



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

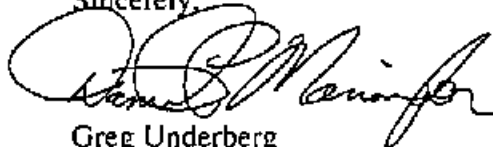
PROJECT NUMBER: 113630.23.03

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.

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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 de-watered.
- Physical parameter measurements of the water including pH, conductivity, turbidity, redox potential, 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 µg/L to a high of 66.6 µg/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 µg/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 µg/L observed in MW-36 and a decrease of 144.7 µg/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 µg/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 µg/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 (± 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 9.7×10^{-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 7.61 mg/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 indicate 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 1 mg/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 (HCO_3^-) and Ammonium
Limited TOC, HCO_3^- , and ammonium data are currently available. The low TOC values and 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

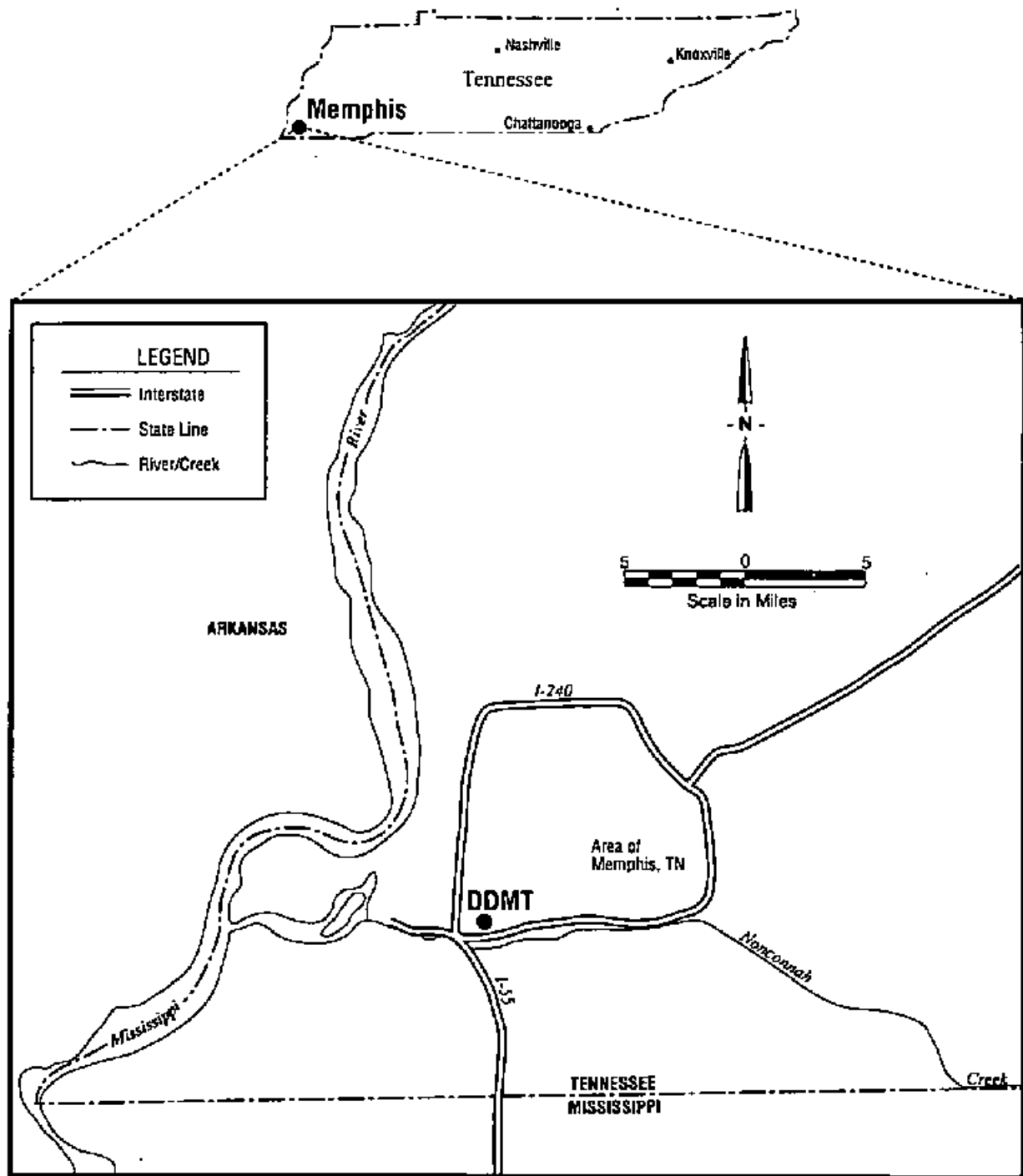
MW-31 and MW-35, a trend that was observed over the period from February 1996 to June 1997.

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

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Figures



SOURCE: Engineering-Science, 1993.

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

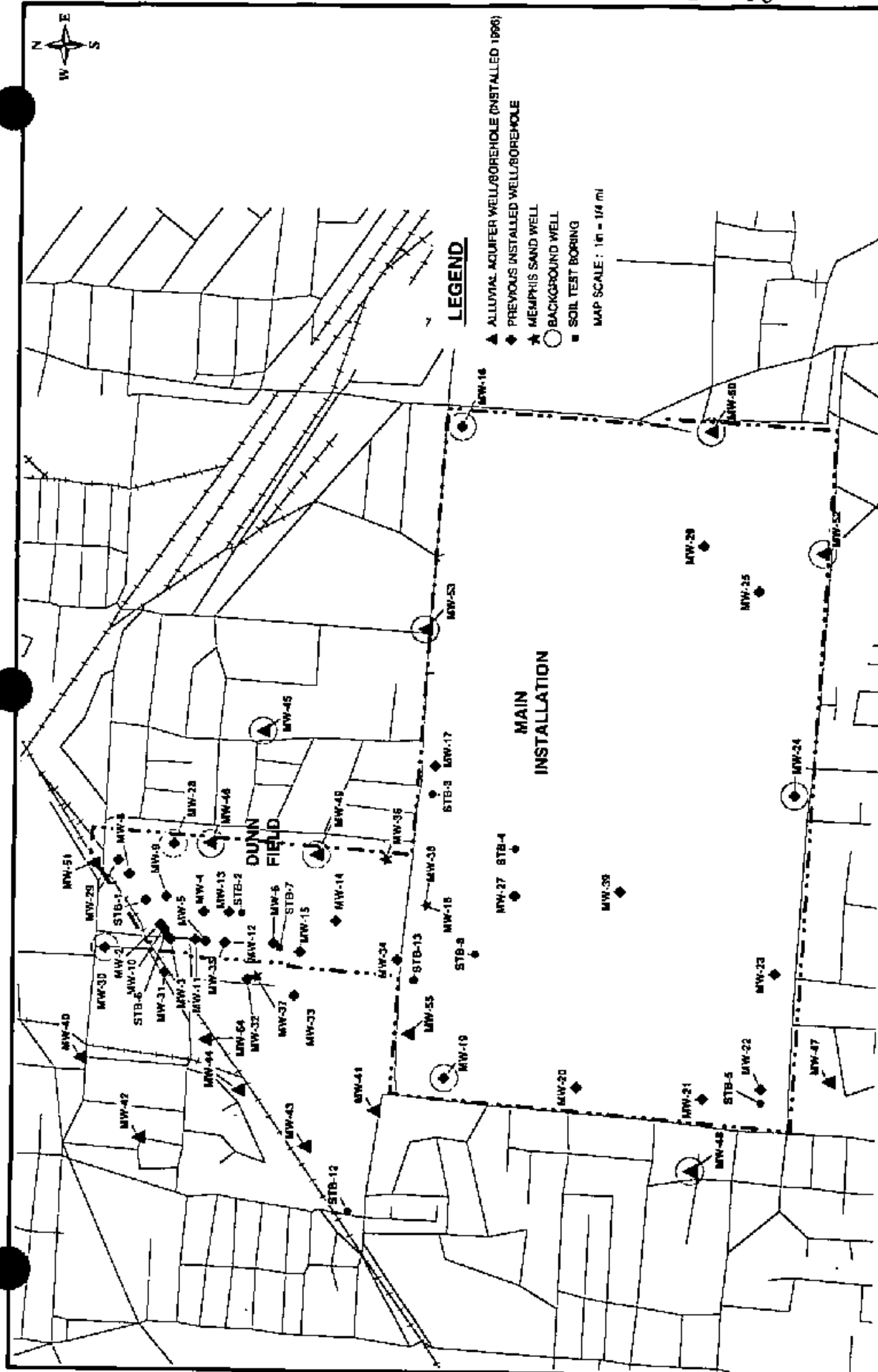


FIGURE 1-2

**GROUNDWATER MONITORING WELL
AND SOIL BORING LOCATIONS**
Defense Distribution Depot Memphis, Tennessee



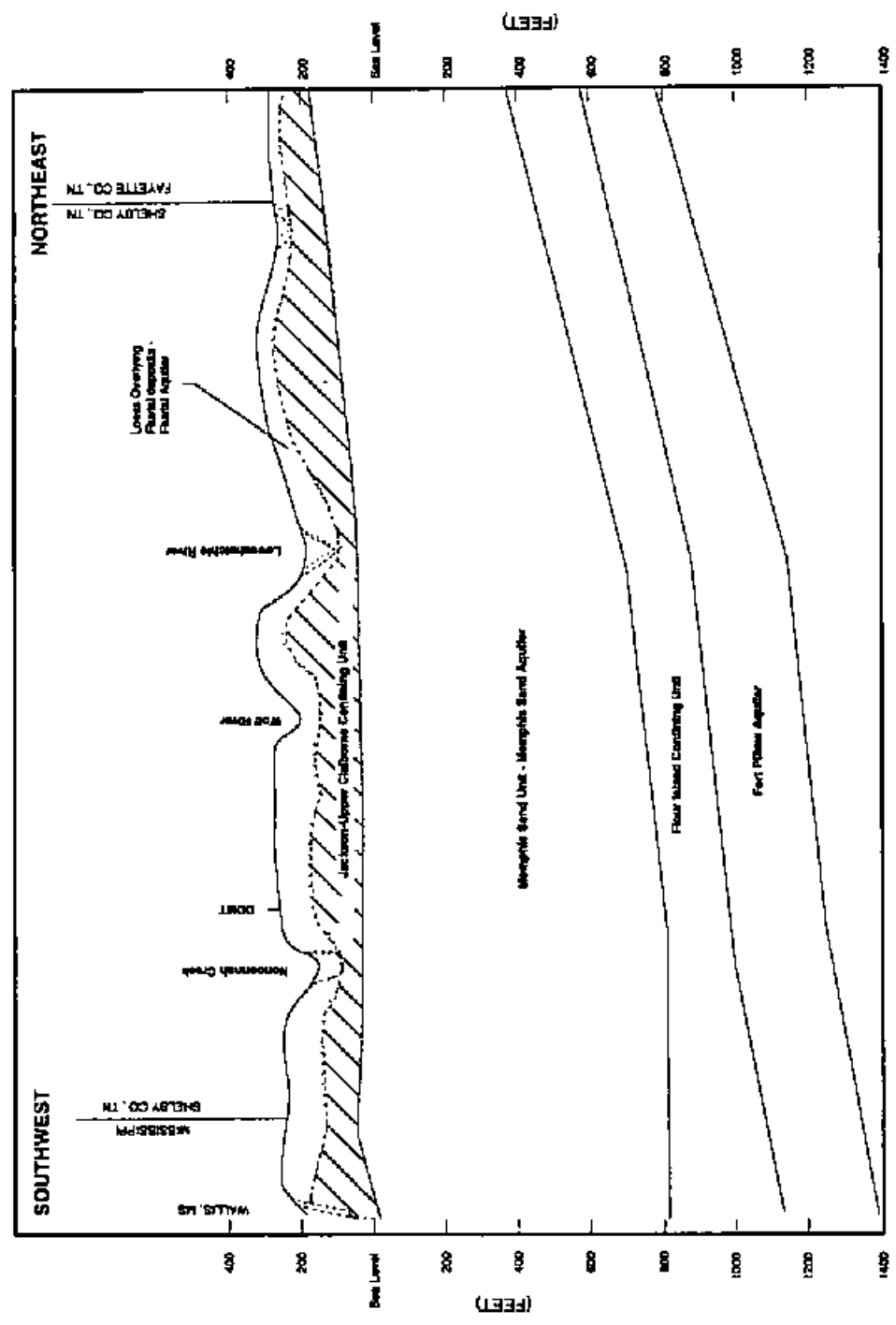
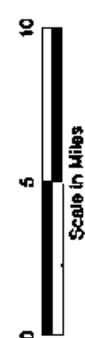


FIGURE 1-3
GENERAL GEOLOGIC CROSS SECTION OF THE MEMPHIS AREA
Defense Distribution Depot Memphis, Tennessee

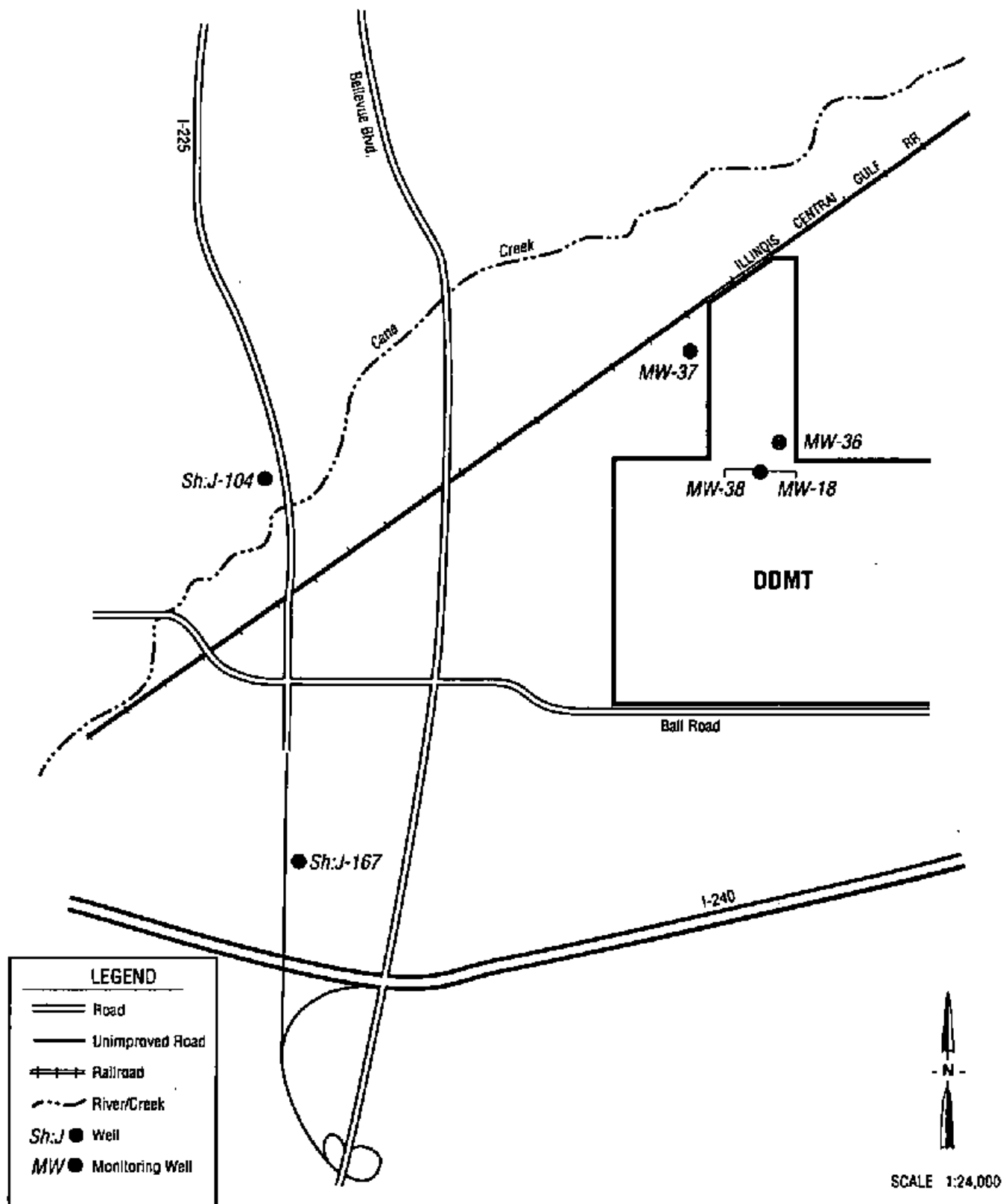


Figure 1-4
Confined Sand Aquifer Well Locations
 Defense Distribution Depot - Memphis, Tennessee

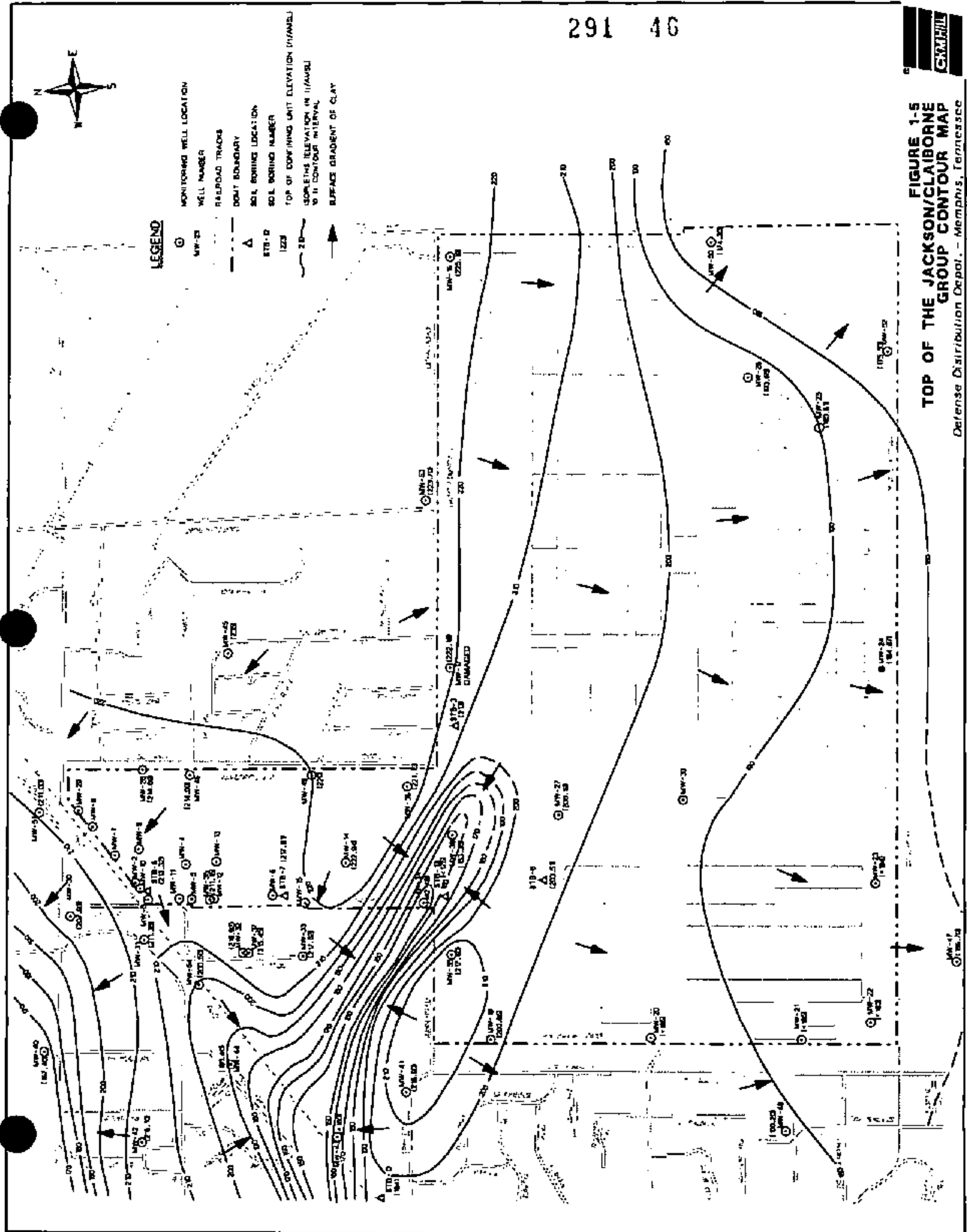


FIGURE 1-5
TOP OF THE JACKSON/CCLAIBORNE
GROUP CONTOUR MAP
 Defense Distribution Depot, - Memphis, Tennessee

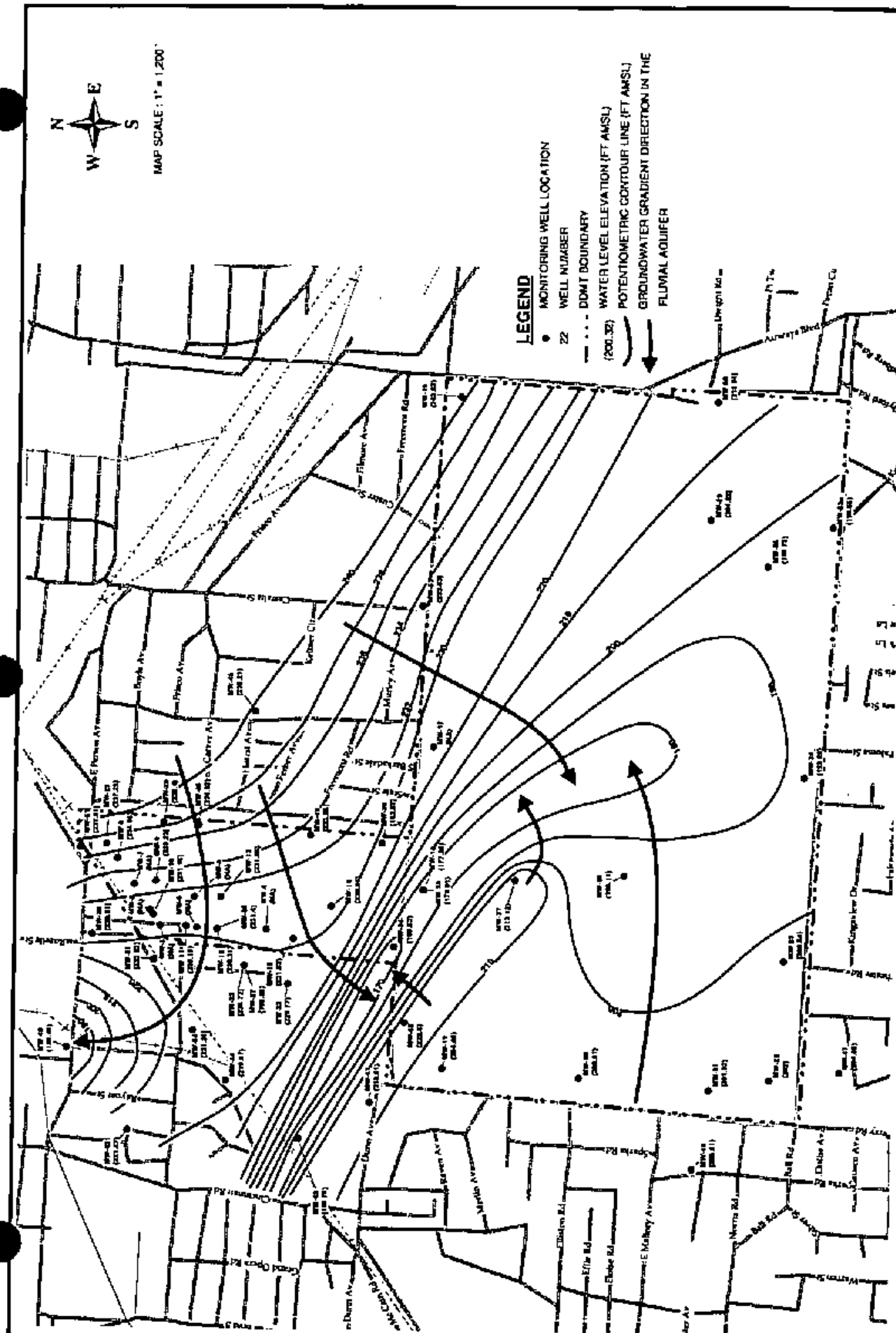


FIGURE 3-1
POTENTIOMETRIC SURFACE MAP
MARCH, 1998
Defense Distribution Depot Memphis, Tennessee



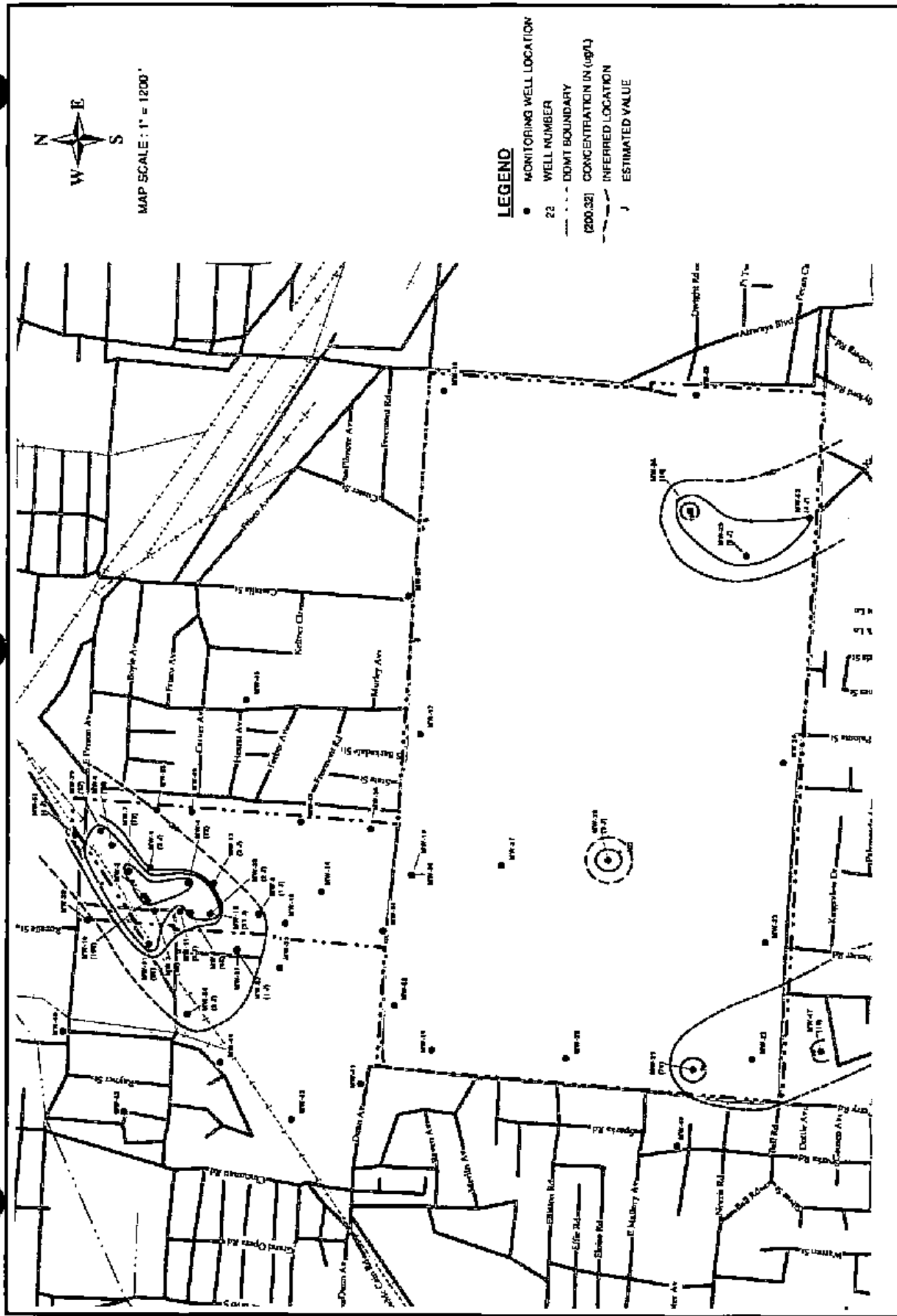


FIGURE 3-3
TETRACHLOROETHYLENE (PCE) CONCENTRATION
IN FLUVIAL AQUIFER - MARCH, 1998
Defense Distribution Depot Memphis, Tennessee

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

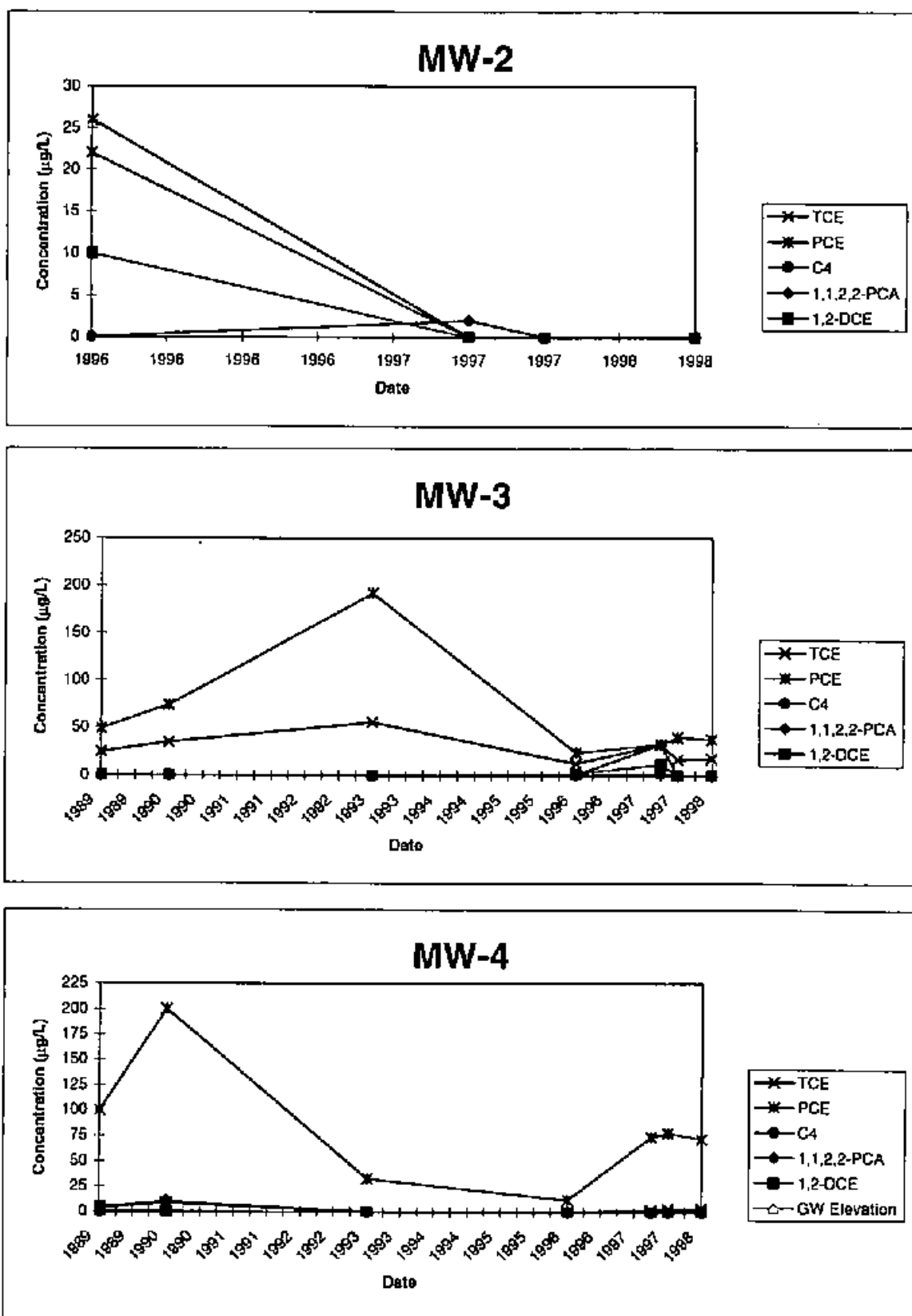


Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations

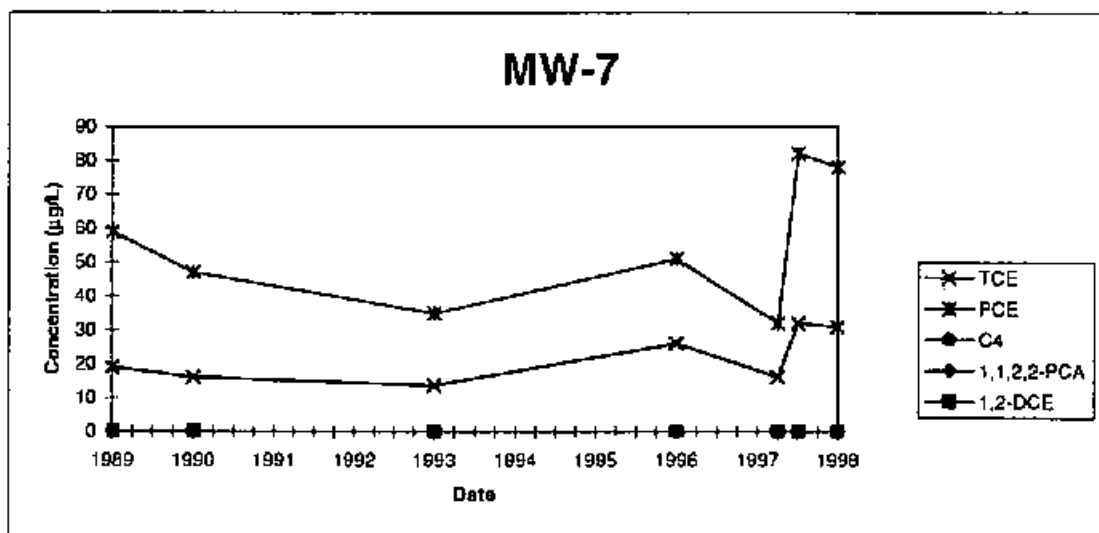
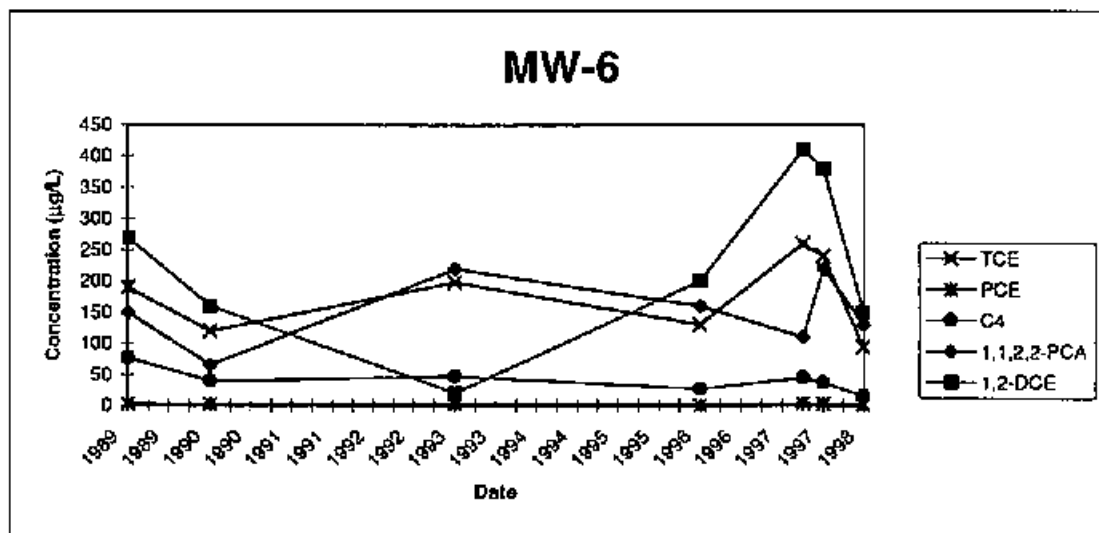
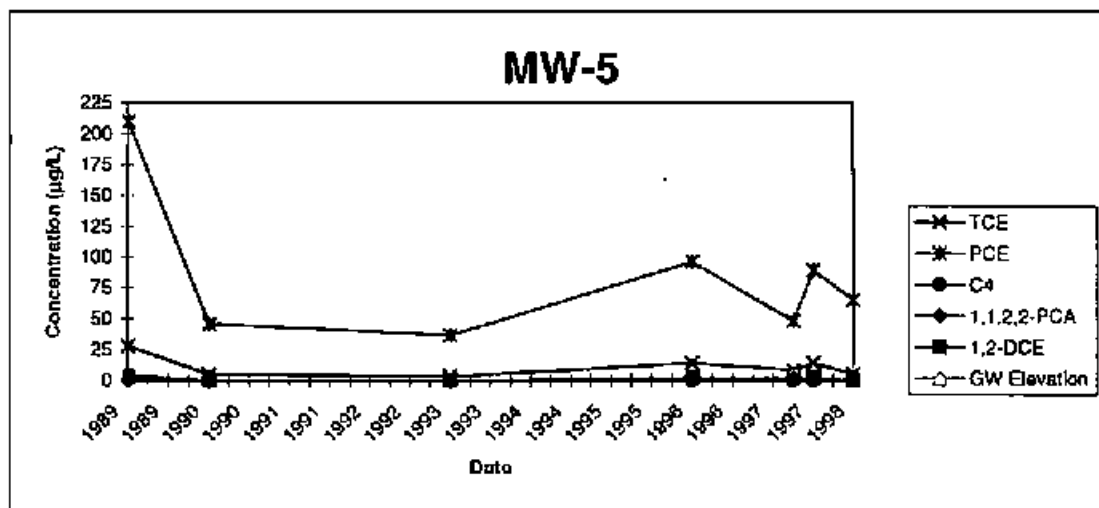


Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations

291 52

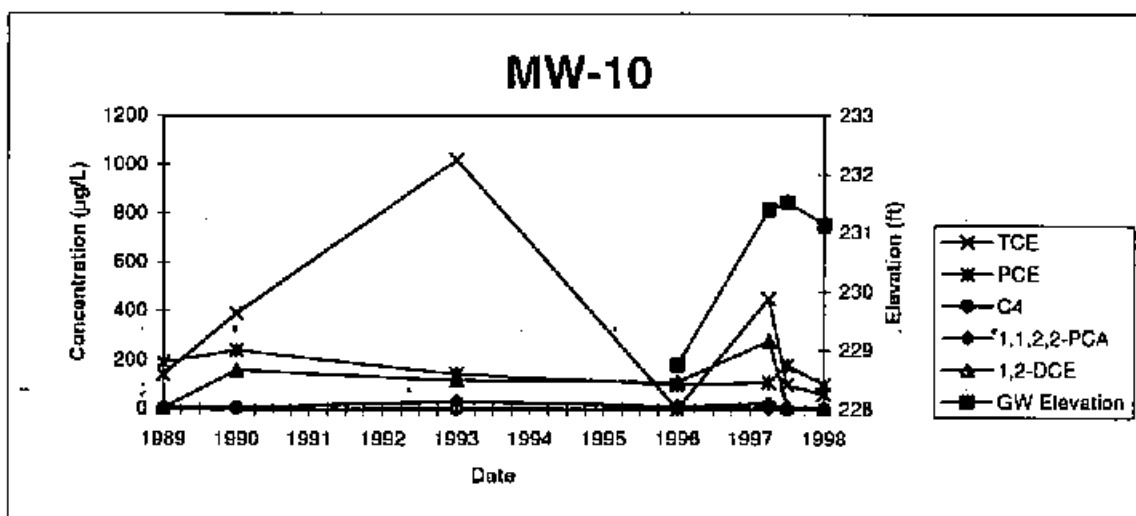
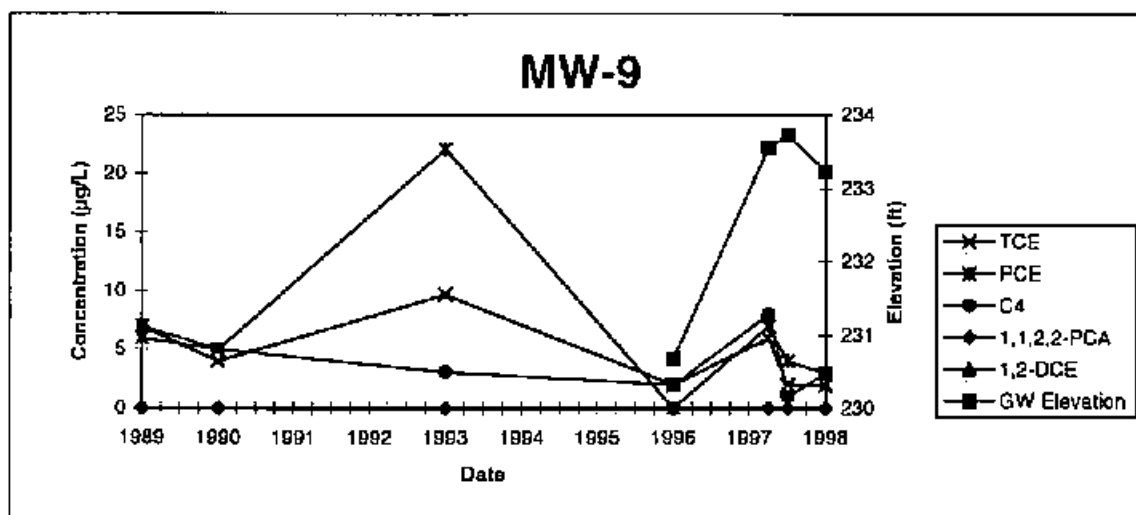
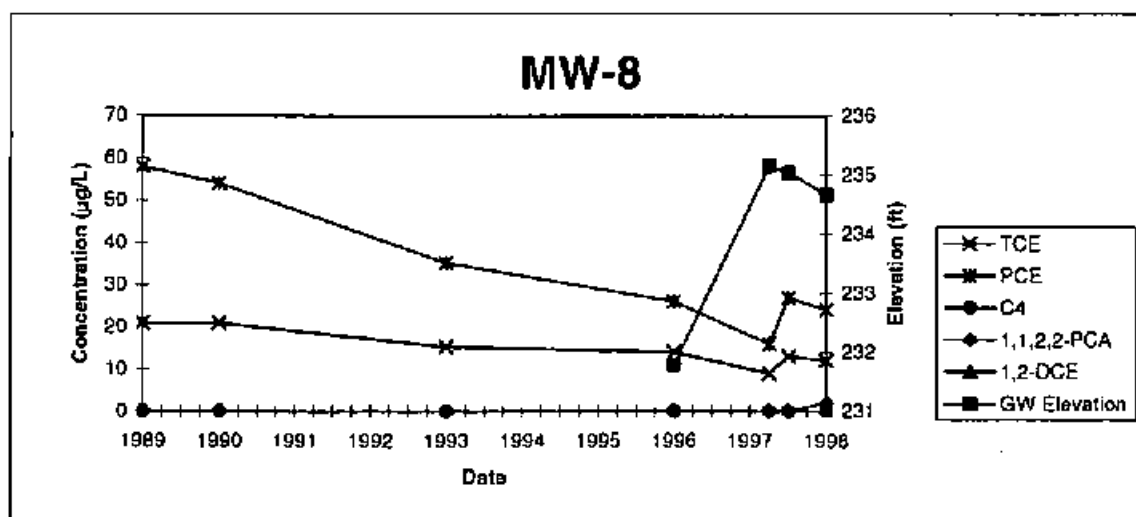
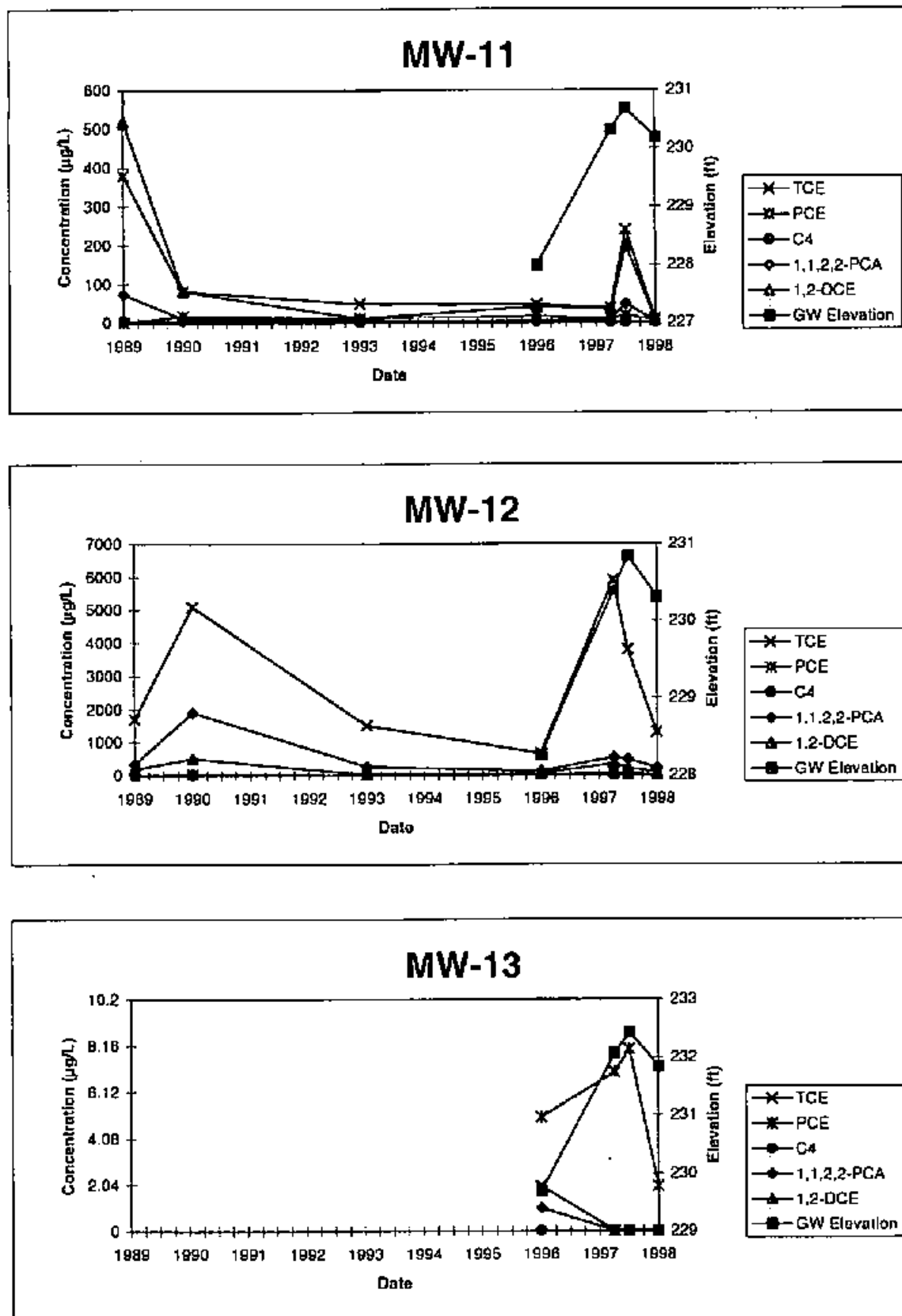


Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations



291 54
Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations

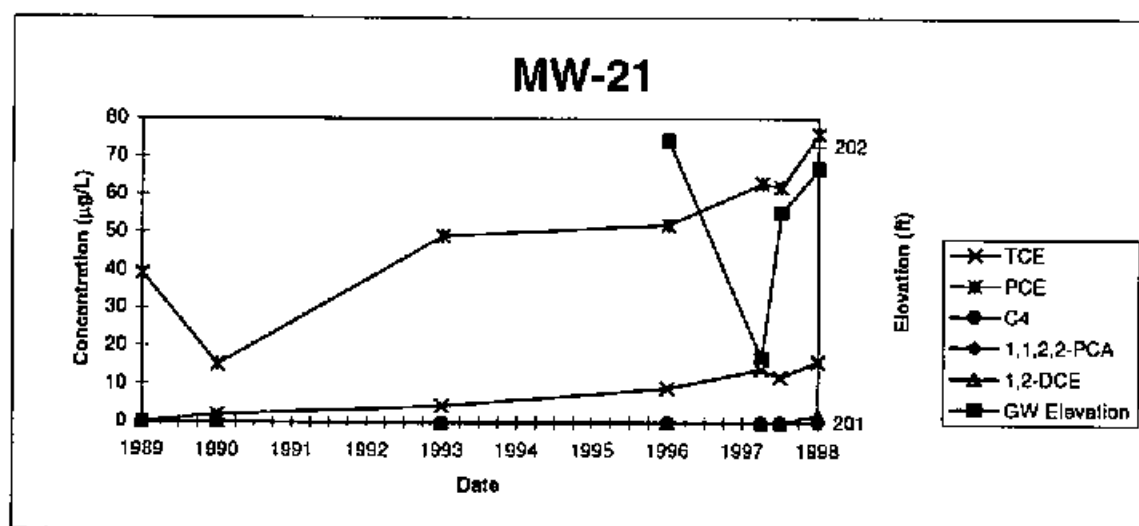
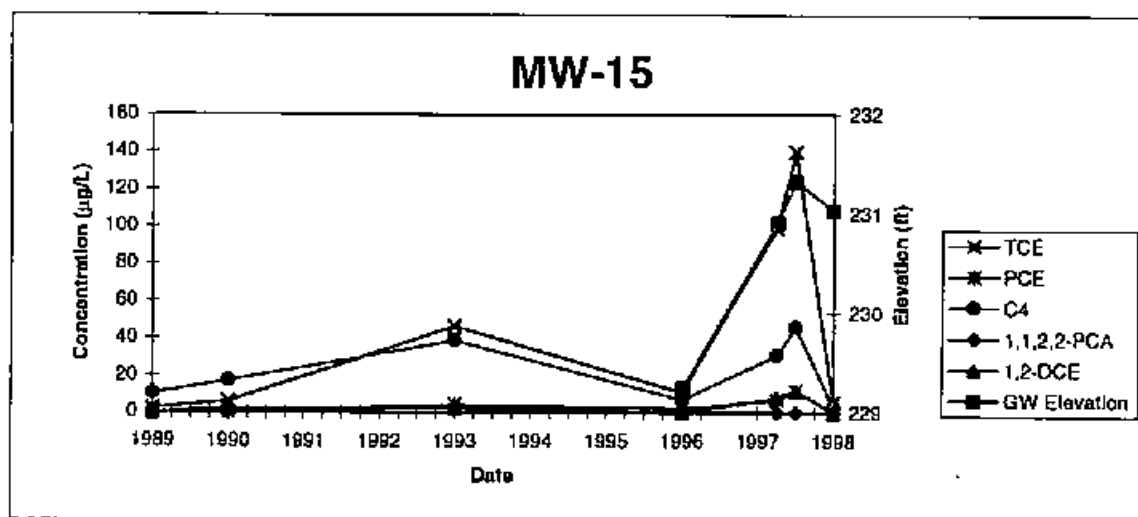
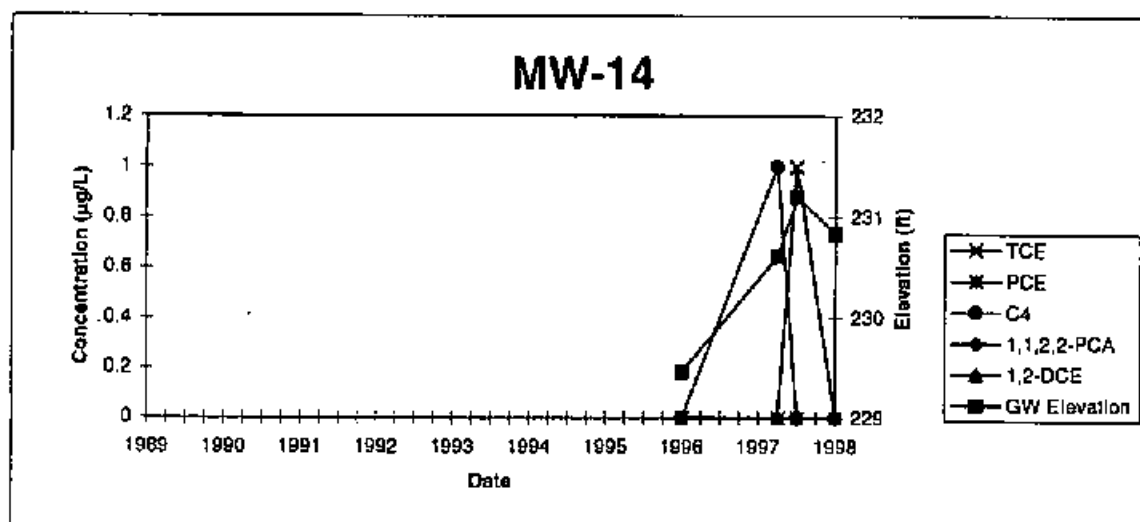


Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations

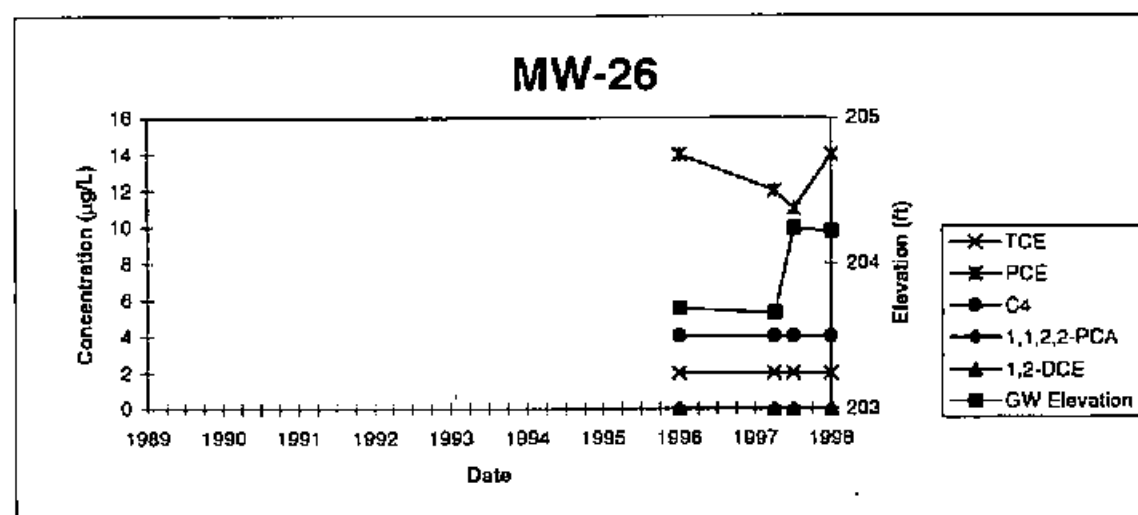
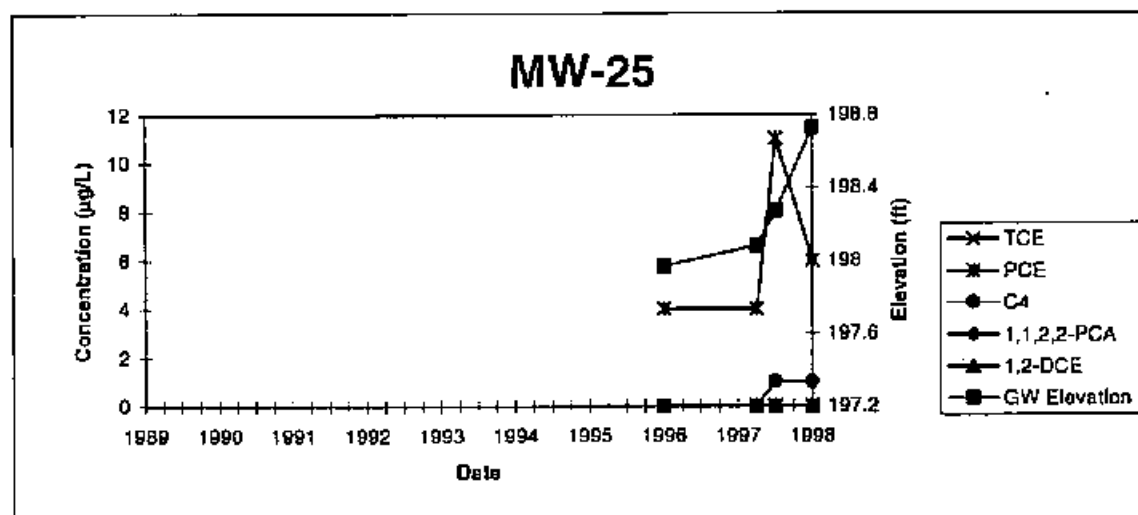
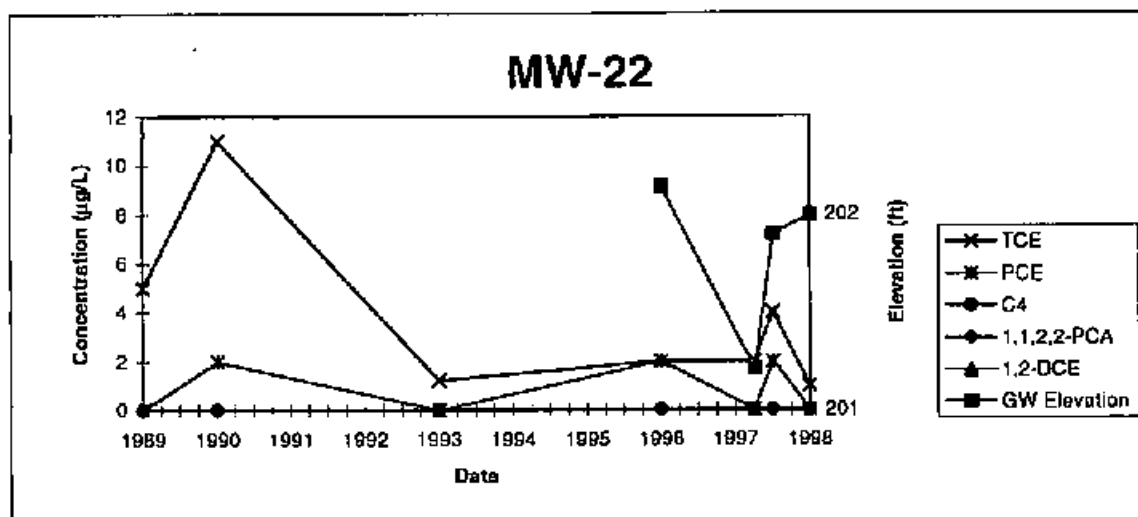


Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations

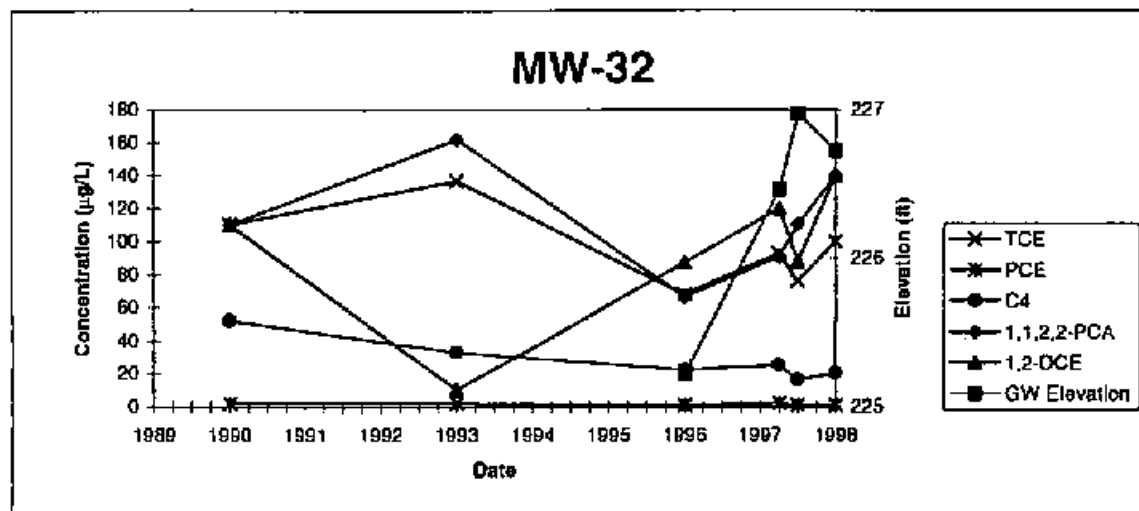
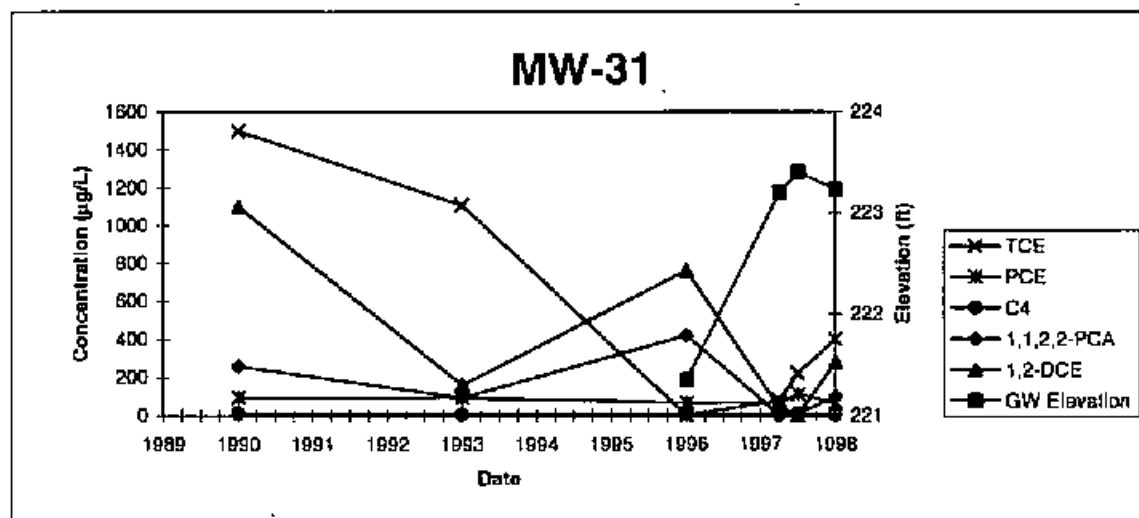
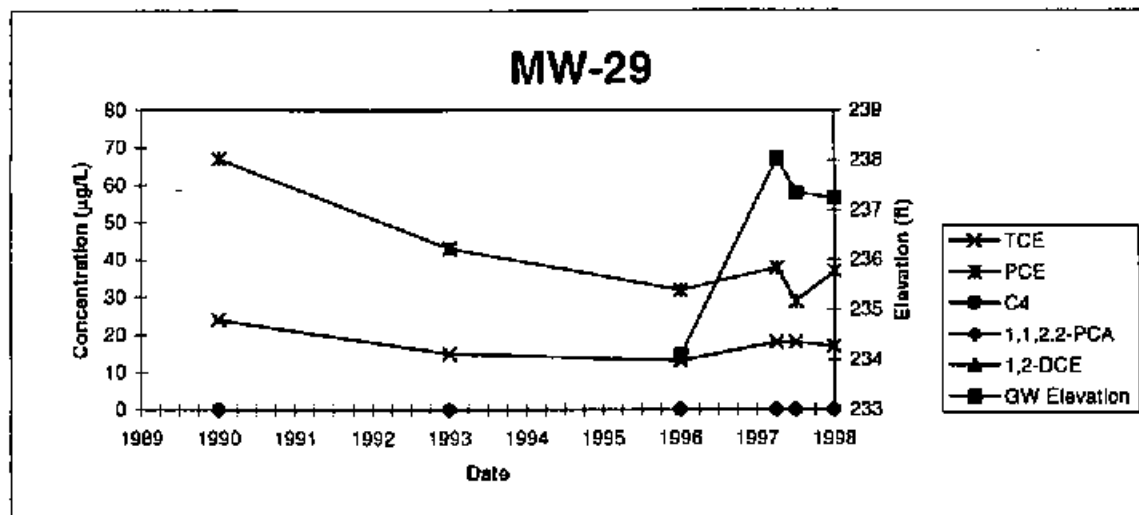


Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations

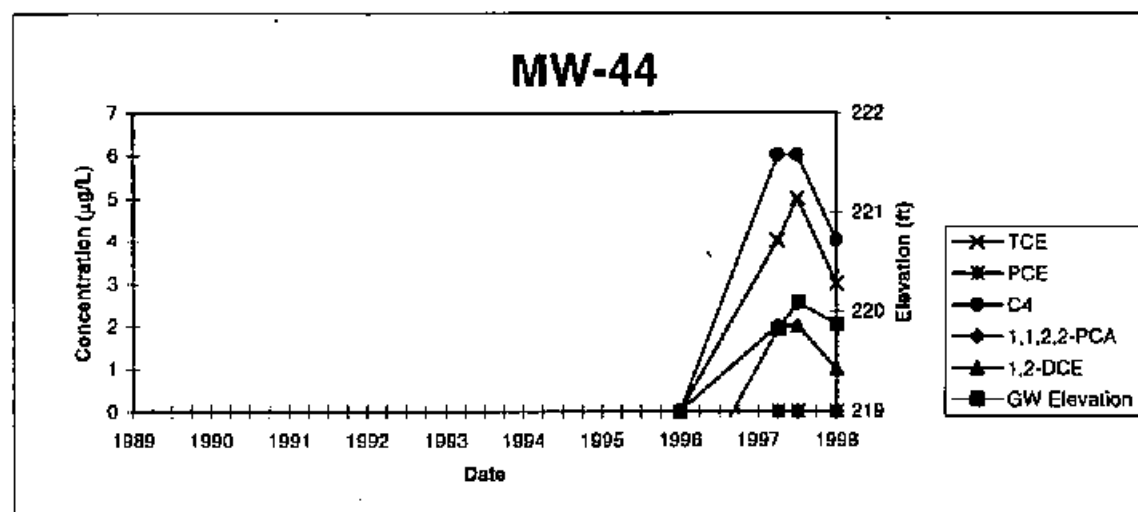
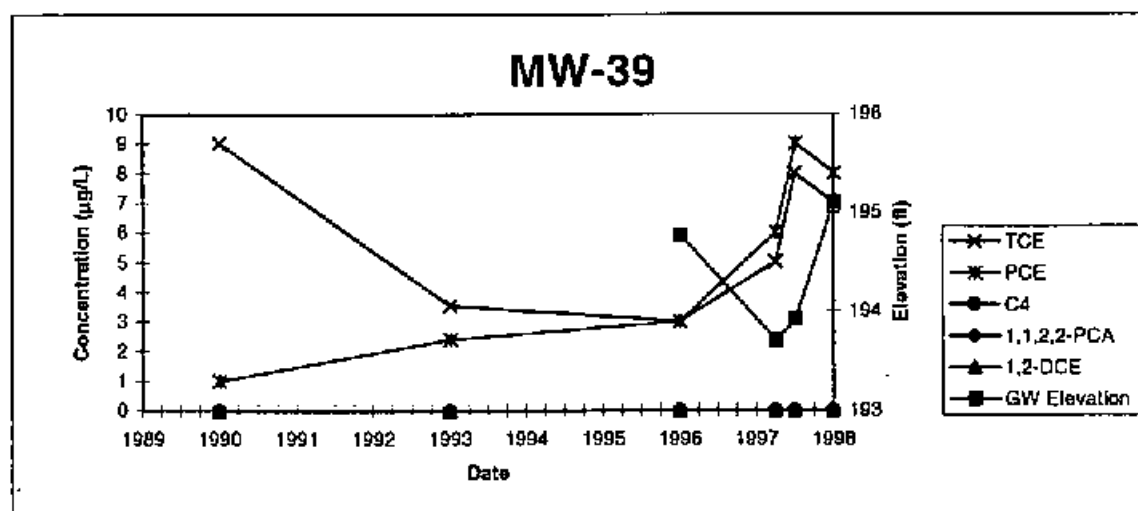
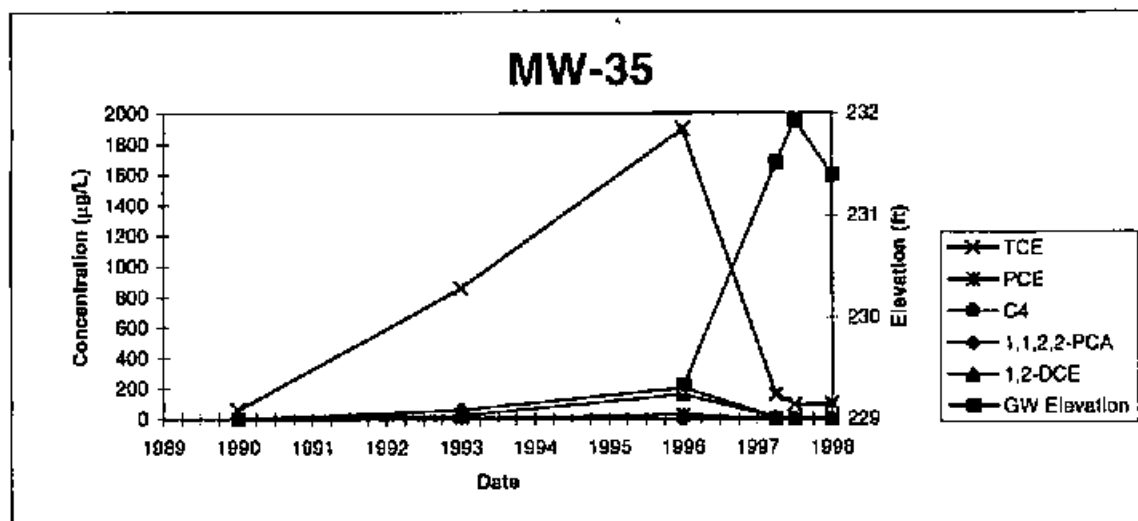


Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations

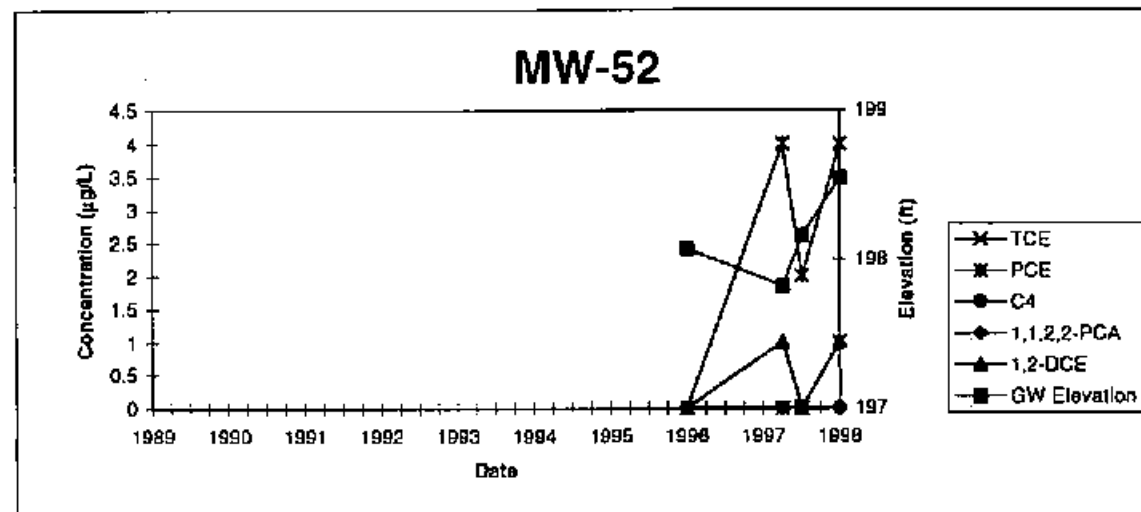
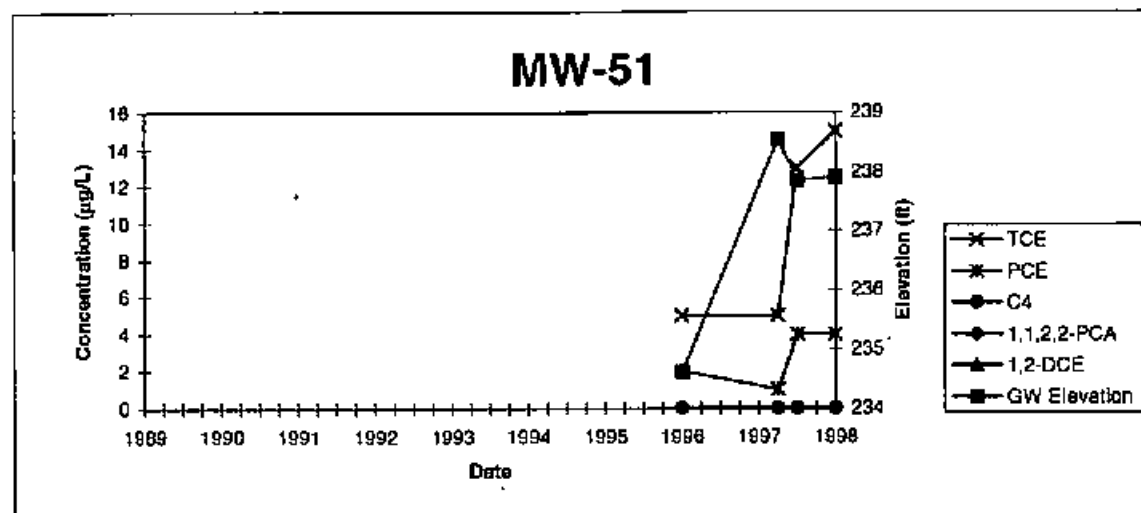
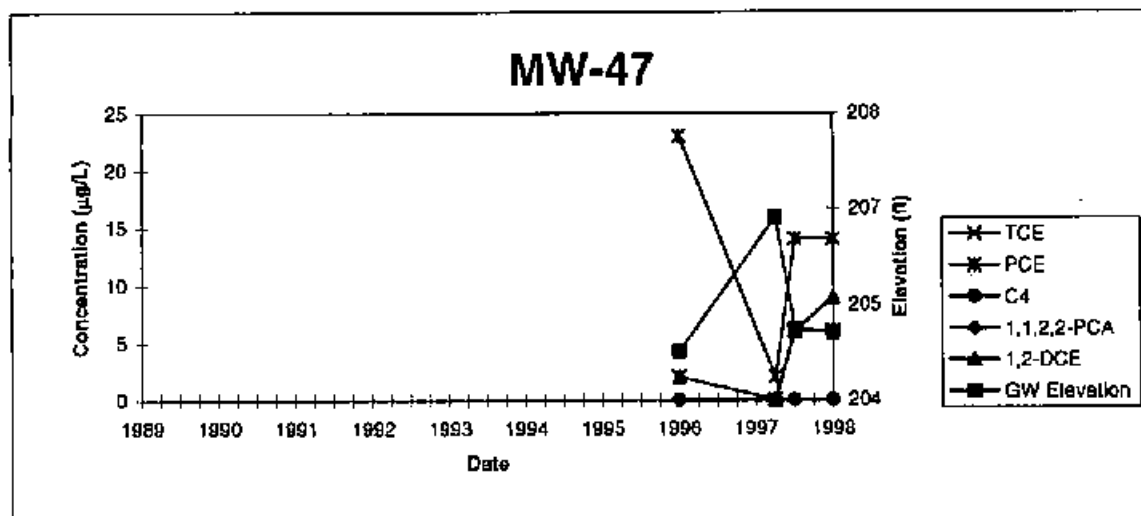
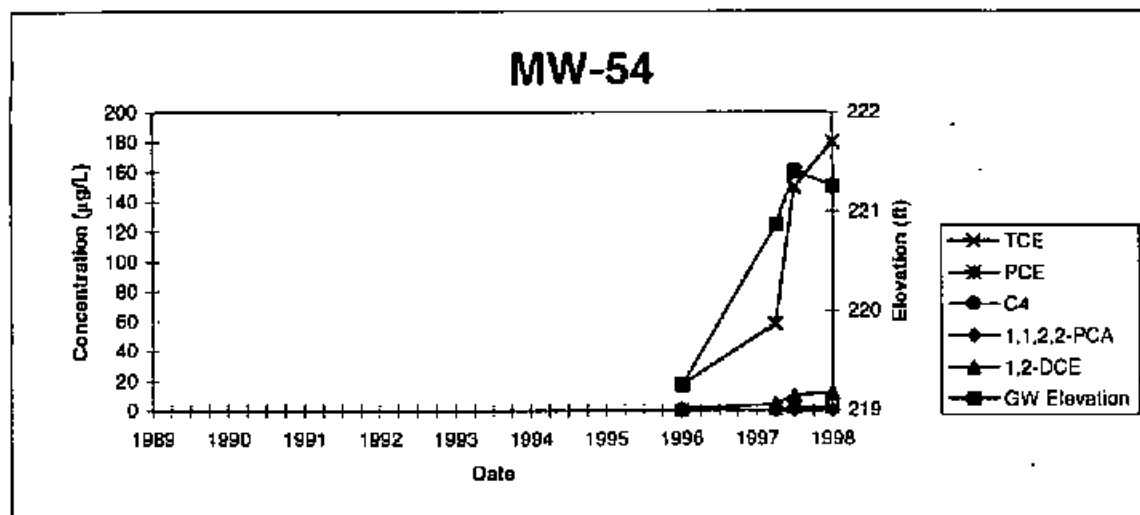


Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations



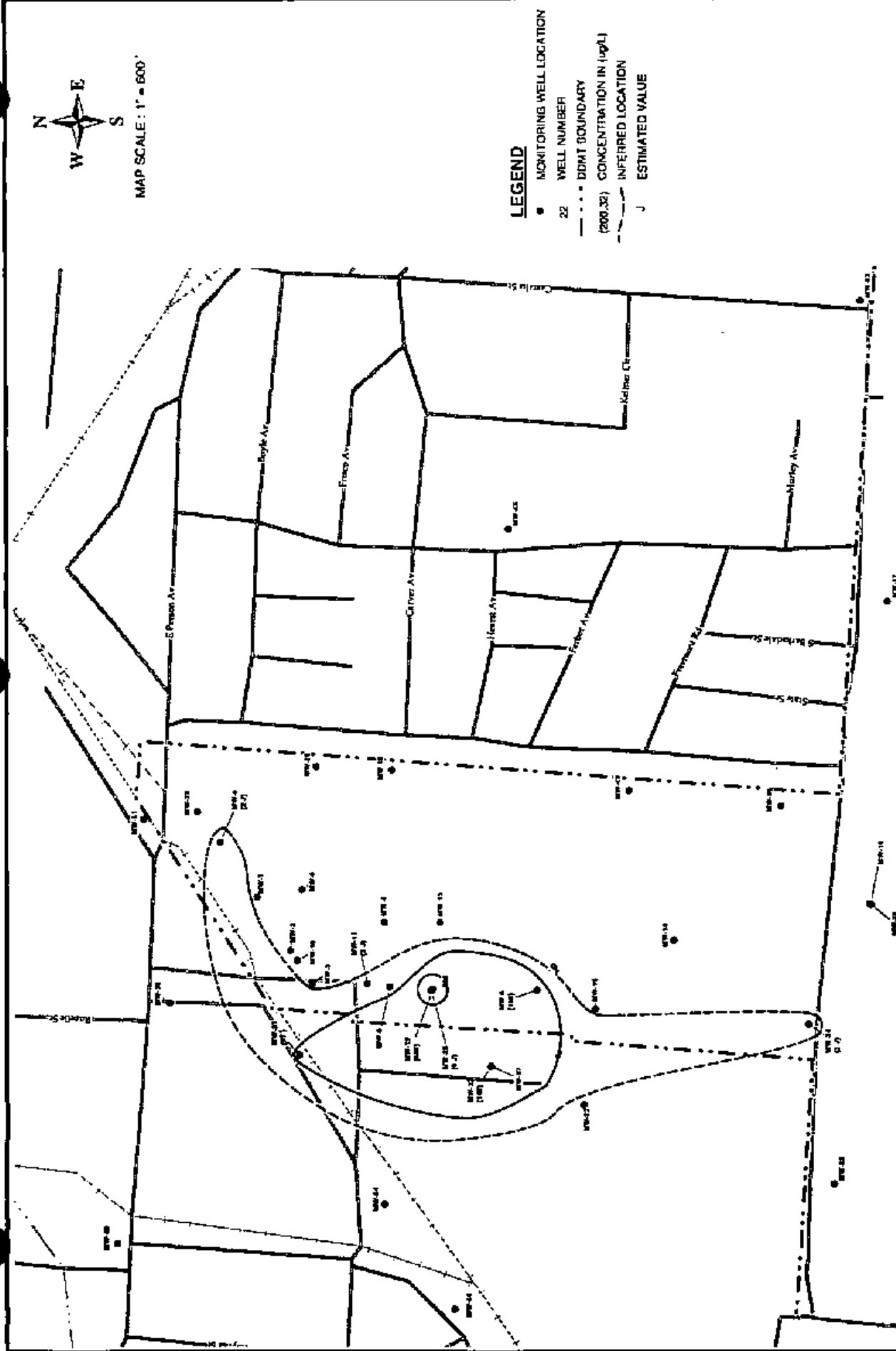


FIGURE 3-6
1,1,2,2-TETRACHLOROETHANE (1,1,2,2-PCA) CONCENTRATION
IN FLUVIAL AQUIFER - MARCH, 1998
Defense Distribution Depot Memphis, Tennessee

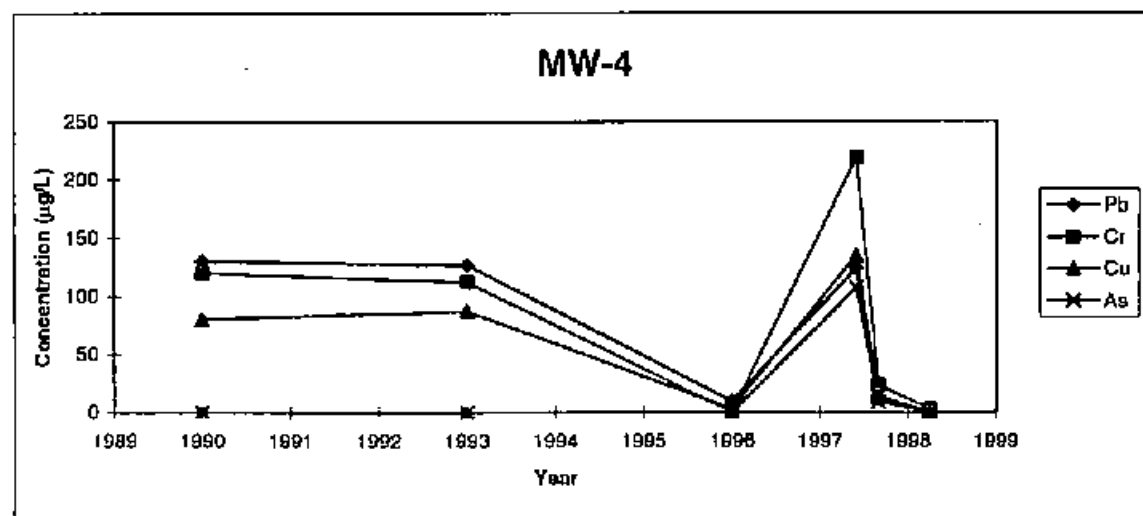
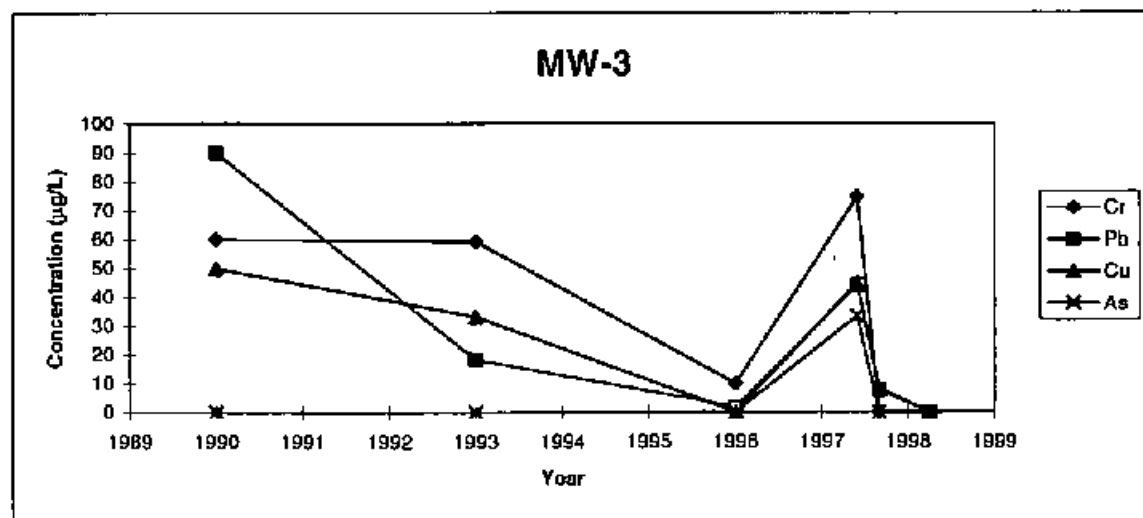
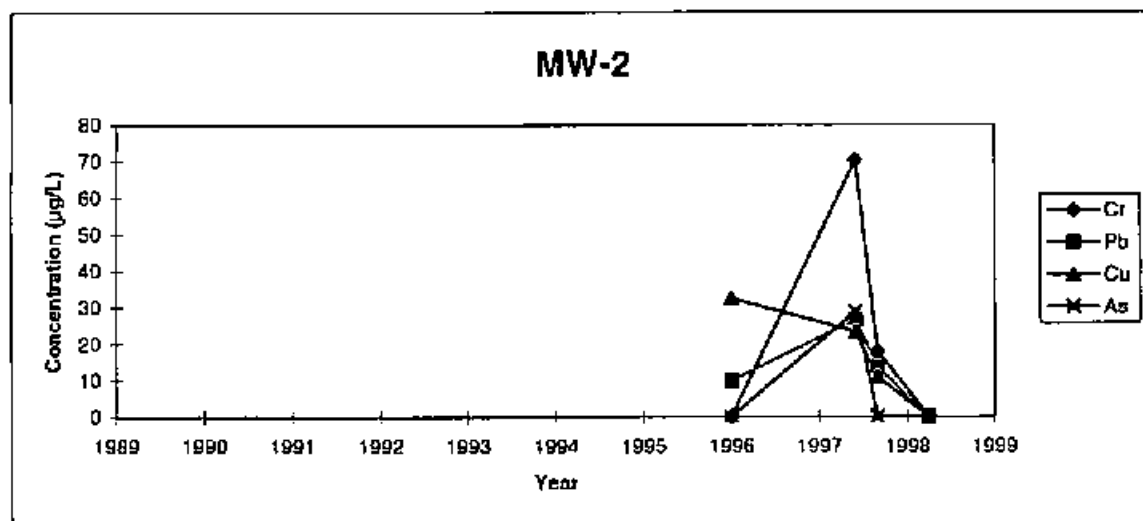


FIGURE 3-7
**CARBON TETRACHLORIDE (C4) CONCENTRATION
IN FLUVIAL AQUIFER - MARCH, 1988**
Defense Distribution Depot Memphis, Tennessee



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



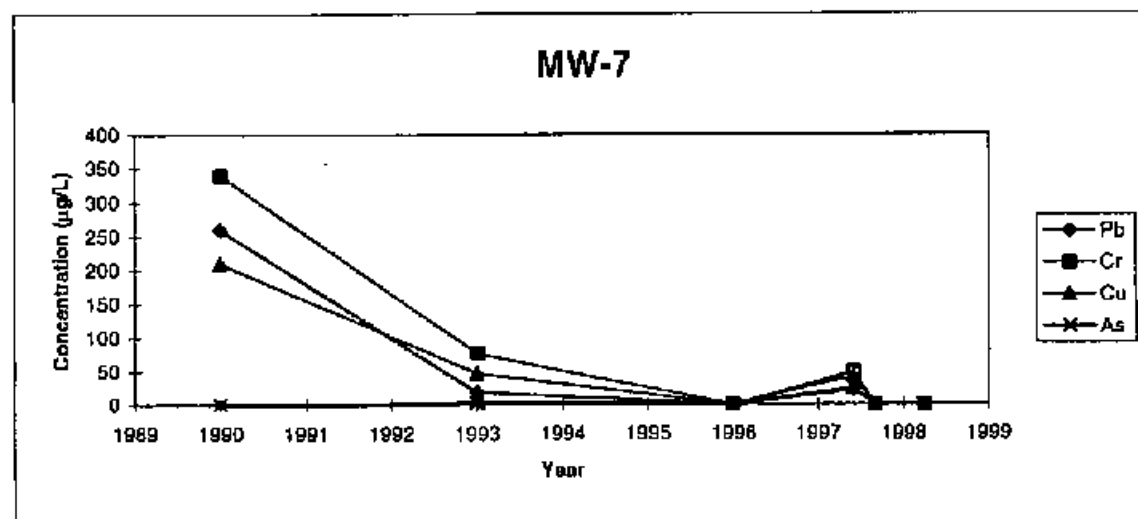
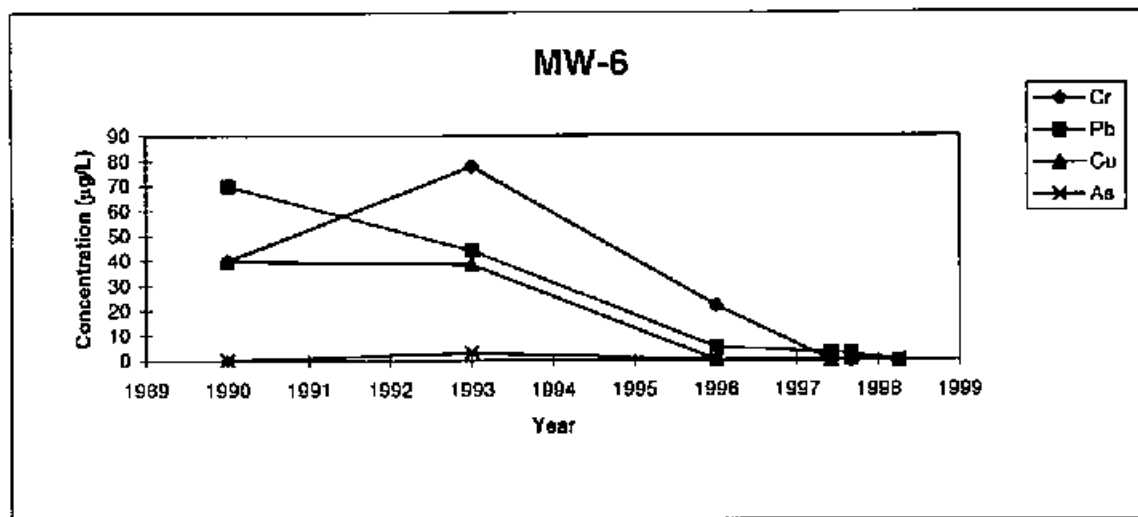
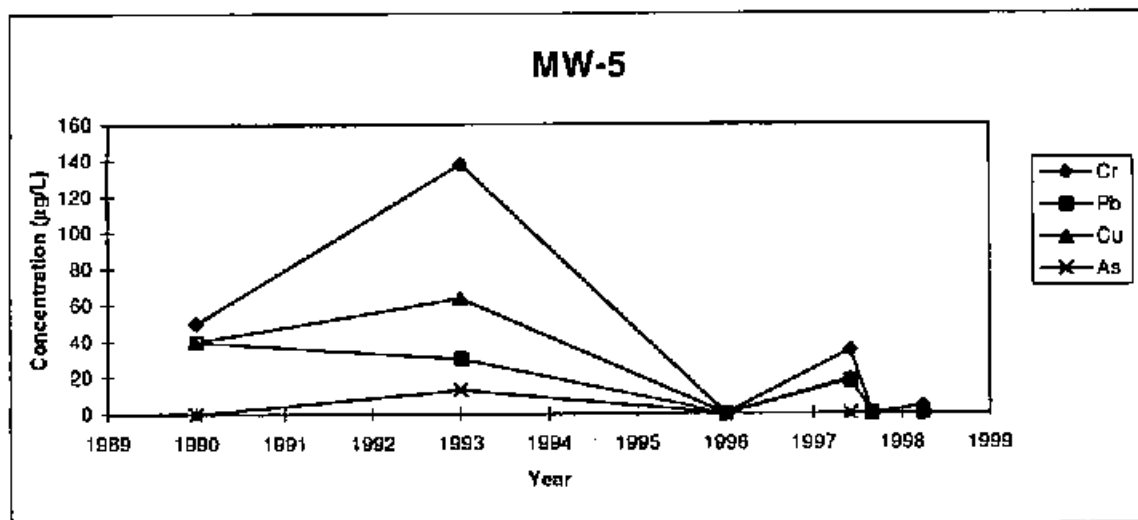


Figure 3.9 Temporal Trends in Metals Concentrations

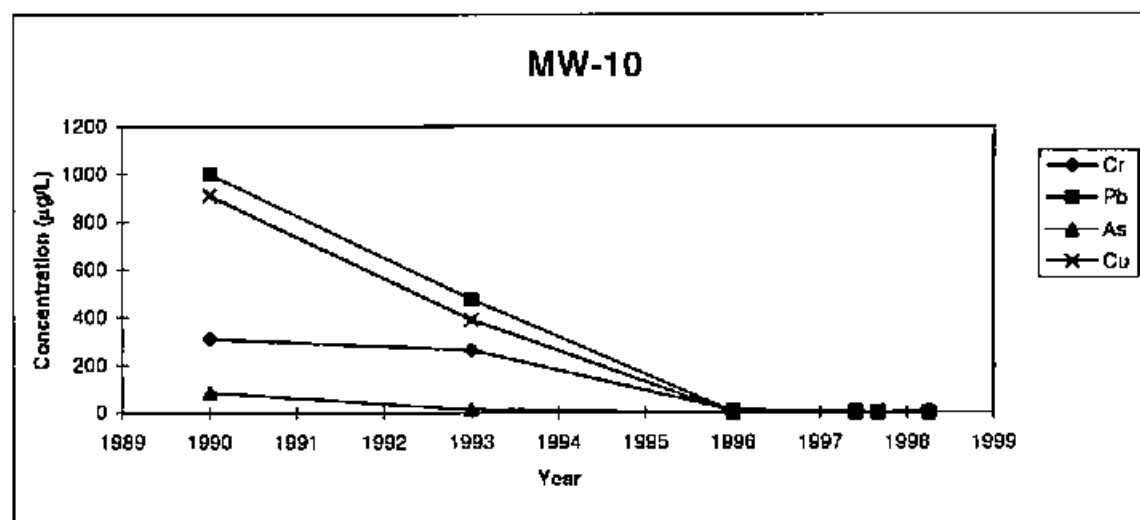
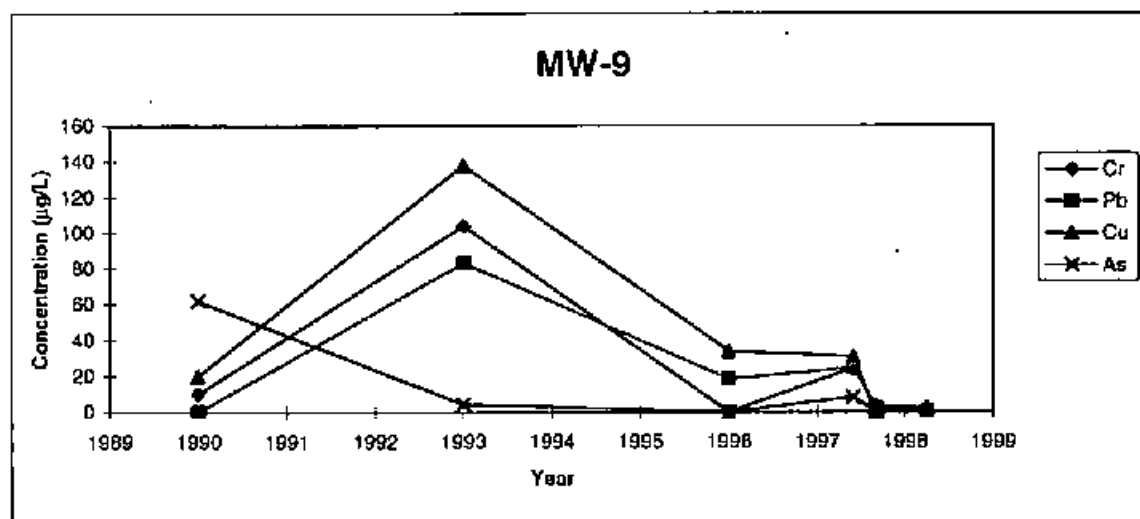
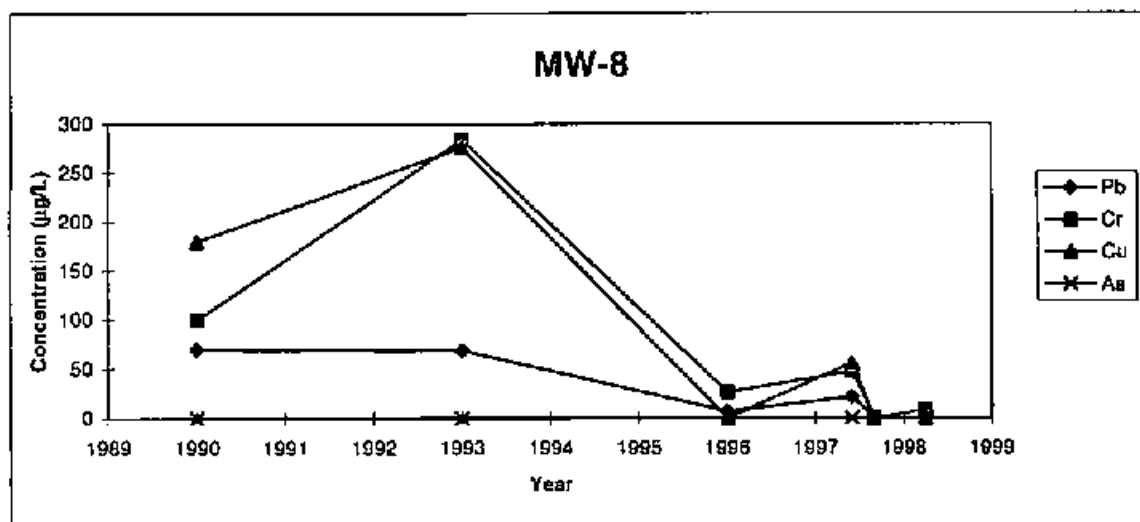


Figure 3.9 Temporal Trends in Metals Concentrations

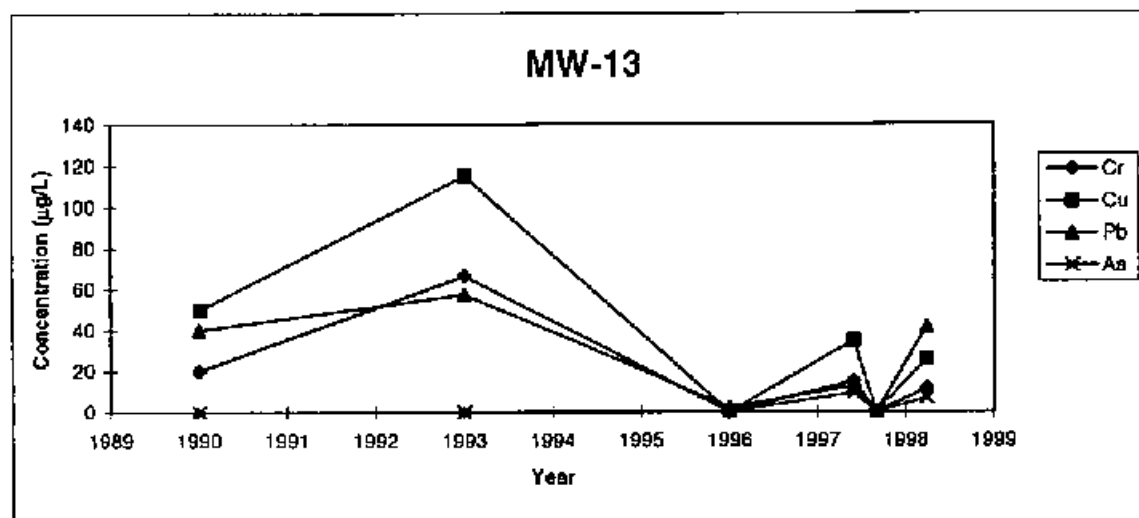
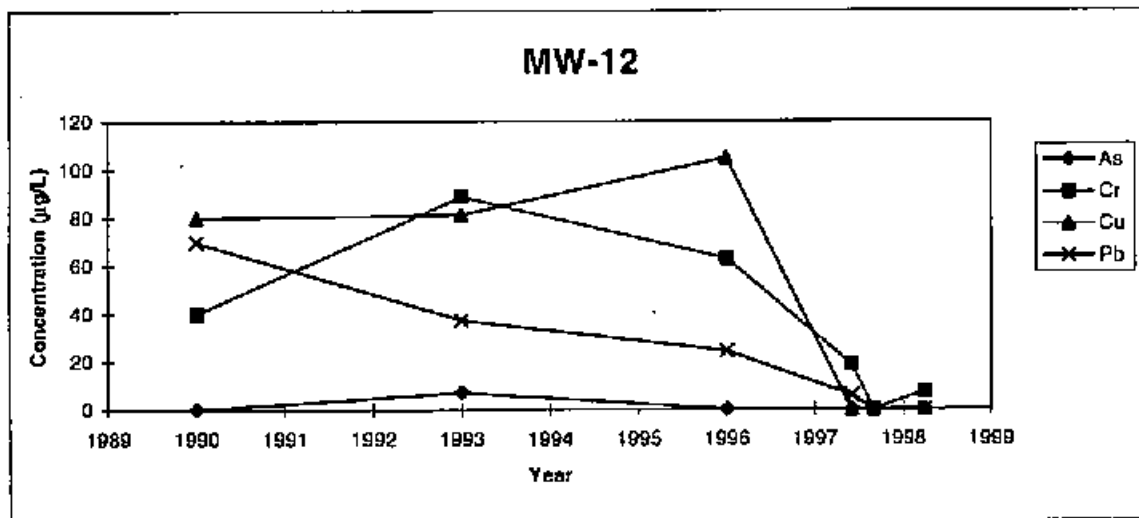
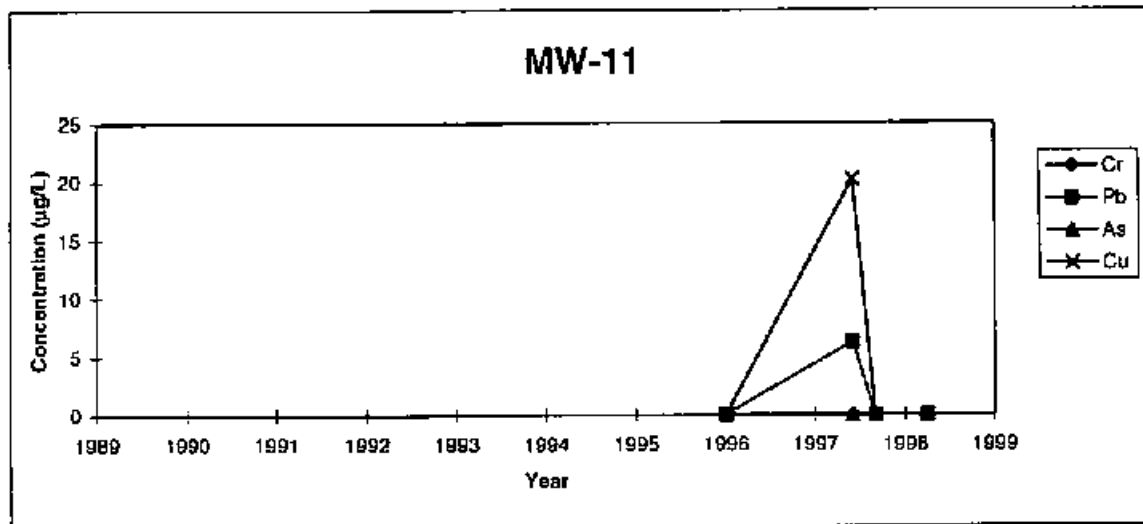


Figure 3.9 Temporal Trends in Metals Concentrations

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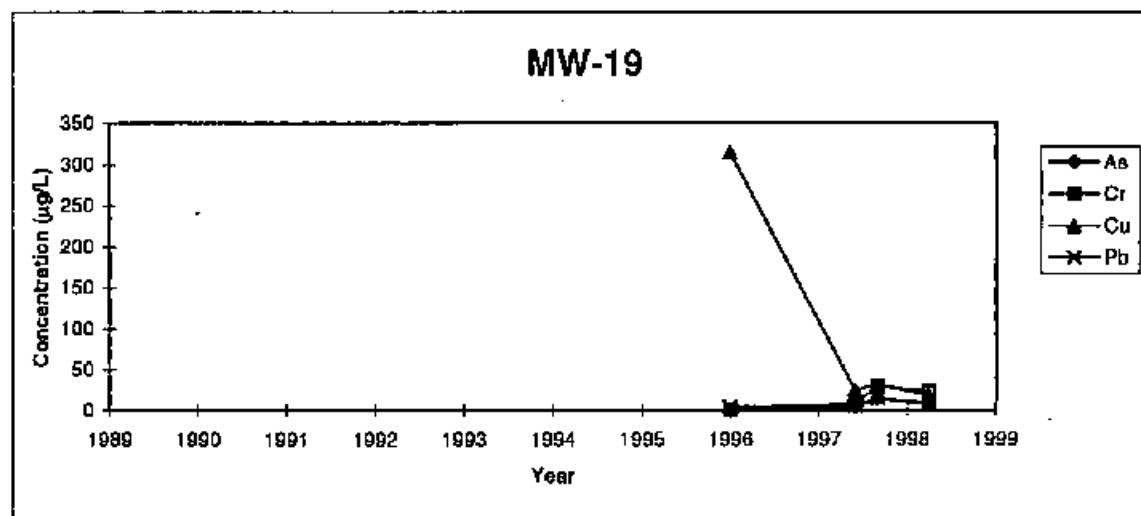
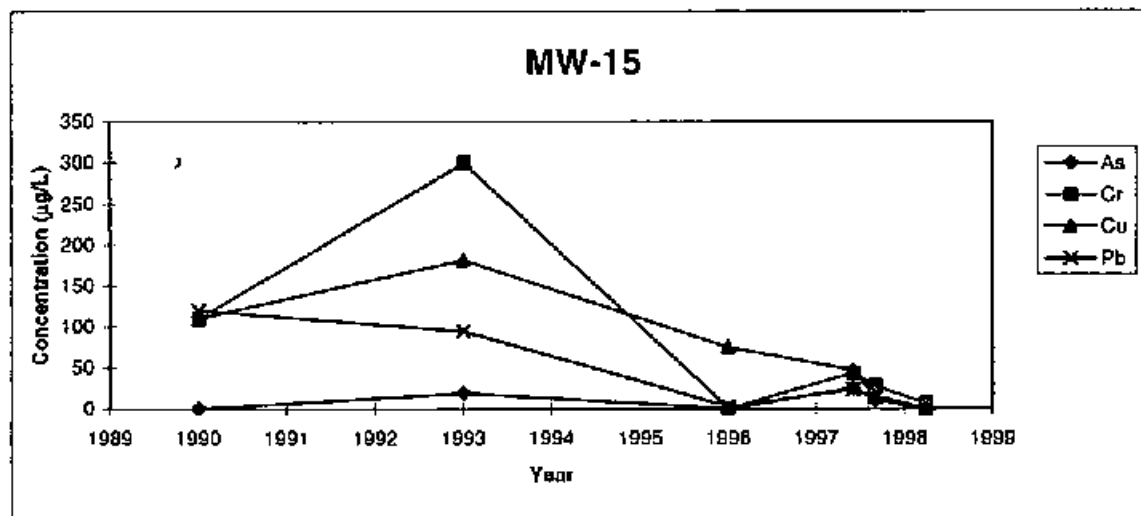
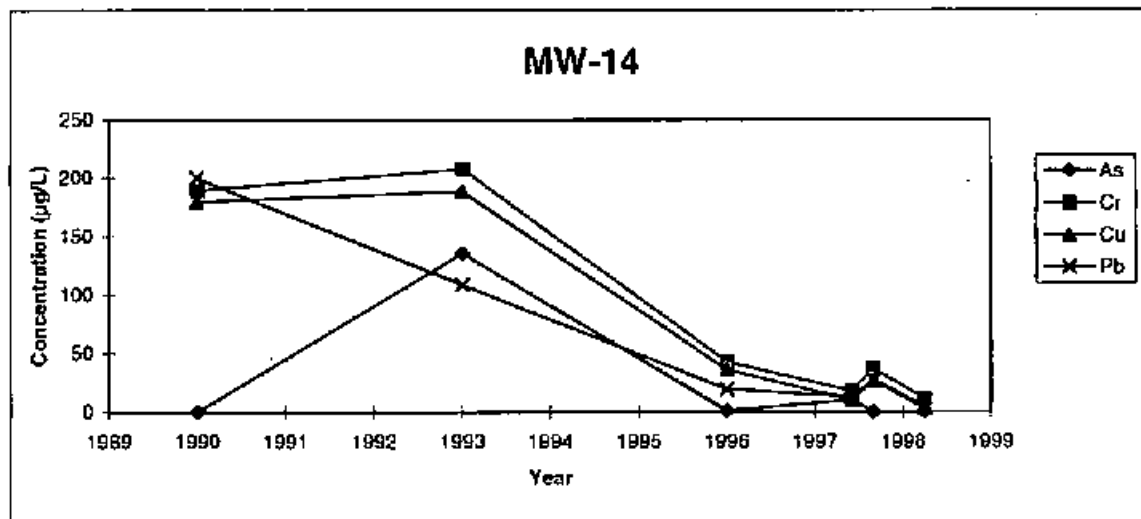
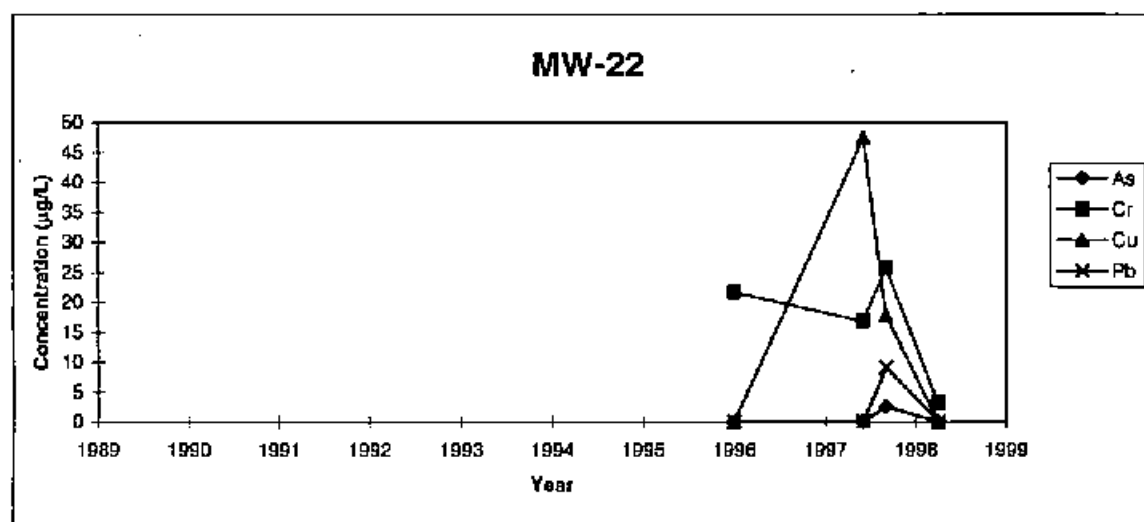
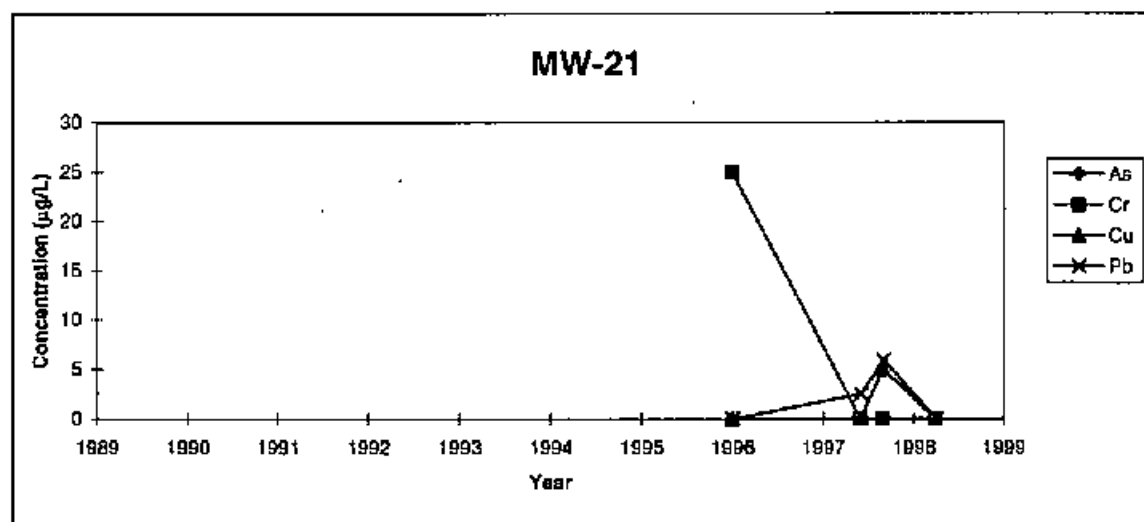
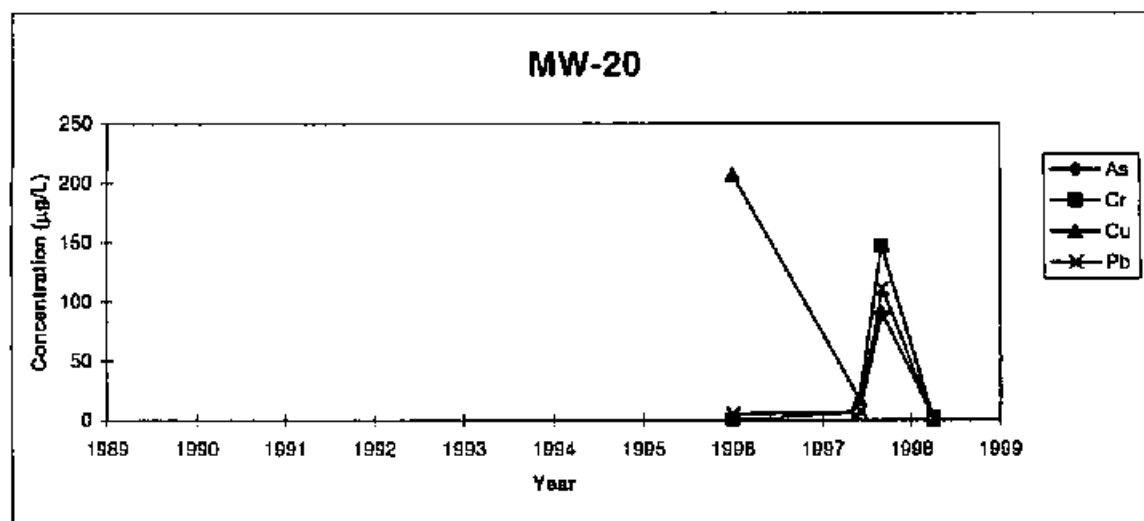


Figure 3.9 Temporal Trends in Metals Concentrations



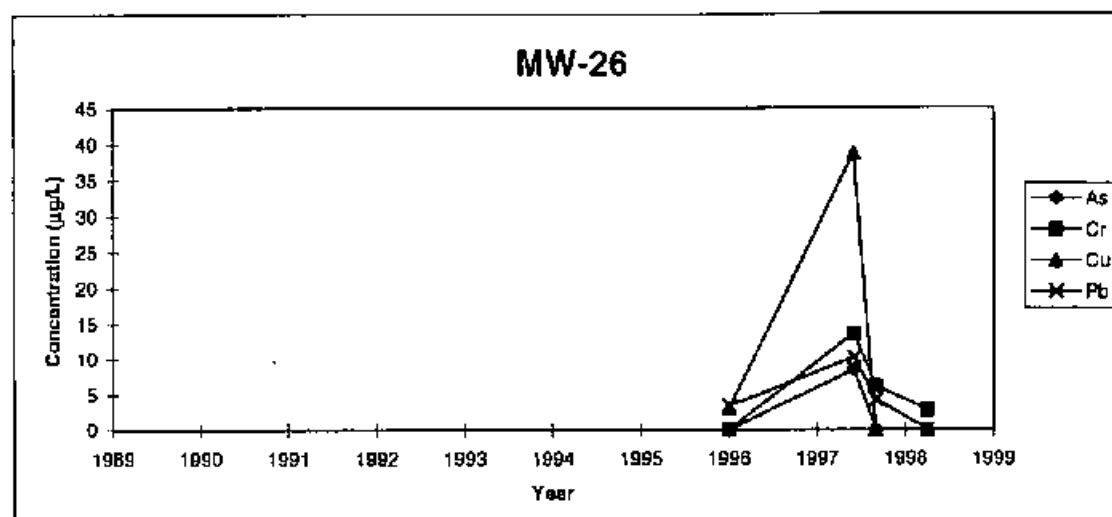
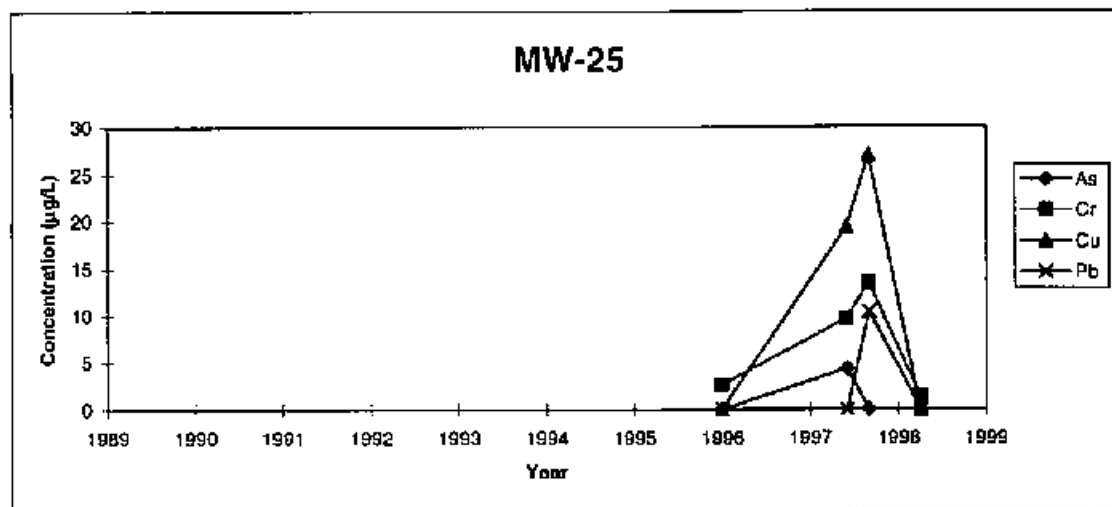
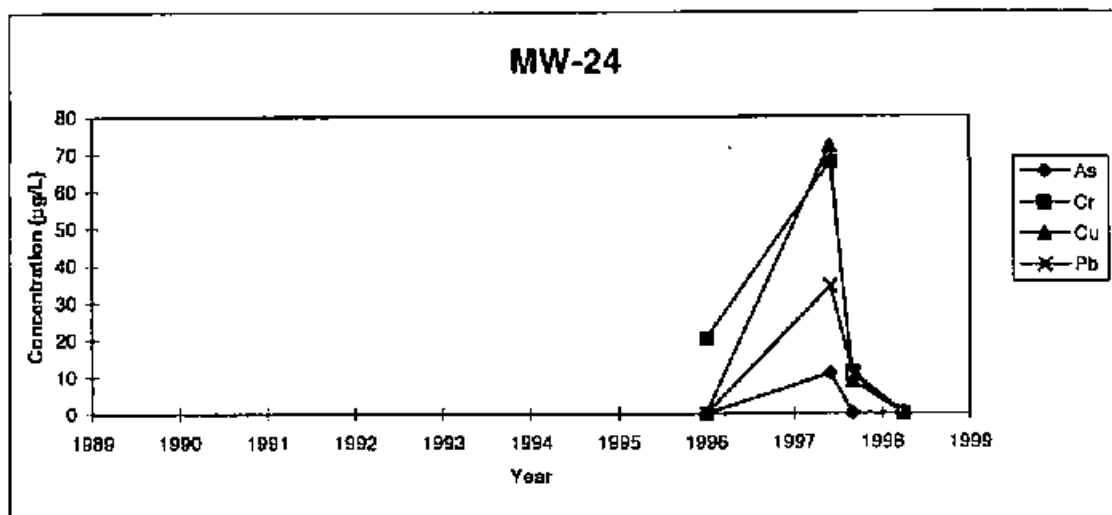
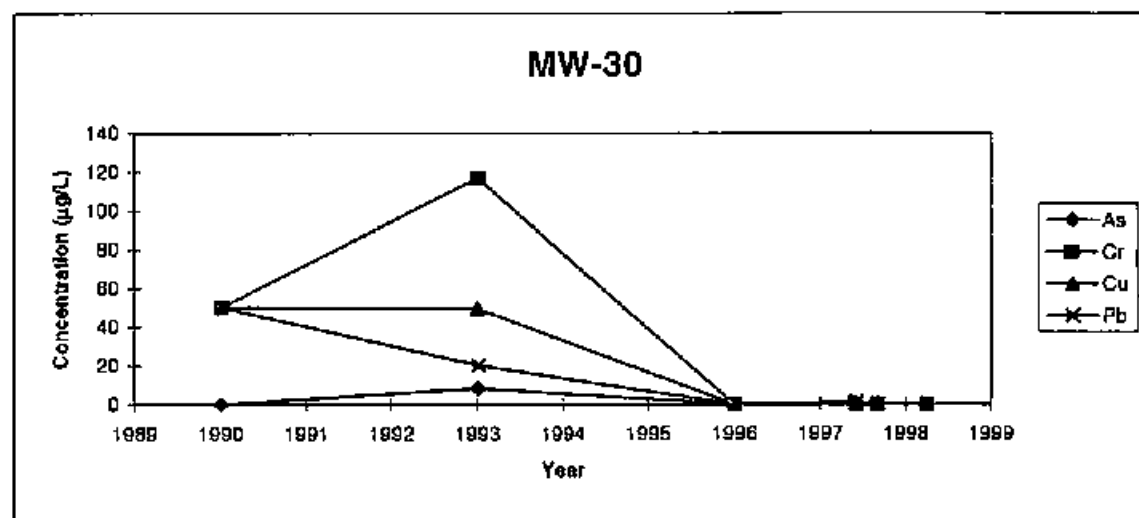
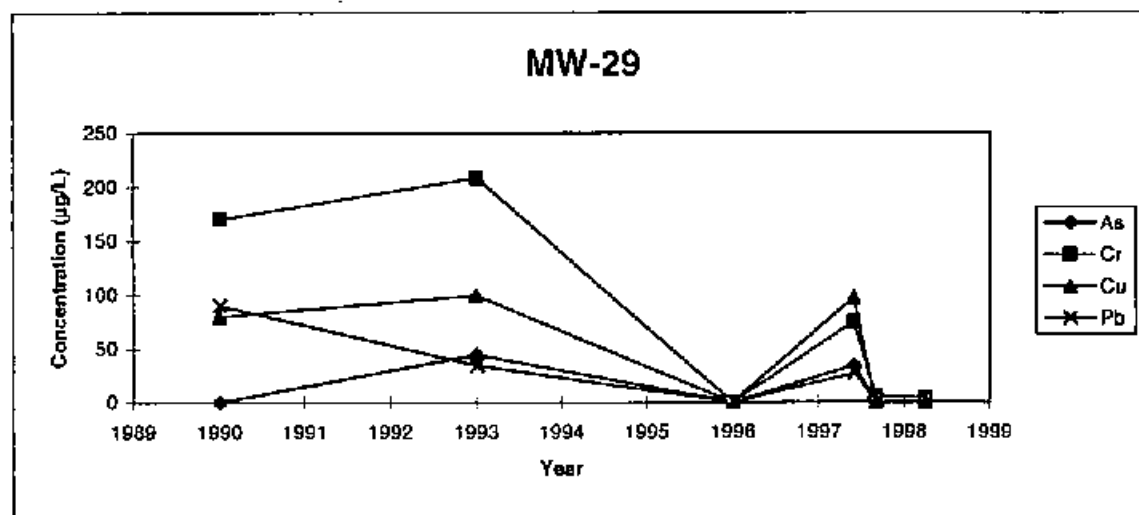
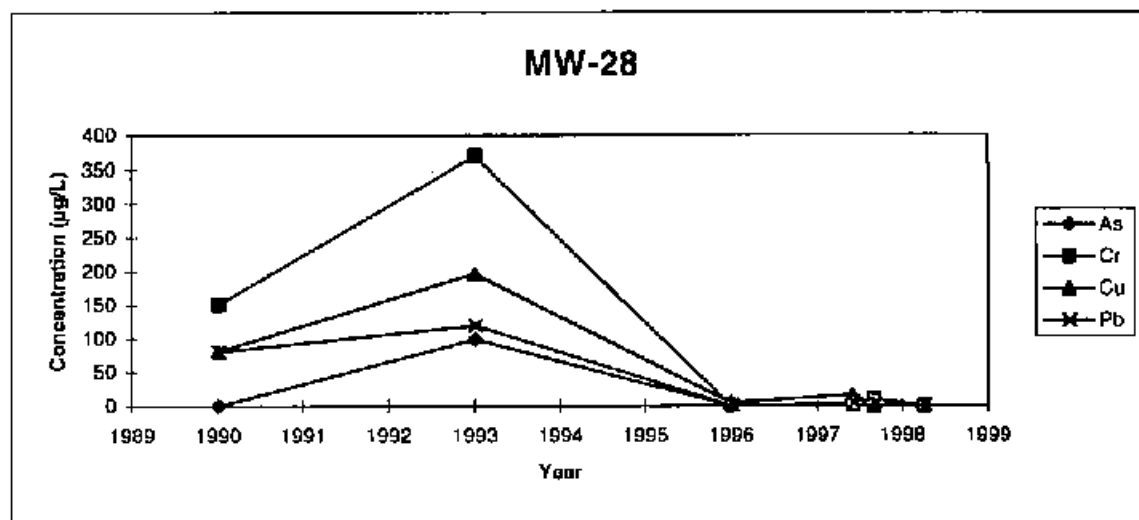


