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DEFENSE LOGISTICS AGENCY

THE MEMPHIS DEPOT
TENNESSEE

ADMINISTRATIVE RECORD
COVER SHEET

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DEFENSE DISTRIBUTION DEPOT MEMPHIS

QUARTERLY GROUNDWATER MONITORING REPORT

DEFENSE LOGISTICS AGENCY

CH2MHILL

U.S. Army Engineering
and Support Center,
Huntsville

[illegible]

258 2

CH2MHILL

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Suite 700
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September 19, 1997

Shawn Phillips
Defense Distribution Depot, Memphis
2163 Airways Blvd.
Memphis, Tennessee 38114

Subject: Transmittal of DDMT June 1997 Quarterly Groundwater Report Under Delivery Order 4 of Contract DACA87-94-D-0005

Dear Shawn:

Please find enclosed thirteen (13) copies of the June Quarterly Groundwater Report for the Defense Distribution Depot Memphis, Tennessee.

If you should have any questions or comments, please call me at (423) 483-9032.

Sincerely,

CH2M HILL

Greg Underberg
Project Manager

ATL/WP/LETTERS/PHIL_LTR.DOC
Enclosures

Contents

Appendices

Figures

Tables

TAB

Results and Discussion

1.0 Introduction

This report summarizes results for groundwater elevation and sample analytical data collected during the Defense Distribution Depot Memphis (DDMT) June 1997 quarterly groundwater sampling event. This report is organized into the following sections:

- Section 1 - Introduction
- Section 2 - Field Methods
- Section 3 - Groundwater Sampling Results
- Section 4 - Conclusions
- Section 5 - References

The analytical data summary, quality assurance/quality control (QA/QC) summary, purge logs, sample logs, and field notes are presented in Appendices A through E, 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 Laboratory analytical data sheets have been archived in the DDMT project files at CH2M HILL.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 requires the preparation of a RI/FS 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 through 1993 indicated the presence of organic and inorganic constituents exceeding levels of concern in groundwater 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 with 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 June 1997 groundwater elevation and water quality data collected from the monitoring wells at the DDMT facility. In addition, this report summarizes the spatial and temporal distribution of these data as 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 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 covers 642 acres of land in Shelby County, Memphis, Tennessee, in the extreme southwestern portion of the state (see Figure 1-1). 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 to the main installation, respectively. 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 to Dunn Field, respectively.

The 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 Environmental 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 (see Figure 1-2) as part of the investigative phase to characterize site conditions.

1.2 DDMT Hydrogeology

1.2.1 Regional Hydrogeology Setting

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 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. It 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, it may contain thin, discontinuous, fine sandy layers enclosed within silts and silty clays.

Fluvial (Terrace) Deposits. Quaternary and possibly Pliocene age fluvial deposits occur beneath the uplands and valley slopes of the Gulf Coastal Plain and are the remnants of ancient alluvial deposits of either present 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 underlay the loess. The thickness is highly variable because of erosional surfaces at both top and base. Locally, in the Memphis area, the fluvial deposits may be absent (Graham and Parks, 1986). These deposits comprise 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 the 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 caused the thickness to be highly variable. The Cockfield is generally an unconfined water-table aquifer (Parks and Carmichael, 1988) and 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 a range of 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 gravelly, 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 ground surface. It is thinnest in the northeastern part of the Memphis area in northwestern Fayette County, Tennessee, and thickest near the Mississippi River in southwestern Shelby County, Tennessee. The City of Memphis obtains its drinking water form 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 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 hydrogeology in the Memphis area. Well Sh:J-104 is less than 2 miles due west of DDMT (see Figure 1-4). It shows an approximate 75-foot thickness of loess and fluvial deposits, underlain by a 40-foot thickness of the Cockfield Formation. The Cook Mountain Formation is approximately 75 feet thick at this site and is underlain by the Memphis Sand at elevation 46 feet mean sea level (msl). The Memphis Sand is several hundred feet thick in this well.

Well Sh:J-167, which is about 2 miles to the southwest of the southwest corner of the main installation (see Figure 1-4), is on the upthrown side of the fault described below. It is also north of Nonconnah 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 about 20 to 30 feet thick. The Fluvial Aquifer is the lower saturated portion of the underlying terrace deposits. This 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 water table aquifer system. The Fluvial Aquifer is not used as a drinking water source within the City of Memphis.

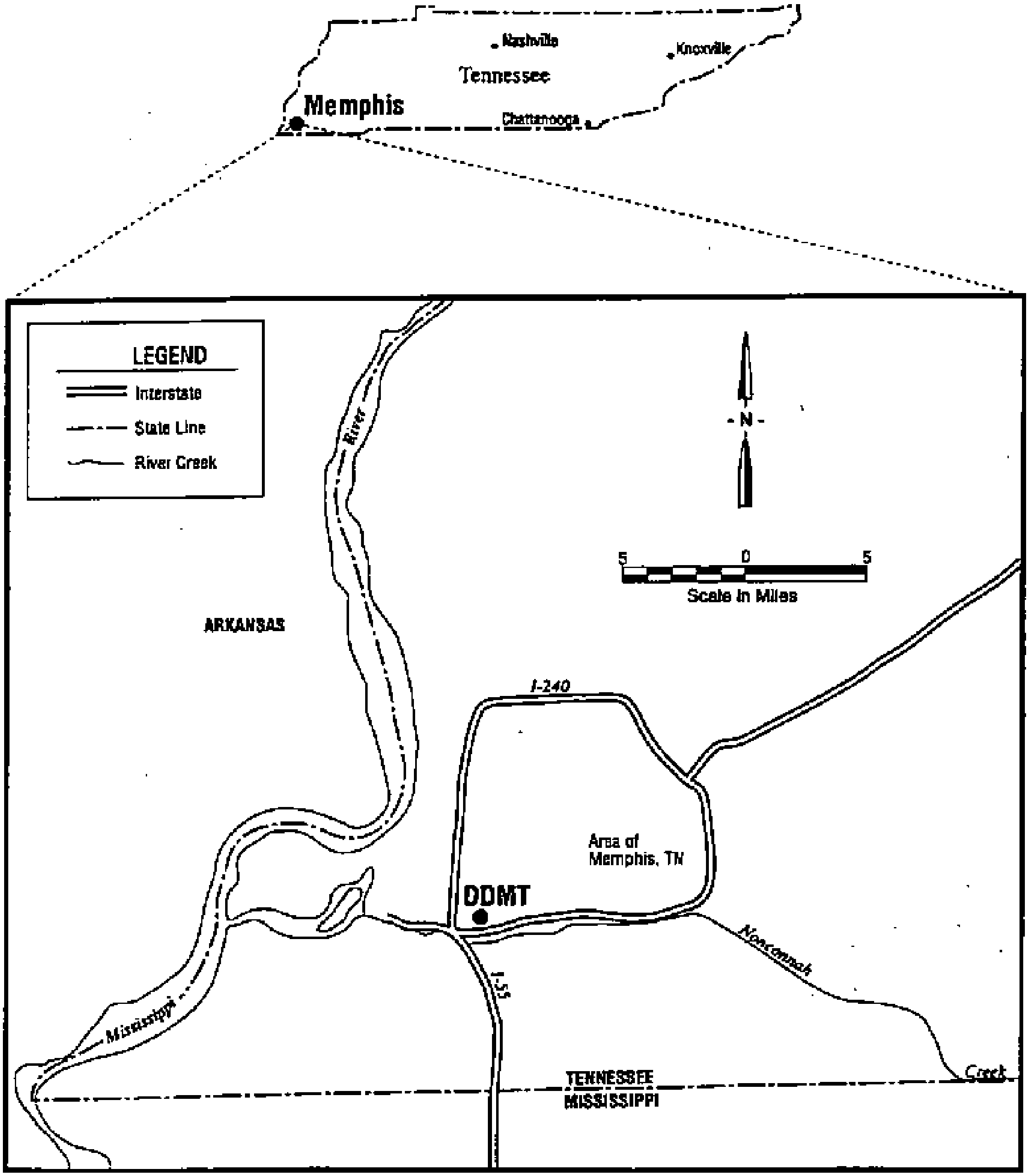
The upper portion of the Jackson Formation/Upper Claiborne Group, which serves as the base of the Fluvial Aquifer, generally consists of a high-plasticity clay of variable thickness. The depth to the top of the confining unit at OU-4 ranges from about 70 feet below land surface (bls) to about 160 feet 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 OU-4 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 at MW-36 (elevation 143 feet msl) and MW-37 (elevation 145 feet msl), from a dense silty clay to a sandy clay, possibly signifying the gradation from the Cockfield to the Cook Mountain Formations.

The altitude of the top of the Memphis Sand was also mapped by Kingsbury and Parks (1993). At well Sh: J-104, the top is at elevation 46 feet msl. Extrapolation to MW-36 and MW-37 shows approximate elevations of 82 feet and 93 feet, respectively, for the top of the Memphis Sand. Wells MW-36 and MW-37 encountered sands at elevations 128 and 125 feet msl, which is approximately 46 and 32 feet above the projected top 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.

