0 w/10,000

Turb - 0.0 → 0.0 NTUS

DO - 10.52 → 9.98

0800 Bob goes to see Shawn Phillips Re-Feed-x (Regulators, will be able to receive at 0845 When mail room opens

0901 Backlogs do MW-49

0907 Arrived at MW-49, began setting up.

TD = 89.42 DT610 = 76.72 (2m well)

$89.42 - 76.72 = 12.7$

$12.7 \times 0.163 = 2.1 \text{ gal/Vol}$

$2.1 \text{ gal/Vol} \times 3 = 6.2 \text{ gal Tot}$

Elizabeth Germann 3-25-98

3-25-98 IDMT 12

weather: cloudy 5-7 mph south, 60-55°F

personnel: EG, ET

equipment: YSI 6920 Environmental Monitoring System

Model 610-D

level of safety: level D

0933 Started pumping

Refer to GW Sampling Data Sheet for field parameters

0954 Removed YSI Unit

0955 Took Samples

1000 2L Amber Glass - SVOC

1 L HDPE (HMO3) - TAlMet

9oz glass jar - Turbidity

1003 Test last parameters after sampling

1007 Piled pump out of well

1012 Sampled VOA w/ bailer

1028 Cleaned up site, packed up & returning to office

E. Germann 3-25-98

3-25-98 DDMT 13

1033 Arrived at office & decon pump

1102 Headed to MW-33

1110 Arrived @ MW-33

TD = 59.1 DTGW = 48.77 <sup>eg</sup> 47.91

(2 in. well)

59.1 - 48.77 = 10.93

10.93 x 0.163 = 1.8 gal/vol

1.8 gal/vol x 3 = 5.4 gal TOT

<sup>70's</sup> eg

weather: Sunny <sup>60's</sup>, 5-7 mph wind

personnel: EG, BF

equipment: YSI & dedicated tube

1121 OVM Model 580B Serial 46327-276

(on site Instruments)

Calibrated w/ 100 ppm isobutylene

Span = 0.68 w/ RF 68: 56 <sup>eg</sup>

<sup>56</sup> eg

BG = 0.0 ppm BZ = 0.0 ppm

DH = 0.0 ppm

1138 Start purging

E. Germano 3-25-98

3-25-98 DDMT 14

1205 Tool Samples

Turbidity 9oz glass jar

- 1L HDPE (UNO3) - Talmef

1208 - Remove Pump

1224 - Sampled VOA w/ bailer

1237 - Cleaned site, secured well

heading back to office

for lunch

1315 - Arrived @ office to decon pump

1333 - Heading to MW-48

1340 - Arrived at MW-48

TD = 93.50 DTGW = 78.68 ft

(2 in. well)

93.50 - 78.68 = 14.82

14.82 x 0.163 = 2.4 gal/vol

2.4 gal/vol x 3 = 7.2 gal tot.

weather: Sunny ~ 60's 5-7 mph

personnel: EG, BF

equipment: YSI & dedicated tube

E. Germano 3-25-98

15

3-25-98 DDHT  
1344. OVM Readings  
BG = 0.0 ppm BZ = 0.0 ppm  
DH = 0.0 ppm

1356 Started purging

1420 Samples taken  
1L HDPE (H<sub>2</sub>SO<sub>4</sub>) - FS  
500ml HDPE (HNO<sub>3</sub>) - FS  
500ml HDPE - FS  
2L Amber Glass - SVOC  
1L HDPE (HNO<sub>3</sub>) - TolMet  
9oz glass jar - Turbidity

1424 Pulled pump out

1440 Sampled VOA & MEE w/ bailer

1448 Cleanup site, secured well,  
headed back to office

1456 Arrive @ office to decom pump

1520 Heading to MW-55  
E. Gurnea 3-25-98

3-25-98 DDHT 16  
1526 Arrive @ MW-55

ID = 74.08 DTGW = 69.45 ft  
(2 in well)  
74.08 - 69.45 = 4.63  
4.63 x 0.163 = 0.8 gal/vol  
0.8 x 3 = 2.4 gal TOT

Weather: Sunny, 70's, 5-10 mph  
personnel: EG, BTJ  
equipment: YSI & dedicated tube

1529 OVM reading  
BG = 0.0 ppm BZ = 0.0 ppm  
DH = 0.0 ppm

1547 Start purging

1605 Samples taken  
2L Amber Glass - SVOC  
1L HDPE (HNO<sub>3</sub>) - TolMet  
1L HDPE - WQ  
2L Amber Glass - WQ  
500 ml (H<sub>2</sub>SO<sub>4</sub>) - WQ  
9oz glass jar - Turbidity  
E. Gurnea 3-25-98

291 451

17

3-25-98 DDMT  
1610 removed pump

1628 Sampled VOA w/ bailer  
1630 Cleaned up site, secured well, headed to Dunn Field  
1645 Arrived @ Dunn Field to empty waste water drum 45 gal  
1709 Arrived @ office. Started packing samples. BT decont pumps  
1804 Turbidity done by BT  
Equipment: HACH Turbidity Meter  
Model 16800

SN 2913 CH2M Hill

- MW 14 - 6.75
- MW 20 - 1.50
- MW 33 - 18
- MW 41 - 17
- MW 46 - 2.5
- MW 48 - 1.5
- MW 49 - 1.0
- MW 60 - 1.0
- MW 52 - 1.0
- MW 55 - 5