Figure 3.9 Temporal Trends in Metals Concentrations



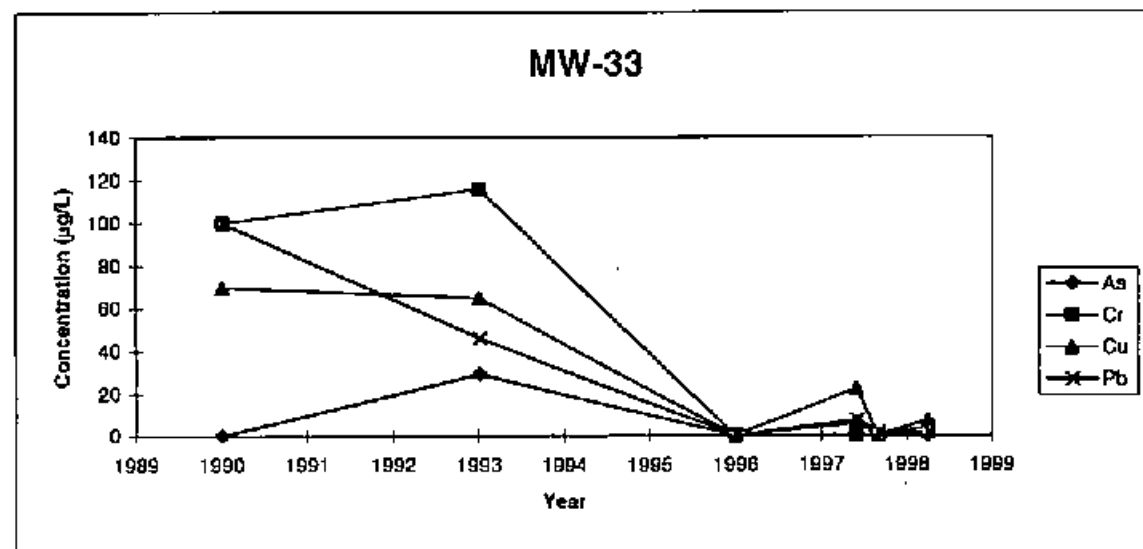
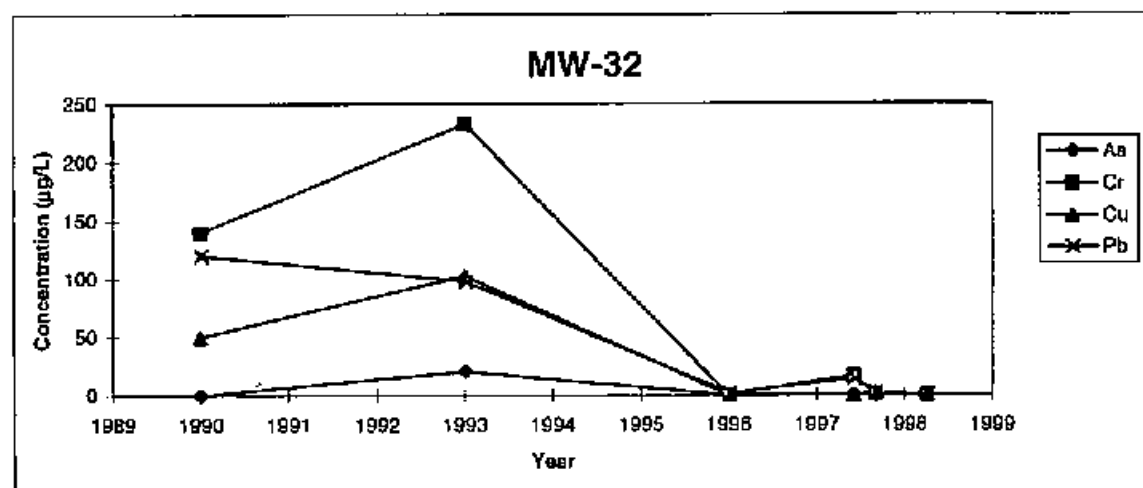
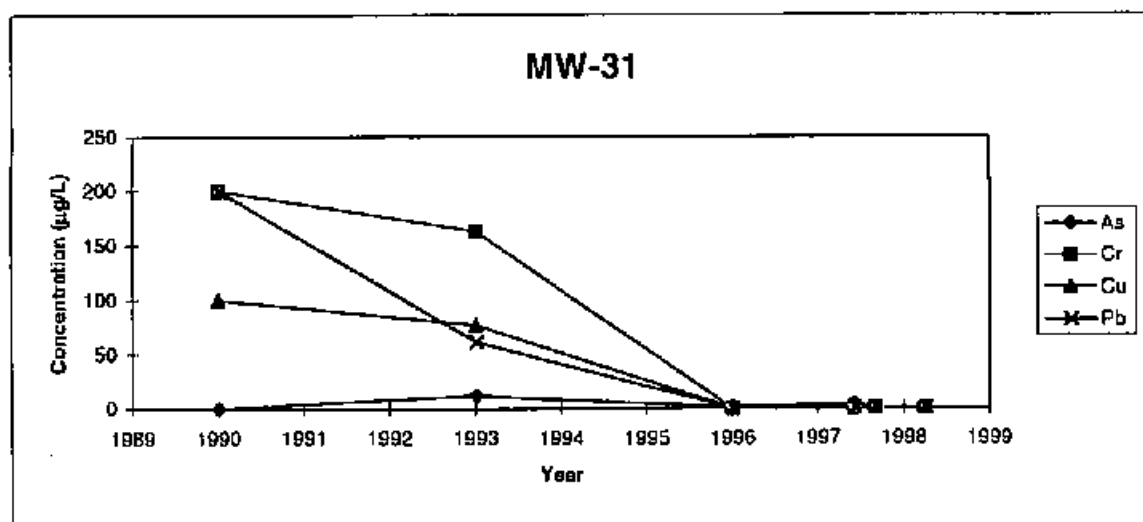


Figure 3.9 Temporal Trends in Metals Concentrations

291 73

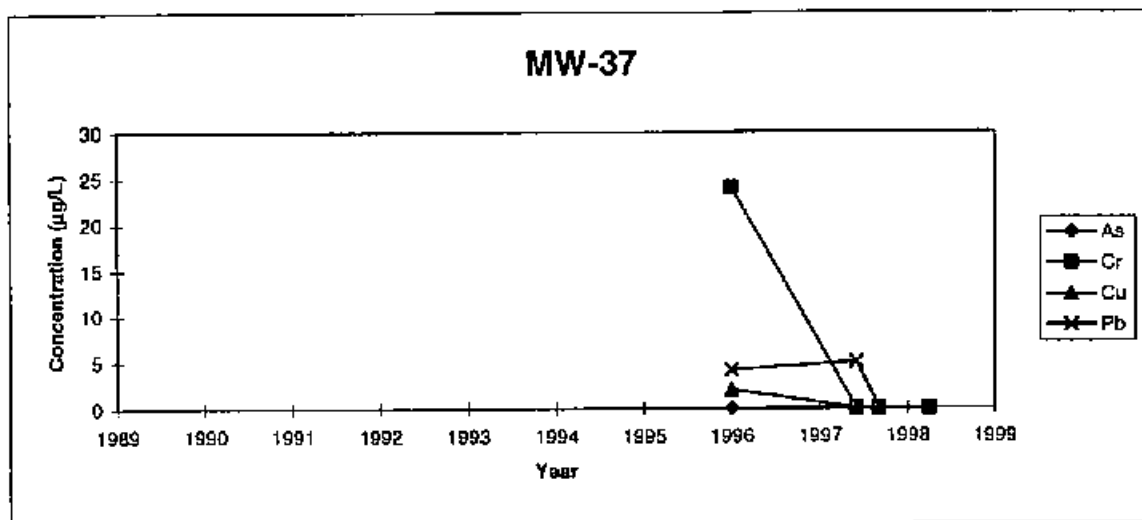
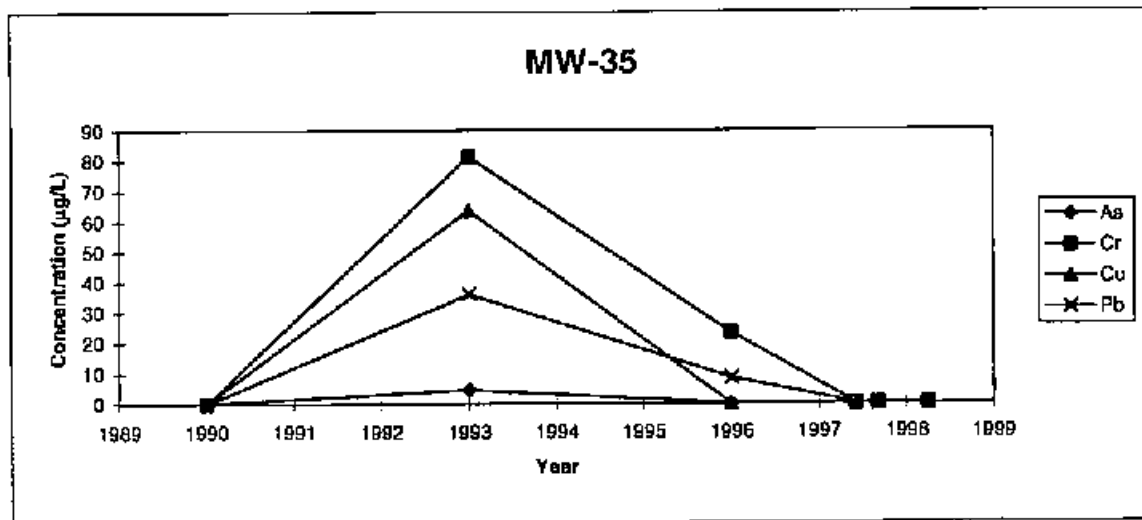
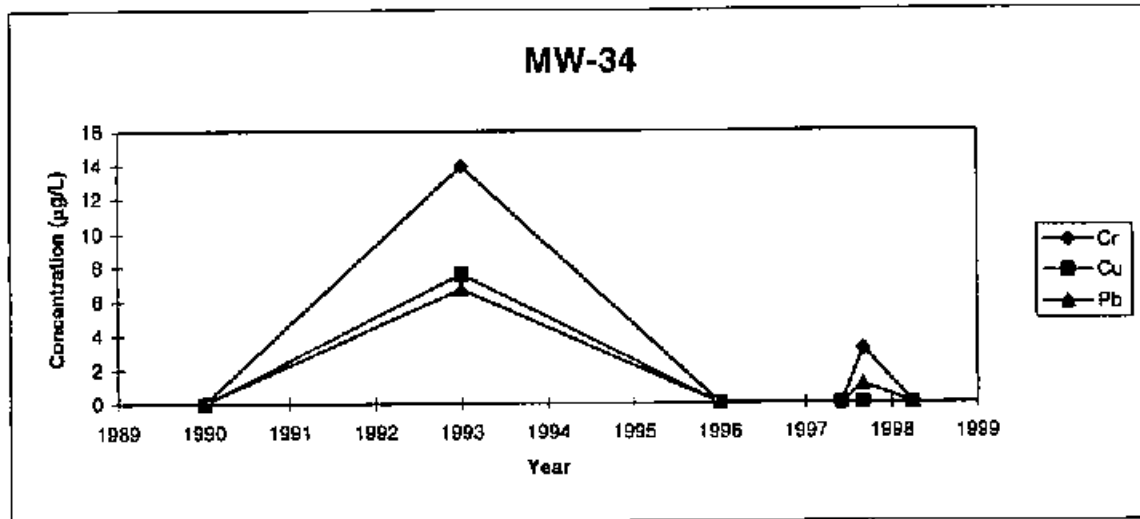


Figure 3.9 Temporal Trends in Metals Concentrations

291 74

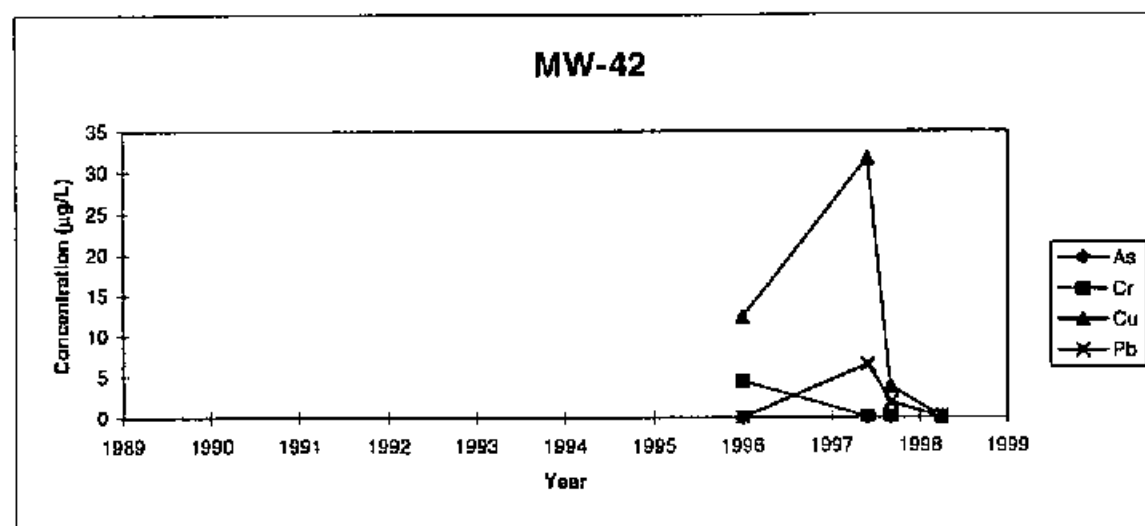
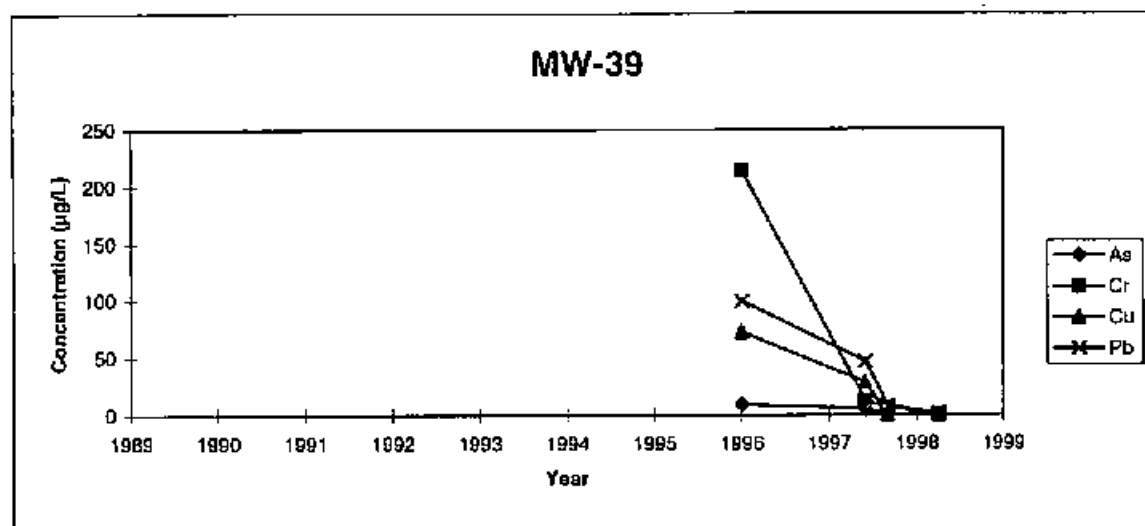
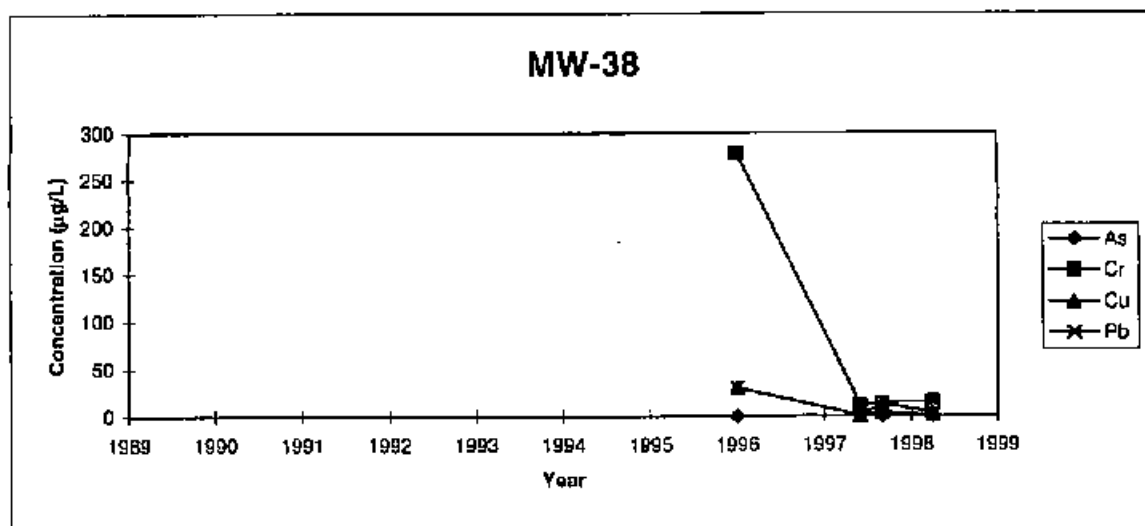
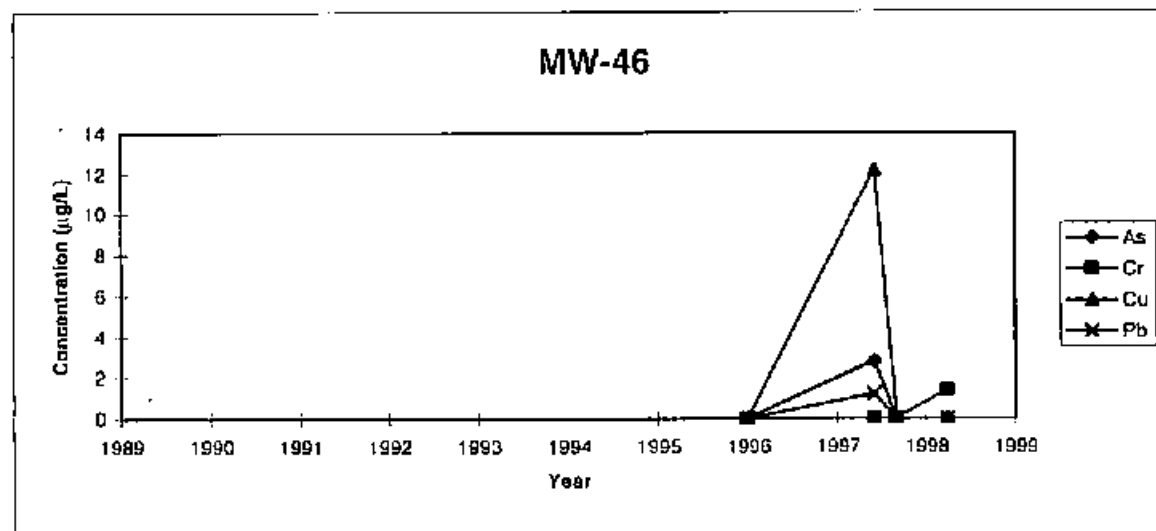
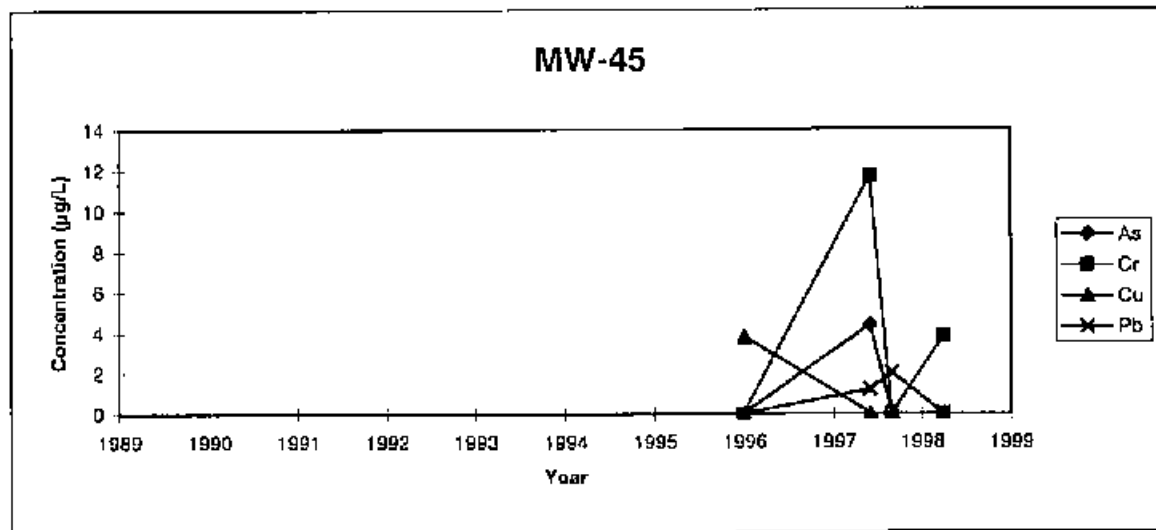
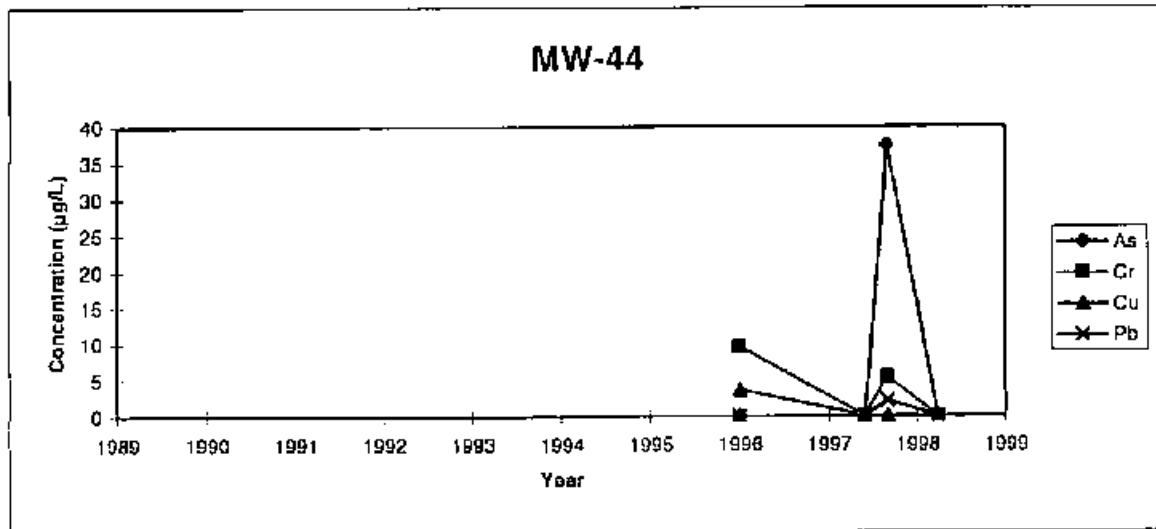


Figure 3.9 Temporal Trends in Metals Concentrations



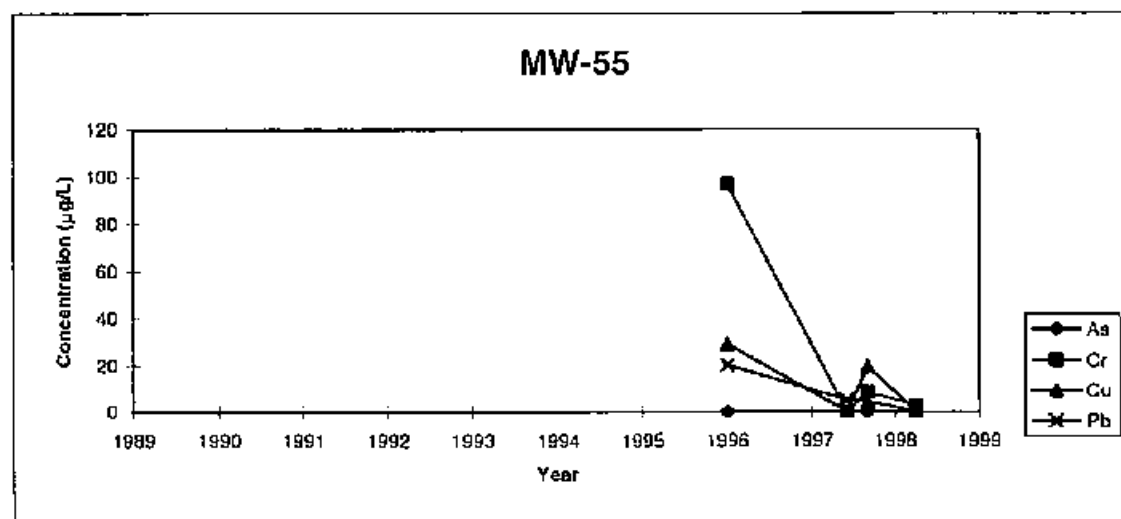
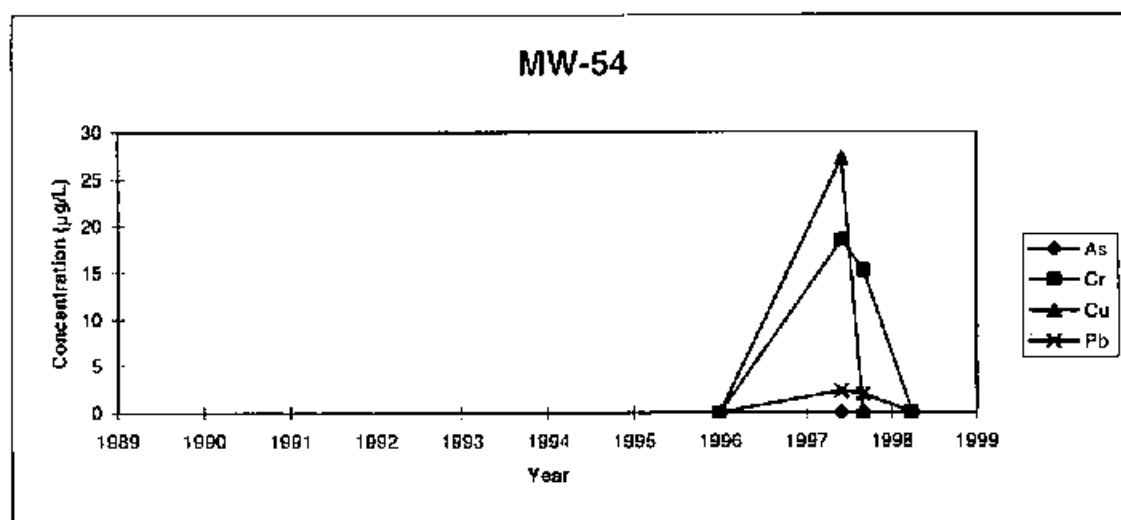
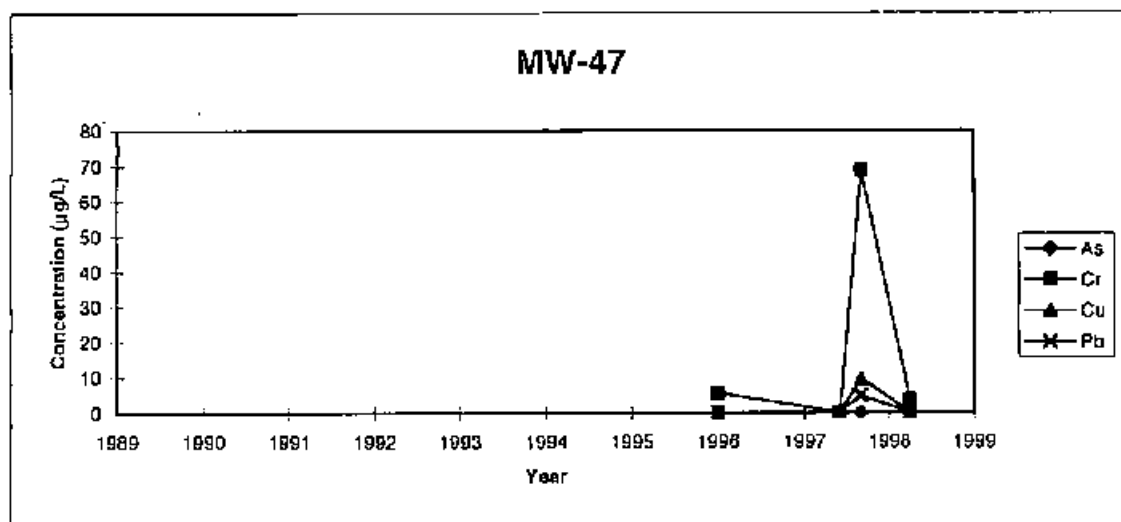




FIGURE 3-11
DISTRIBUTION OF COPPER IN
FLUVIAL AQUIFER WELLS - MARCH, 1998
Defense Distribution Depot Memphis, Tennessee



FIGURE 3-12 ©
DISTRIBUTION OF LEAD IN
FLUVIAL AQUIFER WELLS - MARCH, 1998
Delorse Distribution Depot Memphis, Tennessee



FIGURE 3-13
DISTRIBUTION OF NICKEL IN
FLUVIAL AQUIFER WELLS - MARCH, 1998
Defense Distribution Depot Memphis, Tennessee



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

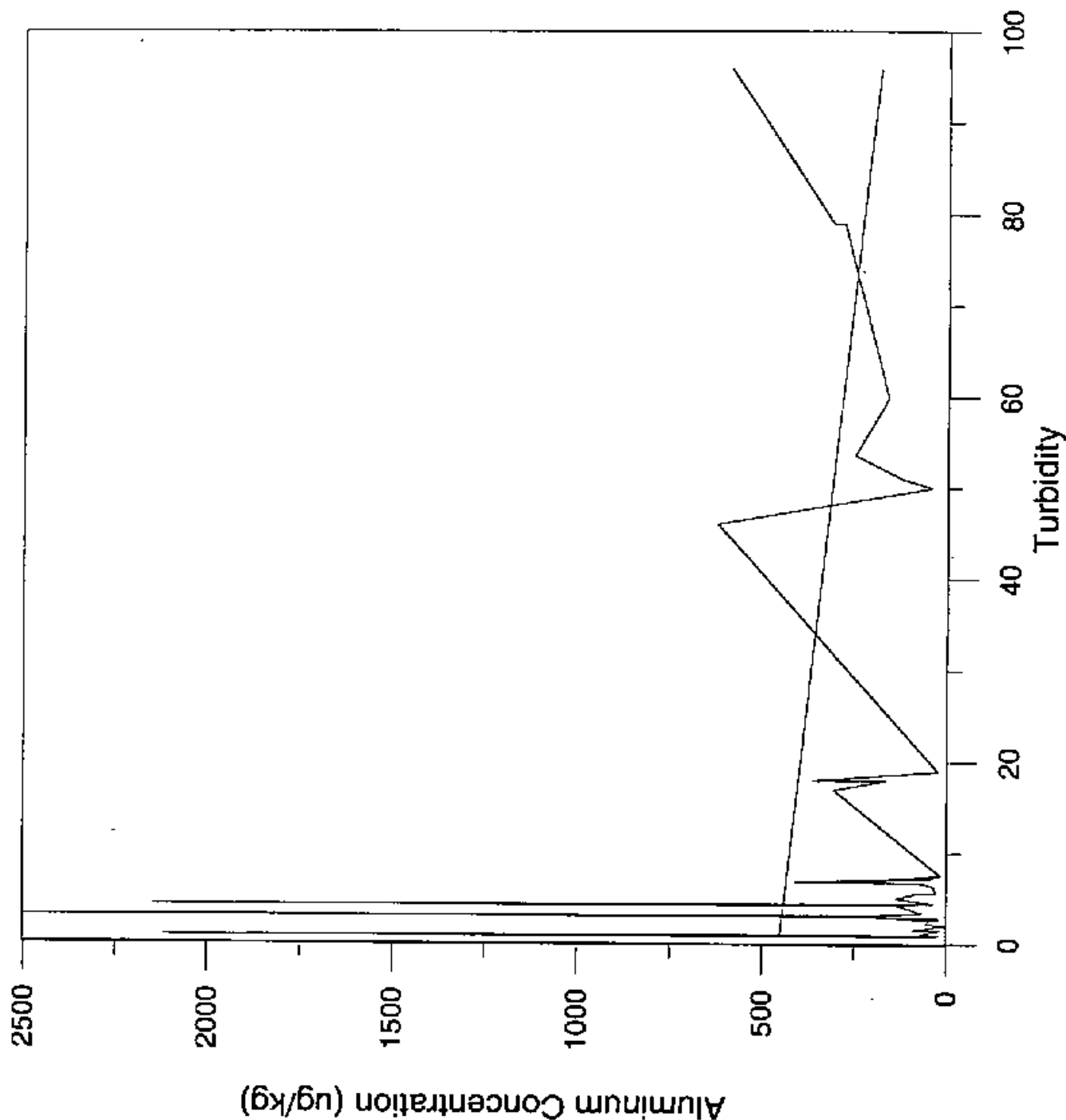


Figure 3-14B
Antimony Concentration vs. Turbidity
March 1998 Sampling Event
Defense Distribution Depot-Memphis, Tennessee

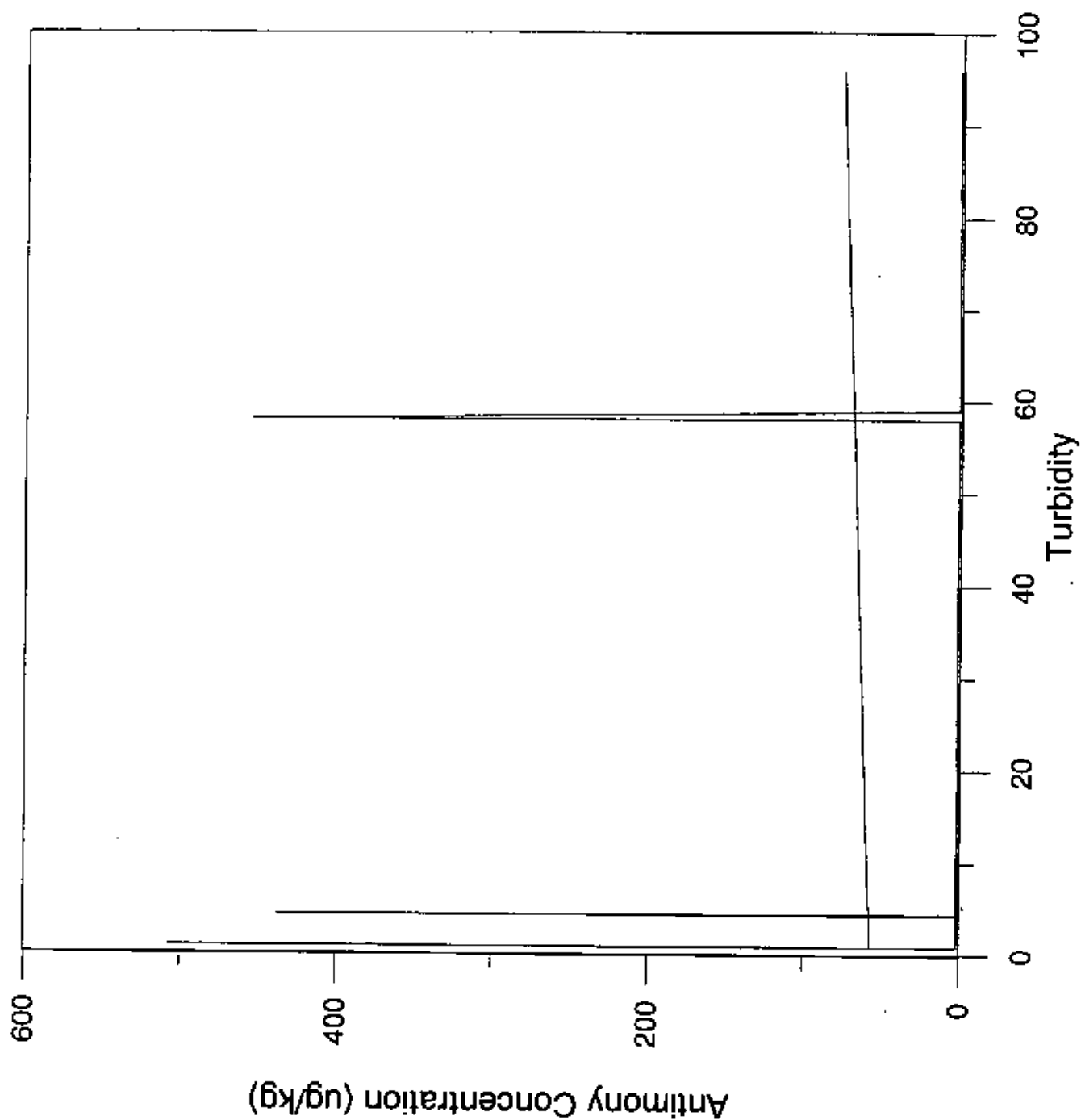
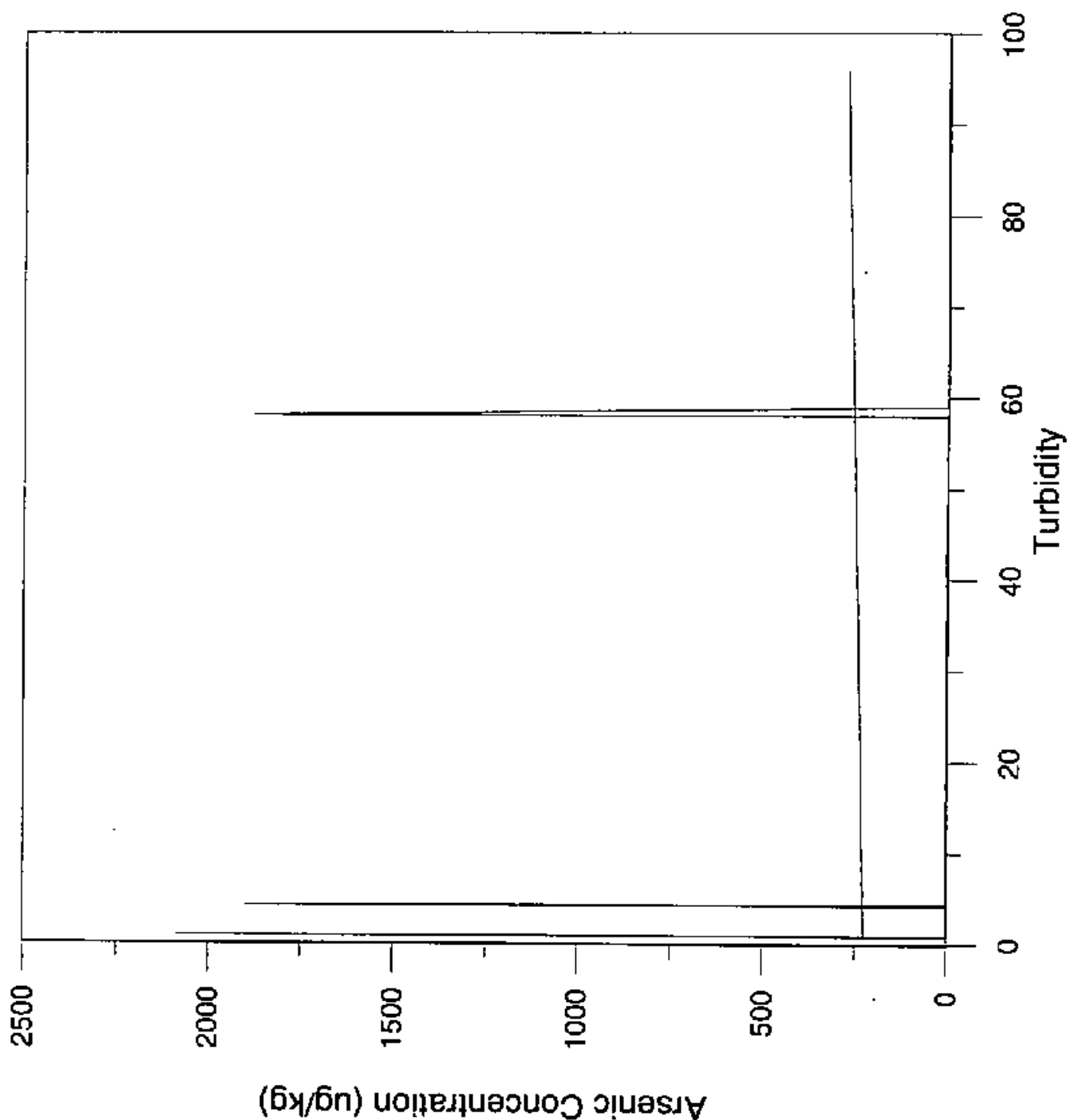


Figure 3-14C
Arsenic Concentration vs. Turbidity
March 1998 Sampling Event
Defense Distribution Depot-Memphis, Tennessee



Best Fit Line:

$$Y = 0.53 \cdot X + 225$$

Figure 3-14D

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

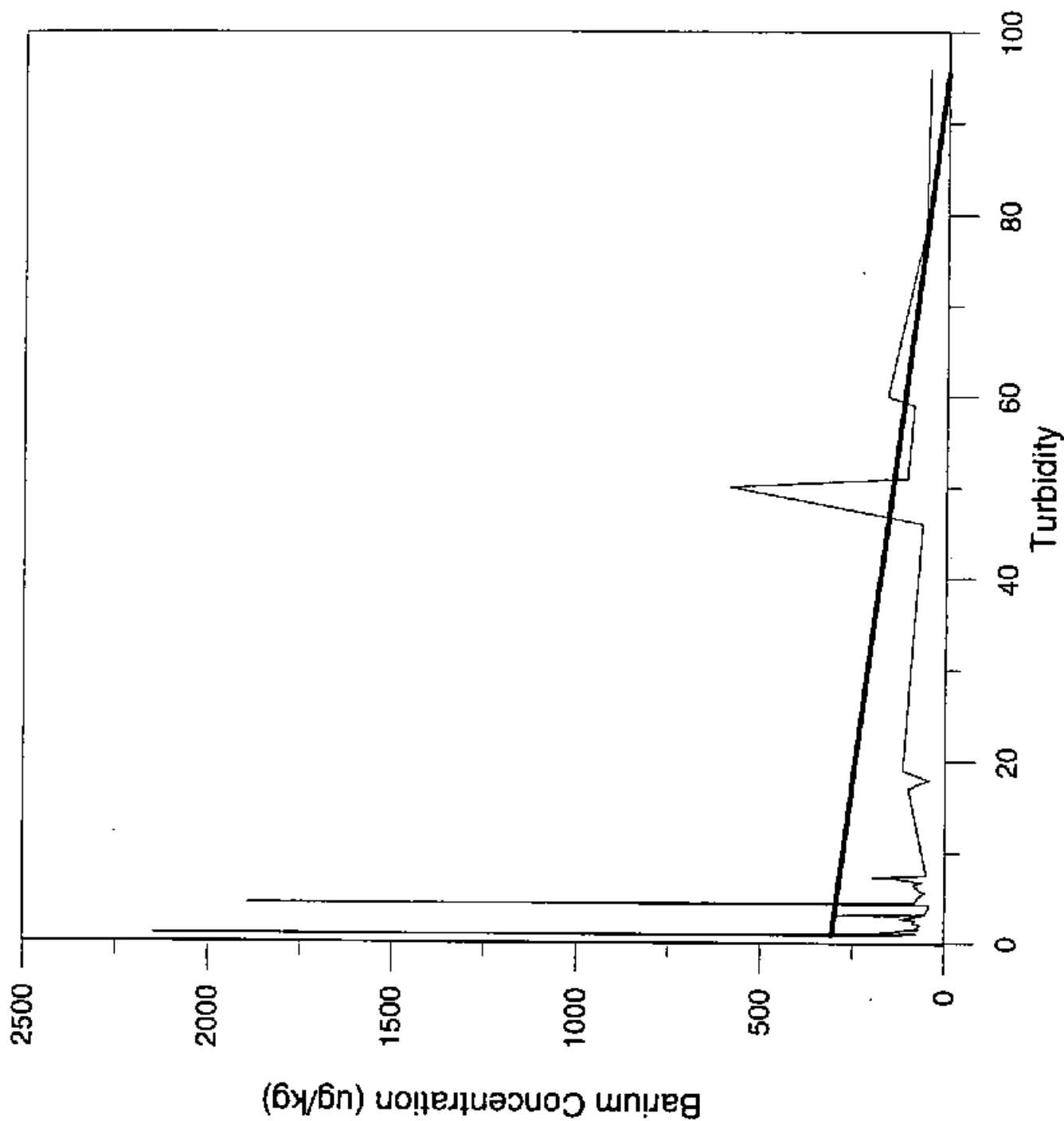


Figure 3-14E

Beryllium Concentration vs. Turbidity
March 1998 Sampling Event
Defense Distribution Depot-Memphis, Tennessee

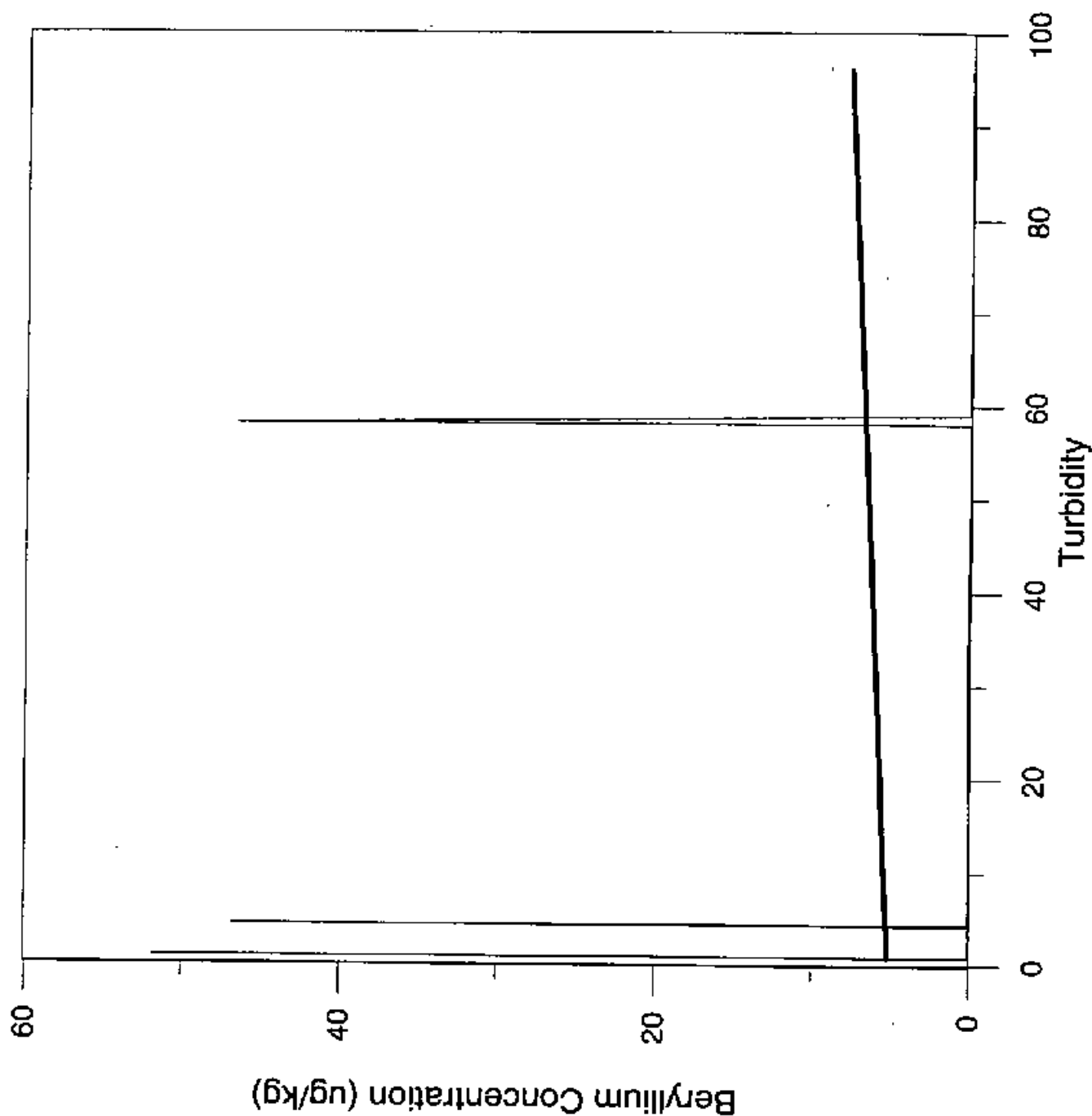


Figure 3-14G
Calcium Concentration vs. Turbidity
March 1998 Sampling Event
Defense Distribution Depot-Memphis, Tennessee

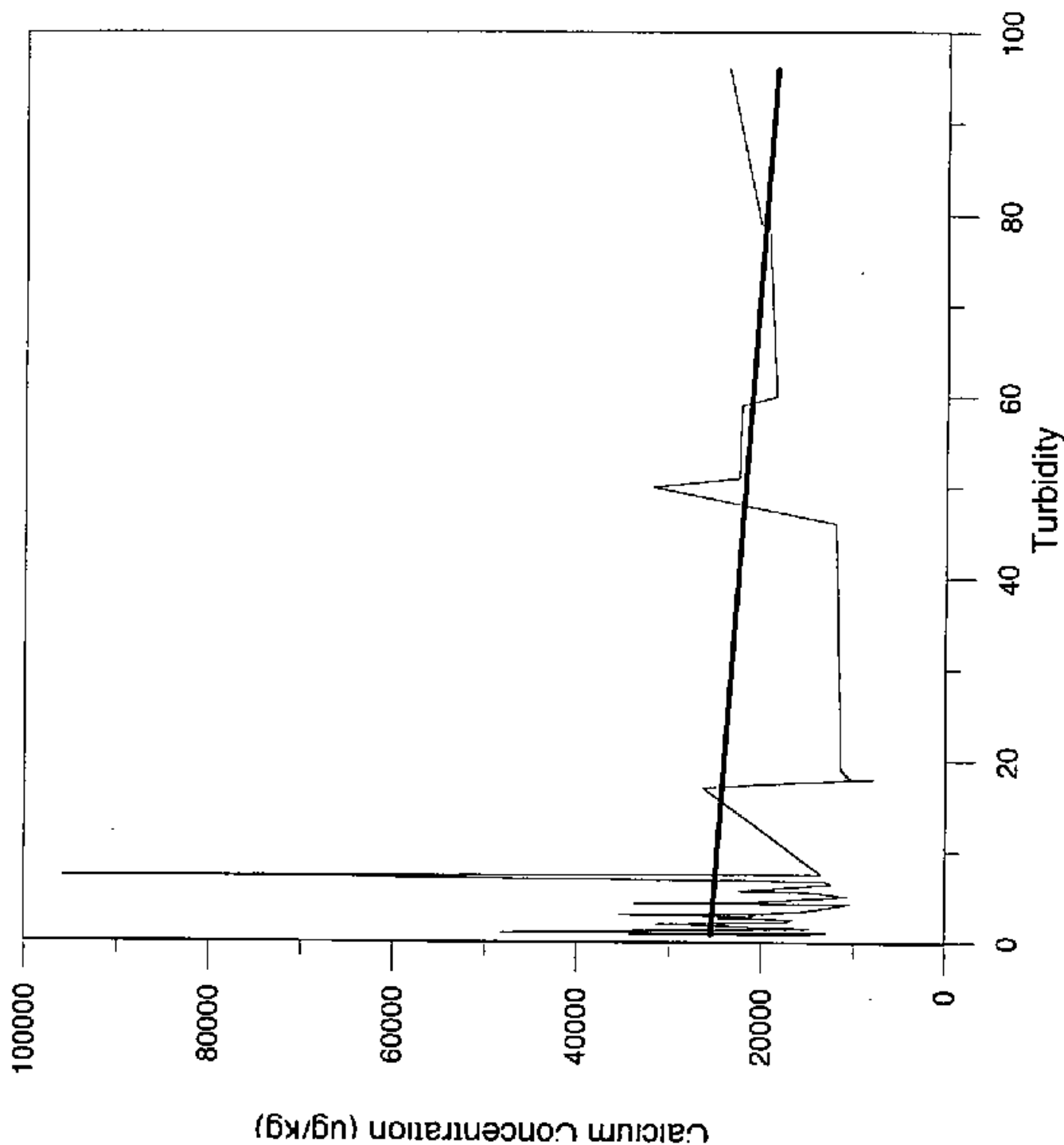
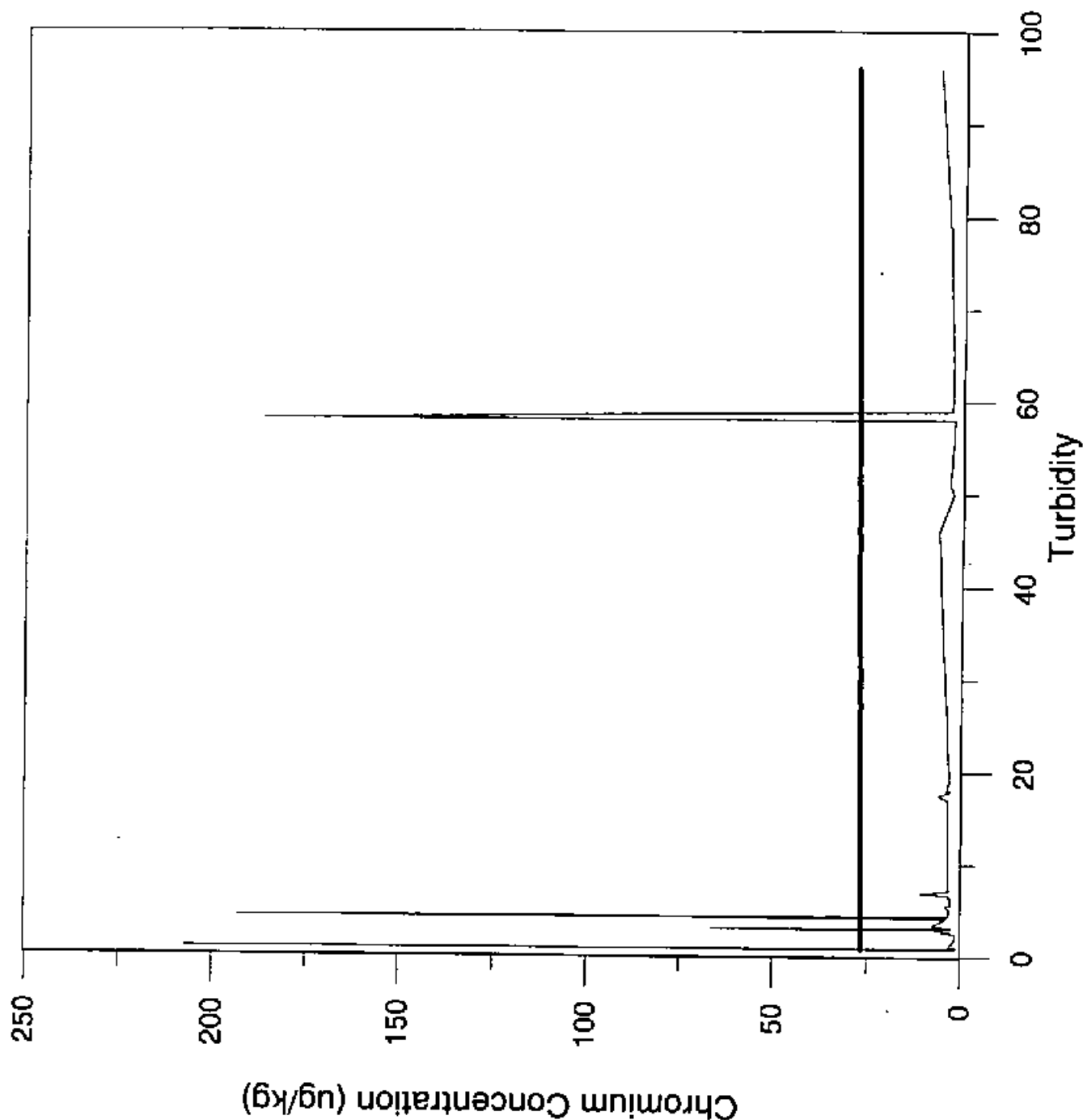
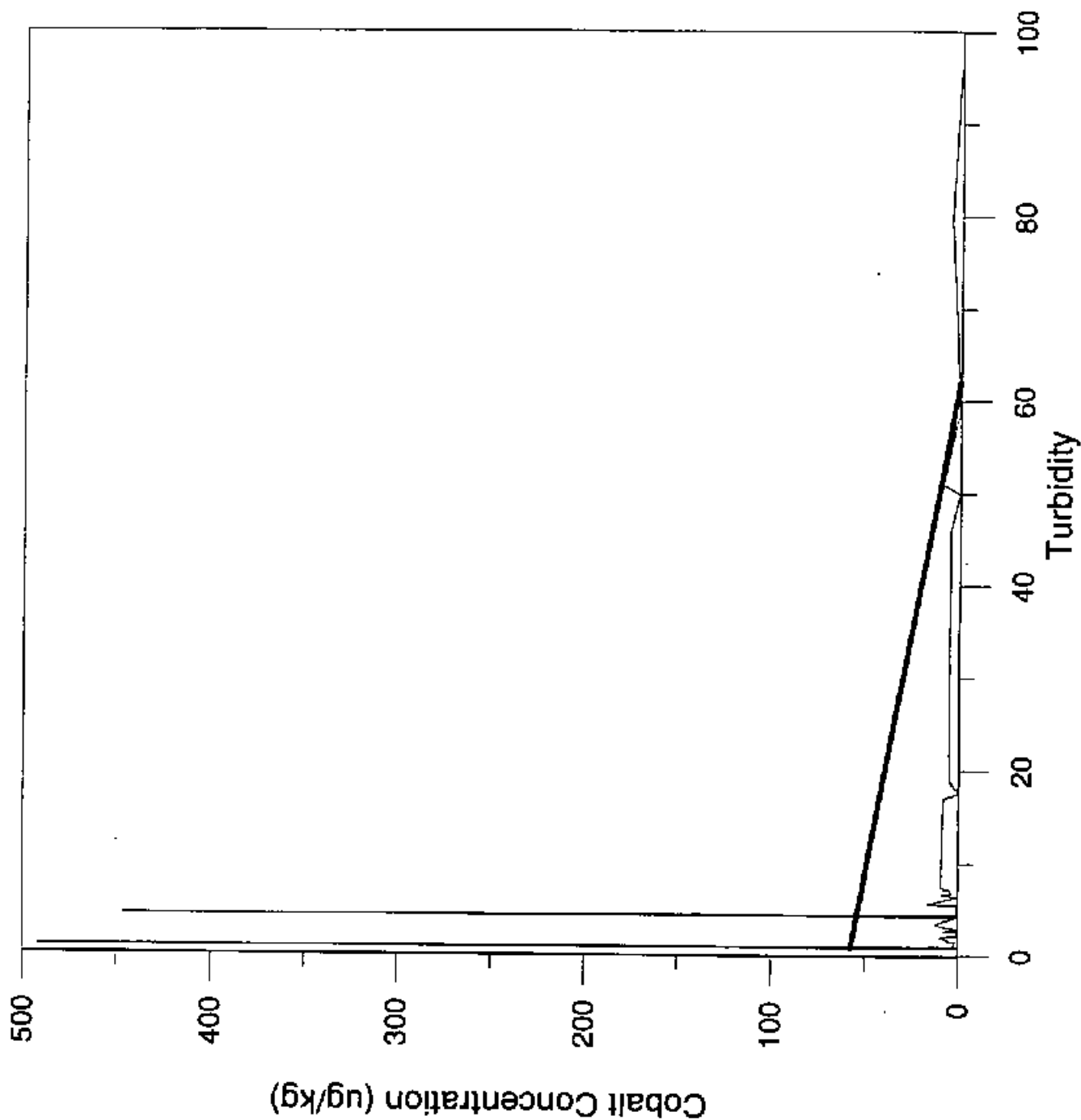


Figure 3-14H
Chromium Concentration vs. Turbidity
March 1998 Sampling Event
Defense Distribution Depot-Memphis, Tennessee