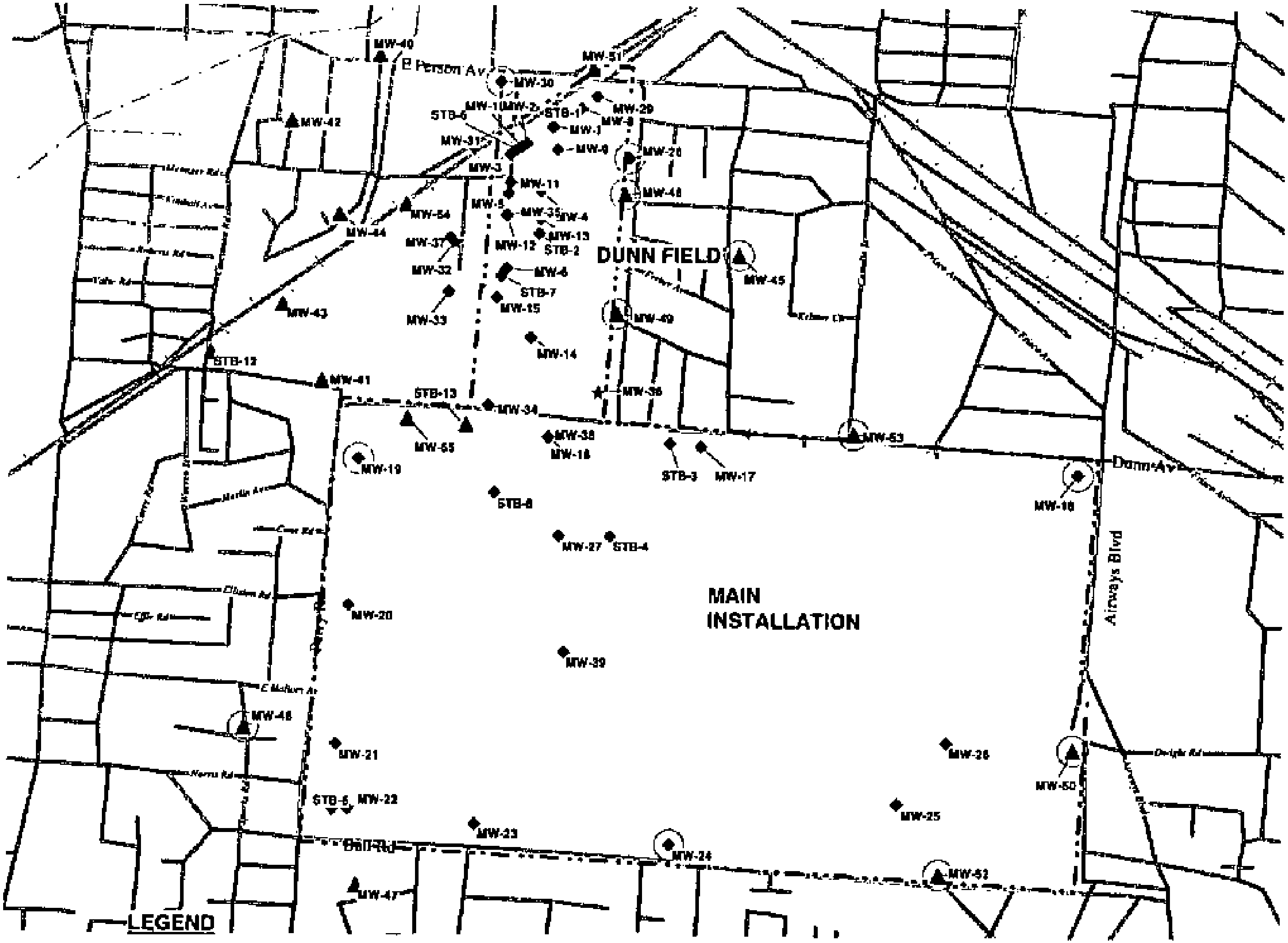
Groundwater flow in the Fluvial Aquifer is controlled primarily by the orientation of erosional paleosurface of the upper clay in the Jackson Formation/Upper Claiborne Group. As discussed in Section 3.1, groundwater flow generally follows the slope of this clay unit. A prominent feature of the Fluvial Aquifer flow system is a generally northwest-southeast trending depression in the clay surface (see Figure 1-5) located in the northwest portion of the main facility. 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 if the depressed clay surface results from paleoerosion or absence of the clay.



SOURCE: Engineering-Science, 1993.

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



LEGEND

- ▲ ALLUVIAL AQUIFER WELL/BOREHOLE (INSTALLED 1996)
- ◆ PREVIOUS INSTALLED WELL/BOREHOLE
- ★ MEMPHIS SAND WELL
- ○ BACKGROUND WELL

FIGURE 1-2
GROUNDWATER MONITORING WELL LOCATIONS
DEFENSE DISTRIBUTION DEPOT- MEMPHIS, TENNESSEE

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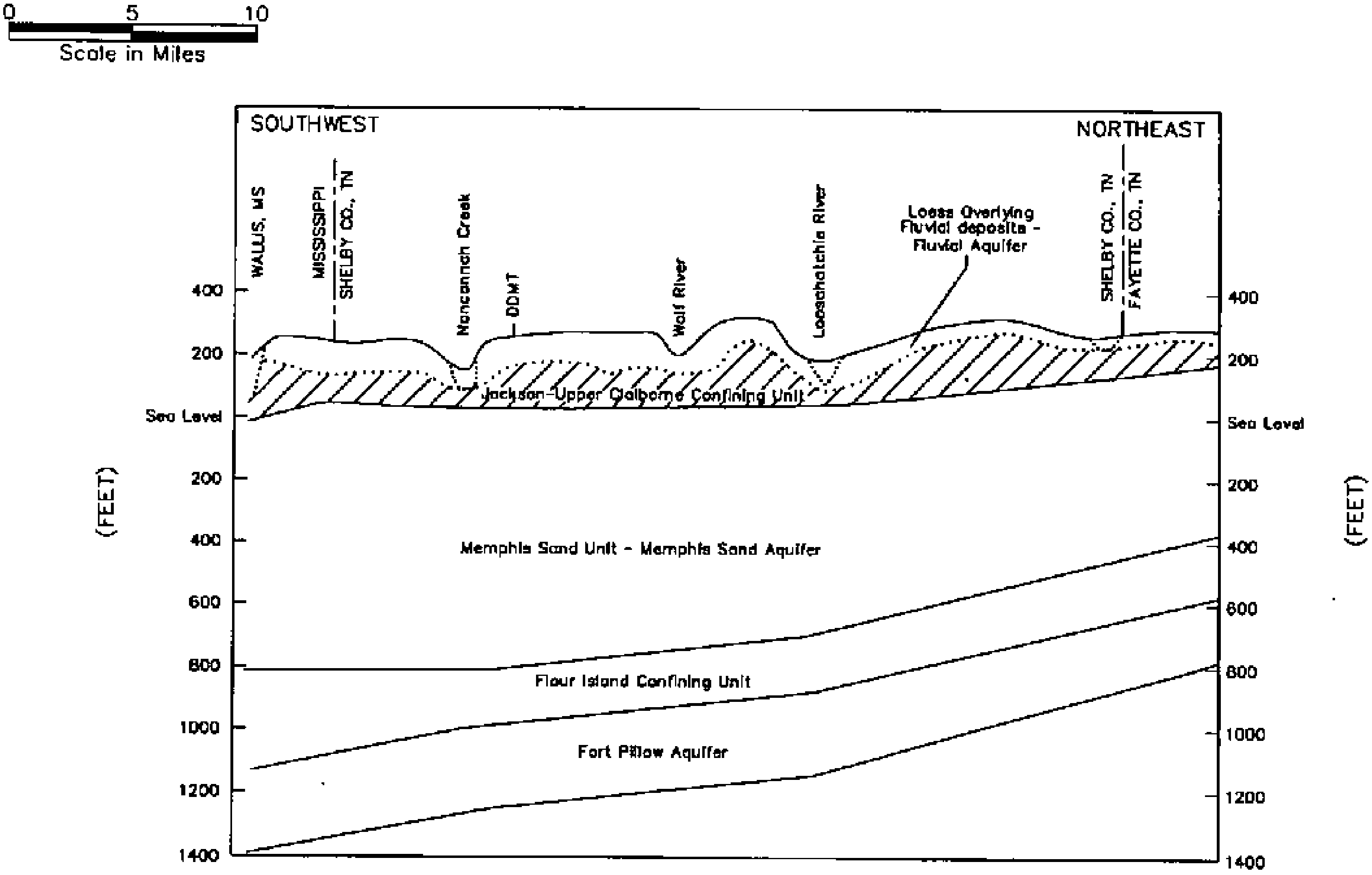

Source: Parks, 1990

FIGURE 1-3
GENERAL GEOLOGIC CROSS SECTION OF THE MEMPHIS AREA
DEFENSE DISTRIBUTION DEPOT - MEMPHIS, TENNESSEE

CH2M HILL

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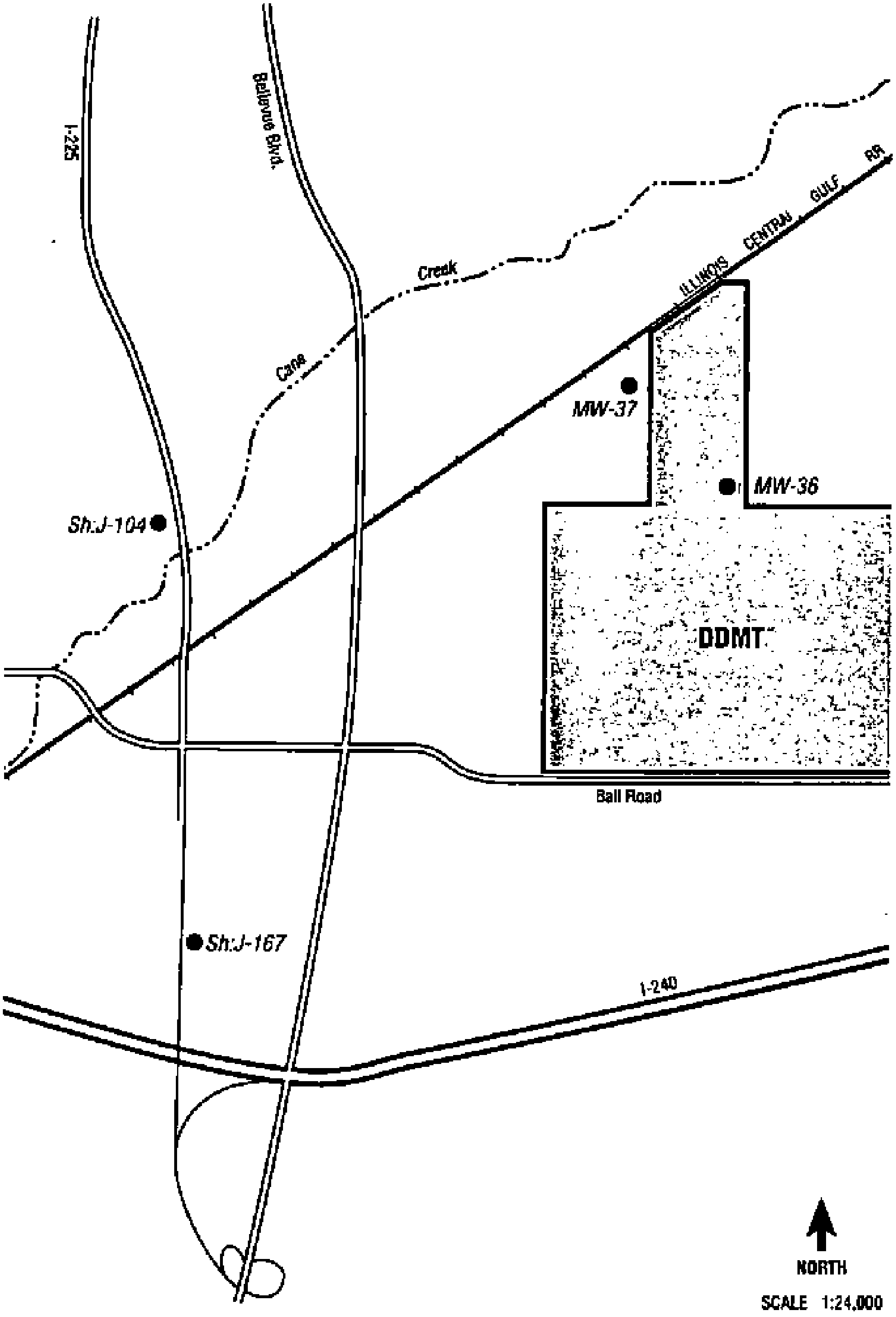