Elizabeth Germaino 3-25-98

291 452

3-25-98 DDMT 18

Calibration: Zero, 10, 100  
Standards 0-1, 0-10, 0-100  
Calibrate: 0-10

1915 Heading home

Elizabeth Germaino 3-25-98

Elizabeth Germaino 3-25-98

Thursday, March 26, 1998

19

0700 Arrived on site, checked  
sample bottles MW-23  
MW-53, MW-9, MW-13

0720 Calibrate YSI 610  
- use same lot #'s &  
solutions as 3/23/98

pH  
- read 4.05 prior to calib.  
4.00 after 4.00 buffer  
- read 6.95 prior to calib.  
6.95 after 7.00 buffer  
8.700

DO  
read 9.72 of 10.00 mg/L  
read 9.99 after calib

Cond.  
read 9.667 of 10 ms/cm sol.  
prior to cal.  
read 10.02 after cal.  
OT = 21.01

Elizabeth Germaine 3-26-98

3-26-98

DDMT

20

Turbidity

Read 0.7 prior to cal, read 0.0  
after cal

Redox

Read 233.9 prior, read 236.4  
242.2  
after calib.

0759 Heading to MW-23

0803 Arrived @ MW-23

TD = 112.94 DTGW = 98.50 ft

112.94 - 98.50 = 14.44

14.44 x 0.163 = 2.4 gal/MO

2.4 gal/Vol x 3 = 7.2 gal tot.

Weather: cloudy, low clouds

Personnel: Elizabeth Germaine

Bob Trebble

Equipment: YSI 6A20 Environmental

Monitoring System Model 610-B

level of safety - level 15

Start point - Eg

0808 OVM Model 580 B Serial #6327-276  
(Onsite Instruments)

291 453

Elizabeth Germaine 3-26-98

3-26-98

DDMT

21

OVM Calibrated w/ 100 ppm isobutylene  
span = 0.56 w/ RF 56  
BG = 0.0 ppm BZ = 0.0 ppm  
DH = 0.0 ppm

0824  
0850

Start purging  
Samples taken  
9oz glass jar - Turbidity  
1L HDPE (HNO<sub>3</sub>) - TALMET  
1L HDPE (H<sub>2</sub>SO<sub>4</sub>) - FS  
500ml HDPE - FS  
500 ml HDPE (HNO<sub>3</sub>) - FS  
2L Amber Glass - SVOC

0854  
0908

Removed pump  
Sampled VOA & MEE w/ bailer  
disp & Teflon

0912

Cleaned up site, secured  
well & headed to office to  
decon pump.

0917  
0939  
0943

Arrived @ office to decon pump.  
Heading to MW-53  
Arrive @ MW-53

TD = 93.04 DTGW = 72.75  
93.04 - 72.75 = 20.29  
20.29 x 0.163 = 3.3

Elyabeth Germanaro 3-26-98

3-26-98

DDMT

22

3.3 gal/Vol x 3 = 9.9 gal Tot  
Weather: cloudy low WDS 10-12 mph S.  
Personnel: EG, BF  
Equip: YSI & dedicated tubing

0947

OVM Reading  
BG = 0.0 ppm BZ = 0.0 ppm  
DH = 0.0 ppm

1001  
1030

Start purging  
Samples taken  
1L HDPE (HNO<sub>3</sub>) - TALMET  
9oz Fimb glass jar - Turbidity  
2L Amber glass - SVOC

1033  
1048

Removed pump  
Took VOA Samples w/ dup.  
Teflon banded (new)

Cleaning site secured well &  
headed back to office

1055  
1108

Arrived @ office to decon pump  
Heading to MW-9

1124

Arrive @ MW-9  
TD = 79.8 DTGW = 71.43

Elyabeth Germanaro 3-26-98

3-26-98 DDMT 23

79.8 - 71.43 = 8.37  
 8.37 x 0.163 = 1.4 gal/Vol  
 1.4 x 3 = 4.2 gal Tot 70's EG  
 weather: cloudy, ~~toots~~'s, 10-12 mph  
 Personnel: EG, BT  
 equip: YSI, dedicated tubing

1126 OVM Reading BZ = 0.0 ppm  
 BG = 0.0 ppm DH = 0.0 ppm

Start purging EG

1138 Not enough tubing. Need clamps to add more tubing

1157 Stopped @ office for more tubing  
 Heading to hardware store for connectors

1230 Stopped for lunch

1300 Headed back to MW-9

1315 weather: partly cloudy 70's 10-12 mph  
 Arrived @ MW-9. Attached extra tubing w/ brass nipple.

1327 Start purging

Elyabeth Gernmano 3-26-98

3-26-98 DDMT 24

1345 Samples taken:  
 1L HDPE (HNO<sub>3</sub>) - Tolmet  
 9oz glass jar - Turbidity

1340 Removed pump

1351 Sampled VOA w/ new disp. syringe Teflon bailer. 1st volume was very turbid 2nd volume also turbid & contained organic material water also had strong odd smell (unidentifiable). Waited for material to settle.

1404 2nd attempt sample w/ a 2nd new disp. Teflon bailer.  
 Water still slightly turbid.