Best Fit Line:
 $Y = 0.023 * X + 26.3$

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



Best Fit Line:

$$Y = -0.929 \cdot X + 58.0$$

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

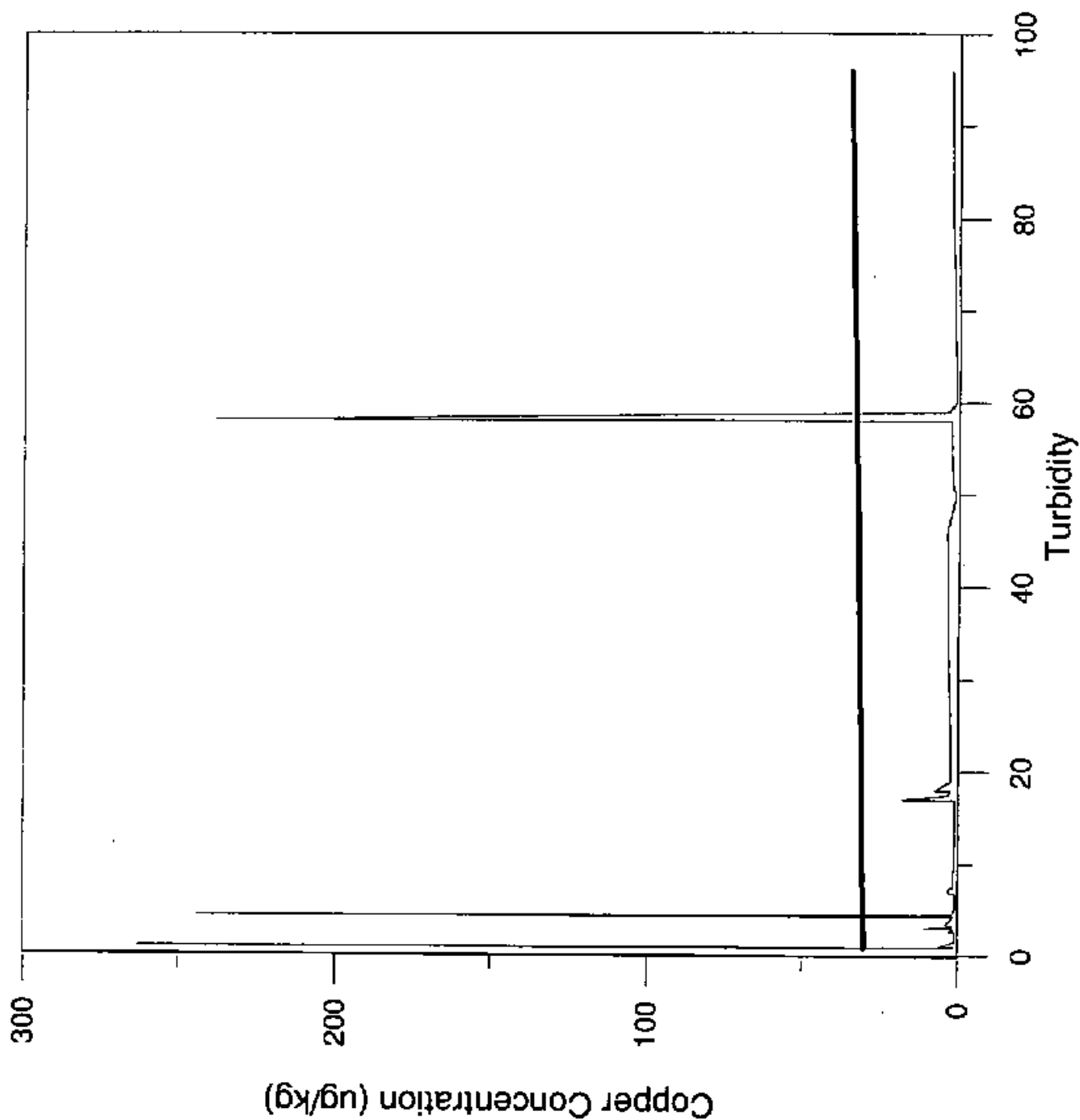
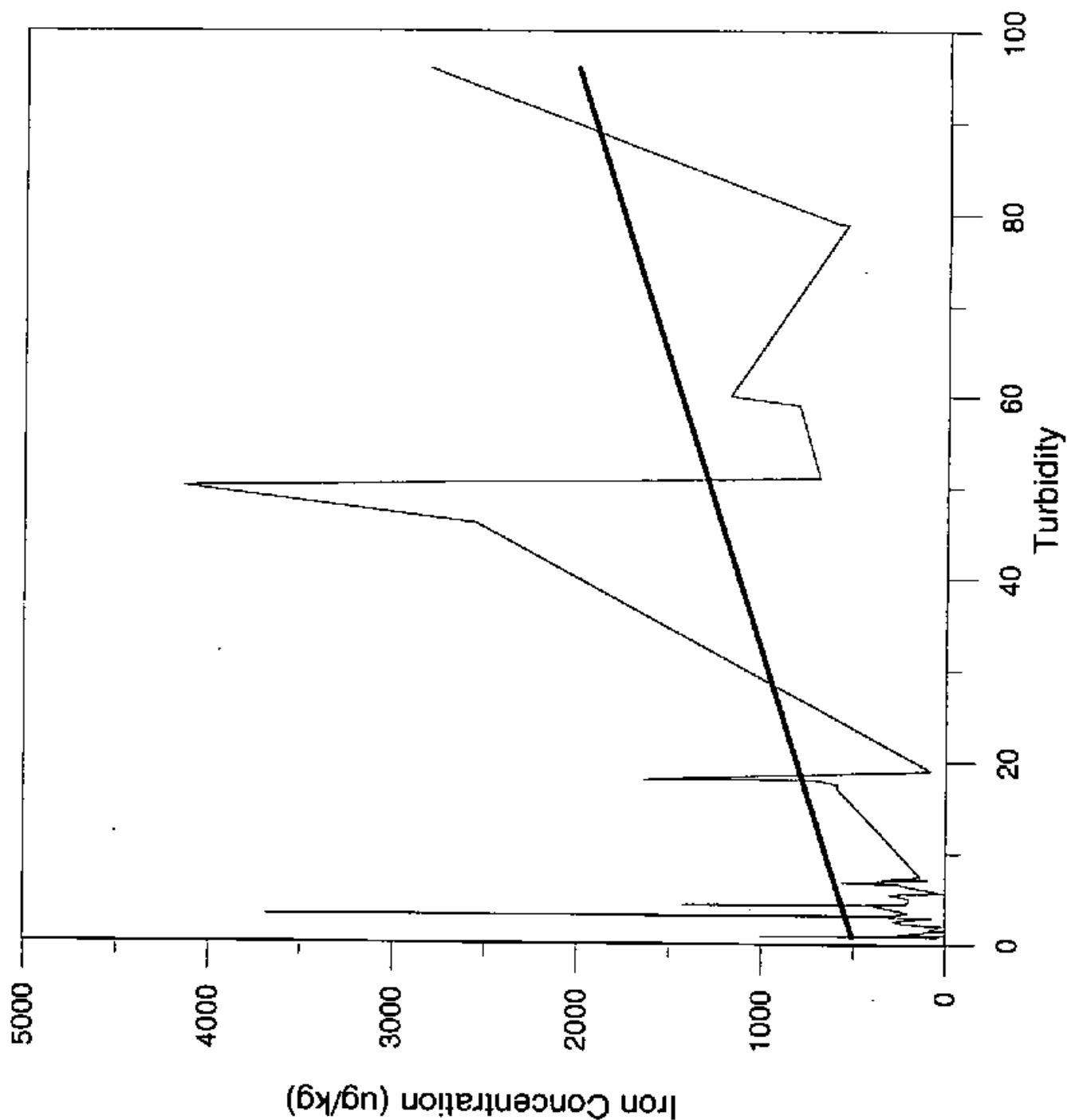


Figure 3-14K
Iron Concentration vs. Turbidity
March 1998 Sampling Event
Defense Distribution Depot-Memphis, Tennessee



Best Fit Line:
 $Y = 15.8 * X + 496$

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

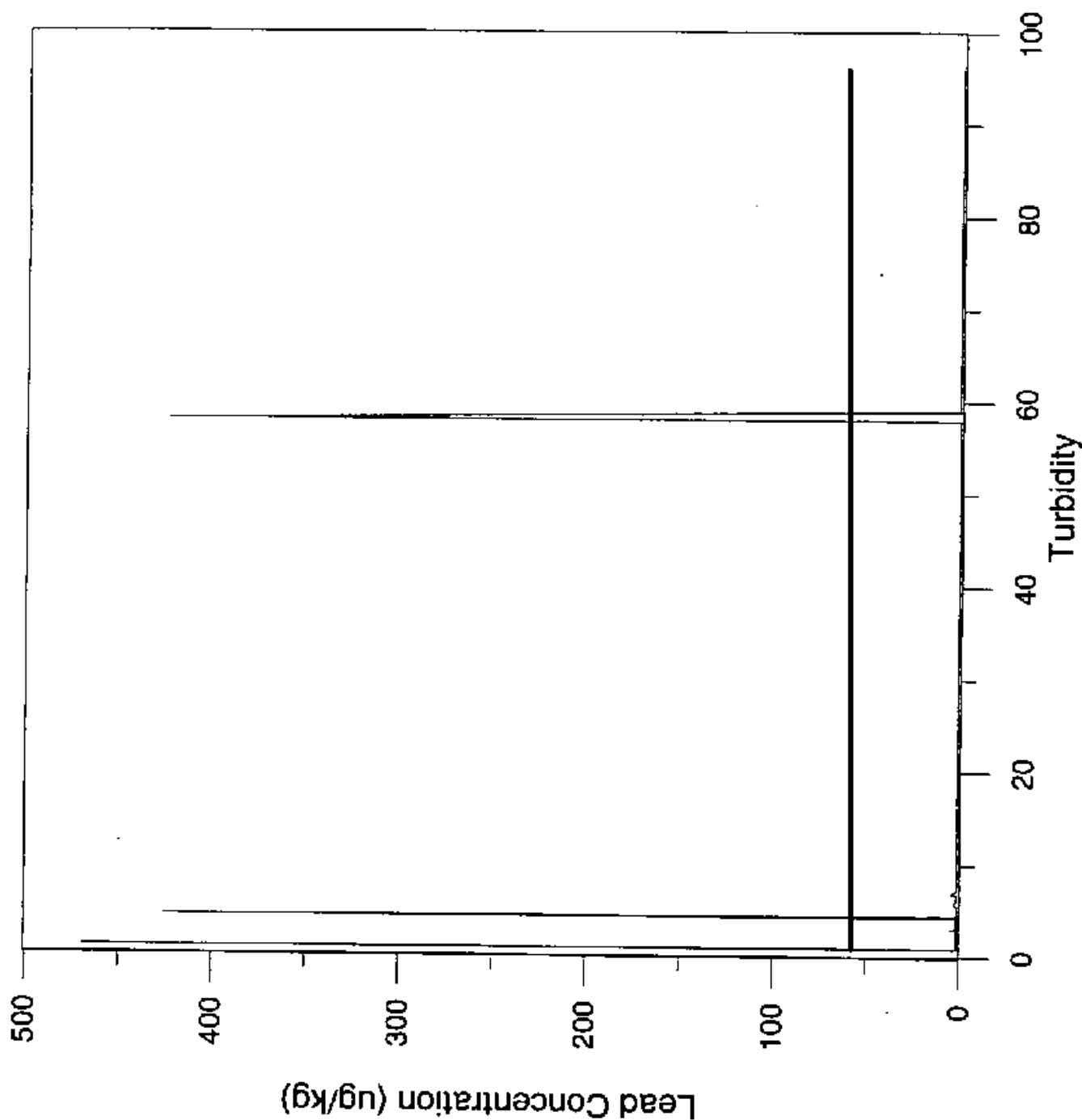


Figure 3-14M
Magnesium Concentration vs. Turbidity
March 1998 Sampling Event
Defense Distribution Depot-Memphis, Tennessee

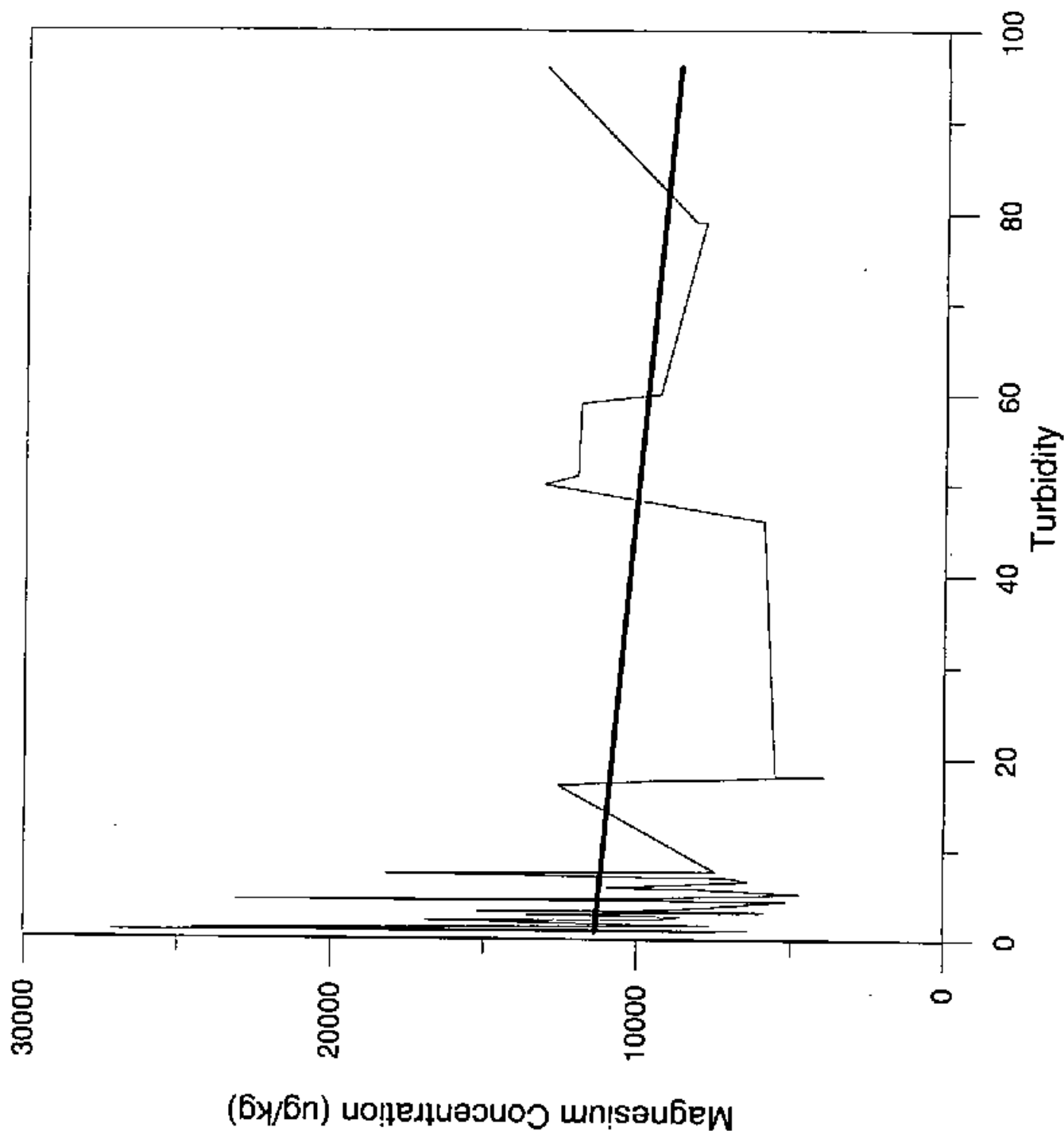


Figure 3-14N
Manganese Concentration vs. Turbidity
March 1998 Sampling Event
Defense Distribution Depot-Memphis, Tennessee

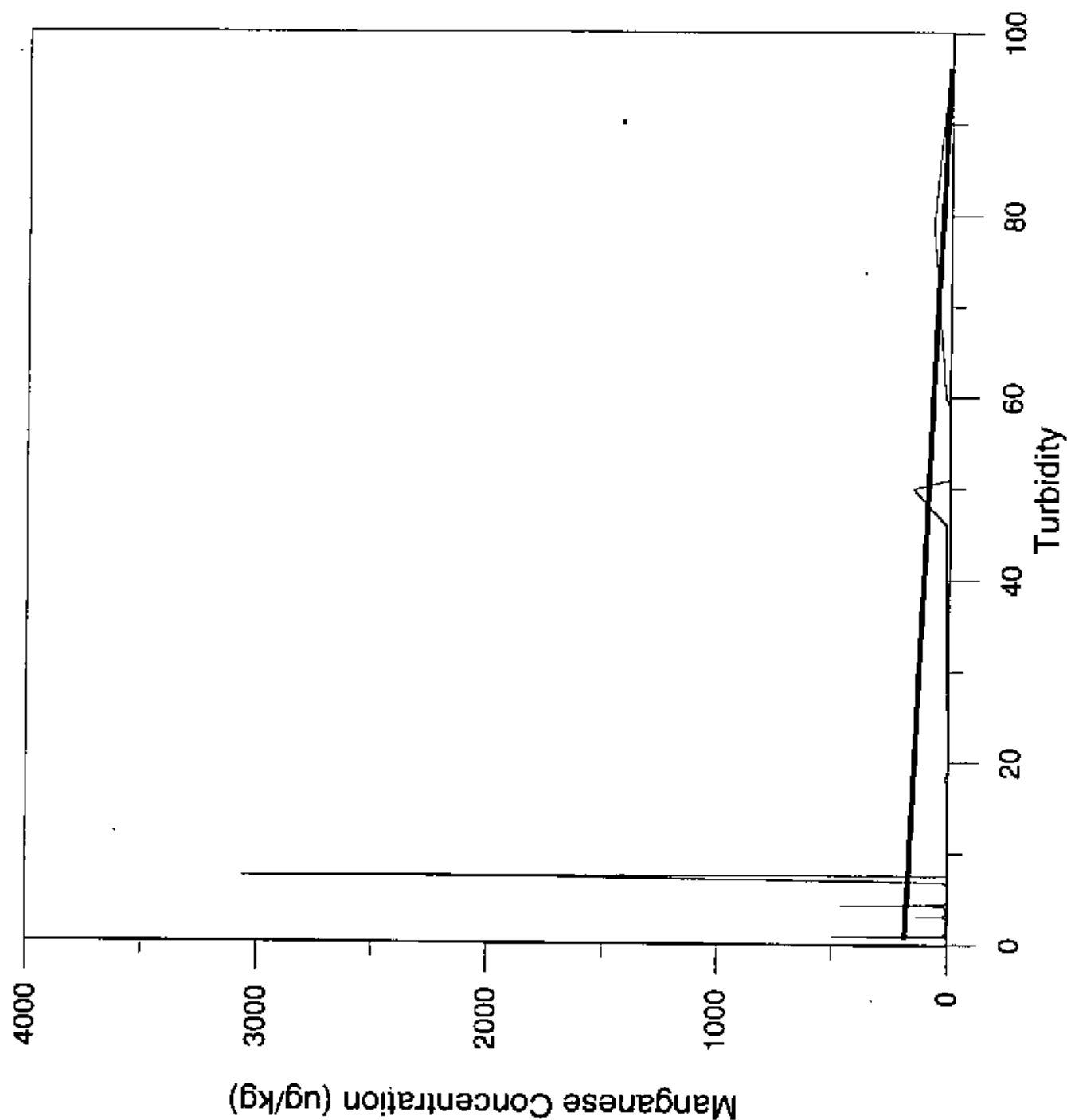


Figure 3-140
Nickel Concentration vs. Turbidity
March 1998 Sampling Event
Defense Distribution Depot-Memphis, Tennessee

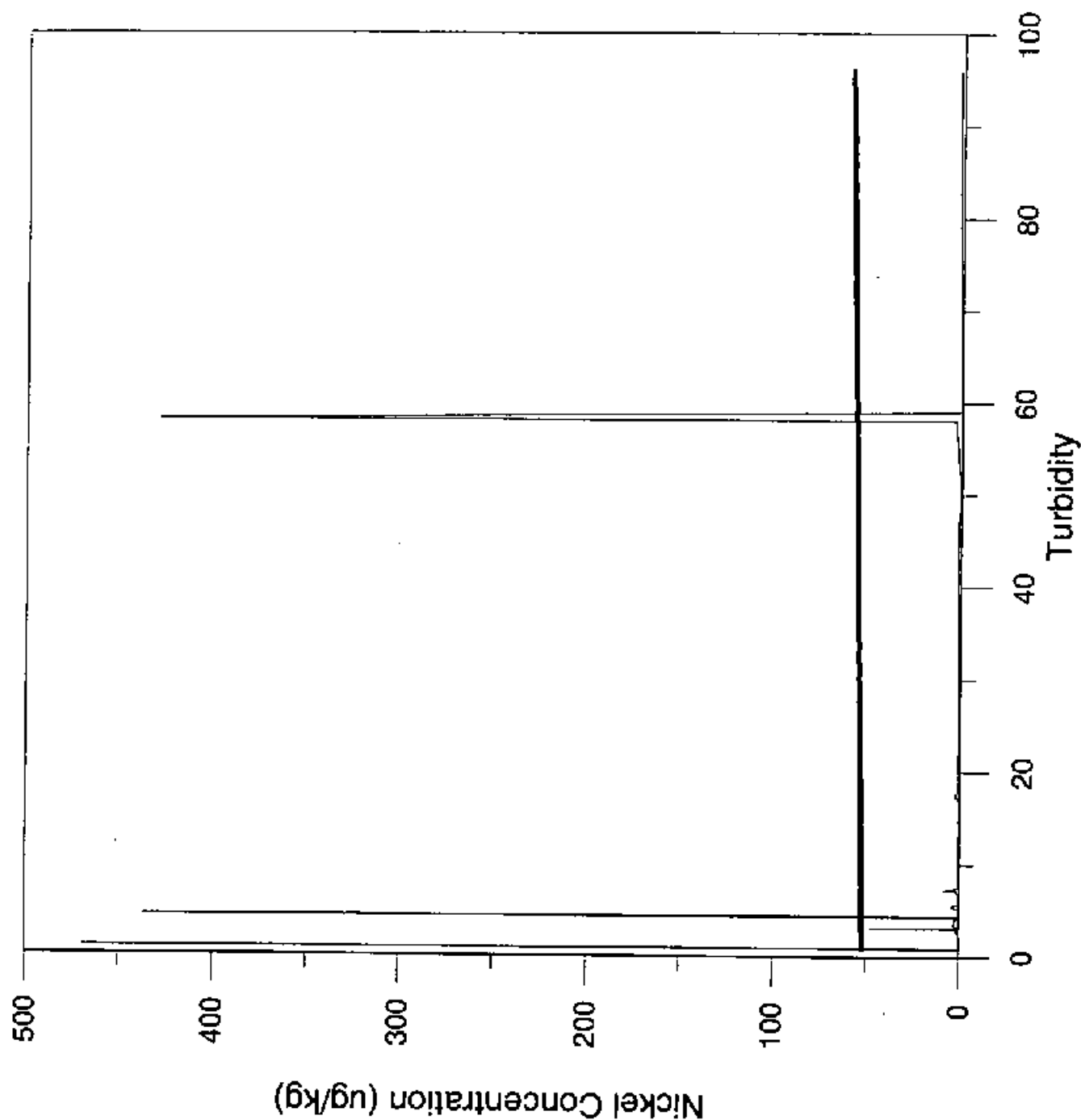


Figure 3-14P
Potassium Concentration vs. Turbidity
March 1998 Sampling Event
Defense Distribution Depot-Memphis, Tennessee

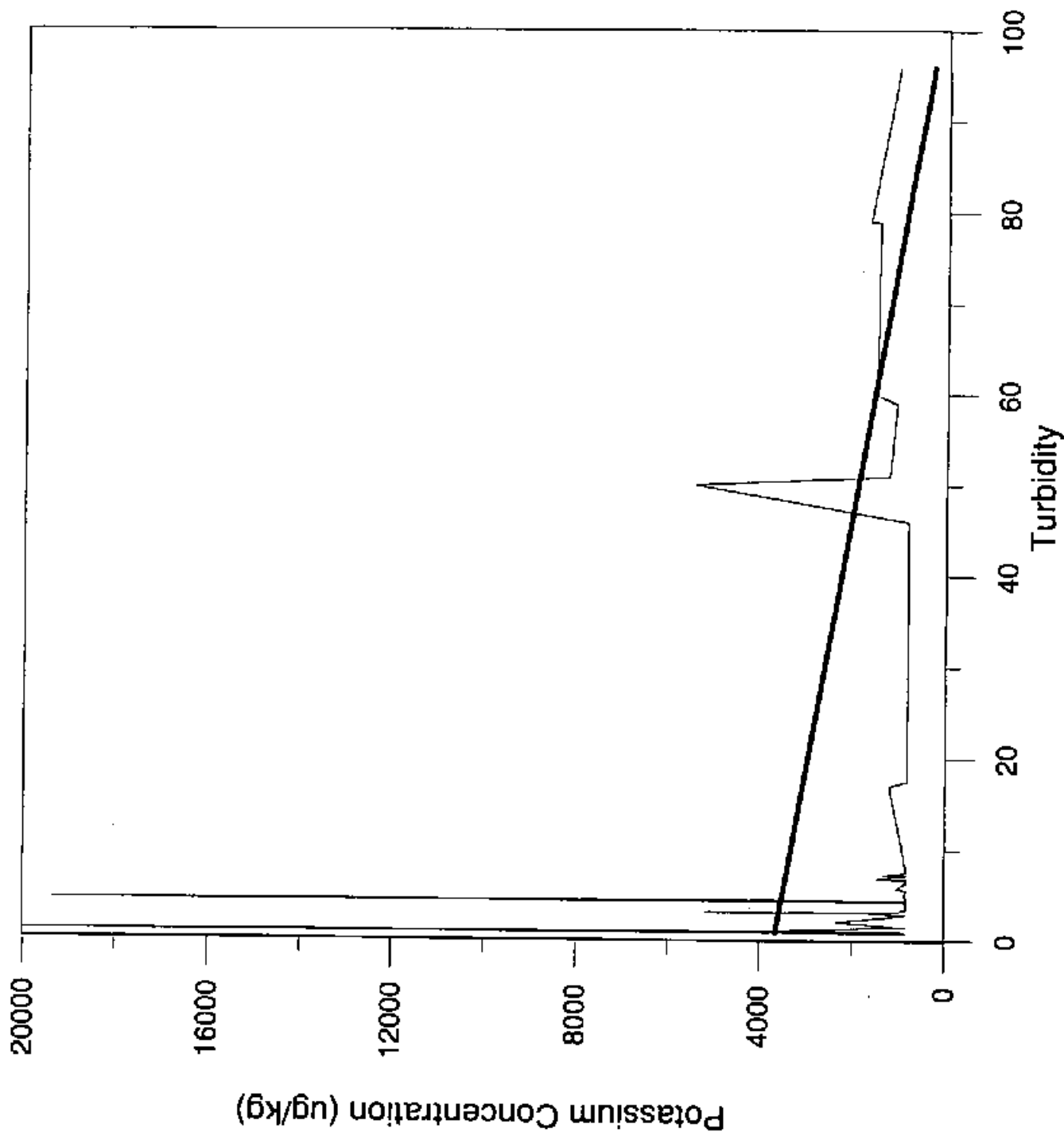


Figure 3-14Q
Selenium Concentration vs. Turbidity
March 1998 Sampling Event
Defense Distribution Depot-Memphis, Tennessee

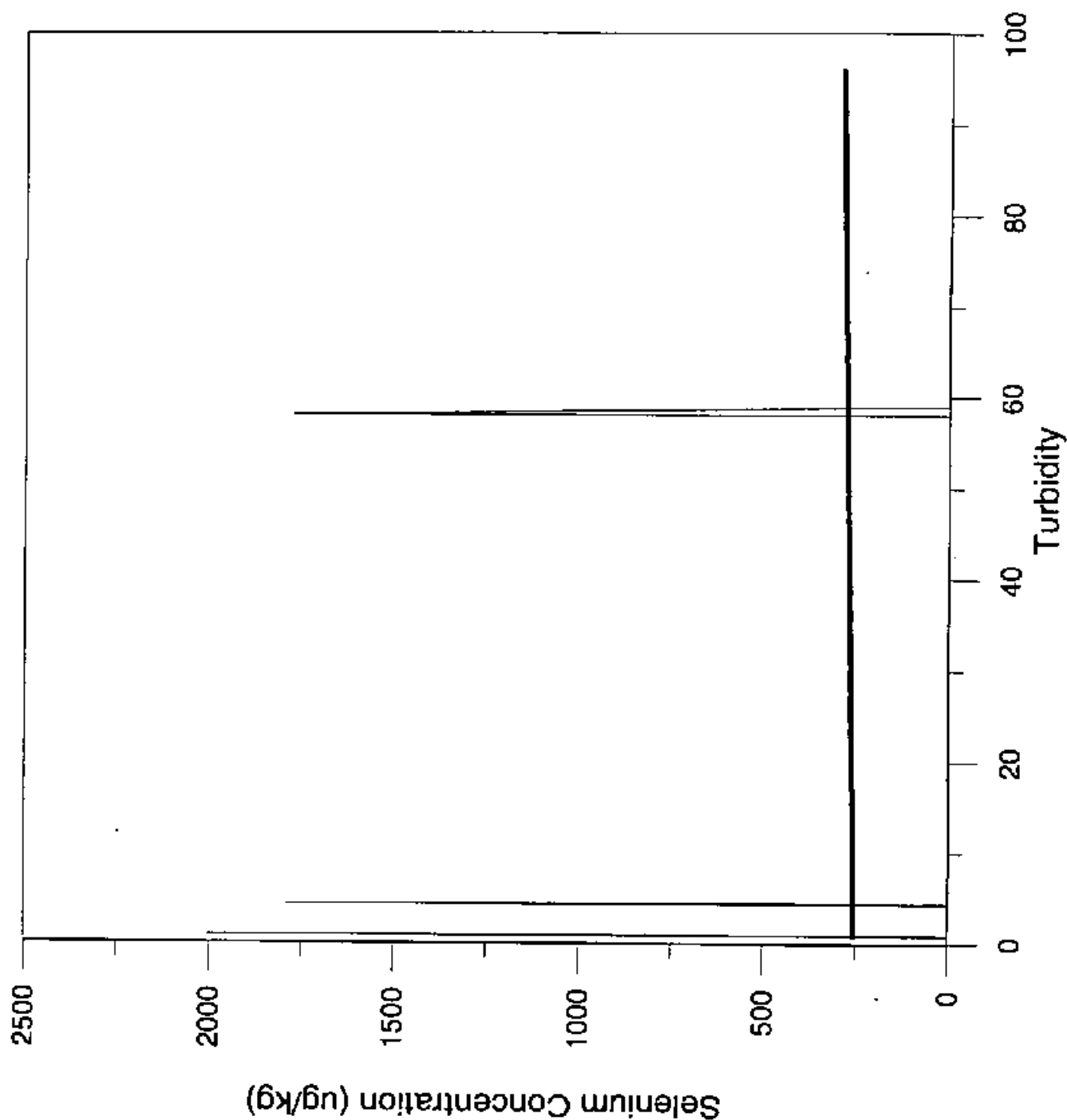
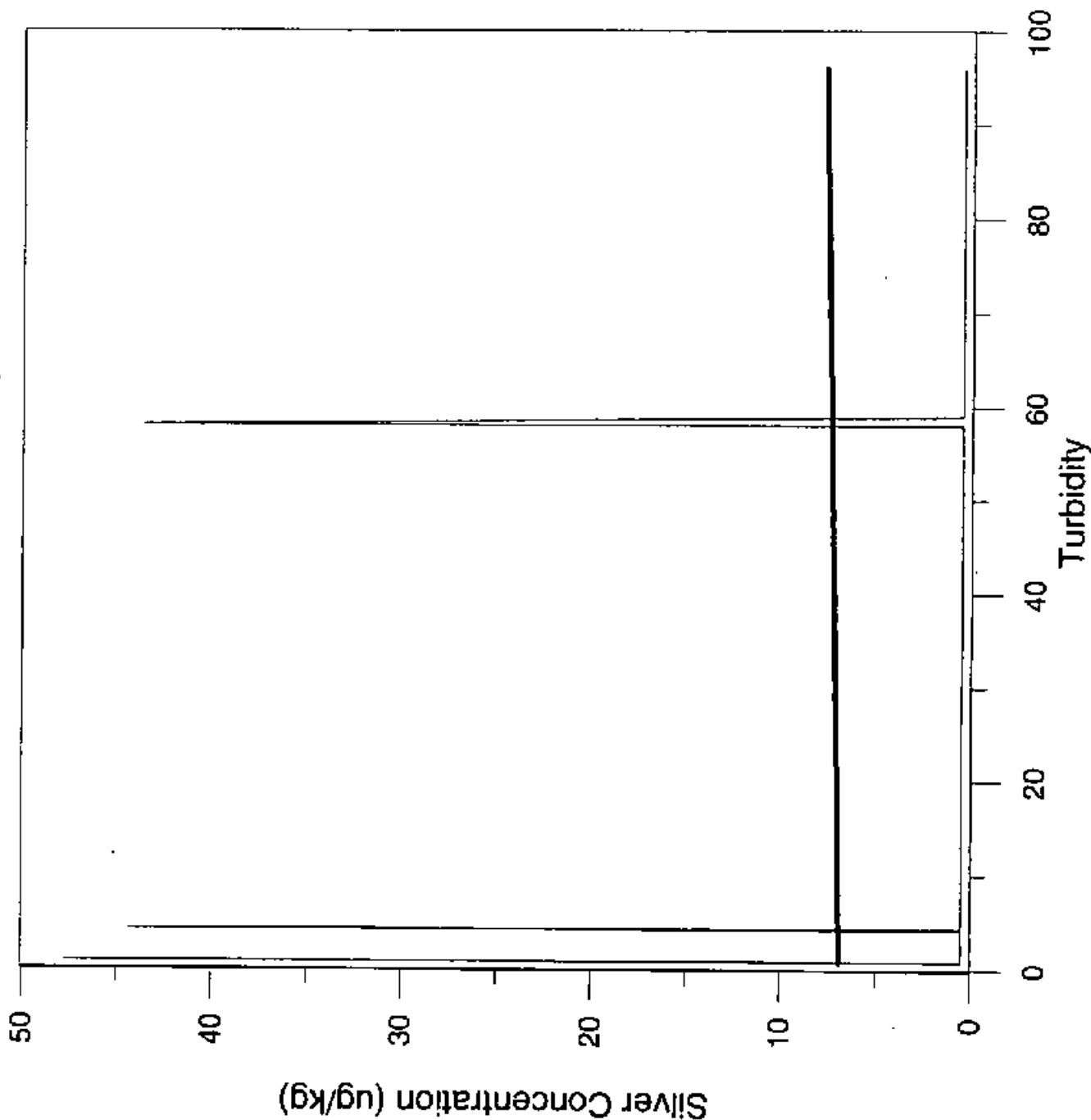


Figure 3-14R
Silver Concentration vs. Turbidity
March 1998 Sampling Event
Defense Distribution Depot-Memphis, Tennessee



Best Fit Line:
 $Y = 0.00926 \cdot X + 6.87$

Figure 3-14S

Sodium Concentration vs. Turbidity
March 1998 Sampling Event
Defense Distribution Depot-Memphis, Tennessee

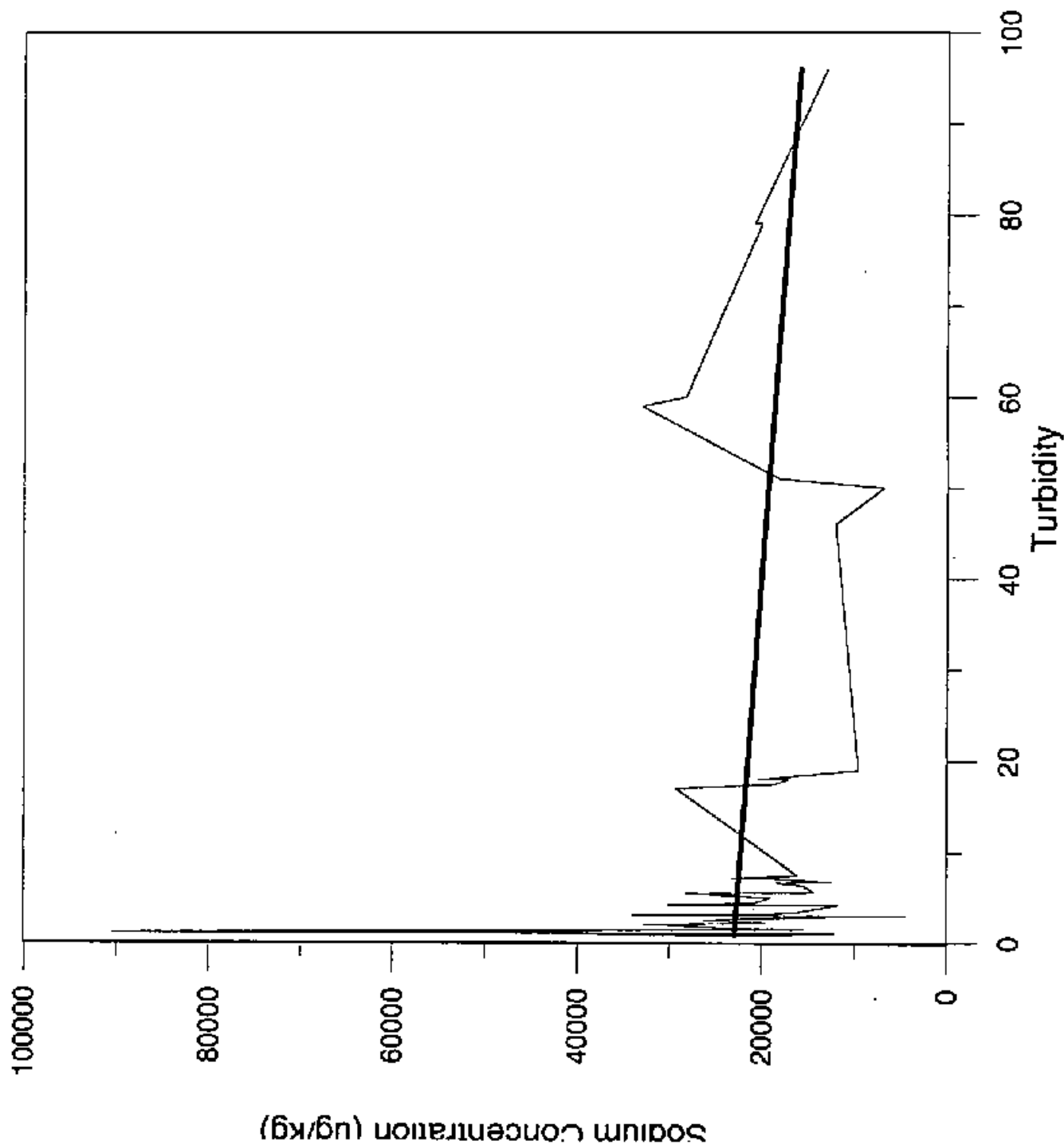


Figure 3-14T
Thallium Concentration vs. Turbidity
March 1998 Sampling Event
Defense Distribution Depot-Memphis, Tennessee

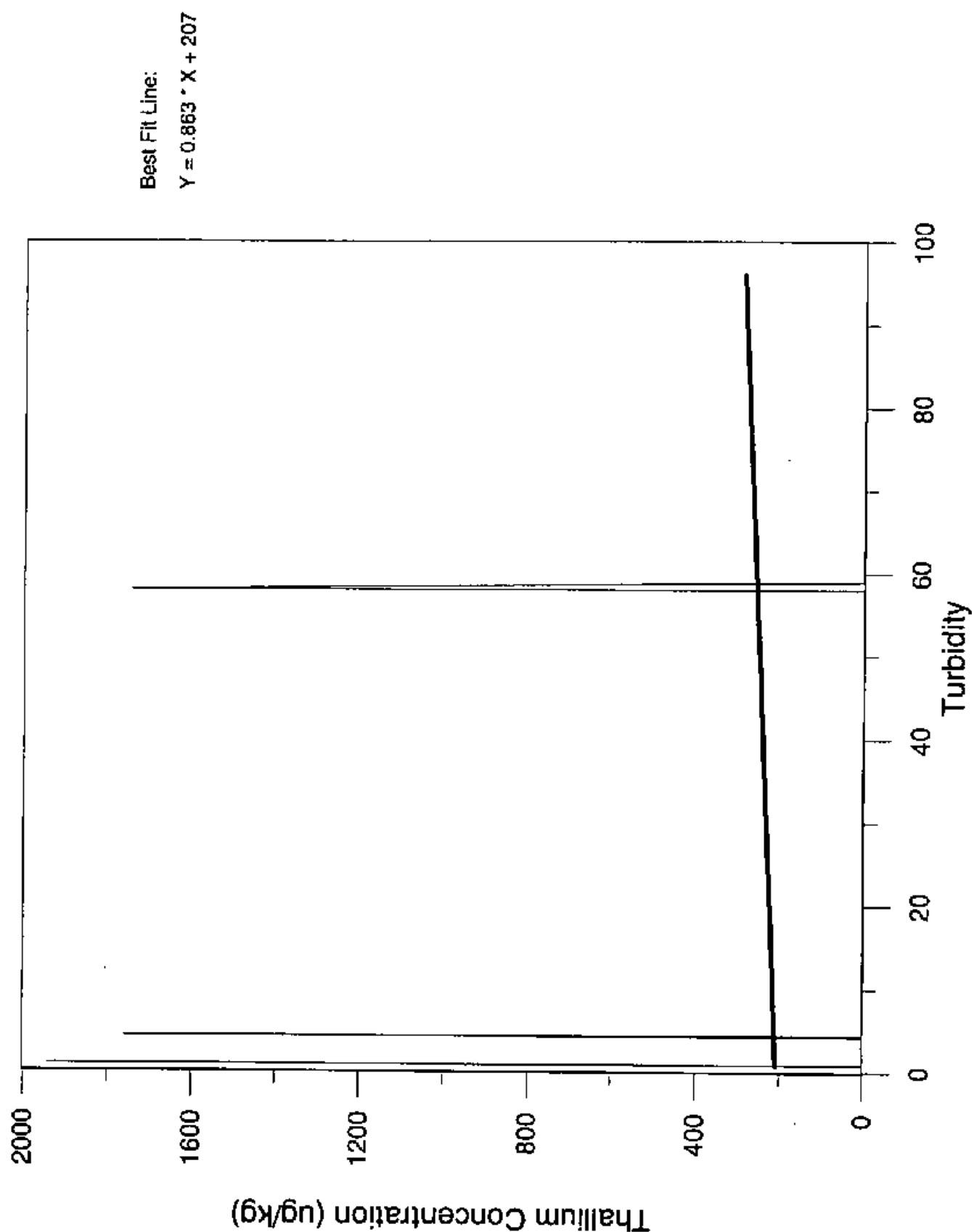


Figure 3-14U
Vanadium Concentration vs. Turbidity
March 1998 Sampling Event
Defense Distribution Depot-Memphis, Tennessee

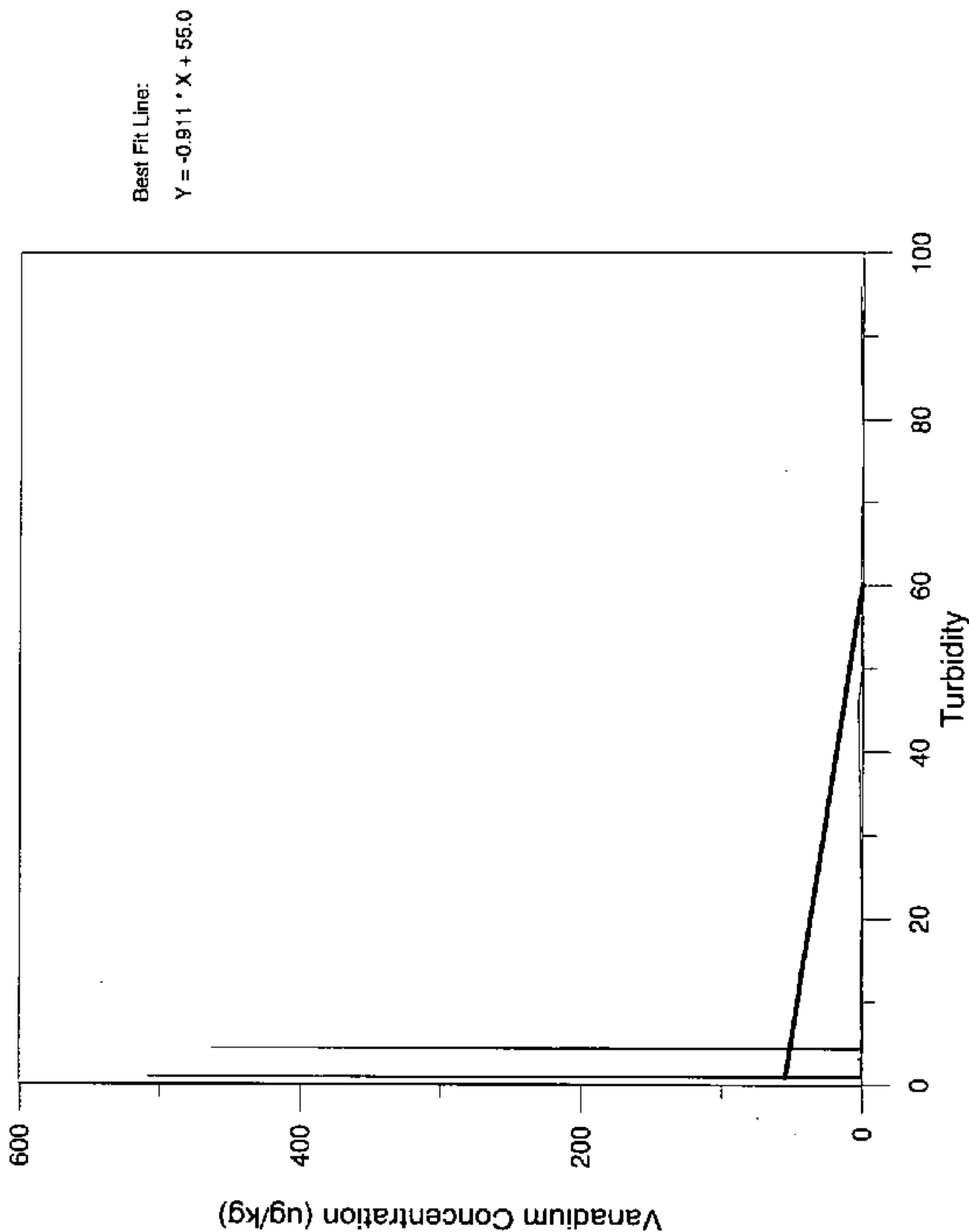
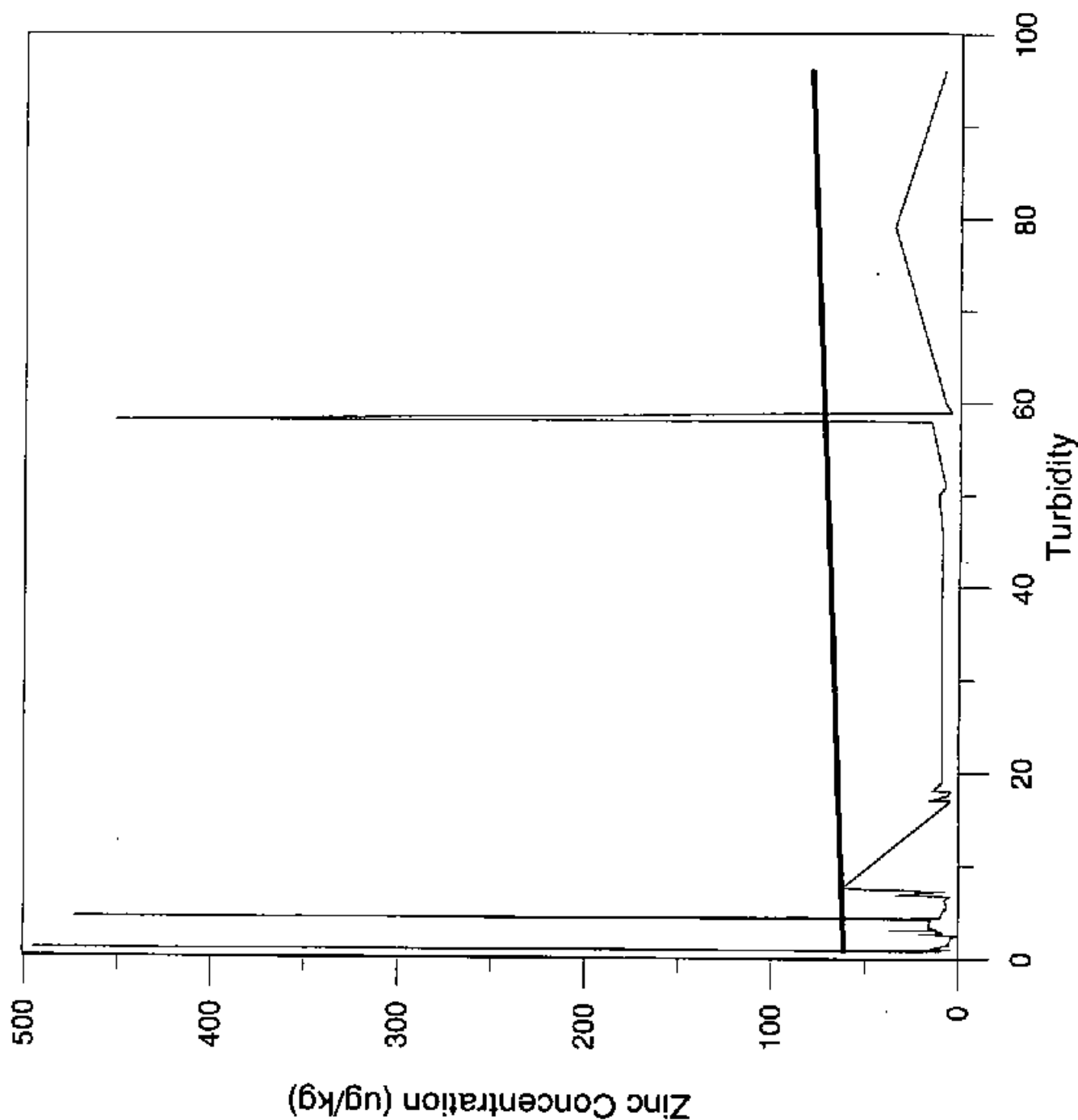


Figure 3-14V
Zinc Concentration vs. Turbidity
March 1998 Sampling Event
Defense Distribution Depot-Memphis, Tennessee



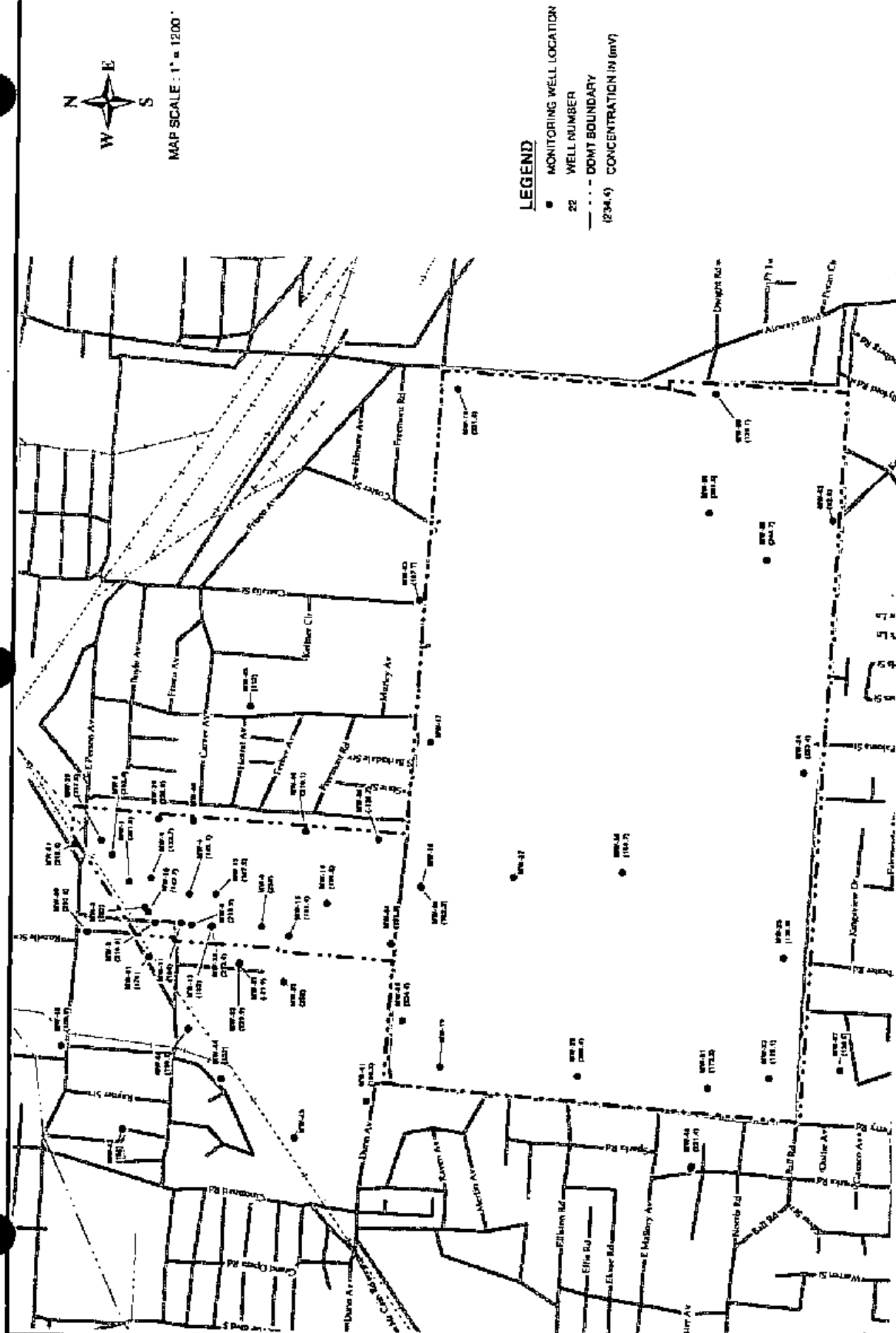


FIGURE 3-17
DISTRIBUTION OF REDOX IN
FLUVIAL AQUIFER WELLS - MARCH, 1998
Defense Distribution Depot Memphis, Tennessee

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	0.259	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	
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	14 hours elapsed between final parameter reading and sample collection because of slow recharge. Turbidity measurement
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	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.
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	
10	3/28/98	MW104	VOCs: TAL Metals; FS	Spill (VOCs, TAL metals)	1.7	5.1	3	5.66	0.322	18.9	4.88	142.7	17.5	Pumped	
11	3/28/98	MW114	VOCs: TAL Metals; Iodine		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	After well was opened, borehole 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
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	Samples obtained via pump - SVOCs: TAL metals, benchtop turbidity. Samples obtained via bailer. Recharge very slow - could not collect water quality parameters. 15 hours elapsed between collection of VOCs and metals turbidity. VOCs taken through pump and
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							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.
23	3/26/98	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	Samples obtained via pump - SVOCs: TAL metals, FS, benchtop 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	246.7	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	
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, MEE, 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	
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	
35	3/30/98	MW354	VOCs; SVOCs; TAL Metals; FS	Dup: MS/MSD; Split (VOCs, SVOCs, TAL Metals)	3.08	30.0	10	5.84	0.251	19.0	5.42	213.4	0.8	Pumped	After well had been opened for approx. 30 min., borehole Max. OVM reading = 906 ppm and Max. B2 = 1.1 ppm. Smelled diesel fumes from nearby heavy equipment.
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	Split (VOCs, SVOCs, TAL Metals)	10.02	37.0	4	6.53	0.375	19.9	1.88	-21.9	50.0	Pumped	
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	
40	3/28/98	MW404	VOCs; FS; MEE; PPM/MET		3	10.0	3	6.10	0.700	20.2	5.31	100.9	0.9	Pumped	Heavy traffic around sampling location - smelled car exhaust while sampling.
41	3/25/98	MW414	VOCs; MEE; PPM/MET		0.3	1.0	3	6.37	0.197	18.6	7.00	104.3	17.0	Bailed	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.
42	3/27/98	MW424	VOCs; MEE; PPM/MET	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; PPM/MET	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 parameter 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
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
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 - SVOCs, TAL metals, benchtop turbidity. Samples obtained via
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
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 - SVOCs, TAL metals, benchtop turbidity. Samples obtained via
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 - SVOCs, TAL metals, benchtop turbidity. Samples obtained via
54	3/28/98	MW544	VOCs: SVOCs: TAL Metals; MEE	Dup (SVOCs); Spills (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 - SVOCs, TAL metals, benchtop turbidity. Samples obtained via
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 - SVOCs, TAL metals, WQ, benchtop turbidity. Samples obtained via

Notes:

Blank cells indicate no data available.

Unless otherwise specified in the comments column, turbidity was measured with a Hach 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), NH₄, and Iron (Fe)

MEE = Methane, Ethane, Ethene

WQ = HCO₃, SO₄, Chloride (Cl), Fluoride (F), Hardness, and Tritium (H₃)

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	59.96	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	69.00	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	299.58	NA	230.19	NA	
12	NA	71.08	87.00	NA	301.40	NA	230.31	NA	
13	NA	68.10	83.00	NA	299.95	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	295.23	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	316.18	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	96.00	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	201.92	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	207.93	
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	90.50	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	O	76.80	95.00	95.00	262.40	262.25	185.45	187.40	
41	K	65.20	67.00	87.00	283.90	283.81	218.91	218.90	
42	N	53.00	59.00	59.00	275.10	274.87	221.87	216.10	
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	219.87	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	238.62	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	233.95	220.70	
50	F	84.84	124.00	125.00	299.30	298.78	213.84	174.30	
51	A	37.33	65.00	64.50	275.50	275.24	237.91	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	308.70	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	292.40	292.05	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
1,1,1-TRICHLOROETHANE						
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					
1,1,2,2-TETRACHLOROETHANE						
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					
1,1,2-TRICHLOROETHANE						
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"/>	
Maximum:	93				
Minimum:	50				
Average:	70.21				

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				
ALUMINUM					
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 I J ☐ ☐

Station ID	VALUE Q	PRG (ug/kg)	PRG Basis	Background	Basis
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Maximum: 1
 Minimum: 1
 Average: 1.00

BENZO(a)ANTHRACENE

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

BENZO(a)PYRENE

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

BENZO(b)FLUORANTHENE

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

BENZO(k)FLUORANTHENE

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
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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				

CHROMIUM, TOTAL

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
Maximum:	16.9				
Minimum:	0.93				
Average:	5.78				

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
Maximum:	25.8				
Minimum:	1.1				
Average:	9.82				

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

Maximum: 18300

Minimum: 20.2

Average: 1717.24

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

Maximum: 41.6

Minimum: 1.3

Average: 6.85

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"/>
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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				
NITROGEN, AMMONIA (AS N)					
MW40	1.7 =	<input type="checkbox"/>		<input type="checkbox"/>	
Maximum:	1.7				
Minimum:	1.7				
Average:	1.70				
NITROGEN, NITRATE (AS N)					
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				
NITROGEN, NITRATE-NITRITE					
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				

PHENANTHRENE

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				

PHENOL-d5

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				

POTASSIUM

MW03	1250 TR	<input type="checkbox"/>	0	NA	<input type="checkbox"/>	3495.4	2XMEAN
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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
PYRENE						
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					
SELENIUM						
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					
SODIUM						
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

Maximum: 24.5

Minimum: 0.31

Average: 1.88

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
Inorganics						
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
VOCs						
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
CORRELATION BETWEEN TURBIDITY AND CONCENTRATION

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	VANADIUM	ZINC	
		MW39	79.0	292	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	1680	1.6	0.5	20800	1.6
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	2620	1.3	13100	9.8	1.7	1070	1.6	0.5	13100	1.6	2.3	8.9
MW46	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	9.8
MW48	1.5	18.0	1.8	1.4	83.9	0.07	0.1	15400	2.2	3.4	1	3.6	1.3	8180	0.91	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	12800	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	22200	16.3	0.3	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	2.6	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	32900	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	2.6	0.93	1	197	1.3	4710	5.2	0.3	868	1.6	0.5	19000	1.6	0.72	8.8

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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 ₃ (mg/L)	TOC (mg/L)	NH ₄ (mg/L)	Fe (ug/L)	Cl (mg/L)	Methane (ug/L)
Main Installation													
21	pb	5.91	19.8	6.00	173.3	8.5	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
26	p	6.09	21.5	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	5.12	134.5	2.1	19.5	nc	nc	nc	31.3	1.0	nc
62	pb	5.82	18.8	8.83	62.5	nc	nc	nc	nc	nc	nc	nc	nc
16	pb	5.13	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	16300.0	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	21.5	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
48	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	894.0	19.9	nc
4	b	6.07	17.5	12.74	145.1	nc	nc	nc	nc	nc	706.0	nc	nc
5	p	5.68	19.0	6.44	213.9	nc	nc	nc	nc	nc	nc	nc	nc
8	p	5.54	19.2	8.86	259.0	nc	nc	nc	nc	nc	340.0	nc	nc
7	b	5.96	18.6	6.13	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	17.6	nc
9	pb	5.86	18.6	4.80	133.7	nc	nc	nc	nc	nc	263.0	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	5.58	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	6.83	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	nc	nc	nc	199.0	nc	nc
35	p	5.84	19.0	5.42	213.4	4.6	19.5	nc	nc	nc	14.0	nc	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	6.89	218.4	nc	nc	nc	nc	nc	nc	nc	nc
54	p	6.04	20.9	8.78	139.2	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	38.7	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	550.0	7.4	nc
28	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	11.4	nc	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	9.3	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	7.51	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	219.1	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 fluvial 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).
- UU 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	Lab Value	Project Qualifier	Units	Detection Limit
MW024	MW02	ALUMINUM	SW6010	809 =		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-TRICHLOROETHANE	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	1,1-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	CHL-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW024	MW02	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW024	MW02	DIBROMOFLUOROMETHANE	SW8260	10 U		UG/L	10
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	10
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	1,2-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	10
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	BROMOCHLOROMETHANE	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	CHL-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW024D	MW02	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW024D	MW02	DIBROMOFLUOROMETHANE	SW8260	10 U		UG/L	10
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

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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	103		UG/L	10
MW024D	MW02	TOTAL 1,2-DICHLOROETHANE	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	1.2
MW034	MW03	ARSENIC	SW6010	1.9 U		UG/L	1.4
MW034	MW03	BARIUM	SW6010	108 J		UG/L	0.45
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	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW034	MW03	SILVER	SW6010	0.6 U		UG/L	0.5
MW034	MW03	SODIUM	SW6010	18200 =		UG/L	114.2
MW034	MW03	THALLIUM	SW6010	1.6 U		UG/L	1.6
MW034	MW03	VANADIUM	SW6010	0.78 J		UG/L	0.31
MW034	MW03	ZINC	SW6010	7.8 U		UG/L	1.1
MW034	MW03	MERCURY	SW7470	0.1 U		UG/L	0.1
MW034	MW03	1,1,1-TRICHLOROETHANE	SW8260	1 J		UG/L	10
MW034	MW03	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW034	MW03	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW034	MW03	1,1-DICHLOROETHANE	SW8260	25 =		UG/L	10
MW034	MW03	1,1-DICHLOROETHANE	SW8260	10 U		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

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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	ALUMINUM	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

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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 U		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 U		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-DICHLOROETHANE	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	10
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	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MWD44	MWD4	DIBROMOFLUOROMETHANE	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	72 =		UG/L	10
MWD44	MWD4	TETRACHLOROETHYLENE (PCE)	SW8260	10 U		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

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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 (AsI)	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	0.1
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	1,1,2,2-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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW054	MW05	CHLOROBENZENE	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	CS-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW054	MW05	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW054	MW05	DIBROMOFLUOROMETHANE	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-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW054	MW05	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW054	MW05	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW054	MW05	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW054	MW05	2,2-DIMETHYL-2-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	50		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-FLUOROPHENYL	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-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW054	MW05	3-NITROANILINE	SW8270	50 U		UG/L	50

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	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-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW054	MW05	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW054	MW05	4-CHLOROBENZENE	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(a)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	BENZYL 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	DIBENZO(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW054	MW05	DIBENZOFURAN	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	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW054	MW05	INDENOX(1,2,3-c,d)PYRENE	SW8270	10 U		UG/L	10
MW054	MW05	ISOPHTHORENE	SW8270	10 U		UG/L	10
MW054	MW05	N-NITROSODI-n-PROPYLAMINE	SW8270	10 U		UG/L	10
MW054	MW05	N-NITROSODIPHENYLAMINE	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	PENITACHLOROPHENOL	SW8270	5 U		UG/L	5
MW054	MW05	PHENANTHRENE	SW8270	10 U		UG/L	10