Figure 1-4
Confined Sand Aquifer Well Locations
Defense Distribution Depot • Memphis, Tennessee

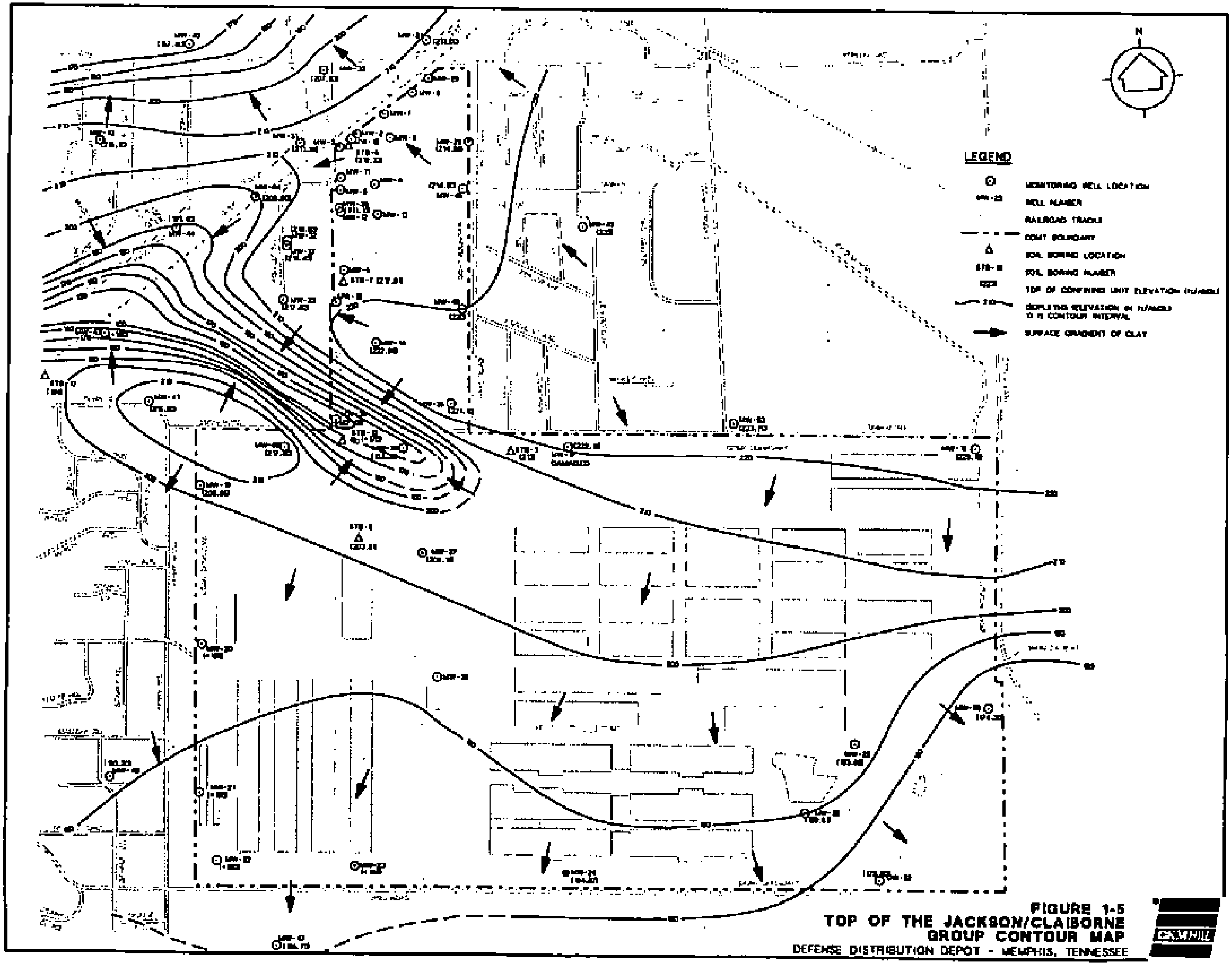


FIGURE 1-5
TOP OF THE JACKSON/CLAIBORNE GROUP CONTOUR MAP
DEFENSE DISTRIBUTION DEPOT - MEMPHIS, TENNESSEE

2.0 Field Methods

All groundwater samples were collected during this quarterly groundwater sampling event in accordance with the OU4-FSP (CH2M HILL, 1995). Water level measurements were recorded prior to collection of the groundwater samples. Each of the wells was vented for 24 hours before the water level was recorded to allow the water level in the wells to stabilize. This procedure was followed for all wells except MW-12 and MW-35. Because VOC concentrations in the breathing zones at MW-12 and MW-35 were anticipated to be sufficient to require Level C personal protective equipment (PPE), these wells were vented just prior to sampling.

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

- When the well was located, plastic was placed on the ground around the well head.
- The well head was opened and a VOC measurement from the headspace in the well was recorded using an Hnu instrument
- The volume of water in the well was estimated using the following equation:

  volume (gal) = 0.41 d^2 H
  where d = well diameter in inches
  H = height of water column in feet
  Note: 2-inch diameter schedule 40 PVC casing = 0.17 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, or conductivity in the effluent. Purging was terminated if the well was de-watered.
- Physical parameter measurements (pH, conductivity, turbidity, temperature, dissolved oxygen, salinity) 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 3 bailer volumes into the purge drums. Filling of the sample containers was initiated with the fourth bailer volume.

To prevent nylon twine from contacting the groundwater, a leader of Teflon-coated stainless-steel wire was attached to the bailer. Nylon twine was then attached to this leader and the bailer 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 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 miniscus 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 plastic zip-lock 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 log, sample log, and field notes (see Appendices C through E).

Upon completion of each well sampling, all disposable materials (PPE, twine, plastic, etc.) was discarded following appropriate disposal procedures. All drums containing purge and decontamination water were closed and labeled. The well was closed and locked and the sample area cleaned up.

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 similar to the bailed samples, described above. The samples were then analyzed for metals and SVOCs. The VOA portion of the sample was collected by removing the pump from the well, allowing the water to stabilize for at least 5 minutes, and then collecting the VOA 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-gal drums. These drums were transported to a polyethylene storage tank located on Dunn Field, where the water was transferred into a permanent on-site tank.

After the sampling and decontamination for all of the wells was completed, a composite sample of the purge and development water was collected and analyzed for VOCs, SVOCs, pesticides/PCBs, herbicides and metals for characterization in a manner determined by DDMT/CEHNC.

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. The Hnu's were zeroed to background levels at each new sampling location. Calibration records were kept in a field logbook by field personnel. These daily records include, at a minimum, the following:

- Instrument type (e.g., Hnu, 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.