1497 Dumped wastewater 36 gal

1444 Arrived @ office to decom ~~with~~ eg pump

1452 Heading to MW-13

1458 Arrived @ MW-13

TD = 80.3 DTGW = 68.10  
 80.3 - 68.10 = 12.2  
 12.2 x 0.163 = 2 gal/Vol  
 2 x 3 = 6 gal tot

Elyabeth Gernmano 3-26-98

3-26-98 DDMT 25

Equip: YSI & dedicated tubing  
1502 Forget bailer returned to office to punch them up

1508 Returned to MW-13  
Had wrong tubing returned to office for correct tubing

1530 Arrived @ MW-13  
1535 OVM Reading BG=0.0 ppm  
DH=0.0 ppm

1542 Start purging  
Observation: Well head needs to be checked. Possible surface seal broken.

1608 Parameters had stabilized when problem w/ controller box. Pulled out pump & collected all samples w/ bailer.

1710 Cleaned up site, secured well.

1730 Arrived @ office - decon pump, paper work, packed samples

Elizabeth Gurnano 3-26-98

3-26-98 DDMT 26

1750 Calibrating Turbidity Meter Calibration by Bob Tibbelle  
Equipment: Solms 03-25-98  
Hydro Turbidity Meter Model 16800  
SN 21113 CH24 P111

Zero - 1 Read 0.85  
0-10 Read 10  
~~0-100 Read 38~~ Eg-

MW	Turbidity
9	31
13	>100
23	56
38	4.2
53	2.0
19	>100
25	2.2

1915 Heading Home ☺

~~Eng bath Gurnano  
Eng 3-26-98~~

Elizabeth Gurnano 3-26-98

27

Friday, March 26, 1998

0730 Arrived on site, checked sample kits for MW-34, MW-21, MW-3, MW-7

0745 Calibrate YSI 610

- use same lot #'s & solutions  
0A 3-23-98

DO

prior = 10.10  
after = 9.99

Temp

prior = 20.3°C  
after = 21.1°C

pH

prior = 4.05    prior = 6.97  
after = 3.99    after = 7.00

Cond

prior = 9.98  
after = 10.00

Turb

prior = 2.8  
after = 0.0

Redox

prior = 230.4  
after = 236.2

Elyabeth Germinaro

3-27-98

3-27-98 DDMT 28

0820 Went to dump IDW water  
60<sup>gal</sup> decon water

30 gal purge water

0918 Head to MW-34

0925 Arrive @ MW-34

TD = 163.38 DTGW = 134.25

163.38 - 134.25 = 29.13

29.13 x 0.163 = 4.7 gal/vol

4.7 gal/vol x 3 = 14.1 gal tot

weather: partly cloudy, 5-10mph, 60S

personnel: Elizabeth Germinaro  
Bob Trebble

Equipment: YSI & dedicated

Hubing

0930 OVM Model 580B Serial 46327-276

On Site Instruments

OVM Calibrated w/100ppm isobutylene

Span = 0.5% w/ RFEg

BG = 0.0ppm    BZ = 0.0ppm

DH = 0.0pm

0938 Need DTGW.

Equip: Water level indicator

DTGW = 134.25

(Used above in calc)

291.457

Elyabeth Germinaro 3-27-98

3-27-98 DDMT 29

1008 Start purging  
 1030 Samples taken from pump discharge line  
 VOC duplicate taken  
 1038 Pulled out pump  
 1056 Cleaned site, secured well & headed to dump <sup>H2S</sup> IDW water  
 1059 Dumped ~ 28 gallons <sup>IDW</sup> water  
 1110 Stopped by MBE-1 to investigate obstruction in well.  
 1117 It appears well was damaged by construction crew. Put a water level indicator in well. Went in 4 1/2 ft to obstruction, which is ~4 1/2 below top of PVC casing, & ~1 1/2 below ground surface. Headed back to office to Gleason pump & reorganize sample kits & samples.  
 1130 Arrived @ office  
 1210 leaving office & grabbing lunch  
 1245 Returned to office

Elyabeth Germaine 3-26-98  
 3-27-98

3-27-98 DDMT 30

1300 Heading out to MW-21  
 1310 Arrived at MW-21  
 TD = 106.50 DTGW = 93.19  
 106.50 - 93.19 = 13.31  
 13.31 x 0.163 = 2.2 gal/Vol  
 2.2 x 3 = 6.6 gal TOT  
 weather: Sunny 70's 10-12 mph  
 personnel: EG, BF  
 Equip: YSI & dedicated tubing  
 1319 OVM Reading  
 BG = 0.0ppm BZ = 0.0ppm  
 PH = 0.0ppm  
 1331 Start purging  
 1405 Samples taken @ pump discharge line. Send only 2 of 3 MBE Samples. One damaged during collection.  
 1423 Cleaned up site, secured well & headed back to office  
 1432 Arrived @ office & packed up tubing  
 to decon pump & pick up tubing for MW-3

Elyabeth Germaine 3-26-98  
 3-27-98

3-27-98

DDMT

1517 heading to H10-3  
1529 Arrived @ H10-3

TD = 77 DTGW = 62.3  
(2 in. well)

77 - 62.3 = 14.7  
14.7 x 0.163 = 2.4 gal/vol  
2.4 gal/vol x 3 = 7.2 gal TOT

weather: partly cloudy, 70s/10-15mph  
personnel: EG, BT

equip: YSI & dedicated tubing

1533

Ovm Reading

BZ = 0.0 ppm BZ = 0.0 ppm

DH = 10 ppm

1546

Start purging

1615 Samples taken

1620 Cleaned up site, removed

pump, secured well &  
headed back to office. eg  
to dump IDW ~ 60 gal.