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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	PHENOL	SW8270	10 U		UG/L	10
MW054	MW05	PHENOL	SW8270	62		UG/L	0
MW054	MW06	TERPHENYL-D14	SW6010	156 U		UG/L	7.9
MW054	MW06	ALUMINUM	SW6010	1.7 U		UG/L	1.7
MW054	MW06	ANTIMONY	SW6010	2.1 U		UG/L	1.4
MW054	MW06	ARSENIC	SW6010	199 J		UG/L	D.48
MW054	MW06	BARIUM	SW6010	0.02 U		UG/L	0.02
MW054	MW06	BERYLLIUM	SW6010	0.46 J		UG/L	0.085
MW054	MW06	CADMIUM	SW6010	95900 *		UG/L	23.7
MW054	MW06	CALCIUM	SW6010	3.4 U		UG/L	1
MW054	MW06	CHROMIUM TOTAL	SW6010	6.5 J		UG/L	0.5
MW054	MW06	COBALT	SW6010	3.1 U		UG/L	1
MW054	MW06	COPPER	SW6010	340 =		UG/L	3.6
MW054	MW06	IRON	SW6010	1.3 U		UG/L	1.3
MW054	MW06	LEAD	SW6010	17700 =		UG/L	6.2
MW054	MW06	MAGNESIUM	SW6010	3040 =		UG/L	0.53
MW054	MW06	MANGANESE	SW6010	8.1 U		UG/L	0.32
MW054	MW06	NICKEL	SW6010	824 U		UG/L	824
MW054	MW06	POTASSIUM	SW6010	1.6 U		UG/L	1.6
MW054	MW06	SELENIUM	SW6010	0.5 U		UG/L	0.5
MW054	MW06	SILVER	SW6010	19700 =		UG/L	114.2
MW054	MW06	SODIUM	SW6010	1.6 U		UG/L	1.6
MW054	MW06	THALLIUM	SW6010	0.3 U		UG/L	0.3
MW054	MW06	VANADIUM	SW6010	7.1 U		UG/L	1.1
MW054	MW06	ZINC	SW6010	0.25 =		UG/L	0.1
MW054	MW06	MERCURY	SW7470	10 U		UG/L	10
MW054	MW06	1,1,1-TRICHLOROETHANE	SW8260	130 =		UG/L	10
MW054	MW06	1,1,2-TRICHLOROETHANE	SW8260	5 J		UG/L	10
MW054	MW06	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW054	MW06	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW054	MW06	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW054	MW06	1,2-DICHLOROETHANE	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 (4-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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW004	MW00	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW004	MW00	CHLOROETHANE	SW8260	10 U		UG/L	10
MW004	MW00	CHLOROFORM	SW8260	6 J		UG/L	10
MW004	MW00	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW004	MW00	CHL-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW004	MW00	DEBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW004	MW00	DEBROMOFLUOROMETHANE	SW8260	97		UG/L	0
MW004	MW00	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW004	MW00	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW004	MW00	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW004	MW00	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW004	MW00	STYRENE	SW8260	10 U		UG/L	10
MW004	MW00	TETRACHLOROETHYLENE (PCE)	SW8260	1 U		UG/L	10
MW004	MW00	TOLUENE	SW8260	10 U		UG/L	10
MW004	MW00	TOLUENE-D8	SW8260	105		UG/L	10
MW004	MW00	TOTAL 1,2-DICHLOROETHENE	SW8260	150 =		UG/L	10
MW004	MW00	Total Xylenes	SW8260	10 U		UG/L	10
MW004	MW00	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW004	MW00	TRICHLOROETHYLENE (TCE)	SW8260	94 =		UG/L	10
MW004	MW00	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW004	MW00	1,2,4-TRICHLOROBENZENE	SW8270	10 R		UG/L	10
MW004	MW00	1,2-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW004	MW00	1,3-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW004	MW00	1,4-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW004	MW00	2,2'-OXYBIS(1-CHLOROPROPANE)	SW8270	10 R		UG/L	10
MW004	MW00	2,4,5-TRICHLOROPHENOL	SW8270	50 R		UG/L	50
MW004	MW00	2,4,6-TRIBROMOPHENOL	SW8270	8		UG/L	0
MW004	MW00	2,4,6-TRICHLOROPHENOL	SW8270	10 R		UG/L	10
MW004	MW00	2,4-DICHLOROPHENOL	SW8270	10 R		UG/L	10
MW004	MW00	2,4-DIMETHYLPHENOL	SW8270	10 R		UG/L	10
MW004	MW00	2,4-DINITROPHENOL	SW8270	50 R		UG/L	50
MW004	MW00	2,4-DINITROTOLUENE	SW8270	10 R		UG/L	10
MW004	MW00	2,6-DINITROTOLUENE	SW8270	10 R		UG/L	10
MW004	MW00	2-CHLORONAPHTHALENE	SW8270	10 R		UG/L	10
MW004	MW00	2-CHLOROPHENOL	SW8270	10 R		UG/L	10
MW004	MW00	2-FLUOROPHENYL	SW8270	73		UG/L	0
MW004	MW00	2-FLUOROPHENOL	SW8270	6		UG/L	0
MW004	MW00	2-METHYLNAPHTHALENE	SW8270	10 R		UG/L	10
MW004	MW00	2-METHYLPHENOL (o-CRESOL)	SW8270	10 R		UG/L	10
MW004	MW00	2-NITROANILINE	SW8270	50 R		UG/L	50
MW004	MW00	2-NITROPHENOL	SW8270	10 R		UG/L	10
MW004	MW00	3,3-DICHLOROBENZIDINE	SW8270	20 R		UG/L	20
MW004	MW00	3-NITROANILINE	SW8270	50 R		UG/L	50

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW004	MW06	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 R		UG/L	50
MW004	MW06	4-BROMOPHENYL PHENYL ETHER	SW8270	10 R		UG/L	10
MW004	MW06	4-CHLORO-3-METHYLPHENOL	SW8270	10 R		UG/L	10
MW004	MW06	4-CHLORANILINE	SW8270	10 R		UG/L	10
MW004	MW06	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 R		UG/L	10
MW004	MW06	4-METHYLPHENOL (p-CRESOL)	SW8270	10 R		UG/L	10
MW004	MW06	4-NITROANILINE	SW8270	50 R		UG/L	50
MW004	MW06	4-NITROPHENOL	SW8270	50 R		UG/L	50
MW004	MW06	ACENAPHTHENE	SW8270	10 R		UG/L	10
MW004	MW06	ACENAPHTHYLENE	SW8270	10 R		UG/L	10
MW004	MW06	ANTHRACENE	SW8270	10 R		UG/L	10
MW004	MW06	BENZOXANTHACENE	SW8270	10 R		UG/L	10
MW004	MW06	BENZOPYRENE	SW8270	10 R		UG/L	10
MW004	MW06	BENZOFULVORANTHENE	SW8270	10 R		UG/L	10
MW004	MW06	BENZOFULVORANTHENE	SW8270	10 R		UG/L	10
MW004	MW06	BENZYL BUTYL PHTHALATE	SW8270	10 R		UG/L	10
MW004	MW06	1,2,4-TRICHLOROETHOXY METHANE	SW8270	10 R		UG/L	10
MW004	MW06	1,2,4-TRICHLOROETHYL ETHER (2-CHLOROETHYL ETHER)	SW8270	10 R		UG/L	10
MW004	MW06	1,2,4-TRICHLOROETHYL ETHER	SW8270	10 R		UG/L	10
MW004	MW06	CARBAZOLE	SW8270	10 R		UG/L	10
MW004	MW06	CHRYSENE	SW8270	10 R		UG/L	10
MW004	MW06	DIA-BUTYL PHTHALATE	SW8270	2 R		UG/L	10
MW004	MW06	DIA-OCTYL PHTHALATE	SW8270	10 R		UG/L	10
MW004	MW06	DIBENZ(a,h)ANTHRACENE	SW8270	10 R		UG/L	10
MW004	MW06	DIBENZOFURAN	SW8270	10 R		UG/L	10
MW004	MW06	DIETHYL PHTHALATE	SW8270	10 R		UG/L	10
MW004	MW06	DIMETHYL PHTHALATE	SW8270	10 R		UG/L	10
MW004	MW06	FLUORANTHENE	SW8270	10 R		UG/L	10
MW004	MW06	FLUORENE	SW8270	10 R		UG/L	10
MW004	MW06	HEXACHLOROBENZENE	SW8270	10 R		UG/L	10
MW004	MW06	HEXACHLOROBUTADIENE	SW8270	10 R		UG/L	10
MW004	MW06	HEXACHLOROCYCLOPENTADIENE	SW8270	10 R		UG/L	10
MW004	MW06	HEXACHLOROETHANE	SW8270	10 R		UG/L	10
MW004	MW06	INDENOL 1,2,3-c-DIPTYRENE	SW8270	10 R		UG/L	10
MW004	MW06	ISOPHTHORENE	SW8270	10 R		UG/L	10
MW004	MW06	N-NITROBIS(4-PROPYLAMINE)	SW8270	10 R		UG/L	10
MW004	MW06	N-NITROBIS(4-PROPYLAMINE)	SW8270	10 R		UG/L	10
MW004	MW06	NAPHTHALENE	SW8270	10 R		UG/L	10
MW004	MW06	NITROBENZENE	SW8270	10 R		UG/L	10
MW004	MW06	NITROBENZENE-OS	SW8270	70		UG/L	10
MW004	MW06	PENTACHLOROPHENOL	SW8270	5 R		UG/L	5
MW004	MW06	PHENANTHRENE	SW8270	10 R		UG/L	10

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW004	MW06	PHENOL	SW8270	10 R		UG/L	10
MW004	MW06	PHENOL-D5	SW8270	32		UG/L	0
MW004	MW06	PYRENE	SW8270	10 R		UG/L	10
MW004	MW06	TERPHENYL-D14	SW8270	76		UG/L	0
MW004RE	MW06	1,2,4-TRICHLOROBENZENE	SW8270	10 R		UG/L	10
MW004RE	MW06	1,2-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW004RE	MW06	1,3-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW004RE	MW06	1,4-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW004RE	MW06	2,2'-OXYBIS(1-CHLOROPROPANE)	SW8270	10 R		UG/L	10
MW004RE	MW06	2,4,5-TRICHLOROPHENOL	SW8270	50 R		UG/L	50
MW004RE	MW06	2,4,6-TRIBROMOPHENOL	SW8270	42		UG/L	0
MW004RE	MW06	2,4,6-TRICHLOROPHENOL	SW8270	10 R		UG/L	10
MW004RE	MW06	2,4-DICHLOROPHENOL	SW8270	10 R		UG/L	10
MW004RE	MW06	2,4-DIMETHYLPHENOL	SW8270	10 R		UG/L	10
MW004RE	MW06	2,4-DINITROPHENOL	SW8270	50 R		UG/L	50
MW004RE	MW06	2,4-DINITROTOLUENE	SW8270	10 R		UG/L	10
MW004RE	MW06	2,6-DINITROTOLUENE	SW8270	10 R		UG/L	10
MW004RE	MW06	2-CHLORONAPHTHALENE	SW8270	10 R		UG/L	10
MW004RE	MW06	2-CHLOROPHENOL	SW8270	10 R		UG/L	10
MW004RE	MW06	2-FLUOROBIPHENYL	SW8270	93		UG/L	0
MW004RE	MW06	2-FLUOROPHENOL	SW8270	5		UG/L	0
MW004RE	MW06	2-METHYLNAPHTHALENE	SW8270	10 R		UG/L	10
MW004RE	MW06	2-METHYLPHENOL (O-CRESOL)	SW8270	10 R		UG/L	10
MW004RE	MW06	2-NITROANILINE	SW8270	50 R		UG/L	50
MW004RE	MW06	2-NITROPHENOL	SW8270	10 R		UG/L	10
MW004RE	MW06	3,3'-DICHLOROBENZIDINE	SW8270	20 R		UG/L	20
MW004RE	MW06	3-NITROANILINE	SW8270	50 R		UG/L	50
MW004RE	MW06	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 R		UG/L	50
MW004RE	MW06	4-BROMOPHENYL PHENYL ETHER	SW8270	10 R		UG/L	10
MW004RE	MW06	4-CHLORO-3-METHYLPHENOL	SW8270	10 R		UG/L	10
MW004RE	MW06	4-CHLOROANILINE	SW8270	10 R		UG/L	10
MW004RE	MW06	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 R		UG/L	10
MW004RE	MW06	4-METHYLPHENOL (P-CRESOL)	SW8270	10 R		UG/L	10
MW004RE	MW06	4-NITROANILINE	SW8270	50 R		UG/L	50
MW004RE	MW06	4-NITROPHENOL	SW8270	50 R		UG/L	50
MW004RE	MW06	ACENAPHTHENE	SW8270	10 R		UG/L	10
MW004RE	MW06	ACENAPHTHYLENE	SW8270	10 R		UG/L	10
MW004RE	MW06	ANTHRACENE	SW8270	10 R		UG/L	10
MW004RE	MW06	BENZ(a)ANTHRACENE	SW8270	10 R		UG/L	10
MW004RE	MW06	BENZ(b)PYRENE	SW8270	10 R		UG/L	10
MW004RE	MW06	BENZ(b)FLUORANTHENE	SW8270	10 R		UG/L	10
MW004RE	MW06	BENZ(b)FLUORENE	SW8270	10 R		UG/L	10
MW004RE	MW06	BENZ(b)FLUORANTHENE	SW8270	10 R		UG/L	10
MW004RE	MW06	BENZ(b)FLUORENE	SW8270	10 R		UG/L	10
MW004RE	MW06	BENZ(b)FLUORANTHENE	SW8270	10 R		UG/L	10

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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	BB(2-CHLOROETHOXY) METHANE	SW8270	10 R		UG/L	10
MW064RE	MW06	BB(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 R		UG/L	10
MW064RE	MW06	BB(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)ANTHRACENE	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	HEXACHLOROCYCLOPENTADIENE	SW8270	10 R		UG/L	10
MW064RE	MW06	HEXACHLOROCYCLOPENTADIENE	SW8270	10 R		UG/L	10
MW064RE	MW06	INDEN(1,2,3-c,d)PYRENE	SW8270	10 R		UG/L	10
MW064RE	MW06	ISOPHORENE	SW8270	10 R		UG/L	10
MW064RE	MW06	N-NITROSO-DI-N-PROPYLAMINE	SW8270	10 R		UG/L	10
MW064RE	MW06	N-NITROSO-DI-PHENYLAMINE	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	ALUMINUM	SW6010	251		UG/L	2.9
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

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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	6.2
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	1142
MW074	MW07	THALLIUM	SW6010	2.9 U		UG/L	1.6
MW074	MW07	VANADIUM	SW6010	0.85 U		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	CHL-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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW074	MW07	Total Xylenes	SW8260	10 U		UG/L	10
MW074	MW07	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW074	MW07	TRICHLOROETHYLENE (TCE)	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-DIMETHYL-2-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-CHLOROPHENOL	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	BENZOXANTHACENE	SW8270	10 U		UG/L	10
MW074	MW07	BENZOXGOPYRENE	SW8270	10 U		UG/L	10
MW074	MW07	BENZOXDFLUORANTHENE	SW8270	10 U		UG/L	10
MW074	MW07	BENZOXGFLUORENE	SW8270	10 U		UG/L	10
MW074	MW07	BENZOXGFLUORANTHENE	SW8270	10 U		UG/L	10

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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	DI(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW074	MW07	DI(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW074	MW07	DI(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	DIBENZ(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW074	MW07	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW074	MW07	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW074	MW07	DIMETHYL 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	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW074	MW07	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW074	MW07	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW074	MW07	INDENOX(1,2,3-c,d)PYRENE	SW8270	10 U		UG/L	10
MW074	MW07	ISOPHORENE	SW8270	10 U		UG/L	10
MW074	MW07	N-NITROSO-n-PROPYLAMINE	SW8270	10 U		UG/L	10
MW074	MW07	N-NITROSO-DIPHENYLAMINE	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	11 U		MG/L	1
MW084	MW08	ALUMINUM	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

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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	1,1,2,2-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	DIBROMOFUOROMETHANE	SW8260	97		UG/L	0
MW084	MW08	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW084	MW08	METHYLETHYL 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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW084	MW08	TOUENE	SW8260	10 U		UG/L	10
MW084	MW08	TOUENE-D8	SW8260	102		UG/L	10
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-DICHLOROPROPANE	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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW084	MW08	BENZO(D)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-CHLOROETHYLETHYR)	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(G,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) 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-DS	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-DS	SW8270	72		UG/L	10
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	7.9
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

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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	8.2 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	Cis-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW094	MW09	DIBROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW094	MW09	DIBROMOFLUOROMETHANE	SW8260	101		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

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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	TOUENE	SW8260	10 U		UG/L	10
MW094	MW09	TOUENE-DB	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	2 J		UG/L	10
MW104	MW10	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		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-DICHLOROETHANE	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	105		UG/L	0

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4th Quarter Groundwater Analytical Results

Sample ID	Section 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	CHLOROBENZENE	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	CB-1,3-DICHLOROPROPENE	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	2 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	100 =		UG/L	10
MW104	MW10	TOLUENE	SW8260	10 U		UG/L	10
MW104	MW10	TOLUENE-D8	SW8260	100 =		UG/L	0
MW104	MW10	TOTAL 1,2-DICHLOROETHENE	SW8260	5 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	63 =		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)	A4500	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
MW114	MW11	COBALT	SW6010	0 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

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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	U	UG/L	824
MW114	MW11	SELENIUM	SW6010	1.6	U	UG/L	1.6
MW114	MW11	SILVER	SW6010	0.5	U	UG/L	0.5
MW114	MW11	SODIUM	SW6010	18500	=	UG/L	114.2
MW114	MW11	THALLIUM	SW6010	1.6	U	UG/L	1.6
MW114	MW11	VANADIUM	SW6010	0.56	J	UG/L	0.31
MW114	MW11	ZINC	SW6010	4.4	U	UG/L	1.1
MW114	MW11	MERCURY	SW7470	0.1	U	UG/L	0.1
MW114	MW11	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW114	MW11	1,1,2-TETRACHLOROETHANE	SW8260	2	J	UG/L	10
MW114	MW11	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW114	MW11	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW114	MW11	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW114	MW11	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW114	MW11	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW114	MW11	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	102	=	UG/L	0
MW114	MW11	2-HEXANONE	SW8260	10	U	UG/L	10
MW114	MW11	ACETONE	SW8260	10	U	UG/L	10
MW114	MW11	BENZENE	SW8260	10	U	UG/L	10
MW114	MW11	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW114	MW11	BROMOFORM	SW8260	10	U	UG/L	10
MW114	MW11	BROMOMETHANE	SW8260	10	U	UG/L	10
MW114	MW11	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW114	MW11	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW114	MW11	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW114	MW11	CHLOROETHANE	SW8260	10	U	UG/L	10
MW114	MW11	CHLOROFORM	SW8260	2	J	UG/L	10
MW114	MW11	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW114	MW11	CB-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW114	MW11	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW114	MW11	DIBROMOFLUOROMETHANE	SW8260	97	=	UG/L	0
MW114	MW11	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW114	MW11	METHYLETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW114	MW11	METHYLISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW114	MW11	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW114	MW11	STYRENE	SW8260	10	U	UG/L	10
MW114	MW11	TETRACHLOROETHYLENE (PCE)	SW8260	5	J	UG/L	10
MW114	MW11	TOLUENE	SW8260	10	U	UG/L	10
MW114	MW11	TOLUENE-DB	SW8260	102	=	UG/L	0
MW114	MW11	TOTAL 1,2-DICHLOROETHENE	SW8260	8	J	UG/L	10

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quantifier	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 =		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	8200 =		UG/L	6.2
MW124	MW12	MANGANESE	SW6010	8.5 J		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 =		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	220 =		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	1,1-DICHLOROETHENE	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 U		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

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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	CS-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	CS-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

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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 U		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	170 U		UG/L	170
MW124B	MW12	TOLUENE	SW8260	51 J		UG/L	170
MW124B	MW12	TOLUENE-D8	SW8260	170 U		UG/L	170
MW124B	MW12	TOTAL 1,2-DICHLOROETHENE	SW8260	108		UG/L	170
MW124B	MW12	Total Xylenes	SW8260	200 =		UG/L	170
MW124B	MW12	trans-1,3-DICHLOROPROPENE	SW8260	170 U		UG/L	170
MW124B	MW12	TRICHLOROETHYLENE (TCE)	SW8260	170 U		UG/L	170
MW124B	MW12	VINYL CHLORIDE	SW8260	3200 =		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	1
MW134	MW13	ALUMINUM	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	0.48
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	1
MW134	MW13	COBALT	SW6010	3.1 J		UG/L	0.5
MW134	MW13	COPPER	SW6010	25.8 =		UG/L	1
MW134	MW13	IRON	SW6010	10400 J		UG/L	3.6
MW134	MW13	LEAD	SW6010	41.6 =		UG/L	1.3
MW134	MW13	MAGNESIUM	SW6010	7400 =		UG/L	6.2
MW134	MW13	MANGANESE	SW6010	204 =		UG/L	0.53
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	THALLIUM	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	1,1,2,2-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

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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	10.0		UG/L	10
MW134	MW13	1,2-DICHLOROETHANE	SW8260	10.0		UG/L	10
MW134	MW13	1,2-DICHLOROPROPANE	SW8260	10.0		UG/L	10
MW134	MW13	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	108		UG/L	0
MW134	MW13	2-HEXANONE	SW8260	10.0		UG/L	10
MW134	MW13	ACETONE	SW8260	10.0		UG/L	10
MW134	MW13	BENZENE	SW8260	10.0		UG/L	10
MW134	MW13	BROMODICHLOROMETHANE	SW8260	10.0		UG/L	10
MW134	MW13	BROMOFORM	SW8260	10.0		UG/L	10
MW134	MW13	BROMOMETHANE	SW8260	10.0		UG/L	10
MW134	MW13	CARBON DISULFIDE	SW8260	10.0		UG/L	10
MW134	MW13	CARBON TETRACHLORIDE	SW8260	10.0		UG/L	10
MW134	MW13	CHLOROBENZENE	SW8260	10.0		UG/L	10
MW134	MW13	CHLOROETHANE	SW8260	10.0		UG/L	10
MW134	MW13	CHLOROFORM	SW8260	10.0		UG/L	10
MW134	MW13	CHLOROMETHANE	SW8260	10.0		UG/L	10
MW134	MW13	CIS-1,3-DICHLOROPROPENE	SW8260	10.0		UG/L	10
MW134	MW13	DIBROMOCHLOROMETHANE	SW8260	10.0		UG/L	10
MW134	MW13	DIBROMOFUOROMETHANE	SW8260	104		UG/L	0
MW134	MW13	ETHYLENE	SW8260	10.0		UG/L	10
MW134	MW13	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10.0		UG/L	10
MW134	MW13	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10.0		UG/L	10
MW134	MW13	METHYLENE CHLORIDE	SW8260	10.0		UG/L	10
MW134	MW13	STYRENE	SW8260	10.0		UG/L	10
MW134	MW13	TETRACHLOROETHYLENE (PCE)	SW8260	2.0		UG/L	10
MW134	MW13	TOLUENE	SW8260	10.0		UG/L	10
MW134	MW13	TOLUENE-D8	SW8260	110		UG/L	0
MW134	MW13	TOTAL 1,2-DICHLOROETHENE	SW8260	10.0		UG/L	10
MW134	MW13	Total Xylenes	SW8260	10.0		UG/L	10
MW134	MW13	trans-1,3-DICHLOROPROPENE	SW8260	10.0		UG/L	10
MW134	MW13	TRICHLOROETHYLENE (TCE)	SW8260	10.0		UG/L	10
MW134	MW13	VINYL CHLORIDE	SW8260	10.0		UG/L	10
MW134	MW13	1,2,4-TRICHLOROBENZENE	SW8270	10.0		UG/L	10
MW134	MW13	1,2-DICHLOROBENZENE	SW8270	10.0		UG/L	10
MW134	MW13	1,3-DICHLOROBENZENE	SW8270	10.0		UG/L	10
MW134	MW13	1,4-DICHLOROBENZENE	SW8270	10.0		UG/L	10
MW134	MW13	2,2'-OXYBIS(1-CHLOROPROPANE)	SW8270	10.0		UG/L	10
MW134	MW13	2,4,6-TRICHLOROPHENOL	SW8270	50.0		UG/L	50
MW134	MW13	2,4,6-TRIBROMOPHENOL	SW8270	61		UG/L	0
MW134	MW13	2,4,6-TRICHLOROPHENOL	SW8270	10.0		UG/L	10
MW134	MW13	2,4-DICHLOROPHENOL	SW8270	10.0		UG/L	10
MW134	MW13	2,4-DIMETHYLPHENOL	SW8270	10.0		UG/L	10
MW134	MW13	2,4-DINITROPHENOL	SW8270	50.0		UG/L	50

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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	10 U		UG/L	10
MW134	MW13	BENZO(b)PYRENE	SW8270	2 J		UG/L	10
MW134	MW13	BENZO(d)FLUORANTHENE	SW8270	2 J		UG/L	10
MW134	MW13	BENZO(g,h,i)PERYLENE	SW8270	3 J		UG/L	10
MW134	MW13	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW134	MW13	BENZYL BUTYL PHTHALATE	SW8270	3 J		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-OCITYL PHTHALATE	SW8270	10 U		UG/L	10
MW134	MW13	DIBENZO(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW134	MW13	DIBENZO(furan)	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	5 J		UG/L	10
MW134	MW13	FLUORENE	SW8270	10 U		UG/L	10
MW134	MW13	HEXA CHLORO BENZENE	SW8270	10 U		UG/L	10

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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	INDENOX[1,2,3-c,d]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-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW134D	MW13	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW134D	MW13	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW134D	MW13	1,4-DICHLOROBENZENE	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	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
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-FLUOROPHENYL	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-DICHLOROBENZODIOLINE	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

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4th Quarter Groundwater Analytical Results

Sample ID	Well 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	11 U		UG/L	10
MW134D	MW13	BENZO(a)PYRENE	SW8270	11 U		UG/L	10
MW134D	MW13	BENZO(b)FLUORANTHENE	SW8270	2 U		UG/L	10
MW134D	MW13	BENZO(g,h,i)PERYLENE	SW8270	10 U		UG/L	10
MW134D	MW13	BENZO(k)FLUORANTHENE	SW8270	11 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	DIBENZ(a,h)ANTHRACENE	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	3 U		UG/L	10
MW134D	MW13	FLUORENE	SW8270	10 U		UG/L	10
MW134D	MW13	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW134D	MW13	HEXACHLOROCYCLOPENTADIENE	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	INDENO(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-DI-n-PROPYLAMINE	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	10
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	10

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW134D	MW13	PYRENE	SW8270	2 J		UG/L	10
MW134D	MW13	TERPHENYL-D14	SW8270	52		UG/L	0
MW14	MW14	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW14	MW14	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW14	MW14	1,1,2,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW14	MW14	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW14	MW14	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW14	MW14	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW14	MW14	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW14	MW14	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	10 U		UG/L	0
MW14	MW14	2-HEXANONE	SW8260	10 U		UG/L	10
MW14	MW14	ACETONE	SW8260	10 U		UG/L	10
MW14	MW14	BENZENE	SW8260	10 U		UG/L	10
MW14	MW14	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW14	MW14	BROMOFORM	SW8260	10 U		UG/L	10
MW14	MW14	BROMOMETHANE	SW8260	10 U		UG/L	10
MW14	MW14	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW14	MW14	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW14	MW14	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW14	MW14	CHLOROETHANE	SW8260	10 U		UG/L	10
MW14	MW14	CHLOROFORM	SW8260	10 U		UG/L	10
MW14	MW14	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW14	MW14	cis-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW14	MW14	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW14	MW14	DIBROMOFLUOROMETHANE	SW8260	10 U		UG/L	0
MW14	MW14	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW14	MW14	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW14	MW14	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW14	MW14	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW14	MW14	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW14	MW14	STYRENE	SW8260	10 U		UG/L	10
MW14	MW14	TETRACHLOROETHYLENE (PCE)	SW8260	10 U		UG/L	10
MW14	MW14	TOLUENE	SW8260	10 U		UG/L	10
MW14	MW14	TOLUENE-D8	SW8260	10 U		UG/L	0
MW14	MW14	TOTAL 1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW14	MW14	Total Xylenes	SW8260	10 U		UG/L	10
MW14	MW14	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW14	MW14	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW14	MW14	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW14	MW14	NITROGEN, AMMONIA (AS N)	E350.2	0.2 U		MG/L	0.2
MW14	MW14	NITROGEN, NITRATE-NITRITE	E353.2	4.91		MG/L	0.25
MW14	MW14	TOTAL ORGANIC CARBON	E415.2	1 U		MG/L	1
MW14	MW14	ALUMINUM	SW6010	367		UG/L	7.9
MW14	MW14	ANTIMONY	SW6010	1.8 J		UG/L	1.7

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quantifier	Units	Detection 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	824.5
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	SW7470	0.1 U		UG/L	0.1
MW144	MW14	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW144	MW14	1,1,2,2-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	DEBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Protect Qualifier	Units	Detection Limit
MW144	MW14	DIBROMOFLOUROMETHANE	SW8260	100		UG/L	0
MW144	MW14	ETHYLBENZENE	SW8260	100		UG/L	10
MW144	MW14	METHYLETHYL KETONE (2-BUTANONE)	SW8260	100		UG/L	10
MW144	MW14	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	100		UG/L	10
MW144	MW14	METHYLENE CHLORIDE	SW8260	100		UG/L	10
MW144	MW14	STYRENE	SW8260	100		UG/L	10
MW144	MW14	TETRACHLOROETHYLENE(PCE)	SW8260	100		UG/L	10
MW144	MW14	TOLUENE	SW8260	100		UG/L	10
MW144	MW14	TOLUENE-D8	SW8260	100		UG/L	0
MW144	MW14	TOTAL 1,2-DICHLOROETHENE	SW8260	100		UG/L	10
MW144	MW14	Total Xylenes	SW8260	100		UG/L	10
MW144	MW14	trans-1,3-DICHLOROPROPENE	SW8260	100		UG/L	10
MW144	MW14	TRICHLOROETHYLENE (TCE)	SW8260	100		UG/L	10
MW144	MW14	VINYL CHLORIDE	SW8260	100		UG/L	10
MW144	MW14	1,2,4-TRICHLOROBENZENE	SW8270	100		UG/L	10
MW144	MW14	1,2-DICHLOROBENZENE	SW8270	100		UG/L	10
MW144	MW14	1,3-DICHLOROBENZENE	SW8270	100		UG/L	10
MW144	MW14	1,4-DICHLOROBENZENE	SW8270	100		UG/L	10
MW144	MW14	2,2'-OXYBIS(1-CHLOROPROPANE)	SW8270	100		UG/L	10
MW144	MW14	2,4,5-TRICHLOROPHENOL	SW8270	500		UG/L	50
MW144	MW14	2,4,6-TRIBROMOPHENOL	SW8270	71		UG/L	0
MW144	MW14	2,4,6-TRICHLOROPHENOL	SW8270	100		UG/L	10
MW144	MW14	2,4-DICHLOROPHENOL	SW8270	100		UG/L	10
MW144	MW14	2,4-DIMETHYLPHENOL	SW8270	100		UG/L	10
MW144	MW14	2,4-DINITROPHENOL	SW8270	500		UG/L	50
MW144	MW14	2,4-DINITROTOUENE	SW8270	100		UG/L	10
MW144	MW14	2,6-DINITROTOUENE	SW8270	100		UG/L	10
MW144	MW14	2-CHLORONAPHTHALENE	SW8270	100		UG/L	10
MW144	MW14	2-CHLOROPHENOL	SW8270	100		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	100		UG/L	10
MW144	MW14	2-METHYLPHENOL (o-CRESOL)	SW8270	100		UG/L	10
MW144	MW14	2-NITROANILINE	SW8270	500		UG/L	50
MW144	MW14	2-NITROPHENOL	SW8270	100		UG/L	10
MW144	MW14	3,3'-DICHLOROBENZIDINE	SW8270	200		UG/L	20
MW144	MW14	3-NITROANILINE	SW8270	500		UG/L	50
MW144	MW14	4,6-DINITRO-2-METHYLPHENOL	SW8270	500		UG/L	50
MW144	MW14	4-BROMOPHENYL PHENYL ETHER	SW8270	100		UG/L	10
MW144	MW14	4-CHLORO-3-METHYLPHENOL	SW8270	100		UG/L	10
MW144	MW14	4-CHLOROANILINE	SW8270	100		UG/L	10
MW144	MW14	4-CHLOROPHENYL PHENYL ETHER	SW8270	100		UG/L	10
MW144	MW14	4-METHYLPHENOL (p-CRESOL)	SW8270	100		UG/L	10

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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	BENZ(a)ANTHRACENE	SW8270	10 U		UG/L	10
MW144	MW14	BENZ(a)PYRENE	SW8270	10 U		UG/L	10
MW144	MW14	BENZ(a)FLUORANTHENE	SW8270	10 U		UG/L	10
MW144	MW14	BENZ(a,h,i)PERYLENE	SW8270	10 U		UG/L	10
MW144	MW14	BENZ(a,k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW144	MW14	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW144	MW14	Di(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW144	MW14	Di(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW144	MW14	Di(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-OCYLPHTHALATE	SW8270	10 U		UG/L	10
MW144	MW14	DIBENZ(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW144	MW14	DIBENZOKURAN	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	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW144	MW14	INDENOL(1,2,3-c,d)PYRENE	SW8270	10 U		UG/L	10
MW144	MW14	ISOPHORONE	SW8270	10 U		UG/L	10
MW144	MW14	N-NITROSODIETHYLPROPYLENE	SW8270	10 U		UG/L	10
MW144	MW14	N-NITROSODIETHYLPROPYLENE	SW8270	10 U		UG/L	10
MW144	MW14	N-NITROSODIETHYLPROPYLENE	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	5 U		UG/L	5
MW144	MW14	PENTACHLOROPHENOL	SW8270	10 U		UG/L	10
MW144	MW14	PHENANTHRENE	SW8270	10 U		UG/L	10
MW144	MW14	PHENOL	SW8270	73		UG/L	10
MW144	MW14	PHENOL-D5	SW8270	10 U		UG/L	10
MW144	MW14	PRENE	SW8270	10 U		UG/L	10
MW144	MW14	TERPHENYL-D14	SW8270	87		UG/L	10
MW144	MW14	CHLORIDE (AS CL)	SW9056	7.4		MG/L	0.1
MW144	MW14	SULFATE (AS SO4)	SW9056	43.8		MG/L	0.1

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quantifier	Units	Detection Limit
MW144D	MW14	ALUMINUM	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	114.2
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	ALUMINUM	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	114.2
MW154	MW15	THALLIUM	SW6010	2 U		UG/L	1.6

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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	TOUENE	SW8260	10 U		UG/L	10
MW154	MW15	TOUENE-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	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
MW154	MW15	ALUMINUM	SW5010	315 =		UG/L	7.9
MW154	MW15	ANTIMONY	SW5010	1.7 U		UG/L	1.7
MW154	MW15	ARSENIC	SW5010	23 U		UG/L	1.4
MW154	MW15	BARIUM	SW5010	61.8 J		UG/L	0.48

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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 U		UG/L	0.085
MW164	MW16	CALCIUM	SW6010	3400 =		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 U		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 U		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 U		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	1,1,2,2-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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW164	MW16	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW164	MW16	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW164	MW16	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW164	MW16	STYRENE	SW8260	10 U		UG/L	10
MW164	MW16	TETRACHLOROETHYLENE (PCE)	SW8260	10 U		UG/L	10
MW164	MW16	TOLUENE	SW8260	10 U		UG/L	10
MW164	MW16	TOLUENE-D8	SW8260	10 U		UG/L	10
MW164	MW16	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW164	MW16	Total Xylenes	SW8260	10 U		UG/L	10
MW164	MW16	Trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW164	MW16	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW164	MW16	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW164	MW16	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW164	MW16	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW164	MW16	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW164	MW16	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW164	MW16	2,2'-OXYBIS(1-CHLOROPROPANE)	SW8270	10 U		UG/L	10
MW164	MW16	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW164	MW16	2,4,6-TRIBROMOPHENOL	SW8270	57		UG/L	0
MW164	MW16	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW164	MW16	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW164	MW16	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW164	MW16	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW164	MW16	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW164	MW16	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW164	MW16	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW164	MW16	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW164	MW16	2-FLUOROBIPHENYL	SW8270	51		UG/L	0
MW164	MW16	2-FLUOROPHENOL	SW8270	40		UG/L	0
MW164	MW16	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW164	MW16	2-METHYLPHENOL (o-CRESOL)	SW8270	10 U		UG/L	10
MW164	MW16	2-NITROANILINE	SW8270	50 U		UG/L	50
MW164	MW16	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW164	MW16	3,3'-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW164	MW16	3-NITROANILINE	SW8270	50 U		UG/L	50
MW164	MW16	4,4-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW164	MW16	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW164	MW16	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW164	MW16	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW164	MW16	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW164	MW16	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW164	MW16	4-NITROANILINE	SW8270	50 U		UG/L	50
MW164	MW16	4-NITROPHENOL	SW8270	50 U		UG/L	50

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quarter	Units	Detection 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	BENZOFDANTHRACENE	SW8270	10 U		UG/L	10
MW164	MW16	BENZOKYPIRENE	SW8270	10 U		UG/L	10
MW164	MW16	BENZOFDIFLORANTHENE	SW8270	10 U		UG/L	10
MW164	MW16	BENZOFDIPYRENE	SW8270	10 U		UG/L	10
MW164	MW16	BENZOFDIFLORANTHENE	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 U		UG/L	10
MW164	MW16	DI-n-OCYLPHTHALATE	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	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW164	MW16	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW164	MW16	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW164	MW16	INDENOX(1,2,3-c)PYRENE	SW8270	10 U		UG/L	10
MW164	MW16	ISOPHORENE	SW8270	10 U		UG/L	10
MW164	MW16	N-NITROSDI-N-PROPYLAMINE	SW8270	10 U		UG/L	10
MW164	MW16	N-NITROSDIPHENYLAMINE	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-D6	SW8270	57		UG/L	0
MW164	MW16	PENTACHLOROPHENOL	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

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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	0.095
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	4980 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	6910 =		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-DICHLOROETHANE	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	110		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	DIBROMOFUOROMETHANE	SW8260	102		UG/L	0
MW194	MW19	ETHYLBENZENE	SW8260	10 U		UG/L	10

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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	10 U		UG/L	10
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-DICHLOROETHENE	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	10
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	DIBROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW20	MW20	DIBROMOFLUOROMETHANE	SW8260	10 U		UG/L	10
MW20	MW20	ETHYLBENZENE	SW8260	10 U		UG/L	10
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	10

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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	13400 =		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	BROMOCHLOROMETHANE	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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quantifier	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	cis-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW204	MW20	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW204	MW20	ETHYLENE	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	10
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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Protect 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(a)PYRENE	SW8270	10 U		UG/L	10
MW204	MW20	BENZO(b)FLUORANTHENE	SW8270	10 U		UG/L	10
MW204	MW20	BENZO(g,h,i)PERYLENE	SW8270	10 U		UG/L	10
MW204	MW20	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW204	MW20	BENZYL BUTYL PHTHALATE	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-OCTYLPHTHALATE	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	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW204	MW20	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW204	MW20	INDENOX 1,2,3-c, dPYRENE	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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Protect 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	TERPHENYL-D14	SW8270	75		UG/L	0
MW204D	MW20	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW204D	MW20	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW204D	MW20	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW204D	MW20	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW204D	MW20	2,2-DIMETHYL-2-CHLOROPROPANE	SW8270	10 U		UG/L	10
MW204D	MW20	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW204D	MW20	2,4,6-TRIBROMOPHENOL	SW8270	67		UG/L	0
MW204D	MW20	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW204D	MW20	2,4-DICHLOROPHENOL	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-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW204D	MW20	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW204D	MW20	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW204D	MW20	2-CHLOROPHENOL	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-DICHLOROBENZIDINE	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-CHLOROPHENYL 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	10 U		UG/L	10
MW204D	MW20	ACENAPHTHENE	SW8270	50 U		UG/L	50
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(a)PYRENE	SW8270	10 U		UG/L	10
MW204D	MW20	BENZO(b)FLUORANTHENE	SW8270	10 U		UG/L	10
MW204D	MW20	BENZO(g,h,i)PERYLENE	SW8270	10 U		UG/L	10

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Protect 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	Dih-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW204D	MW20	Dih-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-NITROSODI-N-PROPYLAMINE	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	77		UG/L	0
MW204D	MW20	NITROBENZENE-O5	SW8270	50		UG/L	5
MW204D	MW20	PENTACHLOROPHENOL	SW8270	10 U		UG/L	10
MW204D	MW20	PHENANTHRENE	SW8270	10 U		UG/L	10
MW204D	MW20	PHENOL	SW8270	73		UG/L	0
MW204D	MW20	PHENOL-O5	SW8270	10 U		UG/L	10
MW204D	MW20	PYRENE	SW8270	10 U		UG/L	10
MW204D	MW20	TERPHENYL-O14	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	49.6 J		UG/L	0.46
MW214	MW21	BERYLLIUM	SW6010	0.02 U		UG/L	0.02

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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	139 =		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	1,1,2,2-TETRACHLOROETHANE	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-DICHLOROETHENE	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	CS-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW214	MW21	DIBROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW214	MW21	DIBROMODIFLUOROMETHANE	SW8260	103		UG/L	0
MW214	MW21	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW214	MW21	METHYLETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10

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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-DICHLORO-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-FLUOROBIPHENYL	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	10 U		UG/L	10
MW214	MW21	4-NITROANILINE	SW8270	50 U		UG/L	50
MW214	MW21	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW214	MW21	ACENAPHTHENE	SW8270	10 U		UG/L	10

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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(a)PYRENE	SW8270	10 U		UG/L	10
MW214	MW21	BENZO(b)FLUORANTHENE	SW8270	10 U		UG/L	10
MW214	MW21	BENZO(g)FLUORANTHENE	SW8270	10 U		UG/L	10
MW214	MW21	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW214	MW21	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW214	MW21	bis(2-CHLOROETHYL) 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-ETHYL-HEXYL) 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-NITROSO-DI-N-PROPYLAMINE	SW8270	10 U		UG/L	10
MW214	MW21	N-NITROSO-DI-N-PROPYLAMINE	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	10
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	10
MW214	MW21	PYRENE	SW8270	10 U		UG/L	10
MW214	MW21	TERPHENYL-D14	SW8270	60		UG/L	10
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

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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	0.25
MW224	MW22	ETHENE	SW3810	0.79 U		UG/L	0.29
MW224	MW22	METHANE	SW3810	2.2 =		UG/L	0.31
MW224	MW22	ALUMINUM	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	1,1,2,2-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	1,2-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	CHLOROBENZENE	SW8260	10 U		UG/L	10

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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	10 U		UG/L	10
MW224	MW22	ETHYLBENZENE	SW8260	95		UG/L	0
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	10 U		UG/L	10
MW224	MW22	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	0
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'-DICHLOROBENZIDINE	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

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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	BENZOFULVORANTHENE	SW8270	10 U		UG/L	10
MW224	MW22	BENZOFULVORANTHENE	SW8270	10 U		UG/L	10
MW224	MW22	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW224	MW22	BK(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW224	MW22	BK(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW224	MW22	BK(2-ETHYL-HEXYL) 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-OCYLPHTHALATE	SW8270	2 U		UG/L	10
MW224	MW22	DIBENZ(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW224	MW22	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW224	MW22	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW224	MW22	DIMETHYL 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	INDENOL(1,2,3-c,d)PYRENE	SW8270	10 U		UG/L	10
MW224	MW22	ISOPHORONE	SW8270	10 U		UG/L	10
MW224	MW22	N-NITRODIDIPROPYLAMINE	SW8270	10 U		UG/L	10
MW224	MW22	N-NITRODIPHENYLAMINE	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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW224	MW22	PHENOL-DS	SW8270	70		UG/L	0
MW224	MW22	PYRENE	SW8270	10 U		UG/L	10
MW224	MW22	TERPHENYL-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		MG/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	1
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		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	14000		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-DICHLOROETHANE	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 (4-BROMOFLUOROBENZENE)	SW8260	105		UG/L	0
MW234	MW23	2-HEXANONE	SW8260	10 U		UG/L	10

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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	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW234	MW23	DIBROMODICHLOROMETHANE	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	10 U		UG/L	10
MW234	MW23	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
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

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Protect Qualifier	Units	Detection Limit
MW234	MW23	2-FLUOROPHENOL	SW8270	61		UG/L	0
MW234	MW23	2-METHYLNAPHTHALENE	SW8270	10.0		UG/L	10
MW234	MW23	2-METHYPHENOL (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	BENZO(a)ANTHRACENE	SW8270	10.0		UG/L	10
MW234	MW23	BENZO(b)PYRENE	SW8270	10.0		UG/L	10
MW234	MW23	BENZO(k)FLUORANTHENE	SW8270	10.0		UG/L	10
MW234	MW23	BENZO(g,h,i)PERYLENE	SW8270	10.0		UG/L	10
MW234	MW23	BENZO(a)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-ETHYL-HEXYL) 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-OCTYL PHTHALATE	SW8270	10.0		UG/L	10
MW234	MW23	DIBENZO(a,h)ANTHRACENE	SW8270	10.0		UG/L	10
MW234	MW23	DIBENZO(f,g)ANTHRACENE	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	INDENOX(1,2,3-c,d)PYRENE	SW8270	10.0		UG/L	10
MW234	MW23	ISOPHTHORENE	SW8270	10.0		UG/L	10

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quotient	Units	Detection Limit
MW234	MW23	N-NITROSODI-N-PROPYLAMINE	SW8270	10 U		UG/L	10
MW234	MW23	N-NITROSODIPHENYLAMINE	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	10
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	10
MW234	MW23	PYRENE	SW8270	10 U		UG/L	10
MW234	MW23	TERPHENYL-D14	SW8270	67		UG/L	10
MW234	MW23	CHLORIDE (AS CL)	SW9056	20.4 =		MG/L	0.1
MW234	MW23	SULFATE (AS SO4)	SW9056	15.7 =		MG/L	0.1
MW244	MW24	ALUMINUM	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	BARIUM	SW6010	31.2 J		UG/L	0.48
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

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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	CHL-1,3-DICHLOROPROPENE	SW8260	10U		UG/L	10
MW244	MW24	DIBROMOCHLOROMETHANE	SW8260	10U		UG/L	10
MW244	MW24	DIBROMOFLUOROMETHANE	SW8260	95		UG/L	10
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-DICHLOROETHYLENE	SW8270	10U		UG/L	10
MW244	MW24	2,4,5-TRICHLOROPHENOL	SW8270	50U		UG/L	50
MW244	MW24	2,4,6-TRICHLOROPHENOL	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

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4th Quarter Groundwater Analytical Results

Sample ID	System ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW244	MW24	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW244	MW24	2-FLUOROBIPHENYL	SW8270	80		UG/L	0
MW244	MW24	2-FLUOROPHENOL	SW8270	72		UG/L	0
MW244	MW24	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW244	MW24	2-METHYLPHENOL (o-CRESOL)	SW8270	10 U		UG/L	10
MW244	MW24	2-NITROANILINE	SW8270	50 U		UG/L	90
MW244	MW24	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW244	MW24	3,3'-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW244	MW24	3-NITROANILINE	SW8270	50 U		UG/L	50
MW244	MW24	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW244	MW24	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW244	MW24	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW244	MW24	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW244	MW24	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW244	MW24	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW244	MW24	4-NITROANILINE	SW8270	50 U		UG/L	50
MW244	MW24	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW244	MW24	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW244	MW24	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW244	MW24	ANTHRACENE	SW8270	10 U		UG/L	10
MW244	MW24	BENZO(a)ANTHRACENE	SW8270	10 U		UG/L	10
MW244	MW24	BENZO(b)PYRENE	SW8270	10 U		UG/L	10
MW244	MW24	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW244	MW24	BENZO(k)PYRENE	SW8270	10 U		UG/L	10
MW244	MW24	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW244	MW24	Di(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW244	MW24	Di(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW244	MW24	Di(2-ETHYLHEXYL) PHTHALATE	SW8270	3 U		UG/L	10
MW244	MW24	CARBAZOLE	SW8270	10 U		UG/L	10
MW244	MW24	CHRYSENE	SW8270	10 U		UG/L	10
MW244	MW24	D,n-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW244	MW24	D,n-OCYLPHTHALATE	SW8270	10 U		UG/L	10
MW244	MW24	DIBENZO(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW244	MW24	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW244	MW24	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW244	MW24	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW244	MW24	FLUORANTHENE	SW8270	10 U		UG/L	10
MW244	MW24	FLUORENE	SW8270	10 U		UG/L	10
MW244	MW24	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW244	MW24	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW244	MW24	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW244	MW24	HEXACHLOROTHANE	SW8270	10 U		UG/L	10

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4th Quarter Groundwater Analytical Results

Sample ID #	Station ID #	Analyte Parameter	Analytical Method	Value	Protect Qualifier	Units	Detection Limit
MW244	MW24	INDENOL 1,2,3-c,6-PYRENE	SW8270	10 U		UG/L	10
MW244	MW24	ISOPHORONE	SW8270	10 U		UG/L	10
MW244	MW24	N-NITROSODIPROPYLAMINE	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	10 U		UG/L	10
MW244	MW24	PENTACHLOROPHENOL	SW8270	93		UG/L	0
MW244	MW24	PHENANTHRENE	SW8270	5 U		UG/L	5
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 J		UG/L	0.48
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

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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	CIS-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW254	MW25	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW254	MW25	DIOMOFUOROMETHANE	SW8260	97		UG/L	0
MW254	MW25	ETHYLBENZENE	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	SW8260	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-OXYBIS(1-CHLOROPROPANE)	SW8270	10 U		UG/L	10
MW254	MW25	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW254	MW25	2,4,6-TRIBROMOPHENOL	SW8270	59		UG/L	0
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

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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	50 U		UG/L	50
MW254	MW25	4-NITROANILINE	SW8270	50 U		UG/L	50
MW254	MW25	4-NITROPHENOL	SW8270	10 U		UG/L	10
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(b)PYRENE	SW8270	10 U		UG/L	10
MW254	MW25	BENZO(g)FLUORANTHENE	SW8270	10 U		UG/L	10
MW254	MW25	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW254	MW25	BENZO(a,h)PERYLENE	SW8270	10 U		UG/L	10
MW254	MW25	BENZO(i)FLUORANTHENE	SW8270	10 U		UG/L	10
MW254	MW25	BENZYL BUTYL PHTHALATE	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	Dih-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW254	MW25	Dih-P-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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Protect QualBar	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-NITROSDI-N-PROPYLAMINE	SW8270	10 U		UG/L	10
MW254	MW25	N-NITROSDI-PHENYLAMINE	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	10
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
MW254	MW26	ALUMINUM	SW6010	163 U		UG/L	7.9
MW254	MW26	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW254	MW26	ARSENIC	SW6010	1.5 U		UG/L	1.4
MW254	MW26	BERIUM	SW6010	163 J		UG/L	0.48
MW254	MW26	CADMIUM	SW6010	0.06 U		UG/L	0.025
MW254	MW26	CALCIUM	SW6010	0.1 U		UG/L	0.1
MW254	MW26	CHROMIUM TOTAL	SW6010	18600 =		UG/L	23.7
MW254	MW26	COBALT	SW6010	2.8 J		UG/L	1
MW254	MW26	COPPER	SW6010	0.5 U		UG/L	0.5
MW254	MW26	IRON	SW6010	1 U		UG/L	1
MW254	MW26	LEAD	SW6010	1180 =		UG/L	3.6
MW254	MW26	MAGNESIUM	SW6010	1.3 U		UG/L	1.3
MW254	MW26	MANGANESE	SW6010	9330 =		UG/L	6.2
MW254	MW26	NICKEL	SW6010	18.6 =		UG/L	0.53
MW254	MW26	POTASSIUM	SW6010	0.3 U		UG/L	0.3
MW254	MW26	SELENIUM	SW6010	1540 J		UG/L	824.5
MW254	MW26	SILVER	SW6010	2 U		UG/L	1.6
MW254	MW26	SODIUM	SW6010	0.5 U		UG/L	0.5
MW254	MW26	THALLIUM	SW6010	28300 =		UG/L	114.2
MW254	MW26	VANADIUM	SW6010	1.9 U		UG/L	1.8
MW254	MW26	ZINC	SW6010	2 J		UG/L	0.31
MW254	MW26	MERCURY	SW7470	7.9 U		UG/L	1.1
MW254	MW26	1,1,1-TRICHLOROETHANE	SW8260	0.1 U		UG/L	0.1
MW254	MW26	1,1,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW254	MW26	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW254	MW26	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW254	MW26	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW254	MW26	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW254	MW26	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Protect Qualifier	Units	Detection Limit
MW264	MW26	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	108		UG/L	0
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	10 U		UG/L	10
MW264	MW26	CHLOROMETHANE	SW8260	2 J		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	0
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	0
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	17 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	0.035
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

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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	0.63 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-DIMETHYL-2-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	10 U		UG/L	10
MW284	MW28	2-FLUOROPHENOL	SW8270	10 U		UG/L	10
MW284	MW28	2-METHYLNAPHTHALENE	SW8270	50		UG/L	0
MW284	MW28	2-METHYLPHENOL (O-CRESOL)	SW8270	39		UG/L	0
MW284	MW28	2-NITROANILINE	SW8270	10 U		UG/L	10
MW284	MW28	2-NITROPHENOL	SW8270	50 U		UG/L	50
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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Test Value	Protect Quantity	Units	Detection Limit
MW284	MW28	BENZOXANTHRACENE	SW8270	10 U		UG/L	10
MW284	MW28	BENZOPYRENE	SW8270	10 U		UG/L	10
MW284	MW28	BENZOFULVANTHENE	SW8270	10 U		UG/L	10
MW284	MW28	BENZOKANTHRENE	SW8270	10 U		UG/L	10
MW284	MW28	BENZOFULVANTHENE	SW8270	10 U		UG/L	10
MW284	MW28	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW284	MW28	BIS(2-CHLOROETHYL) METHANE	SW8270	10 U		UG/L	10
MW284	MW28	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW284	MW28	BIS(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	DIN-BUTYL PHTHALATE	SW8270	3 U		UG/L	10
MW284	MW28	DIN-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-cd)PYRENE	SW8270	10 U		UG/L	10
MW284	MW28	ISOPHORONE	SW8270	10 U		UG/L	10
MW284	MW28	N-NITROSO-DI-N-PROPYLAMINE	SW8270	10 U		UG/L	10
MW284	MW28	N-NITROSO-DI-PHENYLAMINE	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	31		UG/L	0
MW284	MW28	PHENOL-DS	SW8270	10 U		UG/L	10
MW284	MW28	PHRENE	SW8270	83		UG/L	0
MW284	MW28	TERPHENYL-D14	SW8270	306		UG/L	7.9
MW284	MW28	ALUMINUM	SW6010	1.7 U		UG/L	1.7
MW284	MW28	ANTIMONY	SW6010	2.1 U		UG/L	1.4
MW284	MW28	ARSENIC	SW6010	10 U		UG/L	0.48
MW284	MW28	BARIUM	SW6010	0.02 U		UG/L	0.02
MW284	MW28	BERYLLIUM	SW6010	0.1 U		UG/L	0.1
MW284	MW28	CADMIUM	SW6010	26300		UG/L	23
MW284	MW28	CALCIUM	SW6010			UG/L	

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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	0.5 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-DICHLOROETHANE	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	DIBROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW294	MW29	DIBROMODICHLOROMETHANE	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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW294	MW29	STYRENE	SW8260	10 U		UG/L	10
MW294	MW29	TETRACHLOROETHYLENE(PCE)	SW8260	37		UG/L	10
MW294	MW29	TOLUENE	SW8260	10 U		UG/L	10
MW294	MW29	TOLUENE-DB	SW8260	105		UG/L	0
MW294	MW29	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW294	MW29	Total Xylenes	SW8260	10 U		UG/L	10
MW294	MW29	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW294	MW29	TRICHLOROETHYLENE (TCE)	SW8260	17		UG/L	10
MW294	MW29	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW294	MW29	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW294	MW29	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW294	MW29	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW294	MW29	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW294	MW29	2,2-DIOXYBIS(4-CHLOROPROPANE)	SW8270	10 U		UG/L	10
MW294	MW29	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW294	MW29	2,4,6-TRIBROMOPHENOL	SW8270	65		UG/L	0
MW294	MW29	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW294	MW29	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW294	MW29	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW294	MW29	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW294	MW29	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW294	MW29	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW294	MW29	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW294	MW29	2-CHLOROPHENOL	SW8270	73		UG/L	0
MW294	MW29	2-FLUOROBIPHENYL	SW8270	63		UG/L	0
MW294	MW29	2-FLUOROPHENOL	SW8270	10 U		UG/L	10
MW294	MW29	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW294	MW29	2-METHYLPHENOL (o-CRESOL)	SW8270	10 U		UG/L	10
MW294	MW29	2-NITROANILINE	SW8270	50 U		UG/L	50
MW294	MW29	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW294	MW29	3,3-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW294	MW29	3-NITROANILINE	SW8270	50 U		UG/L	50
MW294	MW29	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW294	MW29	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW294	MW29	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW294	MW29	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW294	MW29	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW294	MW29	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW294	MW29	4-NITROANILINE	SW8270	50 U		UG/L	50
MW294	MW29	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW294	MW29	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW294	MW29	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW294	MW29	ANTHRACENE	SW8270	10 U		UG/L	10

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW294	MW29	BENZOXANTHRACENE	SW8270	10 U		UG/L	10
MW294	MW29	BENZOPYRENE	SW8270	10 U		UG/L	10
MW294	MW29	BENZOFURANTHENE	SW8270	10 U		UG/L	10
MW294	MW29	BENZOGUANIDINE	SW8270	10 U		UG/L	10
MW294	MW29	BENZOFURANTHENE	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	DIBUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW294	MW29	DIOCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW294	MW29	DIBENZ(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-4-PROPYLAMINE	SW8270	10 U		UG/L	10
MW294	MW29	N-NITROSO-DIPHENYLAMINE	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 Q14	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	ALUMINUM	SW6010	93.2 U		UG/L	7.9

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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	2460 =		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	1360 =		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	2100 =		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	1,1,2,2-TETRACHLOROETHANE	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-DICHLOROETHENE	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-BROMOCHLOROBENZENE)	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	CHLOROBENZENE	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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW304	MW30	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW304	MW30	DIBROMOFUOROMETHANE	SW8260	10 U		UG/L	10
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	10
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-DIMETHYL-2-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	10
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-FLUOROBIPHENYL	SW8270	10 U		UG/L	10
MW304	MW30	2-FLUOROPHENOL	SW8270	50		UG/L	10
MW304	MW30	2-METHYLNAPHTHALENE	SW8270	45		UG/L	10
MW304	MW30	2-METHYLPHENOL (O-CRESOL)	SW8270	10 U		UG/L	10
MW304	MW30	2-NITROANILINE	SW8270	10 U		UG/L	10
MW304	MW30	2-NITROPHENOL	SW8270	50 U		UG/L	50
MW304	MW30	3,3'-DICHLOROBENZIDINE	SW8270	10 U		UG/L	10
MW304	MW30	3-NITROANILINE	SW8270	20 U		UG/L	20
MW304	MW30	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW304	MW30	4-BROMOPHENYL PHENYL ETHER	SW8270	50 U		UG/L	50
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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	LC Value	Project Quantities	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-ETHYLENE DIOL 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	DIBENZO(a,h)ANTHRACENE	SWB270	4 U		UG/L	10
MW304	MW30	DIBENZO(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	ISOPHTHALENE	SWB270	10 U		UG/L	10
MW304	MW30	N-NITROSO(1-n-PROPYLAMINE	SWB270	10 U		UG/L	10
MW304	MW30	N-NITROSO(1-n-PROPYLAMINE	SWB270	10 U		UG/L	10
MW304	MW30	NAPHTHALENE	SWB270	10 U		UG/L	10
MW304	MW30	NITROBENZENE	SWB270	10 U		UG/L	10
MW304	MW30	NITROBENZENE-DS	SWB270	64		UG/L	0
MW304	MW30	PENTACHLOROPHENOL	SWB270	5 U		UG/L	5
MW304	MW30	PHENANTHRENE	SWB270	10 U		UG/L	10
MW304	MW30	PHENOL	SWB270	10 U		UG/L	10
MW304	MW30	PHENOL-DS	SWB270	37		UG/L	0
MW304	MW30	PYRENE	SWB270	10 U		UG/L	10
MW304	MW30	TERPHENYL-D14	SWB270	80		UG/L	0
MW304	MW30	CHLORIDE (AS CL)	SW9556	31.3 =		MG/L	0.1

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Protect Qualifier	Units	Detection Limit
MW304	MW30	SULFATE (AS SO ₄)	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	ETHENE	SW3810	1.04 U		UG/L	1.04
MW314	MW31	METHANE	SW3810	0.54 U		UG/L	0.54
MW314	MW31	ALUMINUM	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	0.095
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	1,1,2,2-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-DICHLOROPROPANE	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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Protective 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 U		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 U		UG/L	25
MW314	MW31	CHLOROMETHANE	SW8260	25 U		UG/L	25
MW314	MW31	CHL-1,3-DICHLOROPROPENE	SW8260	25 U		UG/L	25
MW314	MW31	DIBROMOCHLOROMETHANE	SW8260	25 U		UG/L	25
MW314	MW31	DIBROMOFUOROMETHANE	SW8260	10 U		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	100		UG/L	0
MW314	MW31	Total Xylene	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-DIMETHYL-CHLOROPROPANE	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

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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'-DICHLOROBENZIDINE	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(a)PYRENE	SW8270	10 U		UG/L	10
MW314	MW31	BENZO(b)FLUORANTHENE	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-CHLOROETHYL 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	INDENOX(1,2,3-c,d)PYRENE	SW8270	10 U		UG/L	10
MW314	MW31	ISOPHTHENE	SW8270	10 U		UG/L	10
MW314	MW31	N-NITRODIOH-PROPYLAMINE	SW8270	10 U		UG/L	10
MW314	MW31	N-NITRODIOH-PROPYLAMINE	SW8270	10 U		UG/L	10
MW314	MW31	NAPHTHALENE	SW8270	10 U		UG/L	10
MW314	MW31	NITROBENZENE	SW8270	10 U		UG/L	10

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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	50		UG/L	5
MW314	MW31	PHENANTHRENE	SW8270	100		UG/L	10
MW314	MW31	PHENOL	SW8270	100		UG/L	10
MW314	MW31	PHENOL O5	SW8270	33		UG/L	0
MW314	MW31	PYRENE	SW8270	100		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	E10.1	36		MG/L	3
MW324	MW32	NITROGEN, AMMONIA (AS N)	E350.2	0.20		MG/L	0.2
MW324	MW32	NITROGEN, NITRATE-NITRITE	E353.2	4.04		MG/L	0.5
MW324	MW32	TOTAL ORGANIC CARBON	E415.2	10		MG/L	1
MW324	MW32	ETHANE	SW3810	0.610		UG/L	0.61
MW324	MW32	ETHENE	SW3810	0.650		UG/L	0.65
MW324	MW32	METHANE	SW3810	0.320		UG/L	0.32
MW324	MW32	ALUMINUM	SW6010	35.40		UG/L	7.9
MW324	MW32	ANTIMONY	SW6010	1.80		UG/L	1.7
MW324	MW32	ARSENIC	SW6010	1.50		UG/L	1.4
MW324	MW32	BARIUM	SW6010	1570		UG/L	0.45
MW324	MW32	BERYLLIUM	SW6010	0.020		UG/L	0.02
MW324	MW32	CADMIUM	SW6010	0.20		UG/L	0.085
MW324	MW32	CALCIUM	SW6010	76500		UG/L	23.7
MW324	MW32	CHROMIUM, TOTAL	SW6010	2.60		UG/L	1
MW324	MW32	COBALT	SW6010	4.40		UG/L	0.5
MW324	MW32	COPPER	SW6010	2.90		UG/L	1
MW324	MW32	IRON	SW6010	90.60		UG/L	3.0
MW324	MW32	LEAD	SW6010	1.30		UG/L	1.3
MW324	MW32	MAGNESIUM	SW6010	18200		UG/L	0.2
MW324	MW32	MANGANESE	SW6010	1860		UG/L	0.53
MW324	MW32	NICKEL	SW6010	1.70		UG/L	0.32
MW324	MW32	POTASSIUM	SW6010	13400		UG/L	824.5
MW324	MW32	SELENIUM	SW6010	1.60		UG/L	1.6
MW324	MW32	SILVER	SW6010	0.50		UG/L	0.5
MW324	MW32	SODIUM	SW6010	23300		UG/L	114.2
MW324	MW32	THALLIUM	SW6010	3.70		UG/L	1.6
MW324	MW32	VANADIUM	SW6010	0.30		UG/L	0.3
MW324	MW32	ZINC	SW6010	9.40		UG/L	1.1
MW324	MW32	MERCURY	SW7470	0.21		UG/L	0.1
MW324	MW32	1,1,1-TRICHLOROETHANE	SW8260	100		UG/L	10
MW324	MW32	1,1,2,2-TETRACHLOROETHANE	SW8260	140		UG/L	10

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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	DIBROMOFUOROMETHANE	SW8260	10 U		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	STYRENE	SW8260	10 U		UG/L	10
MW324	MW32	TETRACHLOROETHYLENE (PCE)	SW8260	1 U		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	ALUMINUM	SW6010	360 =		UG/L	7.9
MW334	MW33	ANTIMONY	SW6010	1.7 U		UG/L	1.7

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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	1,1,2,2-TETRACHLOROETHANE	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	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW334	MW33	1,2-DICHLOROPROPANE	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	CH-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW334	MW33	DIBROMODICHLOROMETHANE	SW8260	10 U		UG/L	10