TABLE 2-1
GROUNDWATER SAMPLE SUMMARY
DEFENSE DISTRIBUTION DEPOT-MEMPHIS, TENNESSEE

Well No.	Date	Sample No.	Analysis	QA/QC Samples	Well Volume (gal)	Purged Volume (gal)	No. of Well Volumes Purged	pH	Conductivity (ms-cm)	Redox	Temp (c)	DO (mg/L)	Turbidity NTU	Sample Method	Comments
2	6/21	MW022	VOCs	Dup	1.76	3.5	2	6.08	573	212	19.89	4.01	109.5	Pumped	Well dewatered during purge
3	6/21	MW032	VOCs; TAL Metals: TOC; SO_4, Cl, NO_3/NO_2, NH_4, Fe		2.44	7.34	3						>200	Bailed	No parameters instrument failure
4	6/20	MW042	VOCs; TAL Metals		1.9	6.0	3						>200	Bailed	No parameters instrument failure
5	6/21	MW052	VOCs, SVOCs, TAL Metals, Iodine		1.0	3.0	3	5.88	292	202	17.89	6.56	>200	Bailed	
6	6/21	MW062	VOCs; SVOCs; TAL Metals, FS; Fe		1.92	9.6	5						22.5	Pumped	No parameters instrument failure
7	6/21	MW072	VOCs, SVOCs, TAL Metals		2.25	6.78	3						>200	Pumped	No parameters instrument failure
8	6/21	MW082	VOCs; SVOCs; TAL Metals; TOC; SO_4, NO_3/NO_2, NH_4, Fe, Cl		1.71	5.1	3						>200	Bailed	No parameters instrument failure
9	6/20	MW092	VOCs; TAL Metals		1.5	4.5	3	6.22	421	249	18.97	6.36	>200	Pump/Bailed	Pump failed purge completed with bailer
10	6/21	MW102	VOCs; TAL Metals		1.68	8.0	4.7	6.01	380	99.8	18.13	5.44	28.0	Pumped	
11	6/21	MW112	VOCs; TAL Metals; Iodine		2.0	6.0	3	5.83	228	353	18.19	5.60	199.2	Bailed	
12	6/21	MW122	VOCs; TAL Metals		2.0	6.0	3	6.0	215	163.5	20.35	6.57	154.0	Pumped	
13	6/20	MW132	VOCs; SVOCs; TAL Metals; Fe; TOC; NO_3/NO_2, NH_3	Dup (SVOCs only)	2.0	6.0	3	5.91	208	287	18.66	8.84	>200	Bailed	
14	6/18	MW142	VOCs; SVOCs; TAL Metals; TOC; Fe, SO_4; NO_3/NO_2, Cl; NH_4	Dup (TAL Metals only)	1.25	5.0	4	5.70	224	342	18.84	12.80	>200	Bailed	
15	6/20	MW152	VOCs; TAL Metals		2.25	6.75	3	5.75	182	379	18.15	7.12	>200	Bailed	
16	6/19	MW162	VOCs: SVOCs; TAL Metals		3.00	9.0	1	5.93	588	181	21.39	0.88	1.93	Pumped	
17															
18															
19	6/18	MW192	VOCs; TAL Metals		1.25	1.25	1	6.20	150	260	19.56	11.02	113.8	Bailed	Well dewatered at 1.25 gallons
20	6/18	MW202	VOCs: SVOCs; TAL Metals		2.25	9.0	4	6.11	256	297	18.79	9.88	>200	Bailed	
21	6/20	MW212	VOCs: SVOCs; TAL Metals		2.04	8.0	4	5.95	215	136.7	19.13	5.57	8.25	Pumped	
22	6/19	MW222	VOCs; SVOCs; TAL Metals		1.75	5.25	3	6.07	454	274	18.82	13.36	>200	Bailed	
23	6/18	MW232	VOCs; SVOCs: TAL Metals		2.17	16.0	7.4	6.36	294	135.8	20.81	5.09	5:15	Pumped	
24	6/19	MW242	VOCs; SVOCs; TAL Metals	MSMSD	1.6	3.0	1.9	5.76	217	245	19.6	7.09	>200	Bailed	
25	6/19	MW252	VOCs; SVOCs; TAL Metals		1.25	3.75	3	6.49	214	274	19.15	12.33	194.5	Bailed	
26	6/20	MW262	VOCs; TAL Metals		2.10	6.3	3						>200	Bailed	No parameters instrument failure
28	6/17	MW282	SVOCs; TAL Metals		2.25	6.7	3	5.72	207	385	18.55	8.84	>200	Bailed	
29	6/20	MW292	VOCs: SVOCs: TAL Metals		3.0	9.0	3	5.82	376	398	17.98	4.64	>200	Bailed	
30	6/17	MW302	VOCs; SVOCs; TAL Metals	Split	2.82	14.1	5	5.93	446	148.5	18.92	3.86	39.2	Pumped	Split sample with State of Tennessee
31	6/20	MW312	VOCs: SVOCs; TAL Metals		3.49	10.47	3						123.4	Pumped	No parameters instrument failure
32	6/21	MW322	VOCs: TAL Metals: TOC: SO_4; NO_3/NO_2; Cl, NH_4, Fe		1.44	4.3	3						>200	Bailed	No parameters instrument failure
33	6/18	MW332	VOCs: TAL Metals		1.75	6.0	3.4	5.63	178	100	18.75	7.49	132.3	Pumped	
34	6/19	MW342	VOCs: SVOCs: TAL Metals	Dup	4.09	16.36	4	5.74	175	158.8	20.96	5.03	92.0	Pumped	
35	6/21	MW352	VOCs: SVOCs; TAL Metals	Dup: MSMSD	2.92	13	4.5	5.93	226	162.2	19.32	5.48	25.5	Pumped	
36	6/19	MW362	VOCs; SVOCs; TAL Metals, FS; Fe; SO_4, Tritium: Cl	Dup (Metals only)	8.90	27.0	3.1	7.51	185	114.4	18.80	4.09	193	Bailed	Dup and MSMSD for Metals only
37	6/18	MW372	VOC; SVOCs; TAL Metals	Split	9.56	28.67	3	6.6	348	-31.6	17.13	4.75	176	Bailed	Split with State of Tennessee
38	6/19	MW382	VOCs: SVOCs; TAL Metals; Cl; NH_4; FE: TOC: SO_4, NO_3/NO_2	Dup: MSMSD	3.50	10.5	3	6.24	232	212	18.94	11.76	85	Pumped	

TABLE 2-1
GROUNDWATER SAMPLE SUMMARY
DEFENSE DISTRIBUTION DEPOT-MEMPHIS, TENNESSEE

Well No.	Date	Sample No.	Analysis	QA/QC Samples	Well Volume (gal)	Purged Volume (gal)	No. of Well Volumes Purged	pH	Conductivity (ms-cm)	Redox	Temp (c)	DO (mg/L)	Turbidity NTU	Sample Method	Comments
39	6/20	MW392	VOCs. SVOCs. TAL Metals	Dup (metals only)	1.98	2.5	1.3						115	Pumped	Not enough water for parameters. Pump and bailer not able to reach bottom of well
40	6/19	MW402	VOCs		2.64	9.0	3.4	6.23	785	172	20.10	2.70	8.80	Pumped	
41	6/17	MW412	VOCs. TAL Metals		0.349	1.0	2.8						-	Pumped	Well dewatered at 1 gallon. Not enough water for parameters
42	6/21	MW422	VOCs		1	2.25	2	5.82	230	233	18.83	3.57	80.2	Bailed	Well dewatered at 2.25 gallons.
43															
44	6/20	MW442	VOCs; SVOCs; TAL Metals	Dup; MSMSD (VOCs only)	3.8	20.0	5.3	5.94	281	140.2	18.16	7.31	6.20	Pumped	
45	6/20	MW452	VOCs; SVOCs; TAL Metals	Dup (VOCs only)	2.46	16.0	6.5	6.08	337	141.5	19.93	2.76	103.5	Pumped	
46	6/17	MW462	VOCs; SVOCs; TAL Metals	Split	3.4	14.0	4.1	5.93	267	-	18.37	6.7	60.7	Bailed	Split with State of Tennessee
47	6/22	MW472	VOCs; SVOCs; TAL Metals					5.89	357		19.40	5.5	9.55	Pumped	
48	6/18	MW482	VOCs; SVOCs; TAL Metals		2.25	7.0	3	6.02	250	129.2	19.38	7.34	26.2	Pumped	
49	6/17	MW492	VOCs; SVOCs; TAL Metals		2.13	8.0	3.8	5.70	199	161	19.6	5.88	25.7	Pumped	
50	6/19	MW502	VOCs; SVOCs; TAL Metals		7.4	29.6	4.0	5.58	735	206	19.24	1.92	11.0	Pumped	
51	6/20	MW512	VOCs; SVOCs; TAL Metals		5.3	18.55	3.5	5.62	278	211.2	18.43	5.62	21.3	Pumped	
52	6/18	MW522	VOCs; SVOCs; TAL Metals		3.94	13.79	3.5	5.63	895	149	18.59	3.02	2.50	Pumped	
53	6/19	MW532	VOCs; SVOCs; TAL Metals		1.65	6.0	3.6	5.95	454	96.6	20.32	1.37	16.5	Pumped	
54	6/20	MW542	VOCs; SVOCs; TAL Metals		4.14	12.4	3						186.0	Pumped	No parameters instrument failure
55	6/18	MW552	VOCs; SVOCs; TAL Metals; Hardness; WC, Trilium		0.768	20	26	5.76	185	120	21.08	7.28	-	Pumped	

Notes:
Blank cells indicate no data available.
Dev = Development
QA/QC = Quality Assurance/Quality Control
gal = gallon
ms-cm = milliSiemens per centimeter
cm/sec = centimeter/second
VOC = volatile organic compound
PPM = parts per million
COE = U.S. Army Corps of Engineers
TDEC = Tennessee Department of Environmental Conservation
SVOC = semivolatile organic compound
TAL = Toxic Analyte List
Pest/PCB = Pesticides/PCBs
Herb = herbicides
MS/MSD = matrix spike/matrix spike duplicate
DO = dissolved oxygen
FS = TOC, Sulfate, Nitrate/Nitrite, Chloride (Cl), NH_4, and Iron (Fe)
Al = aluminum
WQ = HCO_3, SO_4, Chloride (Cl), Fluoride (Fl), NO_3, TDS, Hardness, and Tritium (H_3)

258 21

3.0 Groundwater Sampling Results

3.1 Groundwater Elevations and Gradients

The groundwater elevation distributions for the June 1997 quarterly groundwater sampling event are depicted in Figure 3-1 and listed in Table 3-1. A local groundwater divide is apparent along the line formed by wells MW-44, MW-54, MW-12, and MW-35. 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 0.0017 foot/foot and 0.023 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 1.7 feet/day assuming the following parameters:

- hydraulic gradient = 0.023 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 south of Dunn Field 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. However, 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 0.00085 foot/foot and 0.029 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 2.14 feet/day assuming the following parameters:

- hydraulic gradient = 0.029 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, in the northern portion of the main installation and the area surrounding Dunn Field, groundwater hydraulic gradients 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 June 1997 sampling event with groundwater elevations recorded during the previous groundwater sampling event in February 1996 indicates the following:

- Groundwater underlying Dunn Field was on average 2.18 feet higher in June 1997 than in February 1996.
- The maximum difference in groundwater elevation was observed at MW-37, where the groundwater elevation recorded was 5.19 feet higher in June 1997 compared to the February 1996 data.
- Groundwater elevations underlying the main installation were on average 0.68 foot lower in June 1997 than in February 1996.
- The maximum difference in groundwater elevation in this area was observed at MW-20, where the groundwater elevation recorded was 1.16 feet lower in June 1997 compared to the February 1996 data.

The temporal trends in the groundwater elevation distribution have not yet been interpreted due to the amount of time which has passed between the two most recent sampling events (February 1996 and June 1997). A more detailed assessment of the temporal groundwater elevation trends will be presented in future quarterly groundwater sampling reports.

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 June 1997 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 June 1997 samples. This data quality assessment is presented in Appendix A.

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 June 1997 quarterly sampling event at the DDMT facility are depicted on Figures 3-2 through 3-11. Well-specific groundwater analytical data are included in Appendix B.

Comparison of duplicate sample results indicates the following. For organic compounds, the analytical results for the duplicate samples were within the quality control guidelines of 20 percent. However, greater variability was observed in the analytical results for the metal duplicate samples. This variability is indicative of variability in the sample matrix. As discussed in Section 3.2.3, sample turbidity appears to have an influence on the sample concentration. Therefore, variation in the turbidity of duplicate metals samples could account for the variability observed between the duplicate analytical results.

3.2.1 Spatial Distribution of Organic Constituents

Figures 3-2 through 3-6 show the 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 (ug/L) to a high of 5,900 ug/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 8 wells during the June 1997 quarterly sampling event, two of which were off-site wells (see Figure 3-2). 1,1-DCE was not reported in any wells on the main installation and was found on-site only in the northwest corner of Dunn Field (see Figure 3-2). 1,1-DCE was not reported in two off-site wells, MW-40 and MW-47, where it had been detected in samples collected during February 1996. The concentrations of 1,1-DCE in the other monitoring wells was generally similar to those reported in the GCDR for each respective well. The minor differences in concentration might be attributed to normal sampling variations or seasonal variations. Trend analysis, including future quarterly sampling data, will be necessary to evaluate the significance of these trends.