1650 Heading back to office

1702 Arrived @ office & dismissed

Elyabeth Germano 3-27-98

31

3-27-98

DDMT

pump, empty truck, packed  
samples, paperwork

1722

Calibrated Turbidimeter

Hach Turbidity Model 10800

CH<sub>2</sub>M Hill ID 2913

Calibrates: zero 0-1, 0-10, 0-100  
w/ standards

MW

Turbidity

7.5

7.2

50

51

eg 89 79

19

eg 75 58

>100

96

>100

44

45

1900 Leaving site

~~eg 3-27-98~~

~~eg 3-27-98~~

~~eg 3-27-98~~

~~eg 3-27-98~~

~~eg 3-27-98~~

Elyabeth Germano 3-27-98

Saturday, March 28, 1998

0730 Arrived on site  
Calibrated YSI 610-D  
- use same lot #'s &  
solutions as 3-23-98

DO

prior = 10.25  
after = 10.00

DH

prior = 4.04  
after = 4.00  
prior = 7.06  
after = 7.00

Cond

prior = ~~4.985~~ 9.853  
after = 10.00

Temp

prior = 22.05  
after = 22.05

Redox

prior = 233.  
after = 236.4

Turb

prior = -0.6  
after = 0.0

Elizabeth Germinaro 3-28-98

3-28-98

0809 Got together to discuss  
redistribution of remaining  
wells.

personnel: Bob Trebbie, Elizabeth  
Germinaro, Tara Prober,  
Steve Allison, Lillian Furlow,  
& Dan Marion

EG, BT need to do MW-11  
& MW-5 and in addition  
MW-10 & MW-29. Need to  
take a splot on MW-11  
& MW-10. Take a mensate  
when we get back to office  
@ the end of day

0845

Arrive @ MW-11

TD = 81.50 DTGW = 69.40  
(2 in well)

81.50 - 69.40 = 12.1

12.1 x 0.163 = 2 gal / Vol

2 x 3 = 6 gal TD

Weather: Budy, 60's to 70 mph

Personnel: Elizabeth Germinaro  
Bob Trebbie

Equipment: YSI & dedicated tubing

Elizabeth Germinaro 3-28-98

3-28-98

DDMT

35

0848 OVM Model 580B Serial 46327-276

Onsite Instruments

OVM Calibrated w/100ppm Isobutylene

Span = 0.56 w/ RFE6

BG = 0.0 ppm BZ = 0.0 ppm

DH = 0.0 ppm

0900 Start purging

0930 Samples taken

Split taken low

0938 Removed pump, cleaned up

site, secured well.

0947 Heading to pump MW-5

0948 Arrive @ MW-5

TD = 79.25 DT(GW) = 74.57  
(2 in. well)

79.25 - 74.57 = 4.68

4.68 x 0.163 = 0.8 gal/vol

0.8 gal/vol x 3 = 2.4 gal TOT

weather: partly cloudy, 70's, 10-15 mph

personnel: BT, EG

Equipment: YSI & dedicated tubing

0953 OVM Reading

BG = 0.0 ppm BZ = 0.0 ppm

DH = 0.0 ppm

Elyabeth Germanaro 3-28-98

3-28-98

DDMT

36

~~Start purging~~

Had to return to office to

pick up adapter for pump

1018 Arrived @ office

1027 Arrived @ MW-5

1036 Problems w/ generator going

for parts.

1045 Parts place closed headed

back to office to make phone

calls @ con 1st pump.

1059 Need to pick up new

generator

1145 Arrived back @ MW-5 w/

new generator

1147 Start purging

15 eq

1210 Samples taken

1220 Removed pump, cleaned

site, secured well

1224 Dump IDW ~ 33 gal

1234 Head back to office to discuss

pump, get samples @ MW-10

& MW-29

1312 Arrived @ MW-10

Elyabeth Germanaro 3-28-98

3-28-98

DDMT

37

MW-10

TD = 68.02 DTGW = 57.81  
(2 in. well)

68.02 - 57.81 = 10.21

10.21 x 0.163 = 1.7 gal/vol

1.7 gal/vol x 3 = 5.1 gal TOT

weather: partly cloudy, mid 70's,  
5-10-12 mph

personnel: EG, BT

equip: YSI &amp; dedicated tubing

OVM Readings

BG = 0.0 ppm BZ = 0.0 ppm

DH = 13.0 ppm

start purging

Samples taken (split taken)

Pump removed, cleaned site,

secured pump.

Headed to MW-29

Arrived @ MW-29

TD = 53.78 DTGW = 36.6

(2 in. well)

53.78 - 36.6 = 17.18

17.18 x 0.163 = 2.8 gal/vol

Elizabeth Germaine 3-28-98

3-28-98

DDMT

38

2.8 gal/vol x 3 = 8.4 gal TOT

weather: partly cloudy, mid 70's,  
10-12 mph

Personnel: EG, BT

Equip: YSI &amp; dedicated tubing

1423 OVM Reading

BG = 0.0 ppm BZ = 0.0 ppm

DH = 0.0 ppm

1431 Start purging

1500 Samples taken

1508 Clean up site, removed pump

secured well, heading to

dump IDW water.