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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	102		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
MW334	MW34	NITROGEN, AMMONIA (AS N)	E350.2	0.2 U		MG/L	0.2
MW334	MW34	NITROGEN, NITRATE-NITRITE	E353.2	4.79		MG/L	0.25
MW334	MW34	TOTAL ORGANIC CARBON	E415.2	1 U		MG/L	1
MW334	MW34	ALUMINUM	SW6010	24.1 J		UG/L	7.9
MW334	MW34	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW334	MW34	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW334	MW34	BARIUM	SW6010	115 J		UG/L	0.48
MW334	MW34	BERYLLIUM	SW6010	0.11 U		UG/L	0.025
MW334	MW34	CADMIUM	SW6010	0.1 U		UG/L	0.1
MW334	MW34	CALCIUM	SW6010	11400		UG/L	23.7
MW334	MW34	CHROMIUM, TOTAL	SW6010	3.2 U		UG/L	1
MW334	MW34	COBALT	SW6010	5.3 U		UG/L	0.5
MW334	MW34	COPPER	SW6010	2.3 U		UG/L	1
MW334	MW34	IRON	SW6010	80.8 U		UG/L	3.6
MW334	MW34	LEAD	SW6010	1.3 U		UG/L	1.3
MW334	MW34	MAGNESIUM	SW6010	5590		UG/L	6.2
MW334	MW34	MANGANESE	SW6010	0.92 J		UG/L	0.53
MW334	MW34	NICKEL	SW6010	0.71 U		UG/L	0.32
MW334	MW34	POTASSIUM	SW6010	824 U		UG/L	824
MW334	MW34	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW334	MW34	SILVER	SW6010	0.5 U		UG/L	0.5
MW334	MW34	SODIUM	SW6010	9630		UG/L	114.2
MW334	MW34	THALLIUM	SW6010	2.5 U		UG/L	1.6
MW334	MW34	VANADIUM	SW6010	0.47 J		UG/L	0.31
MW334	MW34	ZINC	SW6010	8.7 U		UG/L	1.1
MW334	MW34	MERCURY	SW7470	0.1 U		UG/L	0.1
MW334	MW34	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW334	MW34	1,1,2-TRICHLOROETHANE	SW8260	2 J		UG/L	10
MW334	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	DIBROMOFUOROMETHANE	SW8260	10 U		UG/L	10
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-D8	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	1,2-DICHLOROBENZENE	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-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW344	MW34	2,2-DICHLOROPROPANE	SW8270	10 U		UG/L	10
MW344	MW34	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW344	MW34	2,4,6-TRICHLOROPHENOL	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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Units	Detection Limit
MW344	MW34	2,4-DINITROPHENOL	SW8270	50 U	UG/L	50
MW344	MW34	2,4-DINITROTOLUENE	SW8270	10 U	UG/L	10
MW344	MW34	2,6-DINITROTOLUENE	SW8270	10 U	UG/L	10
MW344	MW34	2-CHLORONAPHTHALENE	SW8270	10 U	UG/L	10
MW344	MW34	2-CHLOROPHENOL	SW8270	10 U	UG/L	10
MW344	MW34	2-FLUOROBIPHENYL	SW8270	66	UG/L	6
MW344	MW34	2-FLUOROPHENOL	SW8270	59	UG/L	0
MW344	MW34	2-METHYLNAPHTHALENE	SW8270	10 U	UG/L	10
MW344	MW34	2-METHYLPHENOL (O-CRESOL)	SW8270	10 U	UG/L	10
MW344	MW34	2-NITROANILINE	SW8270	50 U	UG/L	50
MW344	MW34	2-NITROPHENOL	SW8270	10 U	UG/L	10
MW344	MW34	3,3'-DICHLOROBENZIDINE	SW8270	20 U	UG/L	20
MW344	MW34	3-NITROANILINE	SW8270	50 U	UG/L	50
MW344	MW34	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U	UG/L	50
MW344	MW34	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U	UG/L	10
MW344	MW34	4-CHLORO-3-METHYLPHENOL	SW8270	10 U	UG/L	10
MW344	MW34	4-CHLOROANILINE	SW8270	10 U	UG/L	10
MW344	MW34	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U	UG/L	10
MW344	MW34	4-METHYLPHENOL (P-CRESOL)	SW8270	10 U	UG/L	10
MW344	MW34	4-NITROANILINE	SW8270	50 U	UG/L	50
MW344	MW34	4-NITROPHENOL	SW8270	50 U	UG/L	50
MW344	MW34	ACENAPHTHENE	SW8270	10 U	UG/L	10
MW344	MW34	ACENAPHTHYLENE	SW8270	10 U	UG/L	10
MW344	MW34	ANTHRACENE	SW8270	10 U	UG/L	10
MW344	MW34	BENZO[ANTHRACENE]	SW8270	10 U	UG/L	10
MW344	MW34	BENZO[PYRENE]	SW8270	10 U	UG/L	10
MW344	MW34	BENZO[FLUORANTHENE]	SW8270	10 U	UG/L	10
MW344	MW34	BENZO[PERYLENE]	SW8270	10 U	UG/L	10
MW344	MW34	BENZO[FLUORANTHENE]	SW8270	10 U	UG/L	10
MW344	MW34	BENZO[BUYL PHTHALATE]	SW8270	10 U	UG/L	10
MW344	MW34	BENZO[CHLOROETHOXY] METHANE	SW8270	10 U	UG/L	10
MW344	MW34	BENZO[CHLOROETHYL] ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U	UG/L	10
MW344	MW34	BENZO[ETHYLHEXYL] PHTHALATE	SW8270	10 U	UG/L	10
MW344	MW34	CARBAZOLE	SW8270	10 U	UG/L	10
MW344	MW34	CHRYSENE	SW8270	10 U	UG/L	10
MW344	MW34	DI-N-BUTYL PHTHALATE	SW8270	10 U	UG/L	10
MW344	MW34	DI-N-OCTYLPHTHALATE	SW8270	10 U	UG/L	10
MW344	MW34	DIBENZO[ANTHRACENE]	SW8270	10 U	UG/L	10
MW344	MW34	DIBENZOFURAN	SW8270	10 U	UG/L	10
MW344	MW34	DIETHYL PHTHALATE	SW8270	10 U	UG/L	10
MW344	MW34	DIMETHYL PHTHALATE	SW8270	10 U	UG/L	10
MW344	MW34	FLUORANTHENE	SW8270	10 U	UG/L	10
MW344	MW34	FLUORENE	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	HEXACHLOROCYCLOPENTADIENE	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-cd)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
MW344	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-DICHLOROETHANE	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	CHL-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW344D	MW34	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW344D	MW34	DIBROMOFLUOROMETHANE	SW8260	10 U		UG/L	0
MW344D	MW34	ETHYLBENZENE	SW8260	10 U		UG/L	10

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4th Quarter Groundwater Analytical Results

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-OB	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-TRICHLOROETHANE	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

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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	10
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	DIBROMOFUOROMETHANE	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	TOLENE	SW8260	10 U		UG/L	10
MW354	MW35	TOLENE-08	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-DYBIS(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-CHLOROANILINE	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	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW354	MW35	ANTHRACENE	SW8270	10 U		UG/L	10
MW354	MW35	BENZOC(1,2,3-CD)ANTHRACENE	SW8270	10 U		UG/L	10
MW354	MW35	BENZOC(1,2,3-CD)PYRENE	SW8270	10 U		UG/L	10
MW354	MW35	BENZOC(1,2,3-CD)FLUORANTHENE	SW8270	10 U		UG/L	10
MW354	MW35	BENZOC(1,2,3-CD)PERYLENE	SW8270	10 U		UG/L	10
MW354	MW35	BENZOC(1,2,3-CD)FLUORANTHENE	SW8270	10 U		UG/L	10
MW354	MW35	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW354	MW35	DE(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW354	MW35	DE(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW354	MW35	DE(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	DIBENZ(1,2,3-CD)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	HEXACHLOROBIENENE	SW8270	10 U		UG/L	10
MW354	MW35	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Deflection 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,d)PYRENE	SW8270	10 U		UG/L	10
MW354	MW35	ISOPHORONE	SW8270	10 U		UG/L	10
MW354	MW35	N-NITROBIS(4-PROPYLAMINE	SW8270	10 U		UG/L	10
MW354	MW35	N-NITROBIPHENYLAMINE	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	0.025
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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Detection Unit
MW354D	MW35	1,1-DICHLOROETHANE	SW8260	10 U	UG/L
MW354D	MW35	1,1-DICHLOROETHANE	SW8260	10 U	UG/L
MW354D	MW35	1,2-DICHLOROETHANE	SW8260	10 U	UG/L
MW354D	MW35	1,2-DICHLOROETHANE	SW8260	10 U	UG/L
MW354D	MW35	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	10 U	UG/L
MW354D	MW35	2-HEXANONE	SW8260	10 U	UG/L
MW354D	MW35	ACETONE	SW8260	10 U	UG/L
MW354D	MW35	BENZENE	SW8260	10 U	UG/L
MW354D	MW35	BROMODICHLOROMETHANE	SW8260	10 U	UG/L
MW354D	MW35	BROMOFORM	SW8260	10 U	UG/L
MW354D	MW35	BROMOMETHANE	SW8260	10 U	UG/L
MW354D	MW35	CARBON DISULFIDE	SW8260	10 U	UG/L
MW354D	MW35	CARBON TETRACHLORIDE	SW8260	10 U	UG/L
MW354D	MW35	CHLOROBENZENE	SW8260	10 U	UG/L
MW354D	MW35	CHLOROETHANE	SW8260	10 U	UG/L
MW354D	MW35	CHLOROFORM	SW8260	10 U	UG/L
MW354D	MW35	CHLOROMETHANE	SW8260	10 U	UG/L
MW354D	MW35	CHL-1,3-DICHLOROPROPENE	SW8260	10 U	UG/L
MW354D	MW35	DIBROMOCHLOROMETHANE	SW8260	10 U	UG/L
MW354D	MW35	DIBROMOFLUOROMETHANE	SW8260	10 U	UG/L
MW354D	MW35	ETHYLBENZENE	SW8260	10 U	UG/L
MW354D	MW35	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U	UG/L
MW354D	MW35	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U	UG/L
MW354D	MW35	METHYLENE CHLORIDE	SW8260	10 U	UG/L
MW354D	MW35	STYRENE	SW8260	10 U	UG/L
MW354D	MW35	TETRACHLOROETHYLENE (PCE)	SW8260	10 U	UG/L
MW354D	MW35	TOLENE	SW8260	10 U	UG/L
MW354D	MW35	TOLENE-DB	SW8260	10 U	UG/L
MW354D	MW35	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U	UG/L
MW354D	MW35	Total Xylenes	SW8260	10 U	UG/L
MW354D	MW35	Isobutyl-1,3-DICHLOROPROPENE	SW8260	10 U	UG/L
MW354D	MW35	TRICHLOROETHYLENE (TCE)	SW8260	10 U	UG/L
MW354D	MW35	VINYL CHLORIDE	SW8260	10 U	UG/L
MW354D	MW35	1,2,4-TRICHLOROBENZENE	SW8260	10 U	UG/L
MW354D	MW35	1,2-DICHLOROBENZENE	SW8260	10 U	UG/L
MW354D	MW35	1,3-DICHLOROBENZENE	SW8260	10 U	UG/L
MW354D	MW35	1,4-DICHLOROBENZENE	SW8260	10 U	UG/L
MW354D	MW35	2,2-DICHLOROPROPANE	SW8260	10 U	UG/L
MW354D	MW35	2,4,6-TRICHLOROPHENOL	SW8260	10 U	UG/L
MW354D	MW35	2,4,6-TRICHLOROPHENOL	SW8260	10 U	UG/L
MW354D	MW35	2,4-DICHLOROPHENOL	SW8260	10 U	UG/L
MW354D	MW35	2,4-DIMETHYLPHENOL	SW8260	10 U	UG/L

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4th Quarter Groundwater Analytical Results

Sample ID	Well Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection 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'-DICHLOBENZIDINE	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	BENZOXOPYRENE	SW8270	10 U		UG/L	10
MW354D	MW35	BENZOXOFLUORANTHENE	SW8270	10 U		UG/L	10
MW354D	MW35	BENZOXO(L)PYRENE	SW8270	10 U		UG/L	10
MW354D	MW35	BENZOXOFLUORANTHENE	SW8270	10 U		UG/L	10
MW354D	MW35	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW354D	MW35	DBP(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW354D	MW35	DBP(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW354D	MW35	DBP(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	DHP-BUTYL PHTHALATE	SW8270	1 U		UG/L	10
MW354D	MW35	DHP-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW354D	MW35	DIBENZ(1,2,3-CD)ANTHRACENE	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

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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	INDENOX(1,2,3-C)PYRENE	SW8270	10 U		UG/L	10
MW354D	MW35	SOPHORONE	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	84		UG/L	0
MW354D	MW35	TERPHENYL-D14	SW6010	2430 =		UG/L	7.9
MW364	MW36	ALUMINUM	SW6010	2.7 U		UG/L	1.7
MW364	MW36	ANTIMONY	SW6010	1.4 U		UG/L	1.4
MW364	MW36	ARSENIC	SW6010	308 =		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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte 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-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW364	MW36	1,2-DICHLOROPROPANE	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	10
MW364	MW36	2-HEXANONE	SW8260	10 U		UG/L	10
MW364	MW36	ACETONE	SW8260	10 U		UG/L	10
MW364	MW36	BENZENE	SW8260	10 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	10 U		UG/L	10
MW364	MW36	ETHYLBENZENE	SW8260	105		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	10 U		UG/L	10
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	SW8260	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-DICHLOROPROPANE	SW8270	10 U		UG/L	10
MW364	MW36	2,4-DIBROMOPHENOL	SW8270	50 U		UG/L	50
MW364	MW36	2,4,6-TRIBROMOPHENOL	SW8270	72		UG/L	72
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

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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-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW364	MW36	2-FLUOROPHENYL	SW8270	68		UG/L	0
MW364	MW36	2-FLUOROPHENOL	SW8270	35		UG/L	0
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-OCt 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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW364	MW36	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW364	MW36	HEXACHLOROCYCLOPENTADIENE	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	INDENOL 2,3-c.d.PYRENE	SW8270	10 U		UG/L	10
MW364	MW36	ISOPHORENE	SW8270	10 U		UG/L	10
MW364	MW36	N-NITROSO-DI-N-PROPYLAMINE	SW8270	10 U		UG/L	10
MW364	MW36	N-NITROSO-DI-N-PROPYLAMINE	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-D5	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	ALUMINUM	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	THALLIUM	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

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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	BARIUM	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	1,1,2,2-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-DICHLOROETHENE	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 U		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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW374	MW37	cis-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW374	MW37	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW374	MW37	DIBROMOFUOROMETHANE	SW8260	10 U		UG/L	10
MW374	MW37	ETHYLENE	SW8260	10 U		UG/L	10
MW374	MW37	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW374	MW37	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW374	MW37	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW374	MW37	STYRENE	SW8260	10 U		UG/L	10
MW374	MW37	TETRACHLOROETHYLENE (PCE)	SW8260	10 U		UG/L	10
MW374	MW37	TOUENE	SW8260	10 U		UG/L	10
MW374	MW37	TOUENE-D8	SW8260	10 U		UG/L	10
MW374	MW37	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW374	MW37	Total Xylenes	SW8260	10 U		UG/L	10
MW374	MW37	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW374	MW37	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW374	MW37	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW374	MW37	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW374	MW37	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW374	MW37	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW374	MW37	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW374	MW37	2,2'-OXYBIS(1-CHLOROPROPANE)	SW8270	10 U		UG/L	10
MW374	MW37	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW374	MW37	2,4,6-TRIBROMOPHENOL	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-FLUOROPHENYL	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	20 U		UG/L	20
MW374	MW37	3-NITROANILINE	SW8270	50 U		UG/L	50
MW374	MW37	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Protect Qualifier	Units	Detection Limit
MW374	MW37	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW374	MW37	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW374	MW37	4-NITROANILINE	SW8270	50 U		UG/L	50
MW374	MW37	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW374	MW37	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW374	MW37	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW374	MW37	ANTHRACENE	SW8270	10 U		UG/L	10
MW374	MW37	BENZOXANTHRACENE	SW8270	10 U		UG/L	10
MW374	MW37	BENZOXOPYRENE	SW8270	10 U		UG/L	10
MW374	MW37	BENZOXOFLUORANTHENE	SW8270	10 U		UG/L	10
MW374	MW37	BENZOGUINYLPERYLENE	SW8270	10 U		UG/L	10
MW374	MW37	BENZOXOFLUORANTHENE	SW8270	10 U		UG/L	10
MW374	MW37	BENZYL BUTYL PHTHALATE	SW8270	1 U		UG/L	10
MW374	MW37	BR2-CHLOROETHOXY METHANE	SW8270	10 U		UG/L	10
MW374	MW37	BR2-CHLOROETHYL ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW374	MW37	BR2-ETHYLHEXYL PHTHALATE	SW8270	10 U		UG/L	10
MW374	MW37	CARBAZOLE	SW8270	10 U		UG/L	10
MW374	MW37	CHRYSENE	SW8270	10 U		UG/L	10
MW374	MW37	DI-N-BUTYL PHTHALATE	SW8270	2 U		UG/L	10
MW374	MW37	DI-N-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW374	MW37	DIBENZ(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW374	MW37	DIBENZOFLURAN	SW8270	10 U		UG/L	10
MW374	MW37	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW374	MW37	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW374	MW37	FLUORANTHENE	SW8270	10 U		UG/L	10
MW374	MW37	FLUORENE	SW8270	10 U		UG/L	10
MW374	MW37	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW374	MW37	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW374	MW37	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW374	MW37	INDENOL(1,2,3-c-d)PYRENE	SW8270	10 U		UG/L	10
MW374	MW37	ISOPHORENE	SW8270	10 U		UG/L	10
MW374	MW37	N-NITROSODI-N-PROPYLAMINE	SW8270	10 U		UG/L	10
MW374	MW37	N-NITROSODIPHENYLAMINE	SW8270	10 U		UG/L	10
MW374	MW37	NAPHTHALENE	SW8270	10 U		UG/L	10
MW374	MW37	NITROBENZENE	SW8270	10 U		UG/L	10
MW374	MW37	NITROBENZENE-D5	SW8270	61		UG/L	10
MW374	MW37	PENTACHLOROPHENOL	SW8270	5 U		UG/L	5
MW374	MW37	PHENANTHRENE	SW8270	10 U		UG/L	10
MW374	MW37	PHENOL	SW8270	10 U		UG/L	10
MW374	MW37	PHENOL-D5	SW8270	33		UG/L	10
MW374	MW37	PYRENE	SW8270	10 U		UG/L	10
MW374	MW37	TERPHENYL-D14	SW8270	57		UG/L	10

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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	22 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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte	Analyte Parameter	Analytical Method	Value	Project Qualifier	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	1,3-DICHLOROPROPENE		SW8260	10 U		UG/L	10
MW384	MW38	DIBROMOCHLOROMETHANE		SW8260	10 U		UG/L	10
MW384	MW38	DIBROMOFUOROMETHANE		SW8260	10 U		UG/L	10
MW384	MW38	ETHYLBENZENE		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	1,2-DICHLOROETHANE		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 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-DICHLOROPROPANE		SW8270	10 U		UG/L	10
MW384	MW38	2,4,5-TRICHLOROPHENOL		SW8270	50 U		UG/L	50
MW384	MW38	2,4,6-TRICHLOROPHENOL		SW8270	67		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	10
MW384	MW38	2-FLUOROPHENOL		SW8270	49		UG/L	10
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

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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	BENZOGUANTHRACENE	SW8270	10 U		UG/L	10
MW384	MW38	BENZOPYRENE	SW8270	10 U		UG/L	10
MW384	MW38	BENZODIFLUORANTHENE	SW8270	10 U		UG/L	10
MW384	MW38	BENZODIPIPERYLENE	SW8270	10 U		UG/L	10
MW384	MW38	BENZOFURANTHENE	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	DIBENZOFURAN	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	ISOPHTHENE	SW8270	10 U		UG/L	10
MW384	MW38	N-NITROSO-DI-n-PROPYLAMINE	SW8270	10 U		UG/L	10
MW384	MW38	N-NITROSO-DIPHENYLAMINE	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

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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	ALUMINUM	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	BARUM	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	THALLIUM	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	ALUMINUM	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	BARUM	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	20400 =		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

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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	0.48 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-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-BROMOFLUOROBENZENE)	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	CH-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

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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	DIT-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW394	MW39	DIT-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW394	MW39	DIBENZ(ghi)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,d)PYRENE	SW8270	10 U		UG/L	10
MW394	MW39	ISOPHORONE	SW8270	10 U		UG/L	10
MW394	MW39	N-NITROSODI-N-PROPYLAMINE	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	ALUMINUM	SW6010	311		UG/L	7.0
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 U		UG/L	0.48
MW394D	MW39	BERYLLIUM	SW6010	0.08 U		UG/L	0.025
MW394D	MW39	CADMIUM	SW6010	1 U		UG/L	0.05
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 U		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 U		UG/L	824.5

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Protect 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	1142
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	SW7470	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	0.08
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	SW7470	0.1 U		UG/L	0.1
MW404	MW40	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW404	MW40	1,1,2,2-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	10 U		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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW404	MW40	CHLOROETHANE	SW8260	10 U		UG/L	10
MW404	MW40	CHLOROFORM	SW8260	10 U		UG/L	10
MW404	MW40	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW404	MW40	GB-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW404	MW40	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW404	MW40	DIBROMOFLUOROMETHANE	SW8260	97		UG/L	10
MW404	MW40	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW404	MW40	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW404	MW40	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW404	MW40	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW404	MW40	STYRENE	SW8260	10 U		UG/L	10
MW404	MW40	TETRACHLOROETHYLENE (PCE)	SW8260	10 U		UG/L	10
MW404	MW40	TOLUENE	SW8260	10 U		UG/L	10
MW404	MW40	TOLUENE-D8	SW8260	104		UG/L	0
MW404	MW40	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW404	MW40	Total Xylenes	SW8260	10 U		UG/L	10
MW404	MW40	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW404	MW40	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW404	MW40	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW404	MW40	CHLORIDE (AS CL)	SW9056	38.1		MG/L	0.1
MW404	MW40	SULFATE (AS SO4)	SW9056	41.8		MG/L	0.1
MW414	MW41	ETHANE	SW3810	0.68 U		UG/L	0.68
MW414	MW41	ETHENE	SW3810	0.72 U		UG/L	0.72
MW414	MW41	METHANE	SW3810	0.36 U		UG/L	0.36
MW414	MW41	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW414	MW41	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW414	MW41	BERYLLIUM	SW6010	0.05 U		UG/L	0.025
MW414	MW41	CADMIUM	SW6010	2.7 U		UG/L	0.085
MW414	MW41	CHROMIUM, TOTAL	SW6010	3.6 U		UG/L	1
MW414	MW41	COPPER	SW6010	18.1 U		UG/L	1
MW414	MW41	LEAD	SW6010	1.4 U		UG/L	1.3
MW414	MW41	NICKEL	SW6010	0.3 U		UG/L	0.3
MW414	MW41	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW414	MW41	SILVER	SW6010	0.5 U		UG/L	0.5
MW414	MW41	THALLIUM	SW6010	1.6 U		UG/L	1.6
MW414	MW41	ZINC	SW6010	15.8 U		UG/L	1.1
MW414	MW41	MERCURY	SW7470	0.1 U		UG/L	0.1
MW414	MW41	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW414	MW41	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW414	MW41	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW414	MW41	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW414	MW41	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW414	MW41	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10

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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	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW414	MW41	DIBROMOFLUOROMETHANE	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

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4th Quarter Groundwater Analytical Results

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

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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	ETHENE	SW3810	0.82 U		UG/L	0.82
MW444	MW44	METHANE	SW3810	0.41 U		UG/L	0.41
MW444	MW44	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW444	MW44	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW444	MW44	BERYLLIUM	SW6010	0.16 U		UG/L	0.025
MW444	MW44	CADMIUM	SW6010	0.84 U		UG/L	0.085
MW444	MW44	CHROMIUM, TOTAL	SW6010	4.9 U		UG/L	1
MW444	MW44	COPPER	SW6010	6.2 U		UG/L	1
MW444	MW44	LEAD	SW6010	1.3 U		UG/L	1.3
MW444	MW44	NICKEL	SW6010	2.3 U		UG/L	0.32
MW444	MW44	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW444	MW44	SILVER	SW6010	0.5 U		UG/L	0.5
MW444	MW44	THALLIUM	SW6010	2.4 U		UG/L	1.6
MW444	MW44	ZINC	SW6010	14.7 U		UG/L	1.1
MW444	MW44	MERCURY	SW7470	0.1 U		UG/L	0.1
MW444	MW44	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW444	MW44	1,1,2,2-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	1,1-DICHLOROETHENE	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

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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	10 U		UG/L	10
MW444	MW44	2-NITROPHENOL	SW8270	20 U		UG/L	20
MW444	MW44	3,3-DICHLOROBENZIDINE	SW8270	50 U		UG/L	50
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

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4th Quarter Groundwater Analytical Results

Sample ID's	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detect Bar Unfil
MW444	MW44	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW444	MW44	4-CHLOROPHENOL	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	BENZOFULVANTHACENE	SW8270	10 U		UG/L	10
MW444	MW44	BENZOFULVANTHACENE	SW8270	10 U		UG/L	10
MW444	MW44	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW444	MW44	BIS(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW444	MW44	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW444	MW44	BIS(2-ETHYLHEXYL) 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	DIBENZ(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW444	MW44	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW444	MW44	DIEHTYL 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)PYRENE	SW8270	10 U		UG/L	10
MW444	MW44	ISOPHORENE	SW8270	10 U		UG/L	10
MW444	MW44	N-NITROSO-n-PROPYLAMINE	SW8270	10 U		UG/L	10
MW444	MW44	N-NITROSOBIPHENYLAMINE	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	0
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	0

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4th Quarter Groundwater Analytical Results

File Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW444	MW44	PYRENE	SW8270	10 U		UG/L	10
MW444	MW44	TERPHENYL-D14	SW8270	37		UG/L	0
MW444D	MW44	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW444D	MW44	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW444D	MW44	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW444D	MW44	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW444D	MW44	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW444D	MW44	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW444D	MW44	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW444D	MW44	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	10 U		UG/L	0
MW444D	MW44	2-HEXANONE	SW8260	10 U		UG/L	10
MW444D	MW44	ACETONE	SW8260	10 U		UG/L	10
MW444D	MW44	BENZENE	SW8260	10 U		UG/L	10
MW444D	MW44	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW444D	MW44	BROMOFORM	SW8260	10 U		UG/L	10
MW444D	MW44	BROMOMETHANE	SW8260	10 U		UG/L	10
MW444D	MW44	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW444D	MW44	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW444D	MW44	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW444D	MW44	CHLOROETHANE	SW8260	10 U		UG/L	10
MW444D	MW44	CHLOROFORM	SW8260	10 U		UG/L	10
MW444D	MW44	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW444D	MW44	CS-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW444D	MW44	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW444D	MW44	DIBROMOFUOROMETHANE	SW8260	10 U		UG/L	10
MW444D	MW44	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW444D	MW44	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW444D	MW44	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW444D	MW44	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW444D	MW44	STYRENE	SW8260	10 U		UG/L	10
MW444D	MW44	TETRACHLOROETHYLENE (PCE)	SW8260	10 U		UG/L	10
MW444D	MW44	TOLUENE	SW8260	10 U		UG/L	10
MW444D	MW44	TOLUENE-D8	SW8260	10 U		UG/L	10
MW444D	MW44	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW444D	MW44	Total Xylenes	SW8260	10 U		UG/L	10
MW444D	MW44	TRANS-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW444D	MW44	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW444D	MW44	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW454	MW45	ALUMINUM	SW6010	50 U		UG/L	7.5
MW454	MW45	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW454	MW45	ARSENIC	SW6010	2.4 U		UG/L	1.4
MW454	MW45	BARIUM	SW6010	50 U		UG/L	0.45
MW454	MW45	BERYLLIUM	SW6010	0.14 U		UG/L	0.025

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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	114.2
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	1,1,2,2-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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW454	MW45	METHYL SOLUBLE 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 U		UG/L	10
MW454	MW45	TOTAL 1,2-DICHLOROETHYLENE	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	50
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	10
MW454	MW45	2-FLUOROPHENOL	SW8270	58		UG/L	10
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	50 U		UG/L	50
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

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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	BENZOFURANTHENE	SW8270	10 U		UG/L	10
MW454	MW45	BENZOPHENYLENE	SW8270	10 U		UG/L	10
MW454	MW45	BENZOFURANTHENE	SW8270	10 U		UG/L	10
MW454	MW45	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW454	MW45	DI(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW454	MW45	DI(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW454	MW45	DI(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-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW454	MW45	DIBENZ(G,H)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	FLUORANTHENE	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	HEXACHLOROCCYCLOPENTADIENE	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-D,n-PROPYLAMINE	SW8270	10 U		UG/L	10
MW454	MW45	N-NITROSO-DIPHENYLAMINE	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-D5	SW8270	75		UG/L	0
MW454	MW45	PENTACHLOROPHENOL	SW8270	5 U		UG/L	5
MW454	MW45	PHENANTHRENE	SW8270	10 U		UG/L	10
MW454	MW45	PHENOL	SW8270	10 U		UG/L	10
MW454	MW45	PHENOL-D5	SW8270	64		UG/L	0
MW454	MW45	PYRENE	SW8270	10 U		UG/L	10
MW454	MW45	TERPHENYL-D14	SW8270	76		UG/L	0
MW454D	MW45	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW454D	MW45	1,1,2,2-TETRACHLOROETHANE	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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte	Analytical Method	Value	Protect 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	16800 =		UG/L	23.7
MW464	MW46	CHROMIUM, TOTAL	SW6010	1.4 J		UG/L	0.5
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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW464	MW46	MAGNESIUM	SW6010	6500 =		UG/L	6.2
MW464	MW46	MANGANESE	SW6010	2.3 U		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-TRICHLOROETHANE	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	ETHYLENE	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 (PCE)	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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quantifier	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	70		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	BENZOCANTHRACENE	SW8270	10 U		UG/L	10
MW464	MW46	BENZOCOPYRENE	SW8270	10 U		UG/L	10
MW464	MW46	BENZOFULVORANTHENE	SW8270	10 U		UG/L	10
MW464	MW46	BENZOXANTHOPYRENE	SW8270	10 U		UG/L	10
MW464	MW46	BENZOXANTHOPYRENE	SW8270	10 U		UG/L	10
MW464	MW46	BENZOXANTHOPYRENE	SW8270	10 U		UG/L	10
MW464	MW46	BENZOXANTHOPYRENE	SW8270	10 U		UG/L	10

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4th Quarter Groundwater Analytical Results

Sample ID #	Station ID	Analyte Parameters	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW454	MW45	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW454	MW45	DS(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW454	MW46	DS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW454	MW46	DS(2-ETHYLHEXYL) PHTHALATE	SW8270	10 U		UG/L	10
MW454	MW46	CARBAZOLE	SW8270	10 U		UG/L	10
MW454	MW46	CHRYSENE	SW8270	10 U		UG/L	10
MW454	MW46	DI-N-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW454	MW46	DI-N-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW454	MW46	DIBENZ(1,2,3-CD)ANTHRACENE	SW8270	10 U		UG/L	10
MW454	MW46	DIBENZOFURAN	SW8270	10 U		UG/L	10
MW454	MW46	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW454	MW46	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW454	MW46	FLUORANTHENE	SW8270	10 U		UG/L	10
MW454	MW46	FLUORENE	SW8270	10 U		UG/L	10
MW454	MW46	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW454	MW46	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW454	MW46	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW454	MW46	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW454	MW46	INDENOL(1,2,3-CD)PYRENE	SW8270	10 U		UG/L	10
MW454	MW46	ISOPHORENE	SW8270	10 U		UG/L	10
MW454	MW46	N-NITROSODI-N-PROPYLAMINE	SW8270	10 U		UG/L	10
MW454	MW46	N-NITROSODIPHENYLAMINE	SW8270	10 U		UG/L	10
MW454	MW46	NAPHTHALENE	SW8270	10 U		UG/L	10
MW454	MW46	NITROBENZENE	SW8270	10 U		UG/L	10
MW454	MW46	NITROBENZENE D5	SW8270	89		UG/L	0
MW454	MW46	PENTACHLOROPHENOL	SW8270	5 U		UG/L	5
MW454	MW46	PHENANTHRENE	SW8270	10 U		UG/L	10
MW454	MW46	PHENOL	SW8270	10 U		UG/L	10
MW454	MW46	PHENOL-D5	SW8270	68		UG/L	0
MW454	MW46	PYRENE	SW8270	10 U		UG/L	10
MW454	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	ALUMINUM	SW5010	32.2 U		UG/L	7.9
MW474	MW47	ANTIMONY	SW5010	1.7 U		UG/L	1.7
MW474	MW47	ARSENIC	SW5010	1.9 U		UG/L	1.4
MW474	MW47	BARIUM	SW5010	84.6 U		UG/L	0.48
MW474	MW47	BERYLLIUM	SW5010	0.02 U		UG/L	0.02
MW474	MW47	CADMIUM	SW5010	0.1 U		UG/L	0.1

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4th Quarter Groundwater Analytical Results

Sample ID #	Station ID #	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Deflection Limit
MW47A	MW47	CALCIUM	SW6010	20000 =		UG/L	23.7
MW47A	MW47	CHROMIUM TOTAL	SW6010	3.5 J		UG/L	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	10000 =		UG/L	6.2
MW47A	MW47	MANGANESE	SW6010	5.9 J		UG/L	0.53
MW47A	MW47	NICKEL	SW6010	0.3 U		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	20000 =		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	1,1,2,2-TETRACHLOROETHANE	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-DICHLOROETHENE	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	CH-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW47A	MW47	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW47A	MW47	DIBROMOFLUOROMETHANE	SW8260	99		UG/L	0
MW47A	MW47	ETHYLBENZENE	SW8260	10 U		UG/L	10
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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW47A	MW47	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW47A	MW47	STYRENE	SW8260	10 U		UG/L	10
MW47A	MW47	TETRACHLOROETHYLENE (PCE)	SW8260	14 =		UG/L	10
MW47A	MW47	TOLUENE	SW8260	10 U		UG/L	10
MW47A	MW47	TOLUENE-D8	SW8260	100		UG/L	10
MW47A	MW47	TOTAL 1,2-DICHLOROETHENE	SW8260	9 J		UG/L	10
MW47A	MW47	Total Xylenes	SW8260	10 U		UG/L	10
MW47A	MW47	1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW47A	MW47	TRICHLOROETHYLENE (TCE)	SW8260	6 J		UG/L	10
MW47A	MW47	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW47A	MW47	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW47A	MW47	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW47A	MW47	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW47A	MW47	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW47A	MW47	2,2-DICHLOROPROPANE	SW8270	10 U		UG/L	10
MW47A	MW47	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW47A	MW47	2,4,6-TRICHLOROPHENOL	SW8270	53		UG/L	0
MW47A	MW47	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW47A	MW47	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW47A	MW47	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW47A	MW47	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW47A	MW47	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW47A	MW47	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW47A	MW47	2-CHLOROPHENOL	SW8270	50		UG/L	0
MW47A	MW47	2-FLUOROPHENOL	SW8270	51		UG/L	0
MW47A	MW47	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW47A	MW47	2-METHYLPHENOL (o-CRESOL)	SW8270	10 U		UG/L	10
MW47A	MW47	2-NITROANILINE	SW8270	50 U		UG/L	50
MW47A	MW47	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW47A	MW47	3,3-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW47A	MW47	3-NITROANILINE	SW8270	50 U		UG/L	50
MW47A	MW47	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW47A	MW47	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW47A	MW47	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW47A	MW47	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW47A	MW47	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW47A	MW47	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW47A	MW47	4-NITROANILINE	SW8270	50 U		UG/L	50
MW47A	MW47	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW47A	MW47	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW47A	MW47	ACENAPHTHYLENE	SW8270	10 U		UG/L	10

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW484	MW48	ETHYLENE	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	MANGANESE	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	1,1-DICHLOROETHENE	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

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4th Quarter Groundwater Analytical Results

Sample ID #	Station 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	DIBROMOFUOROMETHANE	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'-OXYBIS(1-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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Protect 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	ACENAPHTHYLENE	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	BENZOGUANYLENE	SW8270	10 R		UG/L	10
MW484	MW48	BENZOFULFURANTHENE	SW8270	10 R		UG/L	10
MW484	MW48	BENZOGUANIDINE	SW8270	10 R		UG/L	10
MW484	MW48	BENZOXFLUORANTHENE	SW8270	10 R		UG/L	10
MW484	MW48	BENZYL BUTYL PHTHALATE	SW8270	10 R		UG/L	10
MW484	MW48	DB(2-CHLOROETHOXY) METHANE	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	DIT-BUTYL PHTHALATE	SW8270	10 R		UG/L	10
MW484	MW48	DIMETHYL PHTHALATE	SW8270	10 R		UG/L	10
MW484	MW48	DIBENZOGUANANTHRACENE	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	INDENOX(1,2,3-c-d)PYRENE	SW8270	10 R		UG/L	10
MW484	MW48	ISOPHORENE	SW8270	10 R		UG/L	10
MW484	MW48	N-NITRODIPHENYLAMINE	SW8270	10 R		UG/L	10
MW484	MW48	N-NITRODIPHENYLAMINE	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	0
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	0

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4th Quarter Groundwater Analytical Results

Sample ID#	Station ID#	Analysis Parameter	Analytical Method	Value	Project Qualifier	Units	Deflection Limit
MW484	MW48	PYRENE	SW8270	10 R		UG/L	10
MW484	MW48	TERPENE/D14	SW8270	76		UG/L	0
MW484	MW48	CHLORIDE (AS CL)	SW9056	15.4 =		MG/L	0.1
MW484	MW48	SULFATE (AS SO4)	SW9056	13.9 =		MG/L	0.1
MW484RE	MW48	1,2,4-TRICHLOROBENZENE	SW8270	10 R		UG/L	10
MW484RE	MW48	1,2-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW484RE	MW48	1,3-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW484RE	MW48	1,4-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW484RE	MW48	2,2-OXYBIS(1-CHLORO)PROPANE	SW8270	10 R		UG/L	10
MW484RE	MW48	2,4,5-TRICHLOROPHENOL	SW8270	50 R		UG/L	50
MW484RE	MW48	2,4,6-TRIBROMOPHENOL	SW8270	3		UG/L	0
MW484RE	MW48	2,4,6-TRICHLOROPHENOL	SW8270	10 R		UG/L	10
MW484RE	MW48	2,4-DICHLOROPHENOL	SW8270	10 R		UG/L	10
MW484RE	MW48	2,4-DIMETHYLPHENOL	SW8270	10 R		UG/L	10
MW484RE	MW48	2,4-DINITROPHENOL	SW8270	50 R		UG/L	50
MW484RE	MW48	2,4-DINITROTOLUENE	SW8270	10 R		UG/L	10
MW484RE	MW48	2,6-DINITROTOLUENE	SW8270	10 R		UG/L	10
MW484RE	MW48	2-CHLORONAPHTHALENE	SW8270	10 R		UG/L	10
MW484RE	MW48	2-CHLOROPHENOL	SW8270	10 R		UG/L	10
MW484RE	MW48	2-FLUOROBIPHENYL	SW8270	71		UG/L	0
MW484RE	MW48	2-FLUOROPHENOL	SW8270	6		UG/L	0
MW484RE	MW48	2-METHYLNAPHTHALENE	SW8270	10 R		UG/L	10
MW484RE	MW48	2-METHYLPHENOL (o-CRESOL)	SW8270	10 R		UG/L	10
MW484RE	MW48	2-NITROANILINE	SW8270	50 R		UG/L	50
MW484RE	MW48	2-NITROPHENOL	SW8270	10 R		UG/L	10
MW484RE	MW48	3,3'-DICHLOROBENZIDINE	SW8270	20 R		UG/L	20
MW484RE	MW48	3-NITROANILINE	SW8270	50 R		UG/L	50
MW484RE	MW48	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 R		UG/L	50
MW484RE	MW48	4-BROMOPHENYL PHENYL ETHER	SW8270	10 R		UG/L	10
MW484RE	MW48	4-CHLORO-3-METHYLPHENOL	SW8270	10 R		UG/L	10
MW484RE	MW48	4-CHLOROANILINE	SW8270	10 R		UG/L	10
MW484RE	MW48	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 R		UG/L	10
MW484RE	MW48	4-METHYLPHENOL (p-CRESOL)	SW8270	10 R		UG/L	10
MW484RE	MW48	4-NITROANILINE	SW8270	50 R		UG/L	50
MW484RE	MW48	4-NITROPHENOL	SW8270	50 R		UG/L	50
MW484RE	MW48	ACENAPHTHENE	SW8270	10 R		UG/L	10
MW484RE	MW48	ACENAPHTHYLENE	SW8270	10 R		UG/L	10
MW484RE	MW48	ANTHRACENE	SW8270	10 R		UG/L	10
MW484RE	MW48	BENZOFURANTHRACENE	SW8270	10 R		UG/L	10
MW484RE	MW48	BENZOPYRENE	SW8270	10 R		UG/L	10
MW484RE	MW48	BENZOFURANTHENE	SW8270	10 R		UG/L	10
MW484RE	MW48	BENZODIPHENYLENE	SW8270	10 R		UG/L	10
MW484RE	MW48	BENZOKYFLUORANTHENE	SW8270	10 R		UG/L	10

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	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	DIA-BUTYL PHTHALATE	SW8270	10 R		UG/L	10
MW484RE	MW48	DIA-OCTYL PHTHALATE	SW8270	10 R		UG/L	10
MW484RE	MW48	DIBENZ(a,h)ANTHRACENE	SW8270	10 R		UG/L	10
MW484RE	MW48	DIBENZOFURAN	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	INDENOX(1,2,3-c)PYRENE	SW8270	10 R		UG/L	10
MW484RE	MW48	ISOPHORENE	SW8270	10 R		UG/L	10
MW484RE	MW48	N-NITROSODIA-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	5 R		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	26		UG/L	0
MW484RE	MW48	PYRENE	SW8270	10 R		UG/L	10
MW484RE	MW48	TERPHEHYL-D14	SW8270	86		UG/L	0
MW494	MW49	ALUMINUM	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

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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	1.3 J		UG/L	0.53
MW49A	MW49	NICKEL	SW6010	0.3 U		UG/L	0.3
MW49A	MW49	POTASSIUM	SW6010	97 J		UG/L	824.5
MW49A	MW49	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW49A	MW49	SILVER	SW6010	0.5 U		UG/L	0.5
MW49A	MW49	SODIUM	SW6010	12100		UG/L	114.2
MW49A	MW49	THALLIUM	SW6010	1.6 U		UG/L	1.6
MW49A	MW49	VANADIUM	SW6010	0.41 J		UG/L	0.31
MW49A	MW49	ZINC	SW6010	12.2 J		UG/L	1.1
MW49A	MW49	MERCURY	SW7470	0.1 U		UG/L	0.1
MW49A	MW49	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW49A	MW49	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW49A	MW49	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW49A	MW49	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW49A	MW49	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW49A	MW49	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW49A	MW49	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	103		UG/L	6
MW49A	MW49	2-HEXANONE	SW8260	10 U		UG/L	10
MW49A	MW49	ACETONE	SW8260	10 U		UG/L	10
MW49A	MW49	BENZENE	SW8260	10 U		UG/L	10
MW49A	MW49	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW49A	MW49	BROMOFORM	SW8260	10 U		UG/L	10
MW49A	MW49	BROMOMETHANE	SW8260	10 U		UG/L	10
MW49A	MW49	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW49A	MW49	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW49A	MW49	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW49A	MW49	CHLOROETHANE	SW8260	10 U		UG/L	10
MW49A	MW49	CHLOROFORM	SW8260	10 U		UG/L	10
MW49A	MW49	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW49A	MW49	cis-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW49A	MW49	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW49A	MW49	DIBROMOFLUOROMETHANE	SW8260	103		UG/L	6
MW49A	MW49	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW49A	MW49	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW49A	MW49	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW49A	MW49	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW49A	MW49	STYRENE	SW8260	10 U		UG/L	10
MW49A	MW49	TETRACHLOROETHYLENE (PCE)	SW8260	10 U		UG/L	10
MW49A	MW49	TOLUENE	SW8260	10 U		UG/L	10
MW49A	MW49	TOLUENE-D8	SW8260	106		UG/L	6
MW49A	MW49	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW49A	MW49	Total Xylenes	SW8260	10 U		UG/L	10
MW49A	MW49	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW49A	MW49	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW49A	MW49	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW49A	MW49	1,2,4-TRICHLOROBENZENE	SW8270	10 R		UG/L	10
MW49A	MW49	1,2-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW49A	MW49	1,3-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW49A	MW49	1,4-DICHLOROBENZENE	SW8270	10 R		UG/L	10
MW49A	MW49	2,2-OXYBIS(1-CHLORO)PROPANE	SW8270	10 R		UG/L	10
MW49A	MW49	2,4,5-TRICHLOROPHENOL	SW8270	50 R		UG/L	50
MW49A	MW49	2,4,6-TRIBROMOPHENOL	SW8270	4		UG/L	0
MW49A	MW49	2,4,6-TRICHLOROPHENOL	SW8270	10 R		UG/L	10
MW49A	MW49	2,4-DICHLOROPHENOL	SW8270	10 R		UG/L	10
MW49A	MW49	2,4-DIMETHYLPHENOL	SW8270	10 R		UG/L	10
MW49A	MW49	2,4-DINITROPHENOL	SW8270	50 R		UG/L	50
MW49A	MW49	2,4-DINITROTOLUENE	SW8270	10 R		UG/L	10
MW49A	MW49	2,6-DINITROTOLUENE	SW8270	10 R		UG/L	10
MW49A	MW49	2-CHLORONAPHTHALENE	SW8270	10 R		UG/L	10
MW49A	MW49	2-CHLOROPHENOL	SW8270	10 R		UG/L	10
MW49A	MW49	2-FLUOROBIPHENYL	SW8270	74		UG/L	0
MW49A	MW49	2-FLUOROPHENOL	SW8270	3		UG/L	0
MW49A	MW49	2-METHYLNAPHTHALENE	SW8270	10 R		UG/L	10
MW49A	MW49	2-METHYLPHENOL (O-CRESOL)	SW8270	10 R		UG/L	10
MW49A	MW49	2-NITROANILINE	SW8270	50 R		UG/L	50
MW49A	MW49	2-NITROPHENOL	SW8270	10 R		UG/L	10
MW49A	MW49	3,3'-DICHLOROBENZIDINE	SW8270	20 R		UG/L	20
MW49A	MW49	3-NITROANILINE	SW8270	50 R		UG/L	50
MW49A	MW49	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 R		UG/L	50
MW49A	MW49	4-BROMOPHENYL PHENYL ETHER	SW8270	10 R		UG/L	10
MW49A	MW49	4-CHLORO-3-METHYLPHENOL	SW8270	10 R		UG/L	10
MW49A	MW49	4-CHLOROANILINE	SW8270	10 R		UG/L	10
MW49A	MW49	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 R		UG/L	10
MW49A	MW49	4-METHYLPHENOL (P-CRESOL)	SW8270	10 R		UG/L	10
MW49A	MW49	4-NITROANILINE	SW8270	50 R		UG/L	50
MW49A	MW49	4-NITROPHENOL	SW8270	50 R		UG/L	50
MW49A	MW49	ACENAPHTHENE	SW8270	10 R		UG/L	10
MW49A	MW49	ACENAPHTHYLENE	SW8270	10 R		UG/L	10
MW49A	MW49	ANTHRACENE	SW8270	10 R		UG/L	10
MW49A	MW49	BENZOXANTHRACENE	SW8270	10 R		UG/L	10
MW49A	MW49	BENZOPYRENE	SW8270	10 R		UG/L	10
MW49A	MW49	BENZOFULVANTHENE	SW8270	10 R		UG/L	10
MW49A	MW49	BENZOXANTHYLENE	SW8270	10 R		UG/L	10
MW49A	MW49	BENZOFULVANTHENE	SW8270	10 R		UG/L	10
MW49A	MW49	BENZOXANTHYLENE	SW8270	10 R		UG/L	10
MW49A	MW49	BENZOFULVANTHENE	SW8270	10 R		UG/L	10

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW49A	MW49	BENZYL BUTYL PHTHALATE	SW8270	10 R		UG/L	10
MW49A	MW49	Di(2-CHLOROETHOXY) METHANE	SW8270	10 R		UG/L	10
MW49A	MW49	Di(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 R		UG/L	10
MW49A	MW49	Di(2-ETHYLEXYL) PHTHALATE	SW8270	10 R		UG/L	10
MW49A	MW49	CARBAZOLE	SW8270	10 R		UG/L	10
MW49A	MW49	CHRYSENE	SW8270	10 R		UG/L	10
MW49A	MW49	Di-n-BUTYL PHTHALATE	SW8270	10 R		UG/L	10
MW49A	MW49	Di-n-OCTYL PHTHALATE	SW8270	10 R		UG/L	10
MW49A	MW49	DIBENZO(a,h)ANTHRACENE	SW8270	10 R		UG/L	10
MW49A	MW49	DIBENZOFURAN	SW8270	10 R		UG/L	10
MW49A	MW49	DIETHYL PHTHALATE	SW8270	10 R		UG/L	10
MW49A	MW49	DIMETHYL PHTHALATE	SW8270	10 R		UG/L	10
MW49A	MW49	FLUORANTHENE	SW8270	10 R		UG/L	10
MW49A	MW49	FLUORENE	SW8270	10 R		UG/L	10
MW49A	MW49	HEXACHLOROBENZENE	SW8270	10 R		UG/L	10
MW49A	MW49	HEXACHLOROBUTADIENE	SW8270	10 R		UG/L	10
MW49A	MW49	HEXACHLOROCYCLOPENTADIENE	SW8270	10 R		UG/L	10
MW49A	MW49	HEXACHLOROETHANE	SW8270	10 R		UG/L	10
MW49A	MW49	INDENOX(1,2,3-c,d)PYRENE	SW8270	10 R		UG/L	10
MW49A	MW49	ISOPHORBONE	SW8270	10 R		UG/L	10
MW49A	MW49	N-NITROSODI-n-PROPYLAMINE	SW8270	10 R		UG/L	10
MW49A	MW49	N-NITROSODIPHENYLAMINE	SW8270	10 R		UG/L	10
MW49A	MW49	NAPHTHALENE	SW8270	10 R		UG/L	10
MW49A	MW49	NITROBENZENE	SW8270	10 R		UG/L	10
MW49A	MW49	NITROBENZENE-D5	SW8270	10 R		UG/L	10
MW49A	MW49	PENTACHLOROPHENOL	SW8270	79		UG/L	0
MW49A	MW49	PHENANTHRENE	SW8270	5 R		UG/L	5
MW49A	MW49	PHENOL	SW8270	10 R		UG/L	10
MW49A	MW49	PHENOL-D5	SW8270	10 R		UG/L	10
MW49A	MW49	PYRENE	SW8270	34		UG/L	0
MW49A	MW49	TERPHENYL-D14	SW8270	64		UG/L	0
MW49A	MW49	1,2,4-TRICHLOROBENZENE	SW8270	10 UJ		UG/L	10
MW49A	MW49	1,2-DICHLOROBENZENE	SW8270	10 UJ		UG/L	10
MW49A	MW49	1,3-DICHLOROBENZENE	SW8270	10 UJ		UG/L	10
MW49A	MW49	1,4-DICHLOROBENZENE	SW8270	10 UJ		UG/L	10
MW49A	MW49	2,2'-OXYBIS(1-CHLOROPROPANE	SW8270	10 UJ		UG/L	10
MW49A	MW49	2,4,5-TRICHLOROPHENOL	SW8270	10 UJ		UG/L	10
MW49A	MW49	2,4,6-TRIBROMOPHENOL	SW8270	50 UJ		UG/L	50
MW49A	MW49	2,4,6-TRICHLOROPHENOL	SW8270	61		UG/L	0
MW49A	MW49	2,4-DICHLOROPHENOL	SW8270	10 UJ		UG/L	10
MW49A	MW49	2,4-DIMETHYLPHENOL	SW8270	10 UJ		UG/L	10
MW49A	MW49	2,4-DINITROPHENOL	SW8270	10 UJ		UG/L	10
MW49A	MW49	2,4-DINITROTOLUENE	SW8270	50 UJ		UG/L	50
MW49A	MW49		SW8270	10 UJ		UG/L	10

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Quantity	Units	Detection Limit
MW494RE	MW49	2,6-DINITROTOLUENE	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	2-CHLORONAPHTHALENE	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	2-CHLOROPHENOL	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	2-FLUOROBIPHENYL	SW8270	74	74	UG/L	0
MW494RE	MW49	2-FLUOROPHENOL	SW8270	58	58	UG/L	0
MW494RE	MW49	2-METHYLNAPHTHALENE	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	2-METHYLPHENOL (O-CRESOL)	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	2-NITROANILINE	SW8270	50 UJ	50 UJ	UG/L	50
MW494RE	MW49	2-NITROPHENOL	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	3,3'-DICHLOBENZIDINE	SW8270	20 UJ	20 UJ	UG/L	20
MW494RE	MW49	3-NITROANILINE	SW8270	50 UJ	50 UJ	UG/L	50
MW494RE	MW49	4,4-DINITRO-2-METHYLPHENOL	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	4-BROMOPHENYL PHENYL ETHER	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	4-CHLORO-3-METHYLPHENOL	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	4-CHLOROANILINE	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	4-METHYLPHENOL (P-CRESOL)	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	4-NITROANILINE	SW8270	50 UJ	50 UJ	UG/L	50
MW494RE	MW49	4-NITROPHENOL	SW8270	50 UJ	50 UJ	UG/L	50
MW494RE	MW49	ACENAPHTHENE	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	ACENAPHTHYLENE	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	ANTHRACENE	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	BENZOXANTHACENE	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	BENZOXOPIRENE	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	BENZOXOFLUORANTHENE	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	BENZOXOFLUORENE	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	BENZOXOFLUORANTHENE	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	BENZYL BUTYL PHTHALATE	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	DE(2-CHLOROETHOXY) METHANE	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	DE(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	DE(2-ETHYLHEXYL) PHTHALATE	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	CARBAZOLE	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	CHRYSENE	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	D(1-BUTYL) PHTHALATE	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	D(1-OCTYL)PHTHALATE	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	DIBENZ(a,h)ANTHRACENE	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	DIBENZOFURAN	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	DIETHYL PHTHALATE	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	DIMETHYL PHTHALATE	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	FLUORANTHENE	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	FLUORENE	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	HEXACHLOROBENZENE	SW8270	10 UJ	10 UJ	UG/L	10
MW494RE	MW49	HEXACHLOROBUTADIENE	SW8270	10 UJ	10 UJ	UG/L	10

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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-cd)PYRENE	SW8270	10 UJ		UG/L	10
MW494RE	MW49	ISOPHORONE	SW8270	10 UJ		UG/L	10
MW494RE	MW49	N-NITROSODIETHYLAMINE	SW8270	10 UJ		UG/L	10
MW494RE	MW49	N-NITROSODIPHENYLAMINE	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	72		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	64		UG/L	0
MW494RE	MW49	PHENOL-D5	SW8270	10 UJ		UG/L	10
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	0.53
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	SW8250	10 U		UG/L	10
MW504	MW50	1,1,2,2-TETRACHLOROETHANE	SW8250	10 U		UG/L	10
MW504	MW50	1,1,2-TRICHLOROETHANE	SW8250	10 U		UG/L	10
MW504	MW50	1,1-DICHLOROETHANE	SW8250	10 U		UG/L	10
MW504	MW50	1,1-DICHLOROETHENE	SW8250	10 U		UG/L	10

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4th Quarter Groundwater Analytical Results

Sample ID #	Station ID #	Analyte Parameter	Analytical Method	Value	Project Goal/Ref	Units	Detection Limit
MW504	MW50	1,2-DICHLOROETHANE	SW8260	10.0	10.0	UG/L	10
MW504	MW50	1,2-DICHLOROPROPANE	SW8260	10.0	10.0	UG/L	10
MW504	MW50	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	100	100	UG/L	0
MW504	MW50	2-HEXANONE	SW8260	10.0	10.0	UG/L	10
MW504	MW50	ACETONE	SW8260	10.0	10.0	UG/L	10
MW504	MW50	BENZENE	SW8260	10.0	10.0	UG/L	10
MW504	MW50	BROMODICHLOROMETHANE	SW8260	10.0	10.0	UG/L	10
MW504	MW50	BROMOFORM	SW8260	10.0	10.0	UG/L	10
MW504	MW50	BROMOMETHANE	SW8260	10.0	10.0	UG/L	10
MW504	MW50	CARBON DISULFIDE	SW8260	10.0	10.0	UG/L	10
MW504	MW50	CARBON TETRACHLORIDE	SW8260	10.0	10.0	UG/L	10
MW504	MW50	CHLOROBENZENE	SW8260	10.0	10.0	UG/L	10
MW504	MW50	CHLOROETHANE	SW8260	10.0	10.0	UG/L	10
MW504	MW50	CHLOROFORM	SW8260	10.0	10.0	UG/L	10
MW504	MW50	CHLOROMETHANE	SW8260	10.0	10.0	UG/L	10
MW504	MW50	cis-1,3-DICHLOROPROPENE	SW8260	10.0	10.0	UG/L	10
MW504	MW50	DI-BROMOCHLOROMETHANE	SW8260	10.0	10.0	UG/L	10
MW504	MW50	DI-BROMOFLUOROMETHANE	SW8260	10.0	10.0	UG/L	10
MW504	MW50	ETHYLBENZENE	SW8260	10.0	10.0	UG/L	10
MW504	MW50	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10.0	10.0	UG/L	10
MW504	MW50	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10.0	10.0	UG/L	10
MW504	MW50	METHYLENE CHLORIDE	SW8260	10.0	10.0	UG/L	10
MW504	MW50	STYRENE	SW8260	10.0	10.0	UG/L	10
MW504	MW50	TETRACHLOROETHYLENE (PCE)	SW8260	10.0	10.0	UG/L	10
MW504	MW50	TOLUENE	SW8260	10.0	10.0	UG/L	10
MW504	MW50	TOLUENE-D8	SW8260	100	100	UG/L	0
MW504	MW50	TOTAL 1,2-DICHLOROETHENE	SW8260	10.0	10.0	UG/L	10
MW504	MW50	Total Xylenes	SW8260	10.0	10.0	UG/L	10
MW504	MW50	trans-1,3-DICHLOROPROPENE	SW8260	10.0	10.0	UG/L	10
MW504	MW50	TRICHLOROETHYLENE (TCE)	SW8260	10.0	10.0	UG/L	10
MW504	MW50	VINYL CHLORIDE	SW8260	10.0	10.0	UG/L	10
MW504	MW50	1,2,4-TRICHLOROBENZENE	SW8270	10.0	10.0	UG/L	10
MW504	MW50	1,2-DICHLOROBENZENE	SW8270	10.0	10.0	UG/L	10
MW504	MW50	1,3-DICHLOROBENZENE	SW8270	10.0	10.0	UG/L	10
MW504	MW50	1,4-DICHLOROBENZENE	SW8270	10.0	10.0	UG/L	10
MW504	MW50	2,2-DICHLOROPROPANE	SW8270	10.0	10.0	UG/L	10
MW504	MW50	2,4,5-TRICHLOROPHENOL	SW8270	50.0	50.0	UG/L	50
MW504	MW50	2,4,6-TRIBROMOPHENOL	SW8270	50	50	UG/L	0
MW504	MW50	2,4,6-TRICHLOROPHENOL	SW8270	10.0	10.0	UG/L	10
MW504	MW50	2,4-DICHLOROPHENOL	SW8270	10.0	10.0	UG/L	10
MW504	MW50	2,4-DIMETHYLPHENOL	SW8270	10.0	10.0	UG/L	10
MW504	MW50	2,4-DINITROPHENOL	SW8270	50.0	50.0	UG/L	50
MW504	MW50	2,4-DINITROTOLUENE	SW8270	10.0	10.0	UG/L	10

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4th Quarter Groundwater Analytical Results

Sample ID	Location ID	Analyte	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	82		UG/L	0
MW504	MW50	2-FLUOROPHENOL		SW8270	65		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	BENZOXANTHRACENE		SW8270	10 U		UG/L	10
MW504	MW50	BENZODIPIRENE		SW8270	10 U		UG/L	10
MW504	MW50	BENZOFULFURANTHENE		SW8270	10 U		UG/L	10
MW504	MW50	BENZODIPIRENE		SW8270	10 U		UG/L	10
MW504	MW50	BENZOXANTHRACENE		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	DH-OCTYL PHTHALATE		SW8270	10 U		UG/L	10
MW504	MW50	DIBENZODIANTHRACENE		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

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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	INDENOX 1,2,3-C-OPYRENE	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	10
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	10
MW504	MW50	PYRENE	SW8270	10 U		UG/L	10
MW504	MW50	TERPHENYL-D14	SW8270	75		UG/L	10
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	1
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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW514	MW51	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW514	MW51	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW514	MW51	1,1-DICHLOROETHENE	SW8260	30 =		UG/L	10
MW514	MW51	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW514	MW51	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW514	MW51	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	10 U		UG/L	10
MW514	MW51	2-HEXANONE	SW8260	10 U		UG/L	10
MW514	MW51	ACETONE	SW8260	10 U		UG/L	10
MW514	MW51	BENZENE	SW8260	10 U		UG/L	10
MW514	MW51	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW514	MW51	BROMOFORM	SW8260	10 U		UG/L	10
MW514	MW51	BROMOMETHANE	SW8260	10 U		UG/L	10
MW514	MW51	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW514	MW51	CARBON TETRACHLORIDE	SW8260	10 U		UG/L	10
MW514	MW51	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW514	MW51	CHLOROETHANE	SW8260	10 U		UG/L	10
MW514	MW51	CHLOROFORM	SW8260	10 U		UG/L	10
MW514	MW51	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW514	MW51	CHL-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW514	MW51	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW514	MW51	DIBROMOFLUOROMETHANE	SW8260	98		UG/L	0
MW514	MW51	ETHYLENE	SW8260	10 U		UG/L	10
MW514	MW51	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW514	MW51	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW514	MW51	METHYLENE CHLORIDE	SW8260	10 U		UG/L	10
MW514	MW51	STYRENE	SW8260	4 J		UG/L	10
MW514	MW51	TETRACHLOROETHYLENE (PCE)	SW8260	10 U		UG/L	10
MW514	MW51	TOLUENE	SW8260	10 U		UG/L	10
MW514	MW51	TOLUENE-D8	SW8260	107		UG/L	0
MW514	MW51	TOTAL 1,2-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW514	MW51	Total Xylenes	SW8260	10 U		UG/L	10
MW514	MW51	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW514	MW51	TRICHLOROETHYLENE (TCE)	SW8260	10 U		UG/L	10
MW514	MW51	VINYL CHLORIDE	SW8260	15 =		UG/L	10
MW514	MW51	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW514	MW51	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW514	MW51	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW514	MW51	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW514	MW51	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10 U		UG/L	10
MW514	MW51	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW514	MW51	2,4,6-TRIBROMOPHENOL	SW8270	58		UG/L	0
MW514	MW51	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW514	MW51	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10