Tetrachloroethylene (PCE). The occurrence of PCE was relatively widespread during the June 1997 quarterly sampling event, similar to what was reported in the GCDR. This compound was reported in 24 wells located both on-site and off-site (see Figure 3-3). Concentrations of PCE range from none detected to 110 ug/L in MW-1. The overall distribution of PCE is consistent with the distribution described in the GCDR and all of the wells exceed the background and Proposed Remediation Goal (PRG) concentrations for this compound. Again, as noted for 1,1-DCE, the variations in concentration observed between the data collected in June 1997 and February 1996 could be attributed to normal sampling variability or seasonal variations. Additional quarterly groundwater data are required to assess these trends.

PCE was reported at four areas on DDMT, as shown in Figure 3-3. These areas were previously noted in the GCDR and have remained generally consistent. The largest of the four plumes is centered on the western and northwestern boundary of Dunn Field. Two smaller plumes are located in the southwest and southeast corners of the main facility (see Figure 3-3). The plume in the southwest corner of the facility exhibits an apparent reduction in size from the February 1996 to the June 1997 sampling events. PCE was not reported in the June 1997 data for samples collected at wells MW-22 and MW-23. Samples from these wells contained low levels of PCE (2 ug/L and 1 ug/L, respectively) in the February 1996 data. Additional groundwater analyses are necessary to assess the persistence of this trend. Finally, an isolated occurrence of PCE is reported in MW-39 (6 ug/L). There are insufficient data to correlate the PCE reported in this well with concentrations from other wells on the facility.

Trichloroethylene (TCE). TCE was reported in four separate locations at DDMT and detected in 24 wells during the June 1997 quarterly sampling event. The distribution of TCE is generally consistent with the distribution described in the GCDR; however, TCE was reported in only one off-site location (MW-51) during this quarterly sampling event (see

Figure 3-4). The concentrations of TCE ranged from none detected to 5,900 ug/L. All of the reported concentrations of TCE, where detected, exceeded either background concentrations or both background and PRG concentrations.

The largest TCE plume encompasses the northwest boundaries of Dunn Field and extends off-site to the west and northwest of Dunn Field. The plume configuration is, generally, similar to that described in the GCDR. A slight southerly shift in the center of mass of the plume might be suggested by the June 1997 data in comparison to the February 1996 data. Concentrations of TCE at wells MW-31 and MW-35 exhibited a drop from 1,100 and 1,900 ug/L, respectively (as reported in the February 1996 data) to 78 and 160 ug/L, respectively (as reported in the June 1997 data). On the other hand, concentrations of TCE at MW-12 showed an increase from 650 to 5,900 ug/L between the February 1996 and June 1997 sampling events. In addition, a low level of TCE (4 ug/L) was reported in the sample from well MW-44. TCE was not detected in the sample from this well collected in February 1996.

Little change was observed between the February 1996 and June 1997 data for the other TCE plumes identified on-site, except the following: TCE was not detected in the samples collected from wells MW-47 and MW-53. Low levels of TCE had previously been reported in the GCDR for these two wells (2 ug/L and 1 ug/L, respectively). Additional sampling events are necessary to more fully assess the concentration trends in these wells, as well as the trends observed in the other monitoring wells.

1,1,2,2,-Tetrachloroethane (1,1,2,2-PCA). This VOC was detected in samples collected from 9 wells during the June 1997 sampling event (see Figure 3-5). These wells were located both on- and off-site. The plume described 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 GCDR. The values of 1,1,2,2-PCA ranged between none detected to 540 ug/L in MW-12. All detected values exceeded both background and PRG concentrations.

The 1,1,2,2-PCA concentration distributions in the June 1997 and February 1996 data are consistent, with the notable exception of the data from MW-31. In the February 1996 data, this VOC was detected at 420 ug/L in MW-31. However, 1,1,2,2-PCA was not detected in the sample collected from MW-31 during the June 1997 sampling event. In addition, a decline in 1,1,2,2-PCA concentration was observed at MW-35, where it declined from 200 to 11 ug/L. An increase in 1,1,2,2-PCA was also observed at MW-12, where the concentration increased from 120 to 540 ug/L. Future groundwater sampling events will be useful in assessing the persistence of the concentration trends observed between the February 1996 and June 1997 sampling events.

Carbon Tetrachloride (C4). C4 has been observed in three areas at DDMT. Two of the areas are located along the northern and western boundaries of Dunn Field. The third area is an isolated region in the vicinity of MW-26 on the main installation (see Figure 3-6). Each of these plumes was described in the GCDR. Concentrations of C4 ranged from none detected to 45 ug/L at MW-6. As with the other VOCs, the general distribution of C4 was consistent with distributions reported in the GCDR. The following differences in distribution were noted in the June 1997 data compared to the February 1996 data:

- Low levels of C4 were detected in wells MW-8, MW-14, and MW-44 at 8 ug/L, 1, ug/L and 6 ug/L, respectively. Samples analyzed from these wells during the February 1996 sampling event did not contain detectable concentrations of C4.

- C4 was not detected in wells MW-11 and MW-34, where previously the compound had been reported in low levels (1 ug/L for both wells).

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

3.2.2 Spatial Distribution of Inorganic Compounds

Groundwater samples were collected and analyzed for total (unfiltered) metals. Figures 3-7 through 3-11 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 the GCDR. Tables 3-2 and 3-3 summarize the concentrations of metals detected in groundwater samples from the Fluvial Aquifer.

Beryllium. Beryllium was found in samples from 13 wells located generally in Dunn Field and the western half of the main installation during the June 1997 sampling event (see Figure 3-7). Concentrations in these 13 wells ranged between 0.54 and 14.9 ug/L. All but one of these samples exceeded the background and PRG concentrations for this constituent.

In contrast to the findings reported in the GCDR, beryllium was not detected in any off-site wells during the June 1997 sampling event. As noted above with regard to the VOC compounds, the temporal trends in this analyte are difficult to interpret considering the span of time between the February 1996 and the June 1997 sampling events. The potential effect of seasonal variations should become more apparent with the analysis of additional quarterly samples.

Chromium. Chromium was detected in samples from 28 wells located across the DDMT facility and off-site (see Figure 3-8). Concentrations in these wells ranged between 8.2 ug/L and 219 ug/L. The highest concentrations of chromium were observed in Dunn Field wells, with the maximum concentration occurring in MW-4 (219 ug/L). All of these concentrations exceeded background values and PRGs (Table 3-5). In general, the concentrations reported for samples from wells on the main installation were above background levels but below the PRG of 18 ug/L except for MW-24, which had a value of 67.8 ug/L. Only two off-site wells, located west of Dunn Field, contained detectable concentrations of chromium (MW-32 and MW-54). Of these, only the sample from MW-32 (18.5) exceeded the PRG.

Copper. Copper was detected in 19 wells across Dunn Field, the main installation area, and off-site to the west and east of Dunn Field (see Figure 3-9). The highest values of copper were detected along the northwest boundary of Dunn Field at wells MW-4 (135 ug/L) and MW-29 (99 ug/L). All of the concentrations detected in these 19 wells exceeded background concentrations for copper; however, copper was detected at the PRG for this analyte in only one sample (collected from MW-4). In general, the copper concentrations reported from on-site wells were greater than those reported from off-site wells.

Lead. Lead was detected throughout Dunn Field and the main installation area, in a total of 42 wells (see Figure 3-10). Concentrations in samples from these wells ranged from 1 ug/L to 124 ug/L (MW-4). While the concentrations in all of the samples exceeded the background concentration, only samples from nine wells exceeded the PRG (15 ug/L) for this analyte. In general, the highest concentrations were reported for samples from Dunn

Field wells located, again, along the northwest boundary of the site. Two wells were also located on the main installation (MW-24 and MW-39). No samples from off-site wells had concentrations that exceeded the PRG during the June 1997 sampling event.

Nickel. Nickel was detected in samples from 25 wells located in Dunn Field, the main installation area, and off-site to the west of Dunn Field (see Figure 3-11). Concentrations of nickel in these samples ranged between 4.9 ug/L and 96 ug/L. Ten of these samples had concentrations which exceeded the PRG (13.4 ug/L) for this analyte.

3.2.3 The Impact of Turbidity on Metals Concentrations

Table 3-4 and Figure 3-12 present the effect of groundwater sample turbidity on total indicator metal concentrations. The February 1996 data presented in the GCDR showed an ambiguous relationship between turbidity and the concentration of metals in the individual samples. During the June 1997 sampling event, turbidity measurements were made with a more accurate bench scale turbidity meter, rather than by field measurements.

The June 1997 data indicate an overall positive relationship between sample turbidity and concentration (see Figure 3-12). The linear correlation between turbidity and concentrations is evaluated in Table 3-4 by calculating a linear correlation coefficient between individual total metal concentrations and turbidity. A correlation coefficient of zero indicates that the magnitude of the metal concentrations is not linearly dependent on the magnitude of turbidity. Values of positive or negative one indicate a perfect direct and inverse linear relationship between concentration and turbidity, respectively. Intermediate values indicate a less than perfect correlation.

Table 3-4 indicates that the metal concentration to turbidity correlation coefficients are moderate, with an average correlation coefficient of 0.32. The correlation coefficients for six indicator analytes (arsenic, beryllium, chromium, copper, lead, and nickel) ranged between 0.42 for nickel to 0.59 for copper. These values suggest that sample turbidity does increase the value of the metals concentrations.

A data quality assessment was performed on the laboratory analytical results of the June 1997 samples. This data quality assessment is presented in Appendix A.

3.2.4 Well Specific Constituent Trends

Concentrations of the detected VOCs and metals from the June 1997 sampling event were 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* (ESE, 1994), and the 1996 water quality data were taken from the GCDR. These data were compared to the June 1997 groundwater quality results to perform a trend analysis of select organic and inorganic constituents.

3.2.4.1 Temporal Trends in VOCs

The concentrations of TCE, PCE, 1,1,2,2-PCA and carbon tetrachloride for 18 wells were plotted over time to determine possible trends that might signify natural attenuation or continued leaching of organic compounds into the Fluvial Aquifer. Only those wells for which data were available for at least four consecutive sampling events (1989, 1990, 1993, and 1996) were plotted. Figures 3-13 through 3-16 show the temporal concentration trends for the aforementioned organic constituents.