Dumped ~30 gal IDW water

1526 Heading to office

1538 Arrived @ office-decon

pumps, paperwork, pack

samples

1550 Calibrates Hach Turbidimeter

CH2M Hill ID 2913

Calibrate: Zero, 0-10, 10-100

Elizabeth Germaine 3-28-98

291 462

3-28-98

MW  
22  
47  
11  
29  
51  
15  
26  
10  
05  
04  
40  
54

DDMT

Turbidity

59  
4.4  
6.7  
17  
2.8  
46  
60  
17.5  
5.5  
18  
0.9  
6.4

39

1800 Leaving site (1)

~~Elyabeth Germunaw  
3-28-98~~

Elyabeth Germunaw 3-28-98

291 463

Monday, March 30, 1998 40

0647 Arrived on site  
Calibrate YSI 610-D Use  
same lot #'s & solutions  
as 3-23-98

DO

prior = 10.05  
after = 10.00

Temp

prior = 20.52°C  
after = 21.76°C

pH

prior = 4.04  
after = 3.99

prior = 6.90  
after = 7.00

Cond

prior = 10.03  
after = 10.00

Turb

prior = 0.3  
after = 0.0

Redox

prior = 234.9  
after = 236.3

0807 Packed up truck w/ equip &

Elyabeth Germunaw 3-30-98

3-20-98

DDMT

41

sampling kits for MW-8 & MW-6.

0817 Run water taken SVOC, VOA,

TAL METS, from Grundfos

pump, 300ft Stero-Star

0841 Heading to dump decon water

in IDLE tank.

0848 Dumped ~ 55 gal

0909 Arrived @ MW-8

TD = 68.18 DTGW = 58.02

Note: Transposed # DTGW on

3-23-98 Team A log Book

68.18 - 58.02 = 10.16

10.16 x 0.163 = 1.7 gal/Vol

1.7 gal/Vol x 3 = 5.1 gal TOT

(2 in well)

weather: partly cloudy, 10-12 mph

70's

personnel: Elizabeth Germinaro

Bob Trebble

Equipment: YSI & dedicated

tubing

Start Purging

0928 Samples taken

0950 Elizabeth Germinaro

3-20-98

3-20-98

DDMT

42

0954 Clean dump site, Accu-<sup>ES</sup>

removed pump, secured well

1013 Arrived @ MW-6

TD = 70.10 DTGW = 58.24

70.10 - 58.24 = 11.86

11.86 x 0.163 = 1.9 gal/Vol

1.9 gal/Vol x 3 = 5.7 gal TOT

(2 in well)

weather: partly cloudy, 10-12 mph

high 70's

Personnel: EGA BT

Equip: YSI & dedicated tubing

1031 Start purging

1100 Samples taken

1107 Cleaned up site, removed

pump, secured well. Go to

dump. 1 DW water

1110 Dump 1 DW water ~ 30 gal

1120 Go to office

1128 Arrive @ Spec, decon pumps

1130 Take DI (water blank) sample

1215 Went to MW-35 to help

T. Propp & S. Allison

Elizabeth Germinaro 3-20-98



3/30/98

45

Content Attached and Dickina Suite  
@ 5/19/98Collected 9oz jar samples  
for Neulorian suites & 2nd  
9oz jar for TOC, PH, Moisture  
content, clay content.1803 @ Office ice soil samples  
cleaned up

1900 @ Leaday Home

Robert G. Gorman  
3-30-98

Elizabeth Gorman 3-30-98

Tuesday, March 31, 1998 46

0700 Drive @ Price. Set up sample  
jars for BS, SV, H, A, 10, 2V.0815 Discussion w/ Dan Marion, Bob  
Trumble, Elizabeth Gorman  
about soil sampling w/ Shawn  
- 2 set of gloves, put plastic  
on both tailgates. Econ  
between each interval

1340 Collected water levels from wells

located @ Dunn Field - Rain  
65°.MW 34 - JGS water level gauging  
equipment installed as record

Continuous water logs. Still

not got water level. Well head  
need screws for man-way and  
new lock.

1355 MW 14 - DTW = 71.48. Well head

need a new lock. Adjust to 2R - West

1400 MW 15 - DTW 64.13 feet. Well

needs a new lock - West  
Fence line of Dunn Field

D. Marion

3-31-98

3/31/98 47

- 1410 MW8 - DTW 58.14 ft. Well head  
Needs a protective casing cover,  
Well cap and lock. Located in brush  
area along West Fenc.  
1415 MW12 / MW35 - DTW MW12 = 71.0  
@ MW12 needs a lock and  
Same for MW35. Wells located  
along the West Fence line of  
Oum Field  
1425 MW9 - DTW 69.9' Well head  
is in good condition - Get new lock.  
1426 MW13 Well head under water  
will come back and check later  
1430 MW05 - DTW 74.48' Well head  
to have casing cut down a  
new cap and a lock  
1430 MW13 / MW04 is located along  
Main Road on west portion  
of Oum Field.  
1440 MW11 DTW 68.34' Well head  
is in good condition - Need new  
lock. May have fence line - identified.  
1450 MW3 - located end NW  
D. Marion 3-31-98