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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-CHLORONAPHTHALENE	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-METHYLPHENOL (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-METHYLPHENOL	SW8270	50 U		UG/L	50
MW514	MW51	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW514	MW51	4-CHLORO-3-METHYLPHENOL	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-METHYLPHENOL (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	BENZOTRIANTHRACENE	SW8270	10 U		UG/L	10
MW514	MW51	BENZOFULVENE	SW8270	10 U		UG/L	10
MW514	MW51	BENZOTRIFLUORANTHENE	SW8270	10 U		UG/L	10
MW514	MW51	BENZOTRIFLUORANTHENE	SW8270	10 U		UG/L	10
MW514	MW51	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW514	MW51	DE(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW514	MW51	DE(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW514	MW51	DE(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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW514	MW51	FLUORENE	SW8270	10 U		UG/L	10
MW514	MW51	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW514	MW51	HEXACHLOROBUTADIENE	SW8270	10 U		UG/L	10
MW514	MW51	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW514	MW51	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW514	MW51	INDENO[1,2,3-c,d]PYRENE	SW8270	10 U		UG/L	10
MW514	MW51	ISOPHORENE	SW8270	10 U		UG/L	10
MW514	MW51	N-NITROSODI-N-PROPYLAMINE	SW8270	10 U		UG/L	10
MW514	MW51	N-NITROSODIPHENYLAMINE	SW8270	10 U		UG/L	10
MW514	MW51	NAPHTHALENE	SW8270	10 U		UG/L	10
MW514	MW51	NITROBENZENE	SW8270	10 U		UG/L	10
MW514	MW51	NITROBENZENE-D5	SW8270	74		UG/L	0
MW514	MW51	PENTACHLOROPHENOL	SW8270	5 U		UG/L	5
MW514	MW51	PHENANTHRENE	SW8270	10 U		UG/L	10
MW514	MW51	PHENOL	SW8270	10 U		UG/L	10
MW514	MW51	PHENOL-D5	SW8270	69		UG/L	0
MW514	MW51	PYRENE	SW8270	10 U		UG/L	10
MW514	MW51	TERPHENYL-D14	SW8270	10 U		UG/L	10
MW524	MW52	ALUMINUM	SW6010	18.8 J		UG/L	7.9
MW524	MW52	ANTIMONY	SW6010	2.2 J		UG/L	1.7
MW524	MW52	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW524	MW52	BARIUM	SW6010	173 J		UG/L	0.46
MW524	MW52	BERYLLIUM	SW6010	0.02 U		UG/L	0.02
MW524	MW52	CADMIUM	SW6010	0.1 U		UG/L	0.1
MW524	MW52	CALCIUM	SW6010	48300 =		UG/L	23.7
MW524	MW52	CHROMIUM TOTAL	SW6010	1 U		UG/L	1
MW524	MW52	COBALT	SW6010	0.5 U		UG/L	0.5
MW524	MW52	COPPER	SW6010	1 U		UG/L	1
MW524	MW52	IRON	SW6010	3.6 U		UG/L	3.6
MW524	MW52	LEAD	SW6010	1.3 U		UG/L	1.3
MW524	MW52	MAGNESIUM	SW6010	24500 =		UG/L	6.2
MW524	MW52	MANGANESE	SW6010	1.5 J		UG/L	0.53
MW524	MW52	NICKEL	SW6010	0.3 U		UG/L	0.3
MW524	MW52	POTASSIUM	SW6010	3340 J		UG/L	824.5
MW524	MW52	SELENIUM	SW6010	1.6 U		UG/L	1.6
MW524	MW52	SILVER	SW6010	0.5 U		UG/L	0.5
MW524	MW52	SODIUM	SW6010	90400 =		UG/L	114.2
MW524	MW52	THALLIUM	SW6010	1.6 U		UG/L	1.6
MW524	MW52	VANADIUM	SW6010	0.43 J		UG/L	0.31
MW524	MW52	ZINC	SW6010	3.5 J		UG/L	1.1
MW524	MW52	MERCURY	SW7470	0.1 U		UG/L	0.1
MW524	MW52	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW524	MW52	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10

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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	DIBROMOFUOROMETHANE	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

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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		UG/L	10
MW524	MW52	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW524	MW52	2,4-DINITROTOLENE	SW8270	10 U		UG/L	10
MW524	MW52	2,6-DINITROTOLENE	SW8270	10 U		UG/L	10
MW524	MW52	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW524	MW52	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW524	MW52	2-FLUOROBIPHENYL	SW8270	69		UG/L	0
MW524	MW52	2-FLUOROPHENOL	SW8270	64		UG/L	0
MW524	MW52	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW524	MW52	2-METHYLPHENOL (o-CRESOL)	SW8270	10 U		UG/L	10
MW524	MW52	2-NITROANILINE	SW8270	50 U		UG/L	50
MW524	MW52	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW524	MW52	3,3'-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW524	MW52	3-NITROANILINE	SW8270	50 U		UG/L	50
MW524	MW52	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW524	MW52	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW524	MW52	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW524	MW52	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW524	MW52	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW524	MW52	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW524	MW52	4-NITROANILINE	SW8270	50 U		UG/L	50
MW524	MW52	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW524	MW52	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW524	MW52	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW524	MW52	ANTHRACENE	SW8270	10 U		UG/L	10
MW524	MW52	BENZO(a)ANTHRACENE	SW8270	10 U		UG/L	10
MW524	MW52	BENZO(b)PYRENE	SW8270	10 U		UG/L	10
MW524	MW52	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW524	MW52	BENZO(g,h,i)PERYLENE	SW8270	10 U		UG/L	10
MW524	MW52	BENZO(a,h,i)PHENANTHRENE	SW8270	10 U		UG/L	10
MW524	MW52	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW524	MW52	Bis(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW524	MW52	Bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW524	MW52	Bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10 U		UG/L	10
MW524	MW52	CARBAZOLE	SW8270	10 U		UG/L	10
MW524	MW52	CHRYSENE	SW8270	10 U		UG/L	10
MW524	MW52	Dih-n-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW524	MW52	Dih-n-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
MW524	MW52	DIBENZO(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW524	MW52	DIBENZO(f,h,i)ANTHRACENE	SW8270	10 U		UG/L	10
MW524	MW52	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW524	MW52	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW524	MW52	FLUORANTHENE	SW8270	10 U		UG/L	10

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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	ISOPHORENE	SW8270	10 U		UG/L	10
MW524	MW52	N-NITROSODIPROPYLAMINE	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	ALUMINUM	SW6010	79 U		UG/L	7.9
MW534	MW53	ANTIMONY	SW6010	1.7 U		UG/L	1.7
MW534	MW53	ARSENIC	SW6010	1.4 U		UG/L	1.4
MW534	MW53	BARIUM	SW6010	64.8 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

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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	DIBROMOFLUOROMETHANE	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	103		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-DIMETHYL-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

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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	50 U		UG/L	50
MW534	MW53	4-NITROANILINE	SW8270	50 U		UG/L	50
MW534	MW53	4-NITROPHENOL	SW8270	10 U		UG/L	10
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	BENZ(a)ANTHRACENE	SW8270	10 U		UG/L	10
MW534	MW53	BENZ(b)PYRENE	SW8270	10 U		UG/L	10
MW534	MW53	BENZOF(b)FLUORANTHENE	SW8270	10 U		UG/L	10
MW534	MW53	BENZOF(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW534	MW53	BENZYL BUTYL 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	DH-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW534	MW53	DIBENZ(a,h)ANTHRACENE	SW8270	10 U		UG/L	10
MW534	MW53	DIBENZOFURAN	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

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Protective Standard	Units	Detection Limit
MW534	MW53	FLUORENE	SW8270	10 U	10 U	UG/L	10
MW534	MW53	HEXACHLOROBENZENE	SW8270	10 U	10 U	UG/L	10
MW534	MW53	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U	10 U	UG/L	10
MW534	MW53	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U	10 U	UG/L	10
MW534	MW53	HEXACHLOROETHANE	SW8270	10 U	10 U	UG/L	10
MW534	MW53	INDENO(1,2,3-c,d)PYRENE	SW8270	10 U	10 U	UG/L	10
MW534	MW53	ISOPHORENE	SW8270	10 U	10 U	UG/L	10
MW534	MW53	N-NITROSO-DI-N-PROPYLAMINE	SW8270	10 U	10 U	UG/L	10
MW534	MW53	N-NITROSO-DIETHYLAMINE	SW8270	10 U	10 U	UG/L	10
MW534	MW53	NAPHTHALENE	SW8270	10 U	10 U	UG/L	10
MW534	MW53	NITROBENZENE	SW8270	10 U	10 U	UG/L	10
MW534	MW53	NITROBENZENE-D5	SW8270	74	74	UG/L	0
MW534	MW53	PENTACHLOROPHENOL	SW8270	5 U	5 U	UG/L	5
MW534	MW53	PHENANTHRENE	SW8270	10 U	10 U	UG/L	10
MW534	MW53	PHENOL	SW8270	10 U	10 U	UG/L	10
MW534	MW53	PHENOL-D5	SW8270	64	64	UG/L	0
MW534	MW53	PYRENE	SW8270	10 U	10 U	UG/L	10
MW534	MW53	TERPHENYL-D14	SW8270	73	73	UG/L	0
MW544	MW54	ETHANE	SW3810	0.79 U	0.79 U	UG/L	0.79
MW544	MW54	ETHENE	SW3810	0.82 U	0.82 U	UG/L	0.82
MW544	MW54	METHANE	SW3810	0.41 U	0.41 U	UG/L	0.41
MW544	MW54	ALUMINUM	SW6010	37.9 U	37.9 U	UG/L	7.9
MW544	MW54	ANTIMONY	SW6010	1.7 U	1.7 U	UG/L	1.7
MW544	MW54	ARSENIC	SW6010	1.4 U	1.4 U	UG/L	1.4
MW544	MW54	BARIUM	SW6010	67 U	67 U	UG/L	0.48
MW544	MW54	BERYLLIUM	SW6010	0.02 U	0.02 U	UG/L	0.02
MW544	MW54	CADMIUM	SW6010	0.1 U	0.1 U	UG/L	0.1
MW544	MW54	CALCIUM	SW6010	12400 =	12400 =	UG/L	23.7
MW544	MW54	CHROMIUM TOTAL	SW6010	2.9 U	2.9 U	UG/L	1
MW544	MW54	COBALT	SW6010	0.6 U	0.6 U	UG/L	0.5
MW544	MW54	COPPER	SW6010	1 U	1 U	UG/L	1
MW544	MW54	IRON	SW6010	208 U	208 U	UG/L	3.5
MW544	MW54	LEAD	SW6010	1.3 U	1.3 U	UG/L	1.3
MW544	MW54	MAGNESIUM	SW6010	6400 =	6400 =	UG/L	0.2
MW544	MW54	MANGANESE	SW6010	1.7 U	1.7 U	UG/L	0.53
MW544	MW54	NICKEL	SW6010	0.3 U	0.3 U	UG/L	0.3
MW544	MW54	POTASSIUM	SW6010	824 U	824 U	UG/L	824
MW544	MW54	SELENIUM	SW6010	1.6 U	1.6 U	UG/L	1.6
MW544	MW54	SILVER	SW6010	0.5 U	0.5 U	UG/L	0.5
MW544	MW54	SODIUM	SW6010	15600 =	15600 =	UG/L	114.2
MW544	MW54	THALLIUM	SW6010	1.6 U	1.6 U	UG/L	1.6
MW544	MW54	VANADIUM	SW6010	0.3 U	0.3 U	UG/L	0.3
MW544	MW54	ZINC	SW6010	7.6 U	7.6 U	UG/L	1.1

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW544	MW54	MERCURY	SW7470	0.1 U		UG/L	0.1
MW544	MW54	1,1,1-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW544	MW54	1,1,2,2-TETRACHLOROETHANE	SW8260	10 U		UG/L	10
MW544	MW54	1,1,2-TRICHLOROETHANE	SW8260	10 U		UG/L	10
MW544	MW54	1,1-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW544	MW54	1,1-DICHLOROETHENE	SW8260	10 U		UG/L	10
MW544	MW54	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW544	MW54	1,2-DICHLOROPROPANE	SW8260	10 U		UG/L	10
MW544	MW54	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	10 U		UG/L	10
MW544	MW54	2-HEXANONE	SW8260	10 U		UG/L	10
MW544	MW54	ACETONE	SW8260	10 U		UG/L	10
MW544	MW54	BENZENE	SW8260	10 U		UG/L	10
MW544	MW54	BROMODICHLOROMETHANE	SW8260	10 U		UG/L	10
MW544	MW54	BROMOFORM	SW8260	10 U		UG/L	10
MW544	MW54	BROMOMETHANE	SW8260	10 U		UG/L	10
MW544	MW54	CARBON DISULFIDE	SW8260	10 U		UG/L	10
MW544	MW54	CARBON TETRACHLORIDE	SW8260	2 J		UG/L	10
MW544	MW54	CHLOROBENZENE	SW8260	10 U		UG/L	10
MW544	MW54	CHLOROETHANE	SW8260	10 U		UG/L	10
MW544	MW54	CHLOROFORM	SW8260	1 J		UG/L	10
MW544	MW54	CHLOROMETHANE	SW8260	10 U		UG/L	10
MW544	MW54	CHL-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW544	MW54	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW544	MW54	DIBROMOFLUOROMETHANE	SW8260	99		UG/L	0
MW544	MW54	ETHYLBENZENE	SW8260	10 U		UG/L	10
MW544	MW54	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10 U		UG/L	10
MW544	MW54	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10 U		UG/L	10
MW544	MW54	METHYLENE CHLORIDE	SW8260	2 J		UG/L	10
MW544	MW54	STYRENE	SW8260	10 U		UG/L	10
MW544	MW54	TETRACHLOROETHYLENE (PCE)	SW8260	2 J		UG/L	10
MW544	MW54	TOLUENE	SW8260	10 U		UG/L	10
MW544	MW54	TOLUENE-06	SW8260	10 U		UG/L	10
MW544	MW54	TOTAL 1,2-DICHLOROETHENE	SW8260	12 =		UG/L	10
MW544	MW54	Total Xylenes	SW8260	10 U		UG/L	10
MW544	MW54	trans-1,3-DICHLOROPROPENE	SW8260	10 U		UG/L	10
MW544	MW54	TRICHLOROETHYLENE (TCE)	SW8260	180 =		UG/L	10
MW544	MW54	VINYL CHLORIDE	SW8260	10 U		UG/L	10
MW544	MW54	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW544	MW54	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW544	MW54	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW544	MW54	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW544	MW54	2,2-DICHLOROPROPANE	SW8270	10 U		UG/L	10
MW544	MW54	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50

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4th Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Protect Qualifier	Units	Detection Limit
MW544	MW54	2,4,6-TRIBROMOPHENOL	SW8270	58		UG/L	0
MW544	MW54	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW544	MW54	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW544	MW54	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW544	MW54	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW544	MW54	2,4-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW544	MW54	2,6-DINITROTOLUENE	SW8270	10 U		UG/L	10
MW544	MW54	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW544	MW54	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW544	MW54	2-FLUOROBIPHENYL	SW8270	48		UG/L	0
MW544	MW54	2-FLUOROPHENOL	SW8270	58		UG/L	0
MW544	MW54	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW544	MW54	2-METHYLPHENOL (o-CRESOL)	SW8270	10 U		UG/L	10
MW544	MW54	2-NITROANILINE	SW8270	50 U		UG/L	50
MW544	MW54	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW544	MW54	3,3-DICHLOROBENZIDINE	SW8270	20 U		UG/L	20
MW544	MW54	3-NITROANILINE	SW8270	50 U		UG/L	50
MW544	MW54	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
MW544	MW54	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW544	MW54	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
MW544	MW54	4-CHLOROANILINE	SW8270	10 U		UG/L	10
MW544	MW54	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
MW544	MW54	4-METHYLPHENOL (p-CRESOL)	SW8270	10 U		UG/L	10
MW544	MW54	4-NITROANILINE	SW8270	50 U		UG/L	50
MW544	MW54	4-NITROPHENOL	SW8270	50 U		UG/L	50
MW544	MW54	ACENAPHTHENE	SW8270	10 U		UG/L	10
MW544	MW54	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
MW544	MW54	ANTHRACENE	SW8270	10 U		UG/L	10
MW544	MW54	BENZO(a)ANTHRACENE	SW8270	10 U		UG/L	10
MW544	MW54	BENZOF(b)PYRENE	SW8270	10 U		UG/L	10
MW544	MW54	BENZO(g)FLUORANTHENE	SW8270	10 U		UG/L	10
MW544	MW54	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW544	MW54	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW544	MW54	DI(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW544	MW54	DI(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW544	MW54	DI(2-ETHYLHEXYL) PHTHALATE	SW8270	10 U		UG/L	10
MW544	MW54	CARBAZOLE	SW8270	10 U		UG/L	10
MW544	MW54	CHRYSENE	SW8270	10 U		UG/L	10
MW544	MW54	DI-n-BUTYL PHTHALATE	SW8270	1 U		UG/L	10
MW544	MW54	DI-n-OCTYLPHTHALATE	SW8270	10 U		UG/L	10
MW544	MW54	DI(BENZ(a)ANTHRACENE	SW8270	10 U		UG/L	10
MW544	MW54	DI(BENZOFLURAN	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
MW544	MW54	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW544	MW54	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
MW544	MW54	FLUORANTHENE	SW8270	10 U		UG/L	10
MW544	MW54	FLUORENE	SW8270	10 U		UG/L	10
MW544	MW54	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
MW544	MW54	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
MW544	MW54	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
MW544	MW54	INDENO(1,2,3-c,d)PYRENE	SW8270	10 U		UG/L	10
MW544	MW54	ISOPHORONE	SW8270	10 U		UG/L	10
MW544	MW54	N-NITROSODI-N-PROPYLAMINE	SW8270	10 U		UG/L	10
MW544	MW54	N-NITROSODIPHENYLAMINE	SW8270	10 U		UG/L	10
MW544	MW54	NAPHTHALENE	SW8270	10 U		UG/L	10
MW544	MW54	NITROBENZENE	SW8270	10 U		UG/L	10
MW544	MW54	NITROBENZENE-D5	SW8270	69		UG/L	0
MW544	MW54	PENTACHLOROPHENOL	SW8270	50		UG/L	5
MW544	MW54	PHENANTHRENE	SW8270	10 U		UG/L	10
MW544	MW54	PHENOL	SW8270	10 U		UG/L	10
MW544	MW54	PHENOL-D5	SW8270	63		UG/L	0
MW544	MW54	PYRENE	SW8270	10 U		UG/L	10
MW544	MW54	TERPHENYL-D14	SW8270	62		UG/L	0
MW544D	MW54	1,2,4-TRICHLOROBENZENE	SW8270	10 U		UG/L	10
MW544D	MW54	1,2-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW544D	MW54	1,3-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW544D	MW54	1,4-DICHLOROBENZENE	SW8270	10 U		UG/L	10
MW544D	MW54	2,2'-OXYBIS(1-CHLOROPROPANE)	SW8270	10 U		UG/L	10
MW544D	MW54	2,4,5-TRICHLOROPHENOL	SW8270	50 U		UG/L	50
MW544D	MW54	2,4,6-TRIBROMOPHENOL	SW8270	55		UG/L	0
MW544D	MW54	2,4,6-TRICHLOROPHENOL	SW8270	10 U		UG/L	10
MW544D	MW54	2,4-DICHLOROPHENOL	SW8270	10 U		UG/L	10
MW544D	MW54	2,4-DIMETHYLPHENOL	SW8270	10 U		UG/L	10
MW544D	MW54	2,4-DINITROPHENOL	SW8270	50 U		UG/L	50
MW544D	MW54	2,4-DINITROTOLENE	SW8270	10 U		UG/L	10
MW544D	MW54	2,6-DINITROTOLENE	SW8270	10 U		UG/L	10
MW544D	MW54	2-CHLORONAPHTHALENE	SW8270	10 U		UG/L	10
MW544D	MW54	2-CHLOROPHENOL	SW8270	10 U		UG/L	10
MW544D	MW54	2-FLUOROBIPHENYL	SW8270	45		UG/L	0
MW544D	MW54	2-FLUOROPHENOL	SW8270	56		UG/L	0
MW544D	MW54	2-METHYLNAPHTHALENE	SW8270	10 U		UG/L	10
MW544D	MW54	2-METHYLPHENOL (O-CRESOL)	SW8270	10 U		UG/L	10
MW544D	MW54	2-NITROANILINE	SW8270	50 U		UG/L	50
MW544D	MW54	2-NITROPHENOL	SW8270	10 U		UG/L	10
MW544D	MW54	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	Protect Qualifier	Units	Detection Limit
1	MW544D	MW54	3-NITROANILINE	SW8270	50 U		UG/L	50
2	MW544D	MW54	4,6-DINITRO-2-METHYLPHENOL	SW8270	50 U		UG/L	50
3	MW544D	MW54	4-BROMOPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
4	MW544D	MW54	4-CHLORO-3-METHYLPHENOL	SW8270	10 U		UG/L	10
5	MW544D	MW54	4-CHLOROANILINE	SW8270	10 U		UG/L	10
6	MW544D	MW54	4-CHLOROPHENYL PHENYL ETHER	SW8270	10 U		UG/L	10
7	MW544D	MW54	4-METHYLPHENOL (P-CRESOL)	SW8270	10 U		UG/L	10
8	MW544D	MW54	4-NITROANILINE	SW8270	50 U		UG/L	50
9	MW544D	MW54	4-NITROPHENOL	SW8270	50 U		UG/L	50
10	MW544D	MW54	ACENAPHTHENE	SW8270	10 U		UG/L	10
11	MW544D	MW54	ACENAPHTHYLENE	SW8270	10 U		UG/L	10
12	MW544D	MW54	ANTHRACENE	SW8270	10 U		UG/L	10
13	MW544D	MW54	BENZOXANTHRACENE	SW8270	10 U		UG/L	10
14	MW544D	MW54	BENZOPYRENE	SW8270	10 U		UG/L	10
15	MW544D	MW54	BENZOFULVANTHENE	SW8270	10 U		UG/L	10
16	MW544D	MW54	BENZOFULVANTHENE	SW8270	10 U		UG/L	10
17	MW544D	MW54	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
18	MW544D	MW54	DBP(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
19	MW544D	MW54	DBP(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
20	MW544D	MW54	DBP(2-ETHYLHEXYL) PHTHALATE	SW8270	2 U		UG/L	10
21	MW544D	MW54	CARBAZOLE	SW8270	10 U		UG/L	10
22	MW544D	MW54	CHRYSENE	SW8270	10 U		UG/L	10
23	MW544D	MW54	DHP-BUTYL PHTHALATE	SW8270	10 U		UG/L	10
24	MW544D	MW54	DHP-OCTYL PHTHALATE	SW8270	10 U		UG/L	10
25	MW544D	MW54	DIBENZ(G,H)ANTHRACENE	SW8270	10 U		UG/L	10
26	MW544D	MW54	DIBENZOFURAN	SW8270	10 U		UG/L	10
27	MW544D	MW54	DIETHYL PHTHALATE	SW8270	10 U		UG/L	10
28	MW544D	MW54	DIMETHYL PHTHALATE	SW8270	10 U		UG/L	10
29	MW544D	MW54	FLUORANTHENE	SW8270	10 U		UG/L	10
30	MW544D	MW54	FLUORENE	SW8270	10 U		UG/L	10
31	MW544D	MW54	HEXACHLOROBENZENE	SW8270	10 U		UG/L	10
32	MW544D	MW54	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
33	MW544D	MW54	HEXACHLOROCYCLOPENTADIENE	SW8270	10 U		UG/L	10
34	MW544D	MW54	HEXACHLOROETHANE	SW8270	10 U		UG/L	10
35	MW544D	MW54	INDENOL(1,2,3-C)PYRENE	SW8270	10 U		UG/L	10
36	MW544D	MW54	ISOPHORENE	SW8270	10 U		UG/L	10
37	MW544D	MW54	N-NITROSO-D,L-PROPYLAMINE	SW8270	10 U		UG/L	10
38	MW544D	MW54	N-NITROSO-DIPHENYLAMINE	SW8270	10 U		UG/L	10
39	MW544D	MW54	NAPHTHALENE	SW8270	10 U		UG/L	10
40	MW544D	MW54	NITROBENZENE	SW8270	10 U		UG/L	10
41	MW544D	MW54	NITROBENZENE D5	SW8270	60		UG/L	60
42	MW544D	MW54	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
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	ALUMINUM	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	1,1,2-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	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW554	MW55	1,2-DICHLOROETHANE	SW8260	10 U		UG/L	10
MW554	MW55	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	10 U		UG/L	10
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	DIBROMOCHLOROMETHANE	SW8260	10 U		UG/L	10
MW554	MW55	DIBROMOFUOROMETHANE	SW8260	10 U		UG/L	10
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-D8	SW8260	10 U		UG/L	10
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-DICHLOROPROPANE	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	60		UG/L	60
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	72
MW554	MW55	2-FLUOROPHENOL	SW8270	62		UG/L	62
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	BENZOF(b)PYRENE	SW8270	10 U		UG/L	10
MW554	MW55	BENZO(b)FLUORANTHENE	SW8270	10 U		UG/L	10
MW554	MW55	BENZO(k)FLUORANTHENE	SW8270	10 U		UG/L	10
MW554	MW55	BENZYL BUTYL PHTHALATE	SW8270	10 U		UG/L	10
MW554	MW55	bis(2-CHLOROETHOXY) METHANE	SW8270	10 U		UG/L	10
MW554	MW55	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10 U		UG/L	10
MW554	MW55	bis(2-ETHYLHEXYL) 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	INDENOL(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	Protect Quantities	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

291 322

Appendix C
Purge/Sample Logs

GROUNDWATER SAMPLING DATA SHEET

nt: ODMT

Well ID: MW-02

Location: Memphis, TN

Sample ID: MW024 \rightarrow MW024D

Quarterly Well Sampling

Date: 3/27/98

Weather: cloudy + 60's

Sample Team: L. Fyfe / CH2M Hill - ARZ

S. Allison / CVMH Hill-ATC

Total Depth: 25 FT.(BTOC) 1

Measuring Device: Water Level Indicator

Depth to water: (-) 28.33 FT.(BTOC)

Date and Time: 9/23/98: 1718

Water Column: 11.23 FT.

WELL DIAMETER

(x) 0.16 GAL/FT. [(2" DIA. = 0.163 GAL/FT.) (4" DIA. = 0.653 GAL/FT.)]

Well Volume: 1.5 GAL

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

Total Purge Volume: 5 GAL

Purge Device: new Disp. Teflon Bailer

FIELD PARAMETERS

[illegible]

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

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

Sample Time 3/27/98 : 1440

Sample Appearance metallic silver

NOTES:

- Bailed well due to slow recharge
- DO concentrations are highly elevated due to bailing (suspect)
- collected VOR Dup samples.
- Used same lifted bailer to purge sample well.
- collected desk-top turbidity sample (after metals)

by: John D. [unclear] - 2/23/98

Date _____

GROUNDWATER SAMPLING DATA SHEET

DDMT

Well ID: MW-D8

Location: Memphis, TN

Sample ID: MW084

Event: Quarterly Well Sampling

Sample ID: MW084

Date: 3-30-98

Sample Team: Elizabeth Germino

Weather: partly cloudy, 10-17 mph WDS

Pro Treble

Total Depth: 6848 FT.(BTOC)

Measuring Device: Water Level Indicator

Depth to water: (-) 58.02 FT.(BTWC)

Date and Time: 3-30-98 0929

Water Column: 10.16 FT.

WELL DIAMETER

(x)	0.163	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: 8.5 GAL

Purge Device: 2 in submersible Grundfos pump & dedicate 1/2" galen tubing

FIELD PARAMETERS

[illegible]

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 0950 3-30-98

Sample Appearance	cloudy
-------------------	--------

Notes:

Oil samples collected from the pump discharge line include a
dash top turned by

Signed by: Elizabeth Cermeno

3-30-98

Date _____

GROUNDWATER SAMPLING DATA SHEET

Well ID: MW-09

Sample ID: MW094

Sample Team: Elizabeth Germunaro

Bob Trebble

Total Depth: 798 FT.(BTOC) 1

Measuring Device: Water Level Indicator

Depth to water: (.) 71.43 FT.(BTOC)

Date and Time: 3-26-48 1328

Water Column: $\frac{0.15}{8.37}$ FT.

WELL DIAMETER

(x) 0.1103 GAL/FT. [(2" DIA. = 0.163 GAL/FT.) (4" DIA. = 0.653 GAL/FT.)]

Well Volume: 1.4 GAL

Total Purge Volume: 4.2 GAL

Purge Device: 2 in. submersible Aquadag pump & dedicated noeline tubing

FIELD PARAMETERS

[illegible]

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

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

Sample Time 1345 3-26-98

Sample Appearance	Clear
-------------------	-------

Notes:

Collect desk top turbidity & TSS from Pump discharge line
collected VOA from ~~desk top~~ new desk. Teflon barrels

Signed by: Wesley A. Gering

3-26-98

Date _____

GROUNDWATER SAMPLING DATA SHEET

Agent: DDMT

Well ID: MW-10

Location: Memphis, TN

Sample ID: MW104

Event: Quarterly Well Sampling

Sample Team: Elizabeth Germundo

Date: 3-28-98

Weather: partly cloudy, mid 70s, 10-12 mph

Baritone

Total Depth: 168.02 FT.(BTOC)

Measuring Device: Water Level Indicator

Depth to water: (-) 57.81 FT. (BTWC)

Date and Time: 3-28-98 1327

Water Column:	10.2	FT.
---------------	------	-----

WELL DIAMETER

(x) 21.7 0.163 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: 5.1 GAL.

Purge Device: San. submersible grinder pump & dedicated No. 10 hose

FIELD PARAMETERS

[illegible]

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;

Sample Time 1346 3-28-96

Sample Appearance	Clear
-------------------	-------

Notes:

Ques. All samples taken from pump discharge line
Desk top turbidity taken
Spent taken

Signed by: Elizabeth Germann

3-28-98
Date

GROUNDWATER SAMPLING DATA SHEET:

ment: DDMT

Well ID: MW-15

City: Memphis, TN

Sample ID: MW154

Event: Quarterly Well Sampling

Date: 5/28/98

Weather: Snow, Wind 80°

Sample Team: T. Prober / D. Morris

Total Depth: 78.4 FT.(BTOC) 1

Measuring Device: Water Level Indicator

Depth to water: (-) 24.2 FT.(BTOW)

Date and Time: 1420 77

Water Column: 74.5 FT.

WELL DIAMETER

(K)	0.12	GAL/FT.
-----	------	---------

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

Well Volume: 2.47 GAL.

(1" DIA = 0.041 GAL/ET) (1 1/4" DIA = 0.064 GAL/ET)

Total Purge Volume: 0.22 GAL

Purge Device: 2" Dia. Grounded Schneable Pump / VSI 610 B Wk. 1/20/74 Mto

FIELD PARAMETERS

[illegible]

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

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

Dair

5/28/98

CH2MHILL

Project Number: 113530.23.03

291 342

GROUNDWATER SAMPLING DATA SHEET

DDMT
Location: Memphis, TN
Event: Quarterly Well Sampling
Date: 3/27/98
Weather: 60s, sunny, windy

Well ID: MW-22
Sample ID: MW224
Sample Team: D. Maxson, C. H. Hill / ATL
T. Krueger, C. H. Hill / ATL

Total Depth: 107.0 FT.(BTOC) I
Depth to water: (-) 96.04 FT.(BTOC)
Water Column: 10.94 FT.
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

Measuring Device: Water Level Indicator
Date and Time: 3/24/98
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
1731	2.5	18.39	0.489	8.90	6.26	102.4	1530.3	reddish brown
1740	5	20.00	0.479	11.22	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, etc.
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 BTOC using a new 1" Teflon bailer. The bailer was left above the water overnight.

Signed by:

Jana O. Papper

3/27/98

Date

GROUNDWATER SAMPLING DATA SHEET

Well ID: MW-23

Sample ID: MW234

Sample Team: Elizabeth Germinaro
Bob Trebble

Bob Trebble

Weather: cloudy low 60's

Measuring Device: Water Level Indicator

Date and Time: 3-22-48 0827

WELL DIAMETER

(x) 0.163 GAL/FT.

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

Purge Device: 2 in submersible Grundfos pumps dedicated Nalgene tubing

FIELD PARAMETERS

[illegible]

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

MEK (3) 40ml vials. None

ES 500W HDPE, NOKAL

ES 500m (HDP E, HND3 DH < 2)

Sample Time 0845 3-26-98

Sample Appearance Clear

Notes:

Collect disk top turbidity & all samples (except VOC) from pump discharge line
Collect VOC samples in screen interval w/ disp. Teflon basket
CO₂ chld MEE samples at same time as VOC

Signed by: Elizabeth Germinaro

3-26-98
Date

GROUNDWATER SAMPLING DATA SHEET

ent: DDMT

Well ID: MW-29

Location: Memphis, TN

Sample ID: MW294

Event: Quarterly Well Sampling

Sample Team: Elizabeth Germinaro

Date: 3-28-98

Weather: Partly cloudy mid 70's 10-12 mph

Top Treble

Total Depth: 53.78 FT.(BTOC) 1

Measuring Device: Water Level Indicator

Depth to water: (-) 3.0 FT. (BTOC)

Date and Time: 3-28-98 1500 EST

Water Column: $\frac{17.88}{17.88}$ FT.

WELL DIAMETER

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

Well Volume: 2.8 GAL

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

Total Purge Volume: 0.4 GAL

Purge Device: 2 in. submersible Grundfos pump & dedicated NaOCl tubing

FIELD PARAMETERS

[illegible]

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

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

Sample Time 1500 3-28-98

Sample Appearance	clear
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Notes:

Notes: All samples including desk top turbidity taken at pump discharge pump #3.

Signed by: Ellyabuth G. Arminaw

Dale

Project Number: 113530.23.03

GROUNDWATER SAMPLING DATA SHEET

Location: Memphis, TN
Event: Quarterly Well Sampling
Date: 3-24-98
Weather: clear ~60°F

Well ID: MW-30

Sample ID: MW304

Sample Team: E. Germinaro
BT

Total Depth: 60 FT.(ETOC))

Depth to water: (-) 43.02 FT.(BTWC)

Water Column: 16.98 FT

(x) 163 GAL/FT.

Well Volume: 2.8 GAL

Total Puree Volume:	8.4	GAL.
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Purge Device: 2in. submersible Grundfos pump ^{discharge to waste tubing} GPM = 3.5 gal/

Project Number: 113830.23.03

GROUNDWATER SAMPLING DATA SHEET

QDMT

Well ID: MW-33

Location: Memphis, TN

Sample ID: MW334

Event: Quarterly Well Sampling

Date: 3-25-98

Weather: Sunny mid 60's

Sample Team: Eq. BT

El Esteban Quintero: Bob Taylor

Total Depth: 0 59.1 FT.(BTOC) 1

Measuring Device: Water Level Indicator

Depth to water: (-) 47.91 FT.(BTOC)

Date and Time: 3-25-98

Water Column: $\frac{11.19}{11.19}$ FT.

WELL DIAMETER

(x) ~~1.7~~ 1.63 GAL/FT. (2" DIA. = 0.163 GAL/FT.) (4" DIA. = 0.653 GAL/FT.)

Well Volume: 1.8 GAL.

(1" DIA.= 0.04 GAL/FT.) (1 1/4" DIA.= 0.064 GAL/FT.)

Total Purge Volume: 9.0 GAL.

Purge Device: Ein submersibles Grundesumpfs ist dedicated Vent to be used

FIELD PARAMETERS

[illegible]

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

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

Sample Time 1205 3-25-98

Sample Appearance grayish & cloudy

Notes

after purging removed pump & samples for VOA taken

W/ Keller (disposable Teflon)

Cr³⁺ added, dark too turbid, sample from around discharge line

lect all samples (except VOC's) thru auto discharge line

ordered bales to screen interval to collect VOC's

Signed by: Elizabeth Hernandez

3-25-98

Date _____

Well ID: MW-34

Sample ID: MW344 E MW344D

Date: 3-27-98

Weather: partly cloudy; mid 60's, 5-10 mph

Sample Team: Elizabeth Germundo

Bob Trebble

Total Depth: 1103.38 FT. (BTOC) 1

Measuring Device: Water Level Indicator

Depth to water: (-) 34.25 FT.(BTOC)

Date and Time: 3-27-98 1602

Water Column: 89.13 FT.

WELL DIAMETER

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

Well Volume: 4.7 GAL.

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

Total Purge Volume: 4.1 GAL.

Purge Device: 2-in. Submersible Groundwater Pump & 1/2 in. PVC tubing

FIELD PARAMETERS

[illegible]

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; TRITIUM, 2 L Amber Glass, None; VOA, 40 ml vial, HCl, pH < 2.0, 4 deg C;

ES 500ml HDPE, HND: ES 500ml HDPE, None:

VOA, (3) 40mL vial; HCl, pH < 2.0, 4°C, duplicate

Sample Time 1030 3-27-98

Sample Appearance	Clear
-------------------	-------

Notes:

VOR dep. taken here

All samples taken from the discharge pipeline w/ pump @ scheneb
station

Signed by: Elizabeth Germinaro

3-27-98
Date

Project Number: 113630.23.03

GROUNDWATER SAMPLING DATA SHEET

ODMT

Well ID: MW-37

in: Memphis, TN

Sample ID: MW374

Quarterly Well Sampling

3/27/98

Sample Team: D. Hession, C. Hession / ATL

70%, sunny / windy

T. P. Hession, C. Hession / ATL

Depth: 183.55 FT.(BTOT) 1

Measuring Device: Water Level Indicator

Water: (-) 124.6 FT.(BTOT)

Date and Time: 3/27/98 - 0949

Column: 58.15 FT.

WELL DIAMETER

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

Volume: 10.02 GAL

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

Surge Volume: 37.0 GAL

Device: Groundwater pump, dedicated tubing (Nalgene-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
12	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	it 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	119.0/25.3 ntu	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	1.53	6.56	-21.9	NA 124.5 ntu	clear
27.0	19.84	0.374	4.07	6.57	-22.2	NA 219.3 ntu	clear
32.0	19.65	0.378	1.52	6.54	-21.9	NA 424.0 ntu	clear
35.0	19.87	0.376	1.48	6.54	-22.0	NA 505.9 ntu	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.

Red split samples for SUDs, metals, and VOCs.

20.5 gpc

any collected thru pump discharge line.

One water sample from pump line for benchtop turbidity measurement.

Jane D. Pappas

3/27/98

Date

Project Number: 113630.23.03

GROUNDWATER SAMPLING DATA SHEET

DDMT

Well ID: MW-38

Location: Memphis, TN

Sample ID: MW384

Event: **Quarterly Well Sampling**

Date: 3/26/08

Weather: SDS, cloudy, w. wind

Sample Team: D. Maxion, (674611/172)

T. Langer, C. G. & M. L. 1826

Total Depth: 154.0 FT.(BTOC)

Measuring Device: Water Level Indicator

Depth to water: (-) 130.35 FT. (BTOW)

Date and Time: 3/24/18 0919

Water Column: 33.5 FT.

WELL DIAMETER

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

Well Volume: 4.03 GAL

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

Total Purge Volume: 10 GAL.

Purge Device: Grain bins, pump — dedicated Waigama Yalony (reinforced)

FIELD PARAMETERS

[illegible]

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 1532 (3/26/87) - 5 VOLTs, metals; 1555 - VOLTs

Sample Appearance	Clear
-------------------	-------

Notes:

- Purged 5 gal. before taking fall pots well.
- Flow stopped at 1517 after purged 5 gal (10 gal total). Allowed water to exchange before collected surfs. metals.
- 1" samples but WGs collected thru pump discharge line.
- 5 collected (after pulling pump) w/ new, disp. To Flag bailer.
- Collect water sample from pump line for beaching turbidity measurement.
- Lowered bailer to screen interval to collect WGs.

Signed by: Tara O. Propper

3/26/98

Date _____

Project Number: 113630.23.03

GROUNDWATER SAMPLING DATA SHEET

DDMT

Well ID: MW-39

Location: Memphis, TN

Sample ID: MW394

Quarterly Well Sampling

DATE: 3/27/68

Weather: 70s, sunny, windy

Sample Team: J. Norton, C. Smith, G. Hill / HSC

T. P. Roger, CH2 & Hill / ASU

Total Depth: 115.02 FT.(BTOC)

Measuring Device: Water Level Indicator

Depth to water: (-) 1016.31 FT. (BTWC)

Date and Time: 3/24/98 - 0953

Water Column: 3.76 FT.

WELL DIAMETER

(x) 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: gunshot pump, dedicated tubing (reinforced)

FIELD PARAMETERS

[illegible]

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 3/27/87 • 1648

Sample Appearance Clear

Notes:

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

Submitted by: Jana O'Neen

3/27/88
Date

CH2MHILL

Project Number- 113630.23.03

291 362

GROUNDWATER SAMPLING DATA SHEET

01: DDMT

Well ID: MW-42

Location: Memphis, TN

Sample ID: MW424 MW 424D, + MW 424M

Quarterly Well Sampling

Sample Team: L. Furlow / CH2M Hill - ATL

Date: March 22, 1998

Weather: warm 70's

S. Hall 404 / CH 204 Hill-ATL

Total Depth: **59.1** FT.(BTOC) 1

Measuring Device: Water Level Indicator

Depth to water: (-) 53.00 FT.(BTWC)

Date and Time: 3/23/77: 1502

Water Column: 6.1 FT.

WELL DIAMETER

(x) 0.14 GAL/FT. [(2" DIA. = 0.163 GAL/FT.) (4" DIA. = 0.653 GAL/FT.)]

Well Volume: GAL.

Total Purge Volume:	<u>2</u>	GAL.
---------------------	----------	------

Purge Device: new disc Teflon Bailer

FIELD PARAMETERS

[illegible]

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

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

plus 5×10^{-5} metals DUP & MS/MSA.

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

Sample Time 3/22/98: 1505

Sample Appearance metals - 113

Notes:

- collect desk-top turbidity sample (after metals)

- bailed well due to slow rephases

- DO concentrations are elevated due to bailing (3.5400)

Used Sure Teflon boiler to purge sample cell.

collected Dye + MS/MS samples (metals)

3 4 by:

Little 7

3/27/95

Date _____

291 363

GROUNDWATER SAMPLING DATA SHEET

DDMT

Well ID: ~~114-11~~ EG MW = 43

Location: Memphis, TN

Sample ID: ~~MM444B~~ ⁸⁹ ~~MM443A~~

Event: Quarterly Well Sampling

Date: 3-24-98

Sample Team: Elizabeth Gerni, m, m

Weather: cloudy, 60's

Bob Treagle

Total Depth: 0 101.40 FT.(BTOC) 1

Measuring Device: Water Level Indicator

Depth to water: (-) 0.00 FT. (BTWC)

Date and Time: 3-24-98 1420

Water Column: 0 FT.

WELL DIAMETER

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

Well Volume: _____ GAL

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

Total Purge Volume: _____ GAL

Purge Device: 2 in. Submersible pump - Grundfos & dedicated Naden tubing

FIELD PARAMETERS

[illegible]

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

TALMET, 1L HDPE, HNO₃ pH<2:

Sample Time

Sample Appearance

Notes:

Unable to pump - dropped in trailer - well is dry

Signed by:

Date

GROUNDWATER SAMPLING DATA SHEET

Well ID: MW-49

Sample ID: MW494

Sample Team: EA BT

Elizabeth Germanaro, Bob Trebble

Measuring Device: Water Level Indicator

Date and Time: 3-25-98 0935

WELL DIAMETER

(x) 0.163 GAL/FT. [(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.)

Total Purge Volume: 5.4 GAL

Purge Device: Deep submersible pressure mounted dedicated

FIELD PARAMETERS

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 Appearance	Clear
-------------------	-------

Notes:
after purging, removed pump, sampled VOC ~~with~~ w/ bailer (disposable
Teflon bailer)
collected desk-top turbidity sample from pump discharge line
collected water cell samples (except VOC's) thru pump discharge line
used bailer to screen interval to collect VOC's

3-25-98

Date _____

Project Number: 113630.23.03

GROUNDWATER SAMPLING DATA SHEET

Event: DDMT
Location: Memphis, TN
Event: Quarterly Well Sampling
Date: 3/28/98
Weather: P. Clouds warm (70°) windy

Well ID: MW-54

Sample ID: MW544 and Corp Solid

Sample Team: L. Furlow
S. Allison

Total Depth: 100.56 FT.(BTOC)

Depth to water: (-) 74.11 FT.(BTOW)

Water Column: 26.25 FT.

(x) 0.136 GAL/FT. [(2" DIA.= 0.163 GAL/FT.) (4" DIA. = 0.653 GAL/FT.)]

Well Volume: 3.1 GAL.

Total Purge Volume: 10.8 (~11) GAL.

Purge Device: Gundoo pump.

Measuring Device: Water Level Indicator

Date and Time: ~~3/2~~ 3/23/98

WELL DIAMETER

FIELD PARAMETERS

[illegible]

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, HQ, pH < 2.0, 4 deg C;

MEE (3) 40ml Wals, none

Sample Time 1525 3/22/97

Sample Appearance Clear

Notes:

Collected all samples with Grundfos pump and
saline tubing.

Signed by:

Date _____

Project Number: 113630.23.03

GROUNDWATER SAMPLING DATA SHEET

it DDMM

Well ID: MW-55

Location: Memphis, TN

Sample ID: MW554

Event: Quarterly Well Sampling

Date: 2-25-98

Weather: Sunny 70's 10-15 mph

Total Depth: 094.08 FT.(BTOTC) 1

Depth to water: (-) 69.45 FT. (BTWC)

Water Column: $\frac{2.11 \times 10^4}{4.63}$ FT.

(x) 0.163 GAL/FT.

Well Volume: 0.8 GAL.

Total Purge Volume: 4.0 GAL

Purge Device: 200 Submersible

Measuring Device: Water Level Indicator

Date and Time: 3-25-98 1547

WELL DIAMETER

FIELD PARAMETERS

[illegible]

(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; WQ, 1L HDPE, None;

Sample Time 1605 3-25-98

Sample Appearance Water clear. Eg. Samples clear except VOA turbid

NOTES:

NOTES:
After purging, removed pump & sampled VOA w/ bailer (disp Teflon)
collected disp. too turbid sample from pump discharge line.
collected all samples (except VOC) thru pump discharge line.
used bailer to screen material to collect VOC's

Signed by: Elizabeth Cummings

3-25-98

Date _____

Appendix D
Field Notes

DDMT

Quarterly Well

Sampling

113630 23 03

*"Rite in the Rain"*

ALL-WEATHER

Mining Transit

No 323

DDMT

Manganese, TN

3/23/48

Team A - Book I

[illegible]

Monday March 23, 1998 - 3-

ARRIVE AT MEMPHIS DEPT.
MEET W/ BOB TREBBLE/CHAM
HILL.

ORGANIZE	SAMPLING	EVENT
1. Organize the data into a table.	1. Sample the data at regular intervals.	1. Event 1: Initial data collection.
2. Organize the data into a table.	2. Sample the data at regular intervals.	2. Event 2: Data analysis.
3. Organize the data into a table.	3. Sample the data at regular intervals.	3. Event 3: Data visualization.
4. Organize the data into a table.	4. Sample the data at regular intervals.	4. Event 4: Data interpretation.
5. Organize the data into a table.	5. Sample the data at regular intervals.	5. Event 5: Data presentation.
6. Organize the data into a table.	6. Sample the data at regular intervals.	6. Event 6: Data conclusion.
7. Organize the data into a table.	7. Sample the data at regular intervals.	7. Event 7: Data summary.
8. Organize the data into a table.	8. Sample the data at regular intervals.	8. Event 8: Data final report.
9. Organize the data into a table.	9. Sample the data at regular intervals.	9. Event 9: Data final review.
10. Organize the data into a table.	10. Sample the data at regular intervals.	10. Event 10: Data final presentation.

OBJECTIVES:

- ORGANIZE EQUIP.
- SAMPLE 1 WEEK
- DECON EQUIP
- SITE-WIDE W. LEVELS

PERSONNEL (CHM Hill)

- L. Furlow, T. Proper, B. Trebble,
D. Marion & S. Allison

WEATHER

- PREDICT 60's, chance of rain, cloudy

0803 Go over project instructions + HHS Plan.

0843 Begin calibrating

YSH 610-D

Serial # : 1878832

CE. Lynch

Libby P. Furber

3/23/98

-4-

0851 Let DO probe sit (to achieve w-saturated air).

0859

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 # 87224-7 - solution

mixed 3/2/98

- read 6.99 before calib,

read 7.00 after of 7.00 bkr

CAS # 7558-79-4

Conductivity

- read 9963 of 10,000 μ S/cm

lot # 92F0260 of YSI 3168

exp. 12/98

Redox

- YSI 3682 206211 Sol

Mixed 3/2/98, lot # 9920737

exp. 1/00

File 1.7

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 gwo

sampling

1143 Sign for H&S plan

Bob Trebble Puttelle 3/23/98

Lillian Furlow File 1.7

Elizabeth Germinaro Elizabeth Germinaro

Tara O. Proyer Tara O. Proyer

Steven W. Allison

Daniel Marion

File 1.7 Furlow

3/23/98

-6-

1230 Lunch. Go buy tools.

1328 Back on Site

Collect equipment for
water level measurements1348 Begin collecting w. levels.
Use w. level indicator.
Decor probe between wells
w/ Deionized water.

1355 MW-52

DTGW BTAC = 72.75 ft.

Well Headspace (OVM) = 0 ppm

1400 Go pick up w. level
indicator (oppo.)

1408 MW-52

DTGW BTAC (N. side) = 72.75 ft.

1418 MW-45

Well head Hsp = 0 ppm
DTGW BTAC (N. side) = 53.60 ft.

File folder

3/23/98

-7-

1429 MW-51

well headspace (OVM) = NM-OVM

DTGW BTAC (N. side) = 37.33 ft.

1438 MW-30

DTGW BTAC (N. side) = 43.02 ft.

1446 MW-40

DTGW BTAC (N. side) = 76.80 ft.

1502 MW-42 (Behind church)

DTGW BTAC (N. side) = 53.00 ft.

1514 MW-44

DTGW BTAC (N. side) = 49.20 ft.

1522 MW-31

DTGW BTAC (N. side) = 64.15 ft.

1536 MW-32

DTGW BTAC (N. side) = NM ft.

MW-37

DTGW BTAC (N. side) = NM ft.

DTGW BTAC (N. side) = NM ft.

File folder

-8-

3/23/98

1539 MW-33 (under truck)
DTGW_{gtoc} (N. side) = 474.75 ft.

1553 MW-41
DTGW_{gtoc} (N. side) = ^{75.00 ft.} 64.20 ft.

1602 MW-48
DTGW_{gtoc} (N. side) = 78.68 ft.

1610 MW-47
DTGW_{gtoc} (N. side) = 101.50 ft.

1620 MW-36
DTGW_{gtoc} (N. side) = 149.08 ft.

1627 MW-49
DTGW_{gtoc} (N. side) = 76.54 ft.

1633 MW-28
DTGW_{gtoc} (N. side) = 56.49 ft.

1640 MW-46
DTGW_{gtoc} (N. side) = 50.94 ft.

S. M. J. Furber

3/23/98

-9-

1652 MW-8
DTGW_{gtoc} (N. side) = 85.08 ft.

1658 MW-29
DTGW_{gtoc} (N. side) = 36.66 ft.

1706 MW-9
DTGW_{gtoc} (N. side) = 71.43 ft.

1712 MW-7
DTGW_{gtoc} (N. side) = NM ft.
OBSTRUCTION @ 119 ft unloaded

1719 MW-2
DTGW_{gtoc} (N. side) = 23.77 ft.

1719 MW-10
DTGW_{gtoc} (N. side) = 57.81 ft.

1723 MW-3
DTGW_{gtoc} (N. side) = 62.30 ft.

1728 MW-11
DTGW_{gtoc} (N. side) = 69.40 ft.

1736 MW-05
DTGW_{gtoc} (N. side) = 74.53 ft.
23.10 ft

S. M. J. Furber
NO well cap

-10- 3/23/98

1741 MW-35

DTGW BOC = 70.28 ft (N. side)

1745 MW-12

DTGW BOC = 71.09 ft (N. side)

1751 MW-14 (4)

DTGW BOC = 69.96 (N. side)

1755 MW-13

DTGW BOC (W. side) = 68.10 ft.

DTGW

1758 MW-6

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

1804 MW-15

DTGW BOC (N. side) = 64.20 ft.

1809 MW-14

DTGW BOC (N. side) = 71.60 ft.

1816 MW-36 (34)

DTGW BOC (N. side) = NM ft.

- data logger in well.

Bill J. Turlow

3/23/98

-11-

1817 Finished collecting
I.S.

1825 Back to field office.

1845 Leave site

Bill J. Turlow

Bill J. Turlow

-12-

3/24/98

summary

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
PID: OVM
10KW generator
Water level indicators

Personnel: L. Furlow
S. Allison

Visitors: D. Marion
T. Propper

[Signature] 3/24/98

[Signature] 3/24/98


3/24/98 TEAM A Book 1 -13-

0715 Arrive at site
0720 Assemble sample kits
0800 Morning Meeting
1000 Walk-start to get ~~sample~~ supplies
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' BTDC
- Slowed Pump - Frequency on Groundlog = 301 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 BTDC
- 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



Mark E. Egan 3/24/98

-15-

3/24/98 TEAM A Book 1

MW036

Time	Cum. Vol.	Temp	Cond	DO	pH	Redox	Turb
1503	0.6	20.15	0.139	6.59	7.02	33.0	112
1512	10	20.05	0.194	3.53	6.89	-104.3	1166
Reduced Pump speed - DTW = 170.10 BTDC							
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 BTDC
1548	Slightly Opague
General Comments:	
Turbidity never stabilized. It fluctuated between 180 and 200.	
Mark E. Egan - 1549	

Mark E. Egan 3/24/98

-16- WED. March 25, 1998

0723 ARRIVE DT SITE

Wth - predict 70's

PERSONNEL:L. Furlow (scribe) - CH2M HILL/ATL
S. ALLISON - CH2M HILL/ATLOBJECTIVES:- PURGE & SAMPLE
MW-41, 50, 52

0730 CK PLS LOGS & LOGBOOKS

0758 Begin YSI 610 CALIB.
- Use same lot #5 &
Solutions as 3/23/98

pH
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 Furlow

3/25/98

-17-

DO (w/ saturated air)
- read 10.52 of 10.00 mg/L
read 9.919 after calibration

Conduc.

- read 9.739 of 10 ms/cm sol.
prior to calibration,
10.00 after

Turbidity

- read 10.5 prior, read 0.1
after calibration of deion
water

Redox

- read 208 prior, 236 after
of 236 mV solution

0829 Proceed to MW-~~41~~ ^{50, 52} (41)0843 Set up to purge MW-41
w/ Grndfos pump.0907 Begin purging MW-41 w/
Grndfos pump & nalgene
tubing.

Eric Furlow

-18- 3/25/98

0908

MW-41

TD_{bed} = 67.1 ft.DTGW_{BTOC} = 65.20- pump set at 66 ft.
BTOC- 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.
bailer.

1 purge vol = 1/3 gallons

0921

MW-41 purged dry w/ quart
hang bailer above
pot compression cap on
well, but can't use original
b/c can't unblock it w/ 11
Sample well later.

Sill J. Furlow

3/25/98

-19-

0941

Move to MW-50.

0958

Set up on MW-50.

TD = 129.18 ft (BTOC)

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

11 purge vol = 7 gallons

1028

Begin purging MW-50
w/ Grundfos pump &
dedicated Nalgene tubing.

1100

End purge - stable -
water clear.

1105

Sample MW-50 -
SVOCs - Amber (14)

Total Metals - w/ MW-50 (14)

- collect samples thru
pump discharge line
- ID: MW-504- clarity of metals sample
clear.- poll pump & collect
VOCs using new disp.

- 10 min Teflon bailer

Sill J. Furlow

-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 (none)

- 1-1L HDPE w/ HNO₃

7/23/98 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 (MW41)

1215 Lunch.

1305 Back at site. Empty
purge water into poly tank
Lie J. Furrow

-21-

3/25/98

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 (3/23/98: 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 (MW524)

- SVOC's (11L Amber)

- one metal (1L HDPE w/ HNO₃)

- also collect desktop turbidity
sample

File for

-22

3/25/98

SAMPLES (cont.) (MW-52)

- pull pump/tubing.
- collect VOC samples w/ new, disp. Teflon bailer.
- Note: 40 ml had small bubbles - label PH only.
- 3 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.

Line of 2

3/25/98

-23-

Line of 2

Line of 2

-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
10 Kw GeneratorGrundfos Pumps Controller
Teflon Boiler / Nylon Twine
Dedicated Nalgene Tubing
Y5I 610 D Parameter Meter
with flow cellPersonnel L. Furlow / CH2M HILL / ATC
S. Allison / CH2M HILL / ATC (Scribe)

Visitors: B. Trumble

K. Germinaro

D. Marion

F. Propper

3/26/98

3/26/98

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

0720

Begin calibration of the
Y5I 610 D parameter's meter.DO:

Reads 9.98 before Calibration

Reads 9.99 after Calibration

Conductivity

Reads 9.78 before Calibration

Reads 10.07 after Calibration

T = 21.04

PH

Reads 4.03 before Calibration

Reads 3.99 after Calibration

Reads 6.98 before Calibration

Reads 7.00 after Calibration

TemperatureWith saturated air humidity
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 #s

as 3/22/98 were used.

L. Furlow / CH2M HILL / ATC 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 positive tubing separated at splice went down hole and pump stuck, trying to get equipment to retrieve.

0915

1800

Pump still stuck in hole. Closing down for the day.

291 390

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

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-2

PERSONNEL

- L. Furlow / scribe / CH2M Hill-ATL
- S. Allison / CH2M Hill-ATL

0658 Begin calibrating VSI 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 10 mg/L before calibration.
- read 9.98 after calibration.

Conduc

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

Turbidity

- read 0.3 of ~~10 mS/cm sol~~ ^{3/27/98} 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.

291 391

-30-

3/27/98

0821

MW-2

TD = 35 ft

DTGW = 23.72 (BTOD) ft.

1 purge vol = 1.8 gallons

0825

Begin purging MW-2
w/ new, ^{dr} 58. (BIO poor recharge) Bailer.

0832

End purging MW-2 -
well slow to recharge
was purged dry.
Hing bailer above
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
stuff to MW-42.

Sully

-31-

3/27/98

BIO 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 = 0.202 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 = 6.23

DO = 11.42 mg/L

Conduc = 0.219 mS/cm

Redox = 156 mV

T = 17.42 °C

Turbi. = 235 NTU cloudy

Sully

291 392

-32-

3/27/98

0914

More to MW-45

TD = 68.18 ft

DTGW_{80°C} = 53.60

1 purge vol = 2 gallons

0928

Begin purging MW-45
w/ new disp. Teflonbailer. (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 = 18.44 °C

DO = 8.68 mg/L

Redox = 37.5 mV

Conduc = 0.356 mS/cm

pH = 6.35

turb = 1,547 NTU silty

Suk f. 2

3/27/98

-33-

0947 MW-45:

4 gallons

T = 18.98 °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 } Bailing

Redox = 12 (112) mV } ↑ DO

Conduc = 0.329 mS/cm

pH = 6.12

turb = 1,550 NTU - silty

- end purge. DO/redox not
stable b/c of bailing.
hang bailer above waterline.

0959 Return to office to

pick up equip.

1032 Go to Sean Phillips'

office to pick up pkg

Suk f. 2

291 393

-34-

3/27/98

1036

Sean Phillips gives us note for Dan + plug.

- state not splitting samples (don't wait on G)

vertic. soil samples

Video tape - tell Shawn

Z - may have resident come out w/ Shawn to watch

gw sampling (Mr. Bond)

Z - chaset D&W water &

containers - wait to

dispose w/ month

4/8 - ~~wait for~~ see note about weekend #'s

- call security if can't find anyone.

1051

move to MW-44

TD = 7302 ft.

DTGW BAC = 49.20 ft.

| purge vol = 3.8 gallons

1110

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

File 12

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 : 3-8 g allons

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

2nd bailer 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

File 2

-36-

3/27/98

1152 MW-44: 12 gallons

PH = 6.25

Cond = 0.347 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

1532

1555

✓ MW-19 - 2 dates 3/25 1222

3/26 855

M & B Designations

MS (10)

pin for

3/27/98

-37-

1415 Collect bottles for samples.

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

ID (MW024) Dup Met's (MW024D)

slickens (op-2003) - 3 VOC's (40 ml) w/HCl

clear - 1 TAC Metals, 1 Liter

clear - HDPE w/HNO₃ - collect desktop turbidity sample

1505 Sample MW-42 w/ same bailer ID (MW424) use to purge.

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

- 3 H₂O₂ (40 ml) w/no preserv.

- 1 - PPL metals 1 L H₂O₂ w/ HNO₃

- collect DUP of MS/MSD (MW424D) 291 295

not Met's or VOC (p-10) - collect desktop turbidity sample

Sil 17m

-38-

3/27/98

1545 Sample MW-45 w/
Same Teflon bailer used
to purge well

- ID [MW454]

- 1 SVOC (2L Amber)

U.S. 0 (P&B) - 1 TAC Metals w/ HNO₃

(1 L HDPE)

- 3 VOC's 40ml VOC's w/HCE

plus DUP: [MW454D]

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

- collect desktop turbidity
sample

1625 Sample MW-44 w/ same
bailer (Teflon) used
to purge well.

ID [MW444]

• VOC's: 3 w/HCE 40ml

plus DUP: [MW444D] 3 foris

plus MS/MSD: [MW444M]

→ PPH Metals: 1 L HDPE w/

SL (copy) HNO₃

• MET: 3-40ml w/preserv.

- collect desktop turbidity
sample

Full p 7

3/27/98

-39-

1705 Bude @ field office -
Pack samples Unload
equipment

(1st go empty purge water)
No one is there to offe
pump - return to office

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

1815 Back at office
Fill out paperwork

291 396

Full p 7

Full p 7

-40-

3/28/98 Team A Book 1

0720p

Arrive at Site

Date:

Saturday, March 28, 1998

Weather:

AM - Partly Cloudy and Windy

Cool (65)

PM - Same

Activity

Well Sampling at NW 40
NW 44, NW 54

start 3/28/98

Equipment:

Water Level Indicator

Submersible Pump

10 kW Generator

Groundwater pump and Controller

Teflon Bailer and Tires

Dedicated Volgens Testing

YSI 610D Parameter Meter


With flow cell.

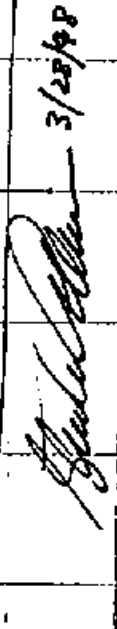
Personnel:

L. Finkow / CH2M HILL / ATC

S. Allison / CH2M HILL / ATC (subs)

Visitors: Curtis Smith / Neighbor


 3/28/98


 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.DOLet 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 9.99 before Calibration

Reads 10.01 after Calibration

T = 21.94

201 307


 3/28/98


 3/28/98

-42-

3/28/98 Team A Book 1

Relox

Reads 230.1 before calibration

Reads 10.01 after calibration

0870 HA — 5:00pm — 3/28/98Turbidity

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, 41, 54.

We need to take a split on the well number 54 for VOC, SVOC, and Metals. When we do the minerals, we will only collect the VOC, SVOC, and Metals.

0850

Leave office to find Teams to get Pkg. for 10kW generator.

Return to office to get generator

Proceeded to 11004th Ave. via 10th

Arrive at MW04.

0929

Total Depth of MW04 = 81.8

Steve L. Mann 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 = 193 gal

Total Purge Volume = 5.8 (46) gal

0994

Begin Purging

1st Bailor parameters readings

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 of purging done with bailor and turbine.