PCE. The PCE trends depicted in Figure 3-13 indicate that from 1996 to 1997, PCE increased in seven wells and decreased in four wells. Wells with an increasing trend include MW-03, MW-04, MW-10, MW-12, MW-15, MW-21, and MW-31. Wells showing a general decreasing trend include MW-05, MW-07, MW-08, and MW-11. Six of the seven wells with increasing trends are located within the Dunn Field plume, within the northwestern portion of the main installation. The seventh well, MW-21 is located southeast of the main installation. The four wells with a decreasing trend are also located within the Dunn Field plume. The greatest change in PCE was an increase of 60 ug/L in MW-12. The most significant decrease over this time period was 25 ug/L measured in MW-05.

TCE. TCE trends depicted in Figure 3-14 indicate that from 1996 to 1997, TCE increased in 10 wells and decreased in 5 wells. Wells showing an increasing trend include MW-05, MW-07, MW-08, MW-09, MW-10, MW-11, MW-21, MW-26, MW-31, and MW-32. Wells showing a general decreasing trend include MW-12, MW-15, MW-26, MW-31, and MW-35. Eight of the 11 wells with increasing trends are located within the Dunn Field plume, within the northwestern portion of the main installation; two wells (MW-21 and MW-26) are located southeast and southwest of the main installation, respectively. The five wells showing a decreasing trend are also located within the Dunn Field plume. The greatest change in TCE was an increase of 5,250 ug/L, which occurred in MW-12. During this time period, the most significant decrease in TCE was 1,900 ug/L in MW-35.

1,1,2,2-PCA. The 1,1,2,2-PCA trends depicted in Figure 3-15 indicate that from 1996 to 1997, 1,1,2,2-PCA increased in three wells and decreased in three wells. Wells showing an increasing trend include MW-10, MW-12, and MW-32. Wells showing a general decreasing trend include MW-06, MW-31, and MW-35. All six wells are located within the Dunn Field plume, within the northwestern portion of the main installation. The greatest change in 1,1,2,2-PCE was an increase of 400 ug/L, which occurred in MW-12. A decrease of 400 ug/L in MW-31 was the most significant reduction of 1,1,2,2-PCE over this time period.

Carbon Tetrachloride. Carbon tetrachloride trends depicted in Figure 3-16 indicate that from 1996 to 1997, carbon tetrachloride increased in five wells and decreased in two wells. Wells showing an increasing trend include MW-06, MW-09, MW-10, MW-15, and MW-32. Wells showing a general decreasing trend include MW-11 and MW-31. All seven wells are located within the Dunn Field plume, in the northwestern portion of the main installation. The greatest change in carbon tetrachloride was an increase of 25 ug/L, which occurred in MW-12. A decrease of 4 ug/L was the most significant reduction of carbon tetrachloride during this time period.

3.2.4.2 Temporal Trends in Metals

The concentrations of chromium, copper, lead, and arsenic were plotted over time to evaluate well-specific trends in 20 wells completed in the Fluvial Aquifer. Only those wells for which data were available for at least four consecutive sampling events (1990, 1993 ,1996 and 1997) were plotted. Figure 3-17 shows the temporal concentration trends for the aforementioned inorganic constituents.

In general, of the four metals plotted, chromium typically had the highest values, followed by copper, lead, and arsenic. Metal values generally decreased between 1990 and 1996, and moderately increased between the 1996 and 1997 sampling events. As a group, the metals concentrations were generally higher in the 1993 sampling event than in either the 1990, 1996, or 1997 sampling events. The metals analyses for all sampling events were performed on unfiltered samples. Therefore, it is likely that some of the differences in values may be attributed to turbidity in the samples.

Chromium. The plots of concentration versus time indicate that chromium was detected at the greatest concentrations relative to the other metals and that an overall decline in concentrations occurred between the 1990 and 1996 sampling events. A comparison of the three sampling events showed that the general trend was that the highest chromium values occurred in 1993, intermediate values occurred in 1990, and the lowest values occurred in 1996. Between the 1996 and 1997 sampling events, chromium increased in 10 wells, decreased in 6 wells, and showed no change in 4 wells. The greatest increase in chromium concentration (219 ug/L) occurred in MW-04, while the greatest reduction (30 ug/L) occurred in MW-06.

Copper. In general, lower values of copper were detected compared to chromium. The 1990 and 1993 values were either similar, or the 1993 values were slightly higher than the 1990 values. For the period between 1993 and 1996, an overall decline in the copper concentrations was observed. During the most recent sampling (1997), copper levels increased in 9 wells, declined in 8 wells, and remained unchanged in 6 wells, compared to the 1996 sampling event. During this period, the greatest change (55 ug/L) in copper was observed in MW-08, while the copper levels in MW-12 declined by more than 100 ug/L.

Lead. Over time, lead levels have been lower than those of chromium and copper. There 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. During the period from 1996 to 1997, lead levels increased in 10 wells, declined in 5 wells, and remained virtually unchanged in 5 wells. The most significant change in lead levels was an increase of 124 ug/L in MW-04.

Arsenic. Arsenic consistently had the lowest concentrations relative to the other detected metals and showed a decreasing trend over the 1990 through 1996 sampling events. Arsenic levels increased in 10 wells, declined in 2 wells, and remained unchanged in 7 wells between the 1996 and 1997 sampling events. This was the first sampling event in which arsenic levels did not remain relatively constant and low.

TABLE 3-1
WATER LEVEL AND TOP OF CONFINING UNIT ELEVATIONS
DEFENSE DISTRIBUTION DEPOT-MEMPHIS, TENNESSEE

Well / Boring #	Old #	DTW (ft below TOC)	Estimated Depth to Top of Confining Layer (ft)	Ground Surface Elevation	TOC Elevation	GW Elevation	Top of Confining Layer Elevation	Comments
2	na	25.03	na	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	na	
3	na	62.18	na	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	na	
4	na	69.80	na	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	na	
5	na	74.50	na	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	na	
6	na	58.28	na	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	na	
7	na	63.08	na	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	na	
8	na	57.59	na	292.74	NOT AVAILABLE	235.15	na	
9	na	71.10	na	304.66	NOT AVAILABLE	233.56	na	Replaced cap
10	na	57.55	na	288.96	NOT AVAILABLE	231.41	na	
11	na	69.27	na	299.59	NOT AVAILABLE	230.32	na	
12	na	71.00	na	301.40	NOT AVAILABLE	230.40	na	Replaced cap
13	na	67.88	na	299.95	NOT AVAILABLE	232.07	na	
14	na	71.82	79.50	302.44	NOT AVAILABLE	230.62	222.94	
15	na	64.32	na	295.23	NOT AVAILABLE	230.91	na	
16	na	57.73	75.00	300.19	NOT AVAILABLE	242.46	225.19	
17	na		94.00	316.18	NOT AVAILABLE	na	222.18	
18	na		na	308.25	NOT AVAILABLE	308.25	na	
19	na	88.06	90.00	290.86	NOT AVAILABLE	202.80	200.86	
20	na	85.28	na	285.19	NOT AVAILABLE	199.91	na	
21	na	93.88	na	295.11	NOT AVAILABLE	201.23	na	
22	na	96.85	na	298.06	NOT AVAILABLE	201.21	na	
23	na	99.35	na	299.04	NOT AVAILABLE	199.69	na	
24	na	106.95	114.70	299.57	NOT AVAILABLE	192.62	184.87	
25	na	72.23	80.70	270.31	NOT AVAILABLE	198.08	189.61	
26	na	100.02	110.00	303.68	NOT AVAILABLE	203.66	193.68	
27	na		96.00	304.19	NOT AVAILABLE	na	208.19	
28	na	55.54	80.00	294.89	NOT AVAILABLE	239.35	214.89	
29	na	35.31	na	273.35	NOT AVAILABLE	238.04	na	
30	na	42.34	66.00	273.93	NOT AVAILABLE	231.59	207.93	
31	na	64.18	76.30	287.38	NOT AVAILABLE	223.20	211.08	
32	na	58.96	66.50	285.42	NOT AVAILABLE	226.46	218.92	
33	na	48.17	60.00	277.52	NOT AVAILABLE	229.35	217.52	
34	na	137.78	158.30	300.78	NOT AVAILABLE	163.00	142.48	
35	na	70.13	90.50	301.65	NOT AVAILABLE	231.52	211.15	
36	na	153.33	90.00	311.15	NOT AVAILABLE	157.82	221.15	
37	na	127.42	70.00	285.45	NOT AVAILABLE	158.03	215.45	
38	na	133.22	155.00	308.36	NOT AVAILABLE	175.14	153.36	
39	na	102.71	na	298.42	NOT AVAILABLE	193.71	na	
40	O	78.79	95.00	262.40	262.25	183.46	167.40	
41	K	64.96	67.00	283.90	283.81	218.85	216.90	
42	N	53.67	59.00	275.10	274.87	221.20	216.10	
43	L		na	285.50	285.23	na	na	
44	M	49.24	78.00	269.40	269.07	219.83	191.40	
45	C	54.83	70.00	293.10	292.81	237.98	223.10	
46	B	50.10	73.00	287.90	287.56	237.46	214.90	
47	H		120.00	306.70	306.39	306.39	186.70	
48	I	79.45	94.50	284.70	284.49	205.04	190.20	
49	D	76.10	90.00	310.70	310.49	234.39	220.70	
50	F	85.60	125.00	299.30	298.78	213.18	174.30	
51	A	36.70	64.50	275.50	275.24	238.54	211.00	
52	G	80.37	104.00	279.50	278.19	197.82	175.50	
53	E	72.75	83.00	306.70	306.38	233.63	223.70	
54	J	74.49	95.00	295.50	295.36	220.87	200.50	
55	U	69.28	75.00	292.40	292.05	222.77	217.40	
PW1	na		na			0.00	na	
PW2	na		na			0.00	na	
PW3	na		na			0.00	na	
STB-6	na		75.00	287.32	na	na	212.32	
STB-7	na		70.00	287.81	na	na	217.81	
STB-8	na		95.00	298.51	na	na	203.51	
STB-12	na		104.00		na	na	-104.00	

All measurements collected from top of inner casing.