3/31/98 48

- corner of Oum Field Well head  
is in good condition DTW 62.23  
1450 MW2 - DTW = 24.13 Well located  
along North Fence line. Needs a  
new lock.  
1455 MW10 - DTW = 77.75  
Well located along North Fence line  
of Oum Field (Toward NW corner)  
1510 MW13 - DTW = 68.0' Located  
along Main West Road of Oum Field.  
Well needs a new lock.  
1518 MW09 - DTW = 72.32  
Located along North Side of Oum Field  
on the back of the Hill east  
of RR. Well, be nice if well  
casing was 3" higher to help prevent  
flow. Surface water to run into well  
MW8 DTW = 57.98  
1530 Well located along North  
Fence line toward the East  
Central portion of Site.  
D. Marion 3-31-98

3-31-98 49

- 1535 MW29 → DTW = 35.92  
Well needs a new lock and well cap.
- 1545 MW28 → DTW = 53.36'  
Well located along east fence line of Owen Rd. Well head in good condition. New lock.
- 1550 MW46 → DTW = 50.78'  
Well head needs a new lock located along east parking of Owen Fld across from Canon Street.
- 1555 MW42 →  
Located 50' South of Farnum Rd along East fence of Owen Fld. Needs a new lock (small well head).  
Otherwise well is in good condition.
- 1605 MW36 → DTW = 150.29'  
Well head filled with water. Need ten screws for man-way cover. Also needs a lock. Well head is in good condition.

D. Menon

3-31-98

3/31/98 50

- 1645 M06.120 to Soil sample location B3.5V1 (Collected Time 1655)
- 0-2" Root zone sample  
- Collected and gave sample for 4 holes. Collected sample, Duplicate, 11 Spade Pops, Matrix Spikes each sample will be analyzed for Dichloro Sulfite (902) and TOC, PH, Moisture Content, Clay Content
- 0-4" Soil  
- Collected one 902 (Soil Sample) jar for dichloro analysis and one 902 aliquate for TOC, PH Clay and Moisture Content.
- 4"-8" Collected Soil Finted 3  
- One 902 aliquate for dichloro  
- One 902 aliquate for TOC, PH, Clay Content and Moisture Content.

D. Menon

3-31-98

3/31/98

51

8"-12" Soil Layer #3

- Collected one 90z aliquote for Dietrich

- Collected one 90z aliquote for TOC, pH, Clay Content and Moisture Content.

12"-21" Composite Sample Soil Layer 5

- 1-90z aliquote for dietrich

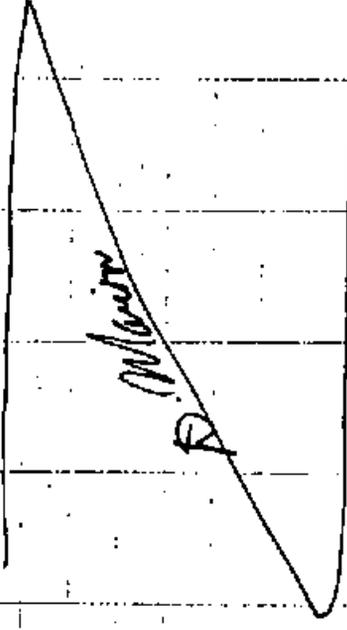
- 1-90z Aliquot Ball Core for TOC, pH, Clay Content Moisture Content

St Street

835V1

Tree

Sign on Road

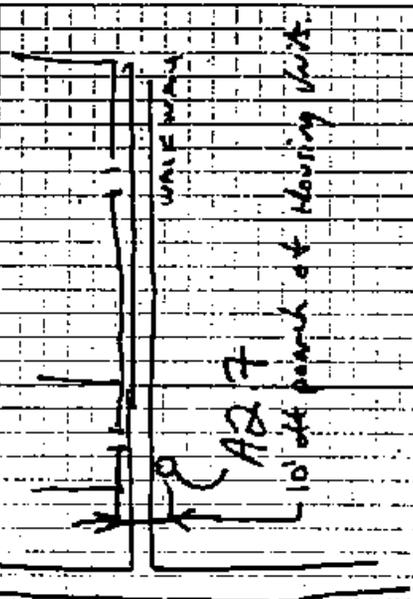


D. Marion

3-31-98

3/31/98

52



0-2" (Root Zone) Collected @ 1740

- Collected one Aliquote 90z for Dietrich Peitrich Suite

- Collected one 90z Aliquote for PH, TOC, Clay Content and Moisture Content

0-4" Soil Layer 1

- 1-90z Aliquote for Peitrich Suite  
- 1-90z Aliquote for TOC, pH, Clay content and moisture Content

4"-8" Soil Layer #2

\* 1-90z aliquote for Peitrich Suite  
\* 1-90z aliquote for TOC, pH, Clay Content and moisture Content

D. Marion

3/31/98

3/31/98

53

- Layer 1 8"-12" Soil Layer 3
- Layer 2 1-9oz aliquots for Pesticide
- Layer 3 1-9oz aliquots for TOC, pH, Clay content, Moisture Content
- Layer 4 2"-22" Composite Soil Sample
- Layer 5 9oz aliquots for Pesticide Soaks
- Layer 6 9oz aliquots for TOC, pH, Clay Content, Moisture Content