Parameters stable, DO elevated due to boiling

1016 Clean up site

1029 Back to office

Steve L. Mann 3/28/98

291 398

-44-

3/28/98 Team A Book 1

- 1035 Leave for MWSP
 1045 Arrive at MWSP
 1050 Set up for purging
 1100 Begin Purging
 1109 No water coming - Ready to 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 - water clear
 1129 Collect sample
 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 MWSP
 1436 The water level was not

Steve 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

Steve Allen 3/28/98

291 399

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

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

1700 Check in samples.
1800 leave site.

David L. Allen 3/28/98

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

291 400

David L. Allen 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. Propper / Chem Hill / ATC

Visitors:

D. Marion
B. Trumble
K. Germinaro

3/30/98

3/30/98

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

0700 Arrive at site.

and depart

0730 The days 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~~ ^{and} wells on left and mine activities.

Equipment: Water Level Indicator.

Personnel: S. Allison / CHEM HILL / ATL

T. Proper / CHEM HILL / ATL

Visitors: D. Marion / CHEM HILL / ATL

B. Trubbe / CHEM HILL / ANL

K. Germinero / CHEM HILL / MKF

3/31/98


 3/31/98

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

0720

Go to take water levels.

0730

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.

Direction: S. on 1st left

on J street, in road on

left at 1st bend in road.

0755

MW26: DTGW = 99.24' from TOC on North side.

Well Cond: good, needs new well cap.

Direction: between J street

and K street on 2nd

Well Cond (Cond): flush mount

Top (hid) does not fit well.

(Cap is too high and hits on lid.)

0807

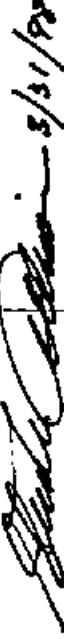
MW25: DTGW = 71.26' from TOC North

Well Cond: Casing, Cap, lock

in good condition. Concrete

pad around flush mount

is cracked and broken.

 3/31/98

-52-

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 ^{are} no marker. Key on key ring does not fit lock.

Directions: ~~on left side of N street~~ ^{SW} on north side of N street approx 100 yds east of 2nd street

0827 MW 23 DTGW = 97.9' BTDC North side

Well Condition: Casing, Cap, good Condition. Key on ring does not work in lock. Directions: Sout of building 873 on loop off of N street.

3/31/98

Stanley Thomas 3/31/98

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

0846 MW 22 DTGW = 95.65' BTDC North 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 = 56.1' BTDC North

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

0919 MW 38 DTGW = 129.83' BTDC North

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

Stanley Thomas 3/31/98

-54-

3/31/98 Team A Logbook 1

Reservation 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 Cemented

Secure cap with lock. And flush configuration.

Location: 100' short of

the NE corner of DDMT Reservation along access road.

0945

MW19 DTGW = 86.58' BTOC North

Location: at the corner of 27th Street and B Street about 200 yds South of NE corner of DDMT Reservation

Steve W. Johnson 3/31/98

-55-

3/31/98 Team A Logbook 1

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 no water and not operational. Concrete pad cracked.

Flush mount is full of water (Cap to top)

1007

MW39 DTGW = 100.91' BTOC North

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

201 404

Steve W. Johnson 3/31/98

-56-

3/31/98 Team A Book 1

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

1018

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.

1057

MW 47 DTGW = 101.38' BTDC North

Location: across the street from house at 2351 Bridgeport Street North ²⁰⁰ 3/31/98

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

Steve W. Allen 3/31/98

-57-

3/31/98 Team A Book 1

Additional Directions: To get to Bridgeport, go along Ball Road to Rozella Road and turn onto Bridgeport.

1111

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 cracked.

1119

MW 41 DTGW = 65.08' BTDC North

Location: NW of DDNT Reservation after the bend in Duin Road.

Well Condition: Casing in good condition. Cap seems OK. Lock is rusted closed to cap will have to be cut off and replaced.

1131

MW 53 DTGW = 72.42' BTDC North

Location: at the corner

Steve W. Allen 3/31/98

-58-

3/31/98 Team A Book 1

of Dunn Road and Castalia Road (east side of Castalia) 130 yards from Dunn Road.
Well Condition: Casing in good condition. Cap stem ok, lock rusted on will have to be cut off and replaced.

1139

MW45 DTGW = 53.32' BTDC North
Location: right in the bend of the road that connects Capoloma and Hearst Road.

Well Condition: Casing ok, cap appears ok, lock rusted on will have to be cut off and replaced. Minor cracks in concrete pad.

1147

MW51 DTGW = 37.21' BTDC 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

Charles Allen 3/31/98

3/31/98 Team A Book 1

Replacing
1158 MW30 DTGW = 43.93' BTDC 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' BTDC 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 Return to office.

1230 Get lunch.

1250 Return to office.

1340 MW33 DTGW = 47.61' BTDC North

Location: Kyle St turns into Rozelle. Cased curve at end of Street behind dump truck.

Well Condition: Casing and cap

Charles Allen 3/31/98

291 406

-59-

-60-

3/31/98 Team A Boole 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 = 74.16' 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.

Goodwin 3/31/98

3/31/98 Team A Boole 1

-61-

1416

MW40 DTGW 76.41' BTDC North
Location: on the corner
of Ragan 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 North
Location: Behind the
Greater Abysynian 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

Goodwin 3/31/98

291 407

-162-

3/31/98 Team A Book 1

The water was in the
flush mount over the
cap.

1442 Return to MW42 to get
water out of the mount
w/ baggie.

It did not work.

1452 Met w/ D. Marion and K.
Gerrinero.

1500 Going to the store to get
a barster.

1550 Return to MW42.

DTGW = 52.86' B7DC North.
Remove the water from
the flush mount.

Well Condition - The top
of casing is in good cond.
The cap appears ok. The
lock is heated closed.
Needs to be cut off and
replaced.

1604 Return to MW44.

Remove the water from

Glenn L. Marion 3/31/98

-63-

3/31/98 Team A Book 1

The mount with the water
DTGW = 48.95' B7DC 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.

291 408

Glenn L. Marion

-64- 4/1/98

~~4/1/98~~

~~4/1/98~~

4/1/98

-65-

4/1/98

1030 Met 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 7 with drillers.
1400 Leave well? It is pined and connected.

~~4/1/98~~

4/1/98

291 409

291 410

END
OF
LOG

-66-

[Signature]

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

291 412

045

5/20/19

[illegible]

291 413

12

19

2

~~291 414~~

9

9

②

Monday, March 23, 1998

(11)

0715 Arrived onsite at Memphis Depot
Organize sampling event.

Objectives

- organize equipment
- sample wells
- deploy equipment
- site-wide water levels

Personnel (CH2M Hill)

- L. Furlow, T. Prager, D. Trebble,
D. Navion, 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 Prager

(10)

(12)

3/23/98

- 0955 Return to office
- 1001 Go over H+S plan and project instructions (Dam Merion)
- 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

Jon Poper

Tuesday, 3/24/98

(13)

- 0740 Arrived Ansisle
 Objectives
 • Finish collecting water levels
 • Organize equipment
 • Sample wells
- Personnel
 C. Klein (MLD)
 T. Popper, D. Merion, J. Furlow,
 S. Allison, B. Brette, F. Gervasio
- Weather
 • Weather 60s, partly cloudy
- 0745 Brief meeting - discussed
 Health + Safety (lift correctly)
 Don't burn self on arm/generator
- 0750 Organized equipment
- 0813 Calibrated instruments
 YSI-G10D
- Station to Train A, Bobb 1 (3/23/98)
- for Col numbers + explanation dates
 Jon Poper

291 417

(10)

3/24/98

Calibration and

YSI 6100 cond.

(did not change calibration values)

PO

Inst. mops have been equilibrated
 in dry oil, moisture overnight.
 Calibrating to water saturated oil.

Labeling instruments:

A - Serial # 173829 R

B - Serial # 175812 R

C - Serial # 187883 R

PO

A - Before cal read 80.6 DMyl
 and 80% wet 2.

After read 9.99 and 100.08.

B - Before cal read 9.10 DMyl and
 101.5 2

After read 9.98 and 99.62.

C - Before cal read 9.86 DMyl and
 110.2 2.

Jen Harper

3/24/98

(15)

PO cond.

After cal read 9.99 and 99.98.

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 of 4.00 buffer

Before cal 4.00 After cal -

B - Read 4.08 of 4.00 buffer

Before cal 4.00 After cal -

C - Read 4.06 of 4.00 buffer

Before cal 4.00 After cal -

291 418

Jen Harper

(16)

3/24/98

pld. cont.

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.

Turnbidity

A - Read 1.6 of 0.0 NTU of 100
before cal. After cal read 0.0.
B - Read 2.0 of 0.0 NTU of 100
before cal. After cal read 0.0.
C - Read 0.6 of 0.0 NTU of 100
before cal. After cal read 0.0.

Jan Propp

3/24/98

(17)

0910 Organized equipment

1011 Left generator to get gas for
Bib's generator

1027 Returned to field office

Well 31: Well Volume = (TD - SWL) 0.17 ~~ft~~

Well 11: Well Vol = (86.64.15) 0.17

(1) = 3.71

(3) Well Vol = 11.14 gal

1028 Organized equipment

1101 ~~Submerged~~ ~~generator~~ started

Left field office

1110 Arrived at well 28

Well 28: Well Vol = (6.9 - 56.49) 0.17

(3) Well Vol = 6.38 gal

Set up sampling station

1115 Left MW 28 because far out
taking back to field office

1140 Back at MW 28

291 419

Jan Propp

(19)

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 190, then 170 l/min.

1248 Turned flow to 180 l/min.

1250 Turned YSI on.

1251 Turned pump to 198 ft. Collected mixed sample (SUC, metal).

1302

1305 Turned off pump + generator.

1306 Purged approx. 60 gal. total.

1307 Cleaned site M&S.

1327 Left site M&S.

1330 Survived at IPW disposal location.

Jana Kruger

3/24/98

(19)

1338 Began disposing IPW under flow tank.

1354 Finished IPW disposal.

1358 Looked for lost key.

1415 Left IPW disposal area.

1435 Arrived at field office for rest room break.

1444 Documented pump.

1505 Left field office for Site M&S.

1514 Arrived at Site M&S and set up sampling station.

1521 Set up Grundfos pump at approx. 80 ft.

1543 Began pumping + purging. (Flow less than 100 l/min).

1550 Groundwater parameter data located on GW Sampling Data Sheet.

Completed YSI 610D meter.

Pump at 260 l/min.

Jana Kruger

291 420

(20)

3/24/68

- 1554 Slowed pump to 180 Hz.
 1556 Increased pump to 230 Hz.
 1559 Decreased 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.
 1654 Arrived at field off site ^{8:00} 3/24/68
 to decom-pump complete stopping paperwork.
 1654 Arrived at IDW location.
 1659 Began disposing IDW water.
 1705 Finished disposing IDW water.

Jane Propper

3/24/68

(21)

- 1714 Left IDW disposal area.
 1727 Arrived at field office to decom pump sample + shipping paperwork.
 1826 Finishing up paperwork.
 1845? (differ) left site for the day.

200

291 421

Jane Propper

20

132

March 25, 1998



21153416

Chloroform

۱۰۳

2014

1. طریقہ

Q. Marini, I found you

5. Will's 1060-1070

2. Explain

Product

50s - cloudy

PM - 7:05, Sunday

625

Even a me
e me, the

156

is illustrated by the following table:

13. 10/10/10

power to take a duck! (Buck)

For bit number i , 2^i expected

city is far up. 50 ft. in

Did it change a lot, or

5/12/2015

2

2

2019/09/11

Wiederholungsfragen

5	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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John P. Jones

291 422

(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 %ConductivityRead 9.05 at 8.00
10.5/cm before cal.
Read 10.01 after cal.pHRead 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.RedoxRead 28.0 of 236.1 mV before
cal. Read 236.1 after cal.TurbidityRead 1.3 of 0.0 NTU of 0.1 H₂O
before cal. After cal read ?
YSI 6100 malfunctioned.

Jane O. Harper

3/25/98

(26)

0825 YSI meter malfunction. Did
not complete turbidity cal.

0831 Organized equipment

0840 Left field office for site MW46

0944 Arrived at site MW46

*46 Well Vol = (70.95 - 50.97) 0.17

= 20.0 Jc.17

= 340

= 10.21 gal

0950 Set up sampling station.

0957 Set up Grundfos pump at
appt. Get H₂O.

0956 began pumping and purging.

Could not collect GW permeate
due to YSI 6100 malfunction.Sec GW Sampling Water Street
for purging volume.H₂O has reddish color when
first pumped.

0947 Collected 500L, metals.

0950

0958 Turned off pump

1000 Collected 100L

Jane Harper

291 423

1008

Cleared Side

3/25/48

1008

Lost site NW 1/4

1013

Arrived at field office
to check on VST 6100

1042

Left field office for NW 20

1051

Arrived at NW 20.
220 well Vol. = (986 - 81.38) 0.11

1053

Set up sampling station

1059

Set up groundwater pump at
approx. 90 feet

1107

Started pumping and purging

1114

Started VST 6100
See GW manometer on GW
sampling data sheet

Joe Papper

31

3/25/48

1128

Collected 500cc, my 400

1130

Collected 100cc, did not turn
off pump, flow 1.5 gpm.

1140

Turned off pump.

1159

Collected VST 6100. Teflon barrel.

1205

Collected 500cc, 84.25 ft below to
farm.

1215

Collected 100cc.

1215

Arrived at field office to
check pump.

1304

Left field office for lunch.

1328

Back from lunch. Arrived at
flow disposal area.

1354

Left 700 disposal area.

1357

Arrived at NW 20.

1414

Well Vol. = (785 - 716) 0.17

1417

Well Vol. = (6.9) 0.17

1457

Well Vol. = 3.52

1404

Set up groundwater pump at
approx. 115 feet.

1418

Started pumping.

Joe Papper

291 424

②

3/25/88

- 1436 Started test 6001. Se GW parameters on GW sampling station sheet
- 1438 Collected Soils, metals, FS
- 1444 Collected Voids - did not turn off pump
- 1443 Turned off pump
- 1455 Collected Voids w/ Teflon bar.
- 1504 water level 71.7 feet below top after sampling.
- 1511 Left MONT.
- 1525 Arrived at MW19 and set up sampling station.
- #19 void vol = $(95.1 - 86.8) \times 0.17$
 $= 1.41$
 $= 1.41$
 (3) void vol = 4.23 gal
- Joe Propper

3/25/88

②

- 1535 Set up groundwater 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 Turned pump from well.
- 1633 Began boring well.
- 1635 Left site to get outside while Dan bailed.
- 1655 Returned to MW19
- 1722 Bailed approx 5 gal before sampling voids.
- 1744 Left leave bailer in well until morning. Will sample for metals in morning. (hang bailer in morning.)
- 1749 Got 4 side MW19
- 1754 Arrived at IOW disposal area.
- 1744 Left IOW disposal area
- 3/25/88

Joe Propper

291 425

(30)

3/25/92

1754 Arrived at field office
to decon and clean up.

1910 Left field office for
the day.

1050
3/22/92

Jan Payer

Thursday, March 26, 1978

(51)

0700 Arrived at field office
Decon
Sample cells

Personnel

T. Piper, D. Martin, C. Fowler,
S. Williams, K. Gorman, S. Trumble

Weather

AM - 50s, cloudy

PM - 70s, sunny

0745 Organize equipment.

0740 Calibrated instrument YSI 600.

• Arr. to Team 1 (Bot 1) (3/23/92)

for lot numbers & expiration

dates for cal solns

• Did not change cal solns.

110

• Instruments have been equilibrated

w/ moisture overnight. Calibrations

• when saturated air

Before cal read 9.30mg/L and 15.22

After cal read 9.99 mg/L and 13.72

Jan Payer

291 426

(32)

3/20/98

Conductivity

Read 0.00 at 0.0 ft. Dist. m. before cal.
 Read 10.00 after cal. Temp. = 21.9°C.

pH

Read 4.03 at 4.00 yd. before cal.
 cal. Read 4.00 after cal.
 Read 6.98 at 7.00 yd. before cal.
 cal. Read 7.00 after cal.

Redox

Read 232.2 at 236.1 mV before cal.
 Read 236.2 after cal.

Turbidity

Read 0.2 at 0.0 m. of 0.1 m. before cal. Read 0.0 after cal.

0743

Organized equipment

0845

Left field office for MW19 to collect metals and turbidity samples.

Joe Roper

3/26/98

(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

(3) well vol. = 2.06 gal

0936 Set up ground for pump at approx. 148 feet.

0940

Started pumping.
 Lowered pump because pumping a small amount of water (about 1 gal) before water reaches back stage.

After 15 min. pumping water stopped. Lowered pump about 3-4 feet. Recycled another 1/2 of supply under and then water supply under.

Joe Roper

291 427

(34)

3/26/98

0945 Let well recharge (turned off pump)
Turned pump back on

0950 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 truck and 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.

1215 Turned on pump to get as much purge water as possible.

1220 No water.

1225 Ran over to pump - Adjacent Suburb had hole and swollen area near pump.

1230 A-Hochman reinforced tubing to pump.

1240 Set Grundfos - purged a 5 gal.

1255 Started 451 GPD for 3/4 hr. In an attempt to connect the 451 GPD, the tubing fell down the well.

1303 Left Sub 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 IWB disposal.

Jane Cooper

291 428

(30)

3/24/98

1404 Arrived at IOW disposal area.

1720 Left IOW area.

Arrived at ~~landfill~~ ^{landfill} ~~up~~ sampling station.

#25 read vol. = (79.75 - 71.58) 0.17
 = (1.77) 0.17
 = 1.32
 (3) vol. = 3.96

1431 Got "pump fishing" supplies from Steve & William.

1440 back at MW38 to try to retrieve pump.

1505 Retrieved pump.

1509 Connected 4356 GLOW. started pump.

1517 Flow stopped after 5 gal. (10 gal. total).
 Jane Prosen

(37)

3/26/98

1517 Tapped pump off to allow water time to recharge.

1520 Turned pump on.

1532 Collected 500's, metals. Flow stopped after 500's and metals had been collected. Flow was pump.

1555 Collected 500's gal drip Toffen boiler.

1601 Left MW38.

1608 Arrived at field office for bathroom break.

1613 Left field office.

1634 Stopped to help Lawrence Coulson find well #5.

1716 Left Gilman & Williams site.

1720 Arrived at MW25 and set up sampling station.

#25 read vol. = (79.35 - 71.59) 0.17
 = (7.77) 0.17
 = 1.32
 (3) vol. = 3.96

1735 Set up ground for pump approx 74 feet.

Jane Prosen

291 429

(38)

3/24/96

1739 Began pumping and purging.

1744 Connected VSI.

1751 Collected 3 VOCs, metals, benzene
- turbid Aq.1753 Collected VOCs. Did not put out
pump. Sampled directly from
discharge (the water very low
flow approx. 4 gal per min.).

1807 Left MWDIS.

1810 Arrived at field office
to do paperwork & decom.1910 Left field office for
the day.8074060
3

Jan Pieper

Friday, 3/27/98

(39)

0647 Arrived at field office.

Observations
• Sample wells

Personnel

T. Pappas, D. Martin, L. Sullivan,
S. Williams, R. Greenhouse, D. Tebbels

Weather

AM - 60s, sunny

PM - Predict 80s, rain

0659 Calibrated VSI - 4100

• Before 10:00 Team did boat 1 (3/23/98)
for lot numbers & expiration dates
for cal. solns.
• Did not change cal. solns.

Do

Instruments have been equalizing
w/ moisture overnight. Calibrating
w/ water saturated air.Before Cal read 840 mg/L and
94.0%.After cal read 9098 mg/L and
132%.

291 430

Jan Pieper

(10)

3/22/88

Conductivity

Read 1.87 f. down stem before cal.
 Read 10.00 after cal. Temp. 19.00°C

pH

Read 4.12 at 4.00 buffer before cal.
 Read 4.00 after cal.
 Read 7.00 at 7.00 buffer before cal.
 Read 7.00 after cal.

Redox

Read 235.7 at 236.1 mV before cal.
 Read 236.1 after cal.

Turbidity

Read 0.2 at 0.0 NTU of AIH-20
 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. Cooper

(11)

3/27/88

#32 well Vol. = (68.0 - 58.7) 0.12
 = (9.3) 0.12

(7) well Vol. = 1.50 x 3 = 4.7

#37 well Vol. = (183.55 - 146.30) 0.12
 = (37.25) 0.12

(5) well Vol. = 30.06 gals

0947 MW32
 810 water (N Side) = 58.7' fill

0950 MW37
 810 water (N Side) = 124.6' fill

0959 MW32 Set up groundwater approx
 64 feet

0919 MW37 Set up groundwater approx
 172 feet.

0922 MW32 Started pumping & purging

0931 Started VST. Sec. GW parameters
 on GW sampling Data Sheet.

0935 Sampled 500cc of PS added to 100cc of
 4th pump line. Also checked 100cc of PS

0938 Sampled 100cc of MEI stored from
 pump discharge line. Did not back

Jane Cooper

291 431

(12)

3/27/98

1053 MW37 started pumping - pumping
See MW parameters on add
Sampling data sheet.

1153 Sampled 500cc, metals, WQ, vcs
directly from pump discharge line.
Collected split samples for 500cc,
metals, vcs - thru pump line.
Flow 20.5 gpm.
Collected benching turbidity thru pump line.

1227 Left MW37 & MW37.

1236 Arrived at JOW disposal area.

1251 Left JOW disposal area.

1253 Left JOWMT for lunch.

1317 Back at JOWMT to take out
spawn for WQs.

1422 Arrive at field station to
decon, organize supplies.

Jwa Proper

(13)

3/27/98

1539 MW41 U1 = (115.09-101.31) 0.17
= (13.76) 0.17
= 2.34
B104 MW41 = 7.02

1542 MW41 U1 = (109.0-96.06) 0.17
= (12.94) 0.17
= 1.86
+ 5.98

1547 Arrived at MW39 and set up
sampling station.

1539 Wagon pumping
1549 Flow stopped. Filter 1 get W11
Allowed for some time for exchange

1606 Arrived at site MW22 to allow
time for MW39 to recharge.
Set up benching pump.
No water.

1628 Back at MW39 to try
pumping.

1648 Collected all samples (including
benching, turbidity) thru pump
discharge line.

1715 Out at MW22 - must be
out of gauge water and all samples.

Jwa Proper

291 432

(44)

1749

3/27/98
Collected all samples
from new disposable Teflon
canister.

1810

Arrived at field office 40
feet, organize equipment.

1815

Collected Rimite Sample 999191 ^{Voic} _{ESUG} _{metals}

1900

Left field office for the
day.

700
3/28/98

(45)

DATE: 3/28/98

DAY: SATURDAY

SACR: 715

END:

EQUIPMENT

- YST G100 - Repa

- Generator Pump

- OUM

Weather: Cloudy, Very Windy, 70°
Chance of Rain

PERSONNEL

D. MURPHY - Chem Hill

C. ALLISON - Chem Hill

B. TRIGGLE - Chem Hill

J. PROPER - Chem Hill

K. GERRARD - Chem Hill

L. FURLOW - Chem Hill

OBJECTIVES

Mark 1998 Grandfather Quality
Sampling

Cat Gradient Results - See Next Page

291 433

June Proper

(46)

3/23/98

mw22

720 Setup at mw22 to collect metal portion of sample. Sample for 5 VOC, VOCs, PS were collected on 3/23/98

735 Metals portion was collected. A150, for biodeg allylgrade was collected. Sample collected with a bailer. VS F610D Calibration Results.

- DO
Prior to Cal = 11.39 mg/l, 120.17%
Final Cal = 9.99 mg/l; 11.37%
- Cond (Temp = 21.15) Redox
Prior = 10 Prior 230.6
After = 10 Final 236.2
- Ph 4.0 Sil
After = 4

850 Setup at mw26. Install pump for well purging. DTW = 99.46
Well Depth = 113.2
Water Cal = 13.74 ft
1-Vol = 2.34 gallons
3-Vols = 7.00 gallons
Pump Set @ 106 GPM
Begin purging - Flow Rate = 2.0

Adrian

(47)

3/28/98

Reduce flow rate to = 0.98/min
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 Alligator

938 Shut pump off. Pull pump
bag for next well1000 Mobilize to IDW staging area
Pump IDW to Poly TankSetup @ mw51. Well Depth
= 69.72 water, land = 37.3 ft
water Col = 32.52

1-Vol = (x.17) = 5.83 gallons

3-Vol = 16.58 gallons

291 434

A. Mason

3/28/98

MW51

Sat-up to Porge & Begin
Purge @ 11:15. Purge pump
rate = 1.25 gpm (Frisch & Lab)
Adjusted purge rate 1.2 gpm.

See Field Sampling / Purge Form
for Sampling & Water quantity
parameters. Water quality - Very
Clear. No suspended particles.

Collect Sample MW51. Aliquots
include VOC, SVOC, Metal,
MER, Turbidity. ☺

Pull pump clear up around
wellhead - more to next
location (MW47).

Well depth = 120.4'

DTW = 101.5

Water Col = 18.9 (x:17)

1-Vol = 3.2 gallons

3-Vols = 9.6 gallons

Well depth - emptied and at toping
x.110 ft. Return to office
from tubing / Pump
well MW47.

D. Mauer

1235 Break for Lunch
1245 Return to MW47
1300 Start pump - Begin to purge
- Pump Set at 110 feet b.s.
- Purge rate after initial
adjustment = 0.75 gpm
- Water Quality Parameter Collected
with VSI 6108 meter.
See Field Sampling / Purge logs
- Parged gallons before
Sampling.

1330 Collect: MW47 - Parameter
include: VOC, SVOC, Metals,
FS (see spec), Water ^{in vac} and methan Ethanol/Ethane
Sample was very clear - Turbidity in lab.

1340 Mob to Aug FOW / MW15
1400 Setting @ MW15

D. Mauer

3/28/98

(49)

291 435

(50)

3/28/98

Pup for Pumping and

Sampling. DTW = 64.7'

Total Well Depth 578.4'

Water Col = 14.2'

1-Val = 2.41 gallons

3-Val = 7.24 gallons

Beginning Pumping Pump Water.

Pump Rate = 28 gpm

Water Quality parameters including

Temp, pH, Cond, DO, Redox and

turbidity collected during pumping.

See Sampling Pump log for

for data.

1445 MWIS Sample MWIS

Parameters include: pH, Cond, DO, Redox, Turbidity, and

MWIS and turbidity sample was

collected from pump.

1455 Demob from MWIS - Drive

to IOWA area and discharge

IOW water to poly tank

1520 Return to Office + 14.7' High

Whistles - Clean up tank.

Q. M. Mon

(51)

3/28/98

and pumping samples for drilling.

1800 Left site

400
3/28/98

291 436

Lara P. open

3/25/22

11

David. Propper

Jan Progen

Monday, March 30, 1978	(53)
------------------------	------

06-17
06-20

Survived at
Equipment set up
Majorities
bought wds
Purchased
T. V. Logie, Division 5 A Division
R. Gormann, B. T. & B. B. B.
Went to
A. W. & B. Ds, sunny
PM & 80s, partly cloudy
Calibrated YSI used
- Put few for Team 11; Book 113623/100
for 400 numbers & expired on
dates. Saw cal solms
- Did not change cal solms
DO
- Test numbers have been
equilibrating w/ moisture over
the weekend - Calibrating w/
water equilibrated air
Before cal read 44.55 ^{11.55} and 11.55 ^{11.55} and 11.55 ^{11.55}
After cal read 8.05 ^{8.05} and 8.05 ^{8.05} and 8.05 ^{8.05}

06-21
06-22

50

3/30/48

0455

Team meeting.

0708

Calibration cont.

Conductivity

Read 470.5 p.p.m. before cal.
Read 10.01 after cal. Temp 21.9°C.

pH

Read 4.08 at 9.00 buffer before cal.
Read 4.00 after cal.
Read 6.95 at 7.00 buffer before cal.
Read 7.00 after cal.

Redox

Read 234.4 at 236.1 mV before cal.
Read 236.1 after cal.

Turbidity

Read 0.9 at 20 Neph of Dr H₂O
before cal. Read 0.1 after cal.

0716

Organized field experiment.

Jan Porter

3/30/48

56

0203	Calibrated OVM.	
	Model - 530 C	
	Serial - 46327-276	
0235	Wet Vol. - (88.88 + 90.55) 0.17	
	Wet Vol. - (18.13 + 0.17)	
	Wet Vol. - 3.03	
	Wet Vol. - 9.25	
0242	Wet Vol. - (83.9 + 91.09) 0.17	
	Wet Vol. - (13.41 + 0.17)	
	Wet Vol. - 2.11	
0238	Arrived at MUDS - MUD	
0838	Opened well (see well log)	
	Flow rate reading - 6.4 gpm	
	Flow rate - 0.0 gpm	
0840	Solur sampling station	
0850	When opened well to lower pump	
	OVM flow reading was 1079 ppm	
	Called Dan - Gary Underberg	
	Said should allow well to drain	
0858	Took well cap off to allow well to vent	
0910	Read OVM reading - 1041 ppm	
	Biothyr zone 0.5 ppm	
0923	Get Columbus at approx 78 feet	

291 438

Jan Porter

52

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 3 feet.
Control valve not properly
connected.

0945

Began purge again.

0948

GW parameters located on
GW Sampling Data Sheet

0949

Max borehole OUM = 945 ppm

1003

Breathing zone = 0.8 ppm
Max borehole OUM = 1026 ppm
Breathing zone = 0.2 ppm

1005

Collected metals, VOCs from
MW12 from discharge line.
Collected benchtop turbidity sample
from pump discharge line.
Occasionally saw exhaust from
diesel generator.

Jane Proger

52

3/30/98

1038 (MW35)

Max borehole OUM = 460 ppm
Breathing zone = 0.8 ppm

1050

Set groundwater at approx. 73 feet.

1105

Billed MW12 for VOCs using new,
disg. Teflon boiler.

1109

Max OUM borehole = 906 ppm
b.t. = 1.1 ppm

1114

Began purge
GW parameters located on GW
Sampling Data Sheet

1139

D. Meridian left site to obtain split
sample bottles

1149

Max OUM borehole = 854 ppm
b.t. = 0.8 ppm

1205

Collected PS, SVCS, Metals, VOCs
from pump discharge (one left, 1376 ppm)
Also collected duplicates, MS/MSD,
and splits.

1231

Final PID reading:
borehole 1854 ppm
b.t. = 0.4 ppm
Smelt diesel fumes from nearby
pump equipment.

1235

Left site MW12 & MW35
Arrived at IOW disposal site

Jane Proger

291 439

50

5/30/98

1255 Left JOW area.
 1303 Arrived at Field office.
 1321 Left for lunch.
 Discussed soil sampling plan.
 1430 Arrived at 00 RT. Finished at
 sampling plan. Then Shawn Phillips
 sampled 400 ft. Packaged samples
 from wells.
 Labeled samples from area
 that were collected thru
 barbed - MW24B.

1745 Took coarses to FedEx
 1826 back from FedEx.
 Measured benching turbidity
 samples.
 Calibrate Neph Turbidimeter
 C&M Mill ID 2943
 Calibrate pipette; 10, 100
 MW
 Turbidity
 6 1.5
 8 1.5
 12 1.5
 35 1.5
 1100 Left site for the day.
 Saw Propper

Tuesday, 5/31/98

0700 Arrived at field office.
 Organized equipment.
 0720 Discussions
 to collect soil samples
 collect water level measurements
 (pers. info.)
 T. Propper, J. Marion, S. Hillson,
 H. Germaine, & T. Propper
 Weather
 AM - 50s, cloudy, windy
 PM - 60s, rainy
 0740 T. Propper & S. Hillson collect
 water level measurements.
 J. Marion, H. Germaine, & T. Propper
 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.)
 1900 Left site for the day.

Saw Propper

3/30/88

(100)

Wednesday April 1, 1988

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 muddy.
Personnel
T. Prosen, S. Allison, D. Marion,
K. Green, M. Muro
Weather
Mid-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 1988

Jan Prosen

-62-

4/1/48

1430 Twa left 3-1e.

4/1/48


Yara Pampa

-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 Kel. Geronzi

1230 Went to lunch

1328 Returned from lunch

1324 Left to record water levels.

1400 Logbook given to Steve Allison

1430 Elizabeth Geronzi

1501 Go to measure water levels

1505 Arrive at MW30

1512 Depth = 43.075 feet from TOC

1515 Arrive at MW033

Could not get to well open.

Need 9% 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

3/23/98

3/23/98

3/23/98

3/23/98

3/23/98

3/23/98

3/23/98

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3/23/98

3/23/98

3/23/98

3/23/98

3/23/98

3/23/98

3/23/98

3/23/98

3/23/98

3
 Tuesday, March 24, 1998
 0735 Arrive @ site
 0754 Health & Safety Briefing (see Team B)
 Weather: AM - Sunny
 PM -

Activity: Water levels
 Location: Main Installation
 Equipment: Water level indicator
 Personnel: (CH2M Hill)
 E. Germinaro
 B. Trebble

0800 Begin collecting water levels.
 Decon probe between wells
 w/ deionized water.

0807 MW-43
 $DTGW_{\text{etc}} (\text{n. side}) = 98.47 \text{ ft}$
 Depth of well = $101.45' (\text{salt})$
 $98.5'_{\text{eg. bottom}}$

0818 MW-50 ^{eg.}
 $DTGW (\text{n. side}) = 84.94 \text{ ft}$
 depth taken on high side -
 pre pipe-lip broken/damaged
 Elizabeth Germinaro 3/24/98

DDMT 4
 3-28-98
 0826 MW-52
 $DTGW = 79.64 \text{ ft (N-side)}$
 0822 MW-26 ~~25A~~
 $DTGW (\text{N-side}) = \text{well is dry}$
 0835 MW-25
 $DTGW (\text{N-side}) = 71.58 \text{ ft}$
 0840 MW-24
 $DTGW (\text{N-side}) = 105.64 \text{ ft}$
 0846 MW-23
 $DTGW (\text{N-side}) = 98.50 \text{ ft}$
 0852 MW-22
 $DTGW (\text{N-side}) = 95.96 \text{ ft}$
 0857 MW-21
 $DTGW (\text{N-side}) = 93.19 \text{ ft}$
 0903 MW-20
 $DTGW (\text{N-side}) = 84.38 \text{ ft}$
 0908 MW-18
 $DTGW (\text{N-side}) = 86.80 \text{ ft}$

Elizabeth Germinaro 3-24-98

3-24-98 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)

$60 - 43.02 = 16.98 \times 1.63 = 2.8$

$2.8 \text{ gal/vol} \times 3 = 8.4 \text{ gal TOT}$

weather: clear ~ 60°F

personnel on site: E. Germanaro
B. Trebble

level of safety - level D

Equipment: YSI 6920 Environmental Monitoring System
Model 610-D

Calibration: Refer to Cali log dated today

Elyabeth Germanaro 3-24-98

5

3-24-98 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 Germanaro 3-24-98

3-24-98 DDMT 9

Start
1519

Arrived at MW-16
TD=75.5 DTGW=56.66ft
(2in well)
75.5 - 56.66 = 18.84 ft
18.84 x 0.163 = 3.1 gal/vol
3.1 gal/vol x 3 = 9.3 gal TOT
weather: cloudy - 58
personnel: EG, BT

1556 Started purging MW-16

Start
1558 ORP 281.4 pH 5.95 Temp 19.0 Cond 219 Turb 11 DO 9.86

@Vol = 3.1 gal
1604 243.1 5.71 20.0 308 86 7.06

@Vol = 6.2 gal
1612 236.4 6.00 20.5 422 44 5.47

@Vol = 9.3
1618 222.0 6.07 20.6 457 15.3 3.40

@Vol = 12.4
1621 216.2 6.09 20.6 463 11.5 3.03

1630 Samples taken
2L Amber Glass - SVOC
1L HDPE (HNO₃) - Talmat

Elizabeth Germanaro 3-24-98

3-24-98 DDMT 10

After Sampling 1632 ORP 221.4 pH 6.13 Temp 20.6 Cond 474 Turb 9.4 DO 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: Turbid meter, Hach, Model 16800

Elizabeth Germanaro 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, 4.01 → 3.99

SC - 10.0 → 10.0 W/10,000

Turb - 0.00 → 0.00 NTU

DO - 10.52 → 9.98

0800 Bob goes to see S. Hawn Phillips

Re-Feed-x (Regulators,

will be able to receive at

0845 When mailroom opens

backlog do MW-49

0901 Arrived at MW-49, began

setting up.

TD = 89.42 DTG10 = 76.72

(2m well)

$89.42 - 76.72 = 12.7$

$12.7 \times 0.163 = 2.1 \text{ gal/Vol}$

$2.1 \text{ gal/Vol} \times 3 = 6.2 \text{ gal Tot}$

Elyabeth Germano 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 (HNO₃) - TAlmet

9oz glass jar - Turbidity

1003 Took 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. Germano 3-25-98

3-25-98 DDMT 13

1033 Arrived at office to decon pump

1102 Headed to NW-33

1110 Arrived @ NW-33

TD = 59.1 DTGW = 48.77 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

70's

weather: Sunny 60's, 5-7 mph wind

personnel: EG, BT

equipment: YSI & dedicated tube

1121

OVM Model 580B Serial 46321-276

(on site instruments)

Calibrated w/ 100 ppm isobutylene

Span = 0.68 w/ RF 68.56

56 EG

BG = 0.0 ppm BZ = 0.0 ppm

DH = 0.0 ppm

1138 Start purging

E. Germanno 3-25-98

3-25-98 DDMT 14

1205 Took Samples

- Turbidity 902 glass jar

- 1L HDPE (HNO₃) - Talmef

1208 - Remove pump

1224 - Sampled VOA w/ bailer

1237 - Cleaned site, secured well head, back to office for lunch

1315 - Arrived @ office to decon pump

1333 - Headed to NW-48

1340 - Arrived at NW-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, BT

equipment: YSI & dedicated tube

E. Germanno 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_2SO_4) - FS
500ml HDPE (HNO_3) - FS
500ml HDPE - FS
2L Amber Glass - SVOC
1L HDPE (HNO_3) - Tol Met
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. Germann 3-25-98

16

3-25-98 DDHT
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: VSI & 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_3) - Tol Met
1L HDPE - WQ
2L Amber Glass - WQ
500ml (H_2SO_4) - WQ

9oz glass jar - Turbidity
E. Germann 3-25-98

291 451

3-25-98 DDNT 17

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 pump.

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

Elyabeth Gurnano 3-25-98

3-25-98 DDNT 18

Calibration: Zero, 10, 100

Standards 0-1, 0-10, 0-100

Calibrate: 0-10

1915 Heading home

Elyabeth Gurnano 3-25-98

291 452

Elyabeth Gurnano 3-25-98

Thursday, March 26, 1998
 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
 6.700

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.
 CT = 21.01

Elizabeth Germaine 3-26-98

3-26-98 DDUT 20
Turbidity
 Read 0.7 prior to cal, read 6.0
 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/w
 2.4 gal/w x 3 = 7.2 gal tot.

Weather: cloudy, low clouds
 Personnel: Elizabeth Germaine
 Bob Trebble
 Equipment: YSI 620 Environmental
 Monitoring System Model 610-D
 level of safety - level 15

Start point - Eg
 0808 OVM Model 580B Serial 46327-276
 (Onsite Instruments)

Elizabeth Germaine 3-26-98

3-26-98

DDMT

21

OVM Calibrated w/100ppm isobutylene

Span = 0.56 w/ RF 56

BG = 0.0ppm BZ = 0.0ppm

DH = 0.0ppm

0824

Start purging

0850 Samples taken

9oz glass jar - Turbidity

1L HDPE (HNO₃) - TAlMet1L HDPE (H₂SO₄) - FS

500ml HDPE - FS

500 ml HDPE (HNO₃) - FS

2L Amber Glass - SVOC

0854 Removed pump

0908 Sampled VOA & MEE w/ bailer
disp & Teflon0912 Cleaned up site, secured
well & headed to office to
decon pump.

0917 Arrived @ office to decon pump.

0939 Heading to MW-53

0943 Arrived @ MW-53

TD = 93.04 DTGW = 72.75

93.04 - 72.75 = 20.29

20.29 x 0.163 = 3.3

Elizabeth Gurneano 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 = 0.0ppm BZ = 0.0ppm

DH = 0.0ppm

1001 Start purging

1030 Samples taken

1L HDPE (HNO₃) - TAlMet

9oz Famb glass jar - Turbidity

2L Amber Glass - SVOC

1033 Removed pump

1048 Took VOA Samples w/ drup.

Teflon bailer (new)

Cleaned up site, secured well &
headed back to office

1055 Arrived @ office to decon pump

1108 Heading to MW-9

1124 Arrive @ MW-9

TD = 79.8 DTGW = 71.43

Elizabeth Gurneano 3-26-98

291 454

3-26-98

DDMT

23

79.8 - 71.43 = 8.37

 $8.37 \times 0.163 = 1.4 \text{ gal/Vol}$ $1.4 \times 3 = 4.2 \text{ gal Tot } 10's \text{ eg.}$ weather: cloudy, ~~10-12's~~, 10-12 mph

personnel: EG, BT

equip: YSI, dedicated tubing

1126

OVM Reading

BG = 0.0 ppm

BZ = 0.0 ppm

DH = 0.0 ppm

Start purging
egNot enough tubing. Need clamps
to add more tubing.Stopped @ office for more tubing
Heading to hardware store
for connectors

1230

Stopped for lunch

1300 Headed back to MW-9

weather: partly cloudy 70's 10-12 mph

Arrived @ MW-9. Attached
extra tubing w/ brass nipple.

Start purging

1327

Elizabeth Gernmano 3-26-98

3-26-98

DDMT

24

1345 Samples taken:

1L HDPE (HNO₃) - Talmat

9oz glass jar - Turbidity

1340 Removed pump

1351 Sampled VOA w/ new disp.

eg. Age 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.

1407 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

 $12.2 \times 0.163 = 2 \text{ gal/Vol}$ $2 \times 3 = 6 \text{ gal tot}$

291 455

Elizabeth Gernmano 3-26-98

3-26-98 DDMT 25
Equip: YSI & dedicated tubing

1502 Forget bailer returned to office
to pick 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.
Cleaned up site, secured
well.

1730 Arrived @ office - decou
pump, paperwork, packed samples

Elizabeth Guminaro 3-26-98

3-26-98 DDMT 26

1750 Calibrating Turbidity Meter
Calibration by Bob Tibbels
Equipment: Solms as 3-25-98
Hydro Turbidity Meter Model 16800
SN 2113 CH2A H11

Zero - 1 Read 0.85
0-10 Read 10
0-100 Read 38 Eq

UV	Turbidity
9	31
13	>100
23	56
38	42
53	20
19	>100
25	2.2

1915 Heading Home "

~~291 456~~
~~Elizabeth Guminaro~~
~~291 456~~
~~3-26-98~~

Elizabeth Guminaro 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
on 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 Germanaro

3-27-98

28

3-27-98 DDMT

0820 Went to dump IDW water
60th decon water

30 gal purge water

0918 Head to MW-34

0925 Arrived @ 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 mph, 60s
personnel: Elizabeth Germanaro
Bob Trebbie

Equipment: YSI & dedicated

tubing

0930 OVM Model 580B Serial 46327-276

On Site Instruments

OVM Calibrated w/100ppm isobutylene

Span = 0.56 w/ RFEg

BG = 0.0ppm BZ = 0.0ppm

DH = 0.0ppm

0933 Need DTGW.

Equip. Water level indicator

DTGW = 134.25

(used above in calc)

291.457

Elyabeth Germanaro 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 ¹⁴²⁵ IDW water
 1059 Dumped ~ 28 gallons ¹⁴²⁵ IDW water
 1110 Stopped by 1425 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 NW-21
 1310 Arrived at NW-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, BT
 Equip: YSI & dedicated tubing
 1319 OVM Reading
 BG = 0.0 ppm BZ = 0.0 ppm
 PH = 0.0 ppm
 1331 Start purging
 1405 Samples taken @ pump discharge line. Send only 2 of 3 MEE Samples. One damaged during collection.
 1423 Cleaned up site, secured well & headed back to office
 1423 to decon pump & pick up tubing for NW-3
 1432 Arrived @ office & packed up tubing

Elyabeth Germaine 3-26-98
 3-27-98

3-27-98 DDMT 31

1517 Heading to HW-3
1529 Arrived @ HW-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, 70's/10-15 mph
personnel: EG, BT
equip: YSI & dedicated tubing

1533 Ovm Reading
BE = 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 & decomd
Elyabeth Germanano 3-27-98

3-27-98 DDMT 32

pump, empty truck, packed
samples, paperwork

1722 Calibrated Turbidimeter
Hach Turbidity Model 10800
CH₂M Hill ID 2913
Calibrate: zero 0-1, 0-10, 0-100
w/ standards

MW	Turbidity
21	67.5
32	7.2
37	50
3	51
29	EG 89-79
34	19
42	EG 75-58
2	>100
45	96
44	>100

1900 Leaving site

eg. back to Germanano
eg. 3-27-98

Elyabeth Germanano 3-27-98

Saturday, March 28, 1998

83

0730 Arrived on site

Calibrated YSI 610-D
- use same lot #'s &
solutions as 3-23-98

DO

prior = 10.25

after = 10.00

pH

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

DDMT

84

0809 Got together to discuss
redistribution of remaining
wells.

personnel: Bob Trebbie, Elizabeth
Germinaro, Tara Proter,
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 split on MW-11
& MW-10. Take a surrogate
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 TOT

Weather: Cloudy, 60's 10-15 EG

Personnel: Elizabeth Germinaro
Bob Trebbie

Equipment: YSI & dedicated tubing

Elizabeth Germinaro 3-28-98

291 460

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=0.0ppm BZ=0.0ppm
 DH=0.0ppm
 0900 Start purging
 0930 Stopped Samples taken
 Split taken line
 0938 Removed pump, cleaned up
 site, secured well.
 0947 Heading to pump MW-5
 0948 Arrive @ MW-5
 TD=79.25 DTGW=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=0.0ppm BZ=0.0ppm
 DH=0.0ppm
 Elizabeth Germanaro 3-28-98

291 461
 3-28-98 DDMT 36
 Start purging
 1011 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
 call to Econ 1st pump.
 1059 Need to pick up new
 generator
 1145 Arrived back @ MW-5 w/
 new generator
 1147 Start purging
 15eg
 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 to MW-10
 & MW-29
 1312 Arrived @ MW-10
 Elizabeth Germanaro 3-28-98

3-28-98

DDMT

37

HW-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,
eg 5-10-12 mph

personnel: EG, BT

equip: YSI & 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 HW-29

Arrived @ HW-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

1315

1327

1346

1354

1403

1419

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 & dedicated tubing

1423 OVM Reading

BG = 0.0 ppm BZ = 0.0 ppm

DH = 0.0 ppm

1431 Start purging

1500 Samples taken

1508 Cleanup 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 Calibrated Hach Turbidimeter

CH2M Hill ID 2913

Calibrate: Zero, 0-10, 10-100

291 462

Elizabeth Germaine 3-28-98

3-28-98

DDMT

MW

22

47

11

29

51

15

26

10

05

04

40

54

Turbidity

59

44

67

17

28

46

60

17.5

5.5

18

0.9

6.4

1800 Leaving site (1)

Elyabeth Germanow

Elyabeth Germanow
3-28-98

39

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 Germanow 3-28-98

Elyabeth Germanow 3-30-98

291 463

3-30-98 DMT 41
 sampling kits for MW-8 & MW-6.
 Runwater taken SVOC, VOA,
 TAL METS, from Grundfos
 pump, 300ft SteroStar
 Heading to dump decon water
 in IDL tank.
 Dumped ~55 gal
 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
 Samples taken

Elizabeth Germinaro 3-30-98

3-30-98 DMT 42
 Clean up site, ^{EG} removed
 removed pump, secured well
 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. Propper & S. Allison

Elizabeth Germinaro 3-30-98

3-30-98 DDMT 43
1240 Dump 100 water
hunch

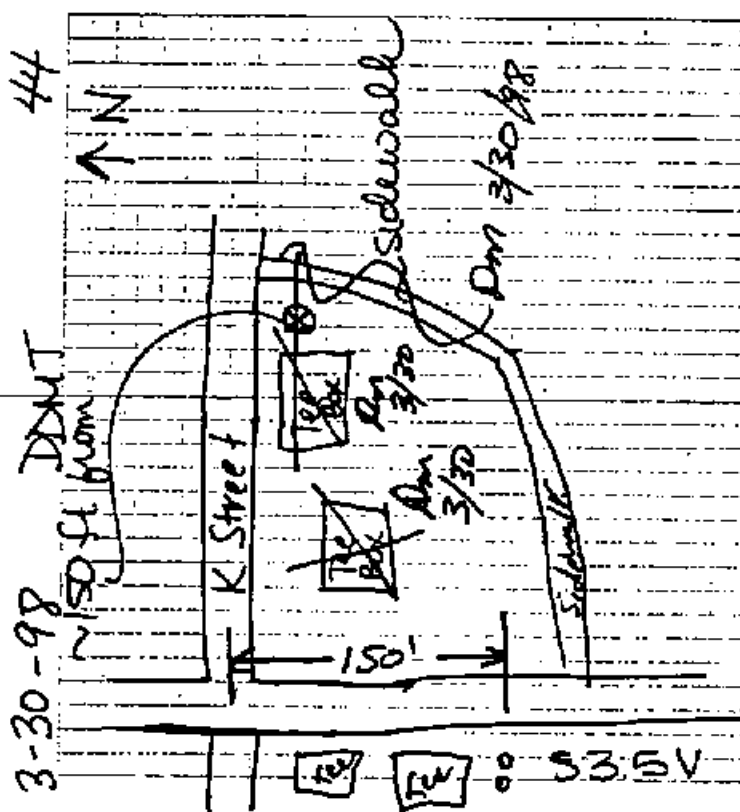
1607 Arrive @ 53.5V
1630 Took Root Zone Sample
1640 photo 1 - 1st recovery ~ 6 in.
1st interval sampled.

0-2 in. Root Zone
2-4 in. 1st Soil Interval
4-8 in. 2nd Soil Interval
8-10 in. 3rd Soil Interval
12-24 in. listed on GOC

4 styles
TP

Collect in 90z jar samples
for pH & pH_{calc} peroxide & 4oz
jars for pH & TOC & 2nd jar
4oz for moisture & clay
content. 2 locations were
used to obtain enough
volume for root zone 1
location was added to
collect rest of aliquots.
150 ft S. of intersection
of K & Second Street. Just
south of tree

Elyabeth Germaine 3-30-98



1726 Arrive @ 53.5V

* 0-2" Root Zone
* 0-4" 1st Soil Interval
* 4-8" 2nd Soil Interval
* 8-12" 3rd Soil Interval
* 12-24" 4th Soil Interval
(Compacted)



1735 Sample 33.5V collected
DDMT Root Zone (pH, TOC, Clay, Moisture)

Elyabeth Germaine 3-30-98

3/30/98

45

Content ~~attended~~ and Dicklin Site.
3/30/98Collected 902 jar samples
for Dechlorination studies & 2nd
902 jar for TOC, pH, Moisture
content, clay content.1803 @ Office iced soil samples
cleaned up

1900 Heading Home

~~Elizabeth Germann 3-30-98~~
END

Elizabeth Germann 3-30-98

Tuesday, March 31, 1998 46

0700 Drive @ Office. Set up sample
jars for B3, 5V, 10, A10, 2V.0815 Discussion w/ Dan Marion, Bob
Trumble, Elizabeth Germann
about soil sampling w/ Shawn
- 2 set of gloves, put plastic
on both tailgates. Don
between each interval1340 Collected water levels from wells
located @ Dunn Field - Low
65°.MW 34 - 1365 water level gauging
equipment installed as record
continuous water levels. Could
not get water level. Well head
needed screws for man-way and
flange lock.1355 MW 14 - DTW = 71.48. Well head
needed a new lock. Adjacent to R2 - West
1400 MW 15 - DTW 64.13 feet. Well
needs a new lock - West
Fence line of Dunn Field

D. Marion 3-31-98

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1410 MW 0 - DTW 58.14 ft. Well head
Needs a protective casing cover,
Well cap and lock. Located in brush
area along west fence.

1415 MW 12 / MW 35 - DTW MW 12 = 71.0
DTW MW 35 = 71.14'. Well head
@ MW 12 needs a lock and

Same for MW 35. Wells located
along the west fence line of
Oven Field

1425 MW 04 → DTW 69.9'. Well head
is in good condition - Get new lock.

1426 MW 13 Well head under water
will come back and check later

1430 MW 05 → 74.48'. Well head
to have casing cut down a
new cap and a lock

1430 MW 13 / MW 04 is located along
Main Road on west portion
of Oven Field.

1440 MW 11 - DTW 68.34'. Well head
is in good condition - Need new
lock. Along west fence line - Oven Field.

1450 MW 3 - Located and MW

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corner of Oven Field well head
is in good condition. DTW 62.23

1450 MW 2 - DTW = 24.13. Well located
along North Fence line. Needs a
new lock.

1455 MW 10 - DTW = 77.75'
Well located along North Fence line
of Oven Field (Toward NW corner)

1510 MW 13 → DTW = 68.0'. Located
along Main West Road of Oven Field.
Well needs a new lock.

1518 MW 09 → DTW = 72.32
Located along North Side of Oven Field
on the back of the Hill east
of RR. Would be nice if well
casing was 3" higher to help prevent
surface water to run into well

MW 8 / 1530 → DTW = 57.98
Well located along North
Fence line toward the east
central portion of site.

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1535 MW29 → DTW = 35.92
Well needs a new lock and
well cap.

1545 MW28 → DTW = 33.36"
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 Fm across from Canon
Street.

1555 MW82 →
Located 50' South of
Furness Rd along East fence
of Owen Fm. Need 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 in good condition.

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3/31/98

50

1645 M06.120 to Soil Sample
Location B3.5V1 (Collected Time 1655)

0-2" Root Zone Sample
- Collected Root Zone Sample for
4 holes Collected Sample,
Duplicants, Moisture Caps,
Nutrient Spikes Each Sample
will be analyzed for Dickson
Solute (902) and TOC, pH,
Moisture Content, Clay Content

0-4" Soil
- Collected One 902 (Soil Sample)
Jar for duplicate analysis and
One 902 aliquots for TOC, pH,
Clay and Moisture Content.

4"-8" Collected Soil Fertilizer
- One 902 aliquots for
duplicate
- One 902 aliquots for
TOC, pH, Clay Content and
Moisture Content.

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3-31-98

3/31/98

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8"-12" Soil Layer #3

- Collected one 902
aliquots for Dietrich

- Collected one 902

aliquots for TOC, pH,

Clay Content and

moisture Content.

12"-21" Composite Sample

Soil Layer 5

- 1-902 aliquots for

Dietrich

- 1-902 aliquots

for TOC, pH, Clay Content

Moisture Content

D. Marion

D. Marion

3-31-98

1st Street

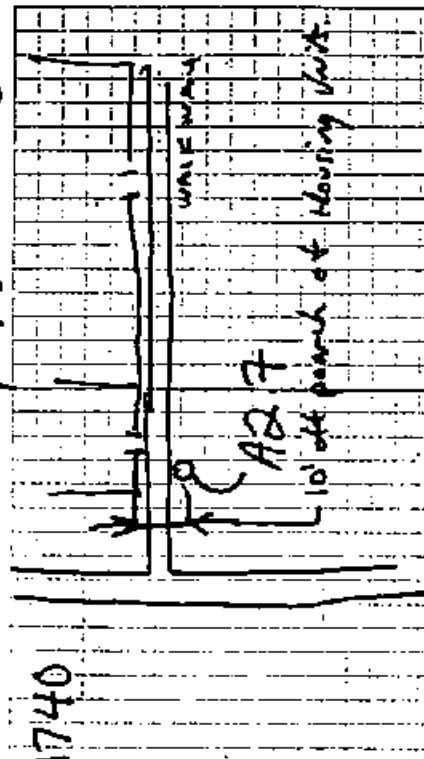
B35V1

Tree

Sign on Fence

3/31/98

52



0-2" (Root Zone) Collected @ 1740

- Collected one aliquots 902 for

Dietrich Peibach Suite

- Collected one 902 aliquots for

pH, TOC, Clay Content and

Moisture Content

0-4" Soil Layer 1

- 1-902 aliquots for Peibach Suite

- 1-902 aliquots for TOC, pH, Clay

Content and moisture Content

4"-8" Soil Layer #2

- 1-902 aliquots for Peibach Suite

- 1-902 aliquots for TOC, pH, Clay

Content and moisture Content

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3/31/98

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- 8"-12" Soil Layer 3
 # 1-902 aliquots for Pesticide
 Soils
 Layer 2 # 1-902 aliquots for TOC, pH,
 Clay Content, Moisture Content
 Layer 3
 12"-22" Composite Soil Sample
 # 902 aliquots for Pesticide Soils
 Layer 4 # 902 aliquots for TOC, pH, Clay
 Content, Moisture Content
 Sample

1900 Leave Site - End Day

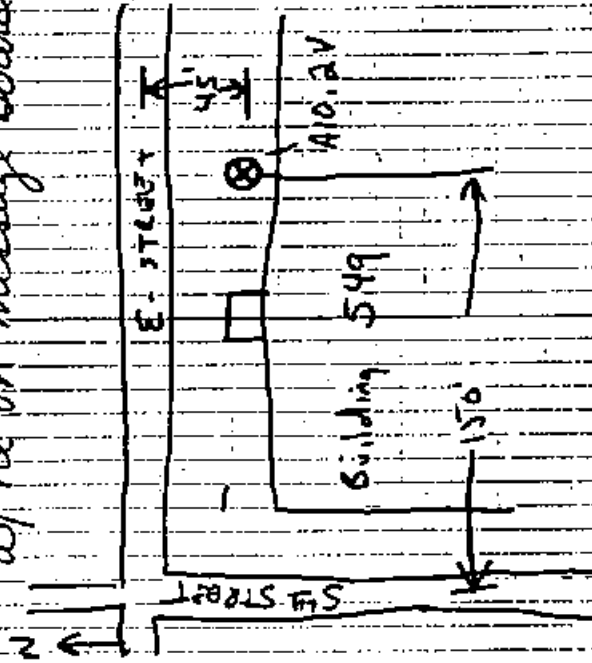
DR Marion

DR Marion

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
 & A/5 & V. 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.

DR Marion

4-1-98

291 470

55

4/1/98

Soil Profile for A10.2V

Root Zone (22") 0"

Soil Layer 1
4"Soil Layer 2
8"Soil Layer 3
12"

Soil Layer 4

[SAMPLE COLLECTION
TIME 915

910 Root Zone Sample: Collect 2-9-02

Jar for Sample aliquots.

* 1-902 for pesticide Suite

* 1-902 jar for TOC, pH, Clay
Content and Moisture Content.Sample Aliquots taken for from 4
Boring locations. - 2 were checked for 45Soil Layer 1: Collect 8-9-02 jars
for the following analytical require-
ments

Q. 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 jar 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 ContentSoil Layer 4: We encountered
a slab of Concretion for 4/1/98

Q. Mearns

4/1/98

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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 Decom equipment and move to the next location

1120 Setup to Collect A15.6V.
 Location is situated 50' North of Railroad; Parallel to Road & just about centered between B10 429 & B10 529.

A

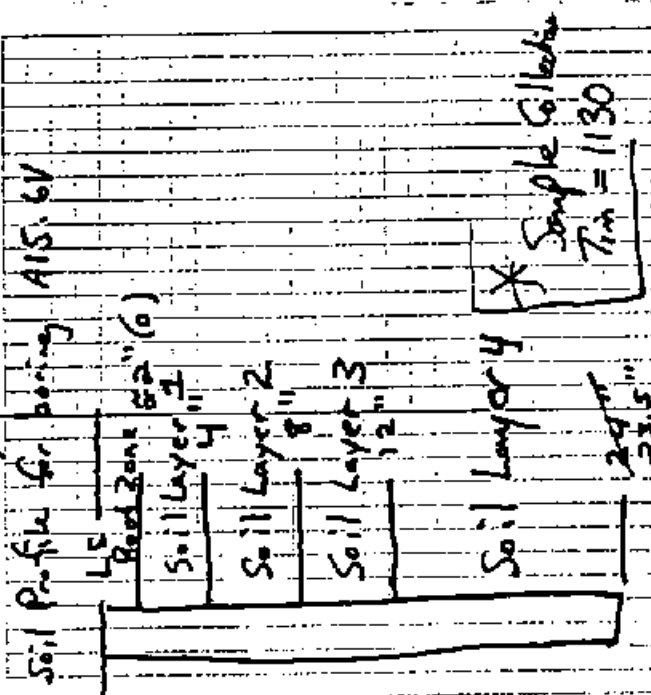
↓
 58' A15.6V

Building
529Building
429

O. Martin

4/1/98

58



Root Zone Sample: (Soil was black)

w many roots - grass and organic)
 Areas had standing water due to previous days rain.
 * Collected 902 aliquots for dichloro Surfo
 * Collected 902 aliquots for TOC, pH, Clay content and moisture content.

O. Martin

4/1/98 59

Soil Layer 1 (0-4")

- * Collected 1-902 aliquots for dielectric parameters
- * Collected 1-902 aliquots for TOC, pH and Clay & Moisture Content

Soil Layer 2 (4"-8")

- * Collected 1-902 aliquots for dielectric SDRs
 - * Collected 1-902 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 1-902 jar for dielectric and
- * Collected 1-902 jar for TOC, pH, Clay Content and Moisture Content (Brown Clay - fine sand)

A. Martin

4/1/98 60

Soil Layer 4 (Composite 12"-23.5")

- * Augered to 23.5" - Collected two Spoon Volumes and Composted Soil from 12"-23.5"
- Collected 1-902 jar for dielectric
- Collected 1-902 jar for TOC, pH, Clay Content and Moisture Content.
- Soil has brown color - Damp - Clay with some silt & sand

1602 Calibrate YSI 610-DMTeam B, Model 6820-C-O-Y
SN 96K0622AADO

Prior = 9.63

After = 9.99

pH

Prior = 4.01

After = 4.00

Prior = 7.05

After = 7.00

A. Martin

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4/11/98

Cond

prior = 4.9919

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 = 77.20 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, 5-7 mph

personnel: Elizabeth Germanaro

Steve Allison

Equip: VSI & dedicated tubing

Grundfos pump

Elizabeth Germanaro

4/11/98

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DDMT

1717 Start Pumping

Time	Vol	Temp	Cond	DO	pH	Redox	Turb
1723	start	18.5	0.004	8.86	5.89	193.1	732.2
1725	5.0	18.6	0.300	6.25	5.97	191.4	535.0
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 Turn handle down

1740 Stopped pumping - drew H₂O

from below Ditch. Sample w/

Jellon bailer to meter w a m.

1756 Go to MW-24

1804 Arrive @ MW-24

TD = 116.63

DTGW = 105.32

Bailer used to pump

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

1920 Go to office

H₂O level drawn down to ~ 2 ft

Sample in AM

1920 Go to office

Elizabeth Germanaro

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 new cap on MW-6
 0812 Arrive @ MW-24 to sample
 w/ new Teflon barrel
 Note: Smell from potpourri
 plant.
 weather: clear, 70's o. smph
 Personne: Elizabeth Germano
 Steve Allison
 0847 Arrive back @ Office
 0915 Took a fuel 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

~~65~~ -65-

1235 Drop off generator
1248 Wash & do truck

884

1311 Back @ office - packed
sampled, cleaned office
ship samples & equipment
Returned rental equipment
1700 Heading out (11)

8/2/98

Elizabeth Germano

Elizabeth Germano 4/2/98

-66-

END
OF
LOG

291 476

~~Elizabeth Germano~~

FINAL PAGE

ADMINISTRATIVE RECORD

FINAL PAGE

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ADMINISTRATIVE RECORD

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