Water levels collected on February 14, 1996.

na = not applicable

258 30

TABLE 3-2
DETECTED GROUNDWATER CONSTITUENTS
DEFENSE DISTRIBUTION DEPOT MEMPHIS, TENNESSEE

Parameter	Well	Concentration (ug/L)	Q	PRG (ug/L)	PRG Basis	Background (ug/L)	Background Basis
1,1,1-TRICHLOROETHANE	MW03	1	J	164.25	S	1	MAX_DET
	MW29	8	J	164.25	S	1	MAX_DET
	MW31	2	J	164.25	S	1	MAX_DET
1,1,2,2-TETRACHLOROETHANE	MW02	2	J	0.21	C	NA	NA
	MW03	31	=	0.21	C	NA	NA
	MW06	110	=	0.21	C	NA	NA
	MW10	24	J	0.21	C	NA	NA
	MW11	9	J	0.21	C	NA	NA
	MW12	540	=	0.21	C	NA	NA
	MW32	91	=	0.21	C	NA	NA
	MW35	11	=	0.21	C	NA	NA
1,1,2-TRICHLOROETHANE	MW06	7	J	0.60	C	NA	NA
	MW32	4	J	0.60	C	NA	NA
1,1-DICHLOROETHANE	MW07	1	J	182.50	S	NA	NA
	MW29	2	J	182.50	S	NA	NA
	MW31	2	J	182.50	S	NA	NA
	MW40	2	J	182.50	S	NA	NA
	MW03	15	=	0.07	C	2	MAX_DET
	MW07	28	=	0.07	C	2	MAX_DET
	MW08	12	=	0.07	C	2	MAX_DET
	MW09	2	J	0.07	C	2	MAX_DET
	MW10	48	=	0.07	C	2	MAX_DET
	MW29	32	=	0.07	C	2	MAX_DET
	MW31	29	=	0.07	C	2	MAX_DET
	MW31	5	J	0.07	C	2	MAX_DET
ALUMINUM	MW02	15500	=	NA	NA	1798	2XMEAN
	MW03	23300	=	NA	NA	1798	2XMEAN
	MW04	105000	J	NA	NA	1798	2XMEAN
	MW05	12700	=	NA	NA	1798	2XMEAN
	MW06	420	=	NA	NA	1798	2XMEAN
	MW07	13300	=	NA	NA	1798	2XMEAN
	MW08	21600	=	NA	NA	1798	2XMEAN
	MW09	6400	J	NA	NA	1798	2XMEAN
	MW10	754	=	NA	NA	1798	2XMEAN
	MW11	2650	=	NA	NA	1798	2XMEAN
	MW12	2320	=	NA	NA	1798	2XMEAN
	MW13	5640	J	NA	NA	1798	2XMEAN
	MW14	5240	J	NA	NA	1798	2XMEAN
	MW15	11300	J	NA	NA	1798	2XMEAN
	MW16	112	J	NA	NA	1798	2XMEAN
	MW19	1150	J	NA	NA	1798	2XMEAN
	MW20	4230	J	NA	NA	1798	2XMEAN
	MW21	127	J	NA	NA	1798	2XMEAN
	MW22	2460	J	NA	NA	1798	2XMEAN
	MW23	80.2	J	NA	NA	1798	2XMEAN
	MW24	39600	J	NA	NA	1798	2XMEAN
	MW25	2860	J	NA	NA	1798	2XMEAN
	MW26	5190	J	NA	NA	1798	2XMEAN
	MW28	917	J	NA	NA	1798	2XMEAN
	MW29	27900	J	NA	NA	1798	2XMEAN
	MW30	101	J	NA	NA	1798	2XMEAN
	MW31	1450	J	NA	NA	1798	2XMEAN
	MW32	5680	=	NA	NA	1798	2XMEAN
	MW33	2210	J	NA	NA	1798	2XMEAN
	MW34	622	J	NA	NA	1798	2XMEAN
	MW35	308	=	NA	NA	1798	2XMEAN
	MW36	4660	J	NA	NA	1798	2XMEAN
	MW37	2150	J	NA	NA	1798	2XMEAN
	MW38	653	J	NA	NA	1798	2XMEAN
	MW39	977	J	NA	NA	1798	2XMEAN
	MW41	68.1	J	NA	NA	1798	2XMEAN
	MW45	1470	J	NA	NA	1798	2XMEAN
	MW46	129	J	NA	NA	1798	2XMEAN
	MW47	158	J	NA	NA	1798	2XMEAN
	MW48	426	J	NA	NA	1798	2XMEAN
	MW49	39.3	J	NA	NA	1798	2XMEAN
	MW50	176	J	NA	NA	1798	2XMEAN
	MW51	1760	J	NA	NA	1798	2XMEAN
	MW52	8.2	J	NA	NA	1798	2XMEAN
	MW53	30.4	J	NA	NA	1798	2XMEAN
	MW54	1750	J	NA	NA	1798	2XMEAN
	MW55	339	J	NA	NA	1798	2XMEAN
ANTIMONY	MW15	3.9	J	1.46	S	34.4	2XMEAN
	MW20	3.7	J	1.46	S	34.4	2XMEAN
ARSENIC	MW02	26.8	J	0.05	C	NA	NA
	MW03	33.4	J	0.05	C	NA	NA
	MW04	107	=	0.05	C	NA	NA
	MW07	24.3	J	0.05	C	NA	NA
	MW09	8.3	J	0.05	C	NA	NA
	MW13	9.4	J	0.05	C	NA	NA
	MW14	10.1	J	0.05	C	NA	NA

TABLE 3-2
DETECTED GROUNDWATER CONSTITUENTS
DEFENSE DISTRIBUTION DEPOT-MEMPHIS, TENNESSEE

258 31

Parameter	Well	Concentration (ug/L)	Q	PRG (ug/L)	PRG Basis	Background (ug/L)	Background Basis
	MW15	29	J	0.05	C	NA	NA
	MW19	4.3	J	0.05	C	NA	NA
	MW20	6.9	J	0.05	C	NA	NA
	MW23	3.4	J	0.05	C	NA	NA
	MW24	10.8	J	0.05	C	NA	NA
	MW25	4.3	J	0.05	C	NA	NA
	MW26	8.5	J	0.05	C	NA	NA
	MW28	2.8	J	0.05	C	NA	NA
	MW29	33.8	J	0.05	C	NA	NA
	MW31	3.8	J	0.05	C	NA	NA
	MW33	5.8	J	0.05	C	NA	NA
	MW39	4.5	J	0.05	C	NA	NA
	MW45	4.4	J	0.05	C	NA	NA
	MW46	2.8	J	0.05	C	NA	NA
	MW48	2.5	J	0.05	C	NA	NA
BARIUM	MW02	214	=	255.50	S	223.8	2XMEAN
	MW03	203	=	255.50	S	223.8	2XMEAN
	MW04	292	=	255.50	S	223.8	2XMEAN
	MW05	101	J	255.50	S	223.8	2XMEAN
	MW06	279	=	255.50	S	223.8	2XMEAN
	MW07	122	J	255.50	S	223.8	2XMEAN
	MW08	149	J	255.50	S	223.8	2XMEAN
	MW09	115	J	255.50	S	223.8	2XMEAN
	MW10	112	J	255.50	S	223.8	2XMEAN
	MW11	96	J	255.50	S	223.8	2XMEAN
	MW12	69.7	J	255.50	S	223.8	2XMEAN
	MW13	71.5	J	255.50	S	223.8	2XMEAN
	MW14	170	J	255.50	S	223.8	2XMEAN
	MW15	133	J	255.50	S	223.8	2XMEAN
	MW16	57.5	J	255.50	S	223.8	2XMEAN
	MW19	190	J	255.50	S	223.8	2XMEAN
	MW20	82	J	255.50	S	223.8	2XMEAN
	MW21	58	J	255.50	S	223.8	2XMEAN
	MW22	107	J	255.50	S	223.8	2XMEAN
	MW23	67.9	J	255.50	S	223.8	2XMEAN
	MW24	252	=	255.50	S	223.8	2XMEAN
	MW25	135	J	255.50	S	223.8	2XMEAN
	MW26	284	=	255.50	S	223.8	2XMEAN
	MW28	151	J	255.50	S	223.8	2XMEAN
	MW29	203	=	255.50	S	223.8	2XMEAN
	MW30	146	J	255.50	S	223.8	2XMEAN
	MW31	136	J	255.50	S	223.8	2XMEAN
	MW32	242	=	255.50	S	223.8	2XMEAN
	MW33	82.3	J	255.50	S	223.8	2XMEAN
	MW34	137	J	255.50	S	223.8	2XMEAN
	MW35	124	J	255.50	S	223.8	2XMEAN
	MW36	245	=	255.50	S	223.8	2XMEAN
	MW37	686	=	255.50	S	223.8	2XMEAN
	MW38	83.6	J	255.50	S	223.8	2XMEAN
	MW39	79	J	255.50	S	223.8	2XMEAN
	MW41	151	J	255.50	S	223.8	2XMEAN
	MW45	89.8	J	255.50	S	223.8	2XMEAN
	MW46	64.5	J	255.50	S	223.8	2XMEAN
	MW47	119	J	255.50	S	223.8	2XMEAN
	MW48	89.2	J	255.50	S	223.8	2XMEAN
	MW49	79.2	J	255.50	S	223.8	2XMEAN
	MW50	227	=	255.50	S	223.8	2XMEAN
	MW51	84.4	J	255.50	S	223.8	2XMEAN
	MW52	188	J	255.50	S	223.8	2XMEAN
	MW53	68.7	J	255.50	S	223.8	2XMEAN
	MW54	112	J	255.50	S	223.8	2XMEAN
	MW55	68.5	J	255.50	S	223.8	2XMEAN
BERYLLIUM	MW03	4.5	J	0.004	C	.5	2XMEAN
	MW04	14.9	=	0.004	C	.5	2XMEAN
	MW05	2	J	0.004	C	.5	2XMEAN
	MW07	3.5	J	0.004	C	.5	2XMEAN
	MW08	1.8	J	0.004	C	.5	2XMEAN
	MW09	0.63	J	0.004	C	.5	2XMEAN
	MW13	0.82	J	0.004	C	.5	2XMEAN
	MW14	0.54	J	0.004	C	.5	2XMEAN
	MW15	1.9	J	0.004	C	.5	2XMEAN
	MW24	11.4	=	0.004	C	.5	2XMEAN
	MW26	1.2	J	0.004	C	.5	2XMEAN
	MW29	2.3	J	0.004	C	.5	2XMEAN
CADMIUM	MW04	4.9	J	1.83	S	NA	NA
	MW09	15.2	=	1.83	S	NA	NA
	MW11	11.9	=	1.83	S	NA	NA
	MW13	5.4	=	1.83	S	NA	NA
	MW14	5.6	=	1.83	S	NA	NA
	MW16	3.2	J	1.83	S	NA	NA
	MW20	11.9	=	1.83	S	NA	NA