1980 Leave Site - End Day

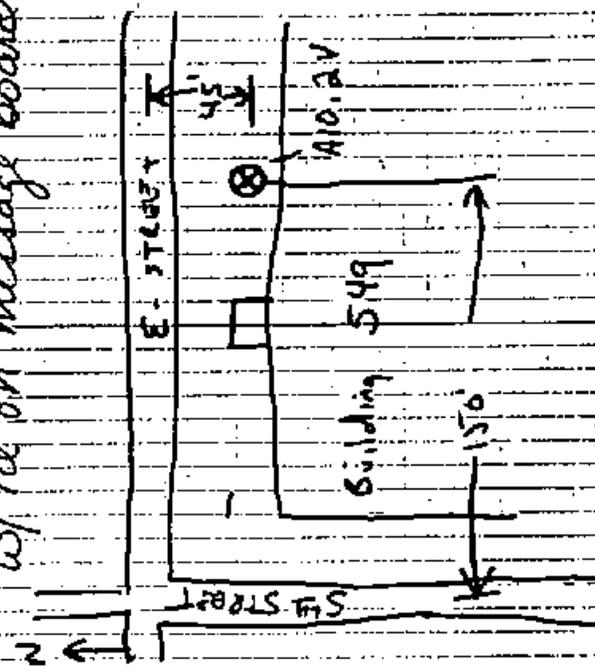
~~Dr. R. M. Mason~~

R. M. Mason

3/31/98

Wednesday, April 1, 1998 54

- 0715 Arrived on site. Discussed plan of action
- 0800 Loading up truck for A/O 2 V E. A15.8V. A/O 2 will be done w/ client. Go back to other sites & take picture w/ 1d on message board



Sample located 4' N of building 549 and 45' South of the center line of S-Street.

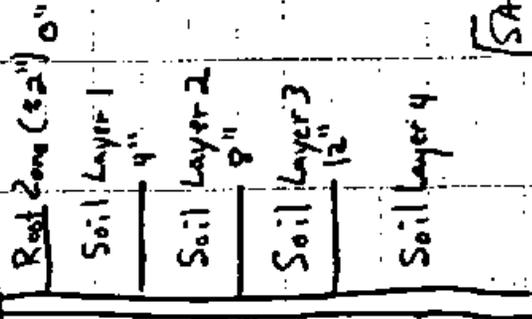
R. M. Mason

4-1-98

291 470

55

4/1/98  
Soil Profile for A10.2V



SAMPLE COLLECTED  
TIME 9:15

910 Root Zone Sample: Collect 2-9-02

Jars for Sample analysis.

\* 1-902 for pesticide Suite

\* 1-902 jar for TOC, PH, Clay Content and Moisture Content.

Sample Allotment taken for from 4 boring locations. - 2 were checked for

Soil Layer 1: Collect 8-902 jars for the following analytical require-  
ments

R. Mearns

4/1/98

56

\* 2-902 jars for - for pesticide Suite and one for TOC, PH, Clay Content and Moisture Content.

\* 2-902 for a Duplicate - Same parameters as above

\* 2-902 for a matrix Spike Duplicate w/ Same parameters

\* 2-902 jars for matrix Spike w/ Same parameters

Soil Layer 2:

\* 1-903 jar for pesticide suite

\* 1-903 jar for TOC, Clay Content, and Moisture Content

Soil Layer 3:

\* 1-903 jar for pesticide suite

\* 1-903 jar for TOC, Clay Content, and moisture Content

Soil Layer 4: We encountered a slab of concrete to 4/1/98

R. Mearns

4/1/98

57

in each hole. We took a full sample (903 jar) of pesticide and about 1/3 of a jar for TOC, clay content, and moisture content.

#1 - 903 jar for pest

#1 - 903 jar for TOC, clay, moisture

1027 Record equipment and

move to the next location

1120 Set up to collect A15.6V.

Location is situated 50' North of Railroad; parallel to

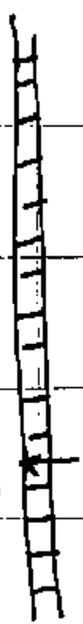
Just about centered between

B10 429 & B10 529.

A

↓  
15  
58

⊙ A15.6V



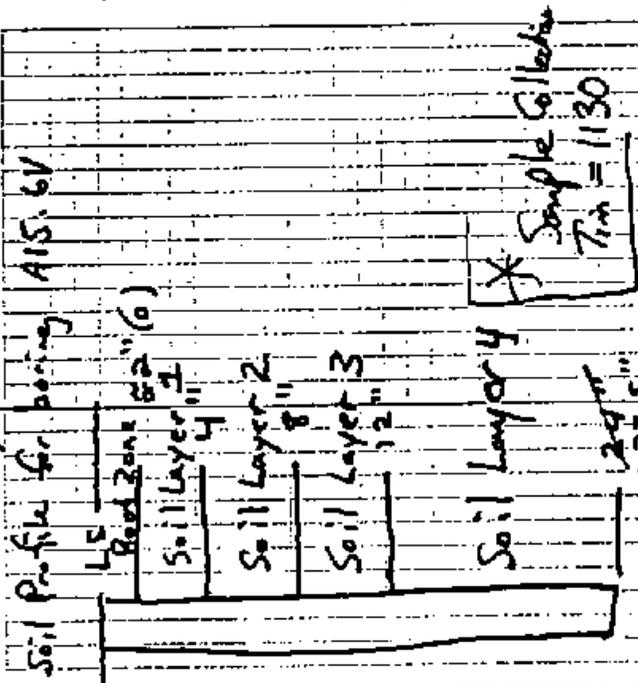
Building  
529

Building  
429

D. Martin

4/1/98

58



Root Zone Sample: (Soil was back

w many roots - grass and organic)

Areas had standing water due

to previous days rain.