TABLE 3-2
DETECTED GROUNDWATER CONSTITUENTS
DEFENSE DISTRIBUTION DEPOT-MEMPHIS, TENNESSEE

Parameter	Well	Concentration (ug/L)	Q	PRG (ug/L)	PRG Basis	Background (ug/L)	Background Basis
	MW22	6.9	=	1.83	S	NA	NA
	MW28	11.6	=	1.83	S	NA	NA
	MW29	3.7	J	1.83	S	NA	NA
	MW32	2.8	J	1.83	S	NA	NA
	MW36	9.6	=	1.83	S	NA	NA
	MW38	60.5	=	1.83	S	NA	NA
	MW41	2.4	J	1.83	S	NA	NA
CALCIUM	MW02	63000	=	NA	NA	52875	2XMEAN
	MW03	24700	=	NA	NA	52875	2XMEAN
	MW04	16700	=	NA	NA	52875	2XMEAN
	MW05	15700	=	NA	NA	52875	2XMEAN
	MW06	132000	=	NA	NA	52875	2XMEAN
	MW07	22000	=	NA	NA	52875	2XMEAN
	MW08	17400	=	NA	NA	52875	2XMEAN
	MW09	36100	=	NA	NA	52875	2XMEAN
	MW10	25300	=	NA	NA	52875	2XMEAN
	MW11	14600	=	NA	NA	52875	2XMEAN
	MW12	13300	=	NA	NA	52875	2XMEAN
	MW13	12300	=	NA	NA	52875	2XMEAN
	MW14	16700	=	NA	NA	52875	2XMEAN
	MW15	14200	=	NA	NA	52875	2XMEAN
	MW16	43500	=	NA	NA	52875	2XMEAN
	MW19	12600	=	NA	NA	52875	2XMEAN
	MW20	20100	=	NA	NA	52875	2XMEAN
	MW21	15200	=	NA	NA	52875	2XMEAN
	MW22	25800	=	NA	NA	52875	2XMEAN
	MW23	28200	=	NA	NA	52875	2XMEAN
	MW24	13800	=	NA	NA	52875	2XMEAN
	MW25	17900	=	NA	NA	52875	2XMEAN
	MW26	21700	=	NA	NA	52875	2XMEAN
	MW28	19000	=	NA	NA	52875	2XMEAN
	MW29	29100	=	NA	NA	52875	2XMEAN
	MW30	28200	=	NA	NA	52875	2XMEAN
	MW31	23600	=	NA	NA	52875	2XMEAN
	MW32	68300	=	NA	NA	52875	2XMEAN
	MW33	8030	=	NA	NA	52875	2XMEAN
	MW34	13500	=	NA	NA	52875	2XMEAN
	MW35	15100	=	NA	NA	52875	2XMEAN
	MW36	32400	=	NA	NA	52875	2XMEAN
	MW37	40600	=	NA	NA	52875	2XMEAN
	MW38	28100	=	NA	NA	52875	2XMEAN
	MW39	30100	=	NA	NA	52875	2XMEAN
	MW41	29200	=	NA	NA	52875	2XMEAN
	MW45	29500	=	NA	NA	52875	2XMEAN
	MW46	16500	=	NA	NA	52875	2XMEAN
	MW47	26900	=	NA	NA	52875	2XMEAN
	MW48	15600	=	NA	NA	52875	2XMEAN
	MW49	13800	=	NA	NA	52875	2XMEAN
	MW50	45900	=	NA	NA	52875	2XMEAN
	MW51	22300	=	NA	NA	52875	2XMEAN
	MW52	48400	=	NA	NA	52875	2XMEAN
	MW53	31300	=	NA	NA	52875	2XMEAN
	MW54	14200	=	NA	NA	52875	2XMEAN
	MW55	12000	=	NA	NA	52875	2XMEAN
CARBON TETRACHLORIDE	MW03	2	J	NA	NA	NA	NA
	MW06	45	=	NA	NA	NA	NA
	MW09	8	J	NA	NA	NA	NA
	MW10	8	J	NA	NA	NA	NA
	MW14	1	J	NA	NA	NA	NA
	MW15	31	=	NA	NA	NA	NA
	MW26	4	J	NA	NA	NA	NA
	MW31	1	J	NA	NA	NA	NA
	MW32	25	=	NA	NA	NA	NA
	MW44	6	J	NA	NA	NA	NA
CHLOROBENZENE	MW40	1	J	38.50	S	NA	NA
CHLOROFORM	MW03	17	=	0.19	C	NA	NA
	MW04	1	J	0.19	C	NA	NA
	MW05	5	J	0.19	C	NA	NA
	MW06	16	J	0.19	C	NA	NA
	MW07	8	J	0.19	C	NA	NA
	MW08	5	J	0.19	C	NA	NA
	MW10	60	=	0.19	C	NA	NA
	MW11	2	J	0.19	C	NA	NA
	MW15	300	=	0.19	C	NA	NA
	MW26	1	J	0.19	C	NA	NA
	MW31	10	=	0.19	C	NA	NA
	MW32	8	J	0.19	C	NA	NA
	MW34	2	J	0.19	C	NA	NA
	MW44	6	J	0.19	C	NA	NA
CHROMIUM, TOTAL	MW02	70.3	=	NA	NA	54.4	2XMEAN
	MW03	74.6	=	NA	NA	54.4	2XMEAN

TABLE 3-2
DETECTED GROUNDWATER CONSTITUENTS
DEFENSE DISTRIBUTION DEPOT-MEMPHIS, TENNESSEE

258 33

Parameter	Well	Concentration (ug/L)	Q	PRG (ug/L)	PRG Basis	Background (ug/L)	Background Basis
	MW04	219	=	NA	NA	54.4	2XMEAN
	MW05	35.1	=	NA	NA	54.4	2XMEAN
	MW07	48.8	=	NA	NA	54.4	2XMEAN
	MW08	47.4	=	NA	NA	54.4	2XMEAN
	MW09	24.4	=	NA	NA	54.4	2XMEAN
	MW12	18.9	=	NA	NA	54.4	2XMEAN
	MW13	15.1	=	NA	NA	54.4	2XMEAN
	MW14	18.2	=	NA	NA	54.4	2XMEAN
	MW15	43.5	=	NA	NA	54.4	2XMEAN
	MW19	8.7	J	NA	NA	54.4	2XMEAN
	MW20	8.2	J	NA	NA	54.4	2XMEAN
	MW22	10.8	=	NA	NA	54.4	2XMEAN
	MW24	87.8	=	NA	NA	54.4	2XMEAN
	MW25	8.7	J	NA	NA	54.4	2XMEAN
	MW26	13.6	=	NA	NA	54.4	2XMEAN
	MW29	74.5	=	NA	NA	54.4	2XMEAN
	MW32	18.6	=	NA	NA	54.4	2XMEAN
	MW36	50.5	=	NA	NA	54.4	2XMEAN
	MW38	11.2	=	NA	NA	54.4	2XMEAN
	MW39	12.7	=	NA	NA	54.4	2XMEAN
	MW45	11.7	=	NA	NA	54.4	2XMEAN
	MW54	18.5	=	NA	NA	54.4	2XMEAN
COBALT	MW02	18.7	J	NA	NA	24.8	2XMEAN
	MW03	42	J	NA	NA	24.8	2XMEAN
	MW04	139	=	NA	NA	24.8	2XMEAN
	MW05	15.2	J	NA	NA	24.8	2XMEAN
	MW07	53.3	=	NA	NA	24.8	2XMEAN
	MW08	23.9	J	NA	NA	24.8	2XMEAN
	MW09	11	J	NA	NA	24.8	2XMEAN
	MW11	9	J	NA	NA	24.8	2XMEAN
	MW12	11.8	J	NA	NA	24.8	2XMEAN
	MW13	13.2	J	NA	NA	24.8	2XMEAN
	MW14	17.8	J	NA	NA	24.8	2XMEAN
	MW15	31	J	NA	NA	24.8	2XMEAN
	MW20	2.8	J	NA	NA	24.8	2XMEAN
	MW24	109	=	NA	NA	24.8	2XMEAN
	MW25	13	J	NA	NA	24.8	2XMEAN
	MW26	14.7	J	NA	NA	24.8	2XMEAN
	MW28	35.8	J	NA	NA	24.8	2XMEAN
	MW29	16	J	NA	NA	24.8	2XMEAN
	MW32	13	J	NA	NA	24.8	2XMEAN
	MW38	8.3	J	NA	NA	24.8	2XMEAN
	MW39	7.8	J	NA	NA	24.8	2XMEAN
COPPER	MW02	23.4	J	135.05	S	162.6	2XMEAN
	MW03	47.7	=	135.05	S	162.6	2XMEAN
	MW04	135	=	135.05	S	162.6	2XMEAN
	MW05	19.2	J	135.05	S	162.6	2XMEAN
	MW07	42.5	=	135.05	S	162.6	2XMEAN
	MW08	55.5	=	135.05	S	162.6	2XMEAN
	MW09	30.8	=	135.05	S	162.6	2XMEAN
	MW11	20.2	J	135.05	S	162.6	2XMEAN
	MW13	34.0	=	135.05	S	162.6	2XMEAN
	MW14	10.1	J	135.05	S	162.6	2XMEAN
	MW15	47	=	135.05	S	162.6	2XMEAN
	MW19	25.4	=	135.05	S	162.6	2XMEAN
	MW20	18.3	J	135.05	S	162.6	2XMEAN
	MW22	47.4	=	135.05	S	162.6	2XMEAN
	MW24	72.3	=	135.05	S	162.6	2XMEAN
	MW25	19.4	J	135.05	S	162.6	2XMEAN
	MW26	38.7	=	135.05	S	162.6	2XMEAN
	MW28	15.9	J	135.05	S	162.6	2XMEAN
	MW29	97	=	135.05	S	162.6	2XMEAN
	MW33	22.4	J	135.05	S	162.6	2XMEAN
	MW36	44.1	=	135.05	S	162.6	2XMEAN
	MW39	28.4	=	135.05	S	162.6	2XMEAN
	MW41	10.4	J	135.05	S	162.6	2XMEAN
	MW42	31.7	=	135.05	S	162.6	2XMEAN
	MW46	12.2	J	135.05	S	162.6	2XMEAN
	MW54	27.2	=	135.05	S	162.6	2XMEAN
IRON	MW02	34100	=	NA	NA	6728	2XMEAN