\* Collect 902 a log with for

dechlorin surf

\* Collected 902 aliquots for TOC

pH, Clay content and moisture

Content

D. Martin

4/1/98

59

Soil Layer 1 (0-4")

- \* Collected 1-9oz aliquots for dielectric parameters
- \* Collected 1-9oz aliquots for TOC, Ph and Clay & Moisture Content

Soil Layer 2 (4"-8")

- \* Collected 1-9oz aliquots for dielectric SDRs
- \* Collected 1-9oz jar for TOC, Ph, Clay Content and Moisture Content. A pH graph was collected to document the 8" core collected. Photo shows length of the core

Soil Layer 3 (8"-12")

- \* Collected 1-9oz jar for dielectric and
- \* Collected 1-9oz jar for TOC, Ph, Clay Content and Moisture Content (Brown Clay - fine sand)

A. Mearin

4/1/98

60

Soil Layer 4 (Composite 12"-23")

- \* Aquired to 23.5" - Collected two Spoon Volumes and Composted Soil from 0"-23.5"
- Collected 1-9oz jar for dielectric
- Collected 1-9oz jar for TOC, PH, Clay Content and Moisture Content.
- Soil moisture is color - Damp - Clay with some silt & sand

## 1602 Calibrate YSI 610-DM

Team B, Model 16820-C-O-Y  
SN 96K0622AA

DO

Prior = 9.63

After = 9.99

pH

Prior = 4.01

After = 4.00

Prior = 7.05

After = 7.00

A. Mearin

61

4/11/98

Cond  
 prior = 9.919  
 after = 10.00  
 Temp  
 Prior = 22.95  
 after = 22.91  
 Redox  
 Prior = 233.4  
 after = 230.3  
 Turb =  
 prior = 1.1  
 after = -0.1  
 1637 GB to MW-7 (repaired today)  
 1654 DTGW = 62.14 ft

TD = 17.20 DTGW = 62.14  
 (2 in. well)  
 77.20 - 62.14 = 15.06  
 15.06 x 0.163 = 2.5 gal/vol  
 weather: clear, 70's, 57 mph  
 personnel: Elizabeth Germinaro  
 Steve Allison  
 Equip: YSI & dedicated tubing  
 Grundfos pump  
 Elizabeth Germinaro

4/11/98 62

DDMT  
 1717 Start Purgng

Time	Vol	Temp	Cond	DO	pH	Redox	Turb
1723	start	18.5	0.004	8.86	5.89	193.1	732.2
	0.5						
1725	5.0	18.6	0.300	6.25	5.97	191.4	505.0
1728	8.0	18.4	0.295	6.11	5.95	197.1	114.2
1731	10.0	18.6	0.295	6.13	5.96	201.5	53.6

1734 Turb made down  
 1740 Stopped purging - drew H<sub>2</sub>O  
 test below Ditch. Sample w/  
 yellow bacteria to mercurio a.m.

1756 Go to MW 124  
 1804 Arrive @ MW-24  
 TD = 116.63

DTGW = 105.32  
 Bailer used to purge

Time	Vol	Temp	Cond	DO	pH	Redox	Turb
1823	start	18.18	0.181	9.29	5.93	233.1	1153.2
1838	2	17.8	0.239	9.36	6.04	246.9	1537.9
1852	4.5	17.75	0.235	9.47	6.01	256.1	1527.8
1906	6.0	17.73	0.243	9.33	6.01	253.4	1527.7

H<sub>2</sub>O level drawn down to ~ 2 ft  
 Sample in AM  
 1920 Go to office

Elizabeth Germinaro

DDMT 4/1/98 63  
 1932 @ Office - start inventory &  
 clean up.  
 2015 heading home

4/1/98

~~Elizabeth Germano~~

Elizabeth Germano

Thursday, April 2, 1998 64  
 0715 Arrive @ Office  
 0732 Go to MW-7. Sampled w/  
 new disp. Teflon barrel  
 0804 Put a weel cap on MW-6  
 0812 Arrive @ MW-24 to sample  
 w/ new Teflon barrel  
 Note: Smell from potpourri  
 plant.  
 weather: clear, 70's o. 5mph  
 Personne: Elizabeth Germano  
 Steve At 1:50p  
 0847 Arrive back @ Office  
 0915 Took a field blank @ MW-24  
 due to smell from potpourri  
 plant - No smell now  
 Took Ambient Sample  
 by Steve Allison  
 1057 Go to dump I SW water  
 ~140 gal.  
 1146 Return empty drums  
 1155 Fuel up Red Truck & generator  
 Elizabeth Germano 4/2/98

~~1235~~ -65-

1235 Drop generator

1248 Wash Red Truck

1311<sup>084</sup>

Back @ Busch - packed

sampled, cleaned office

Ship samples & equipment

Returned rental equipment

1700 Heading out (1)

2/2/98

Elizabeth Germaine

Elizabeth Germaine 4/2/98

-66-

END  
OF  
LOG

291 476

~~Elizabeth Germaine~~

**FINAL PAGE**

**ADMINISTRATIVE RECORD**

**FINAL PAGE**

**FINAL PAGE**

**ADMINISTRATIVE RECORD**

**FINAL PAGE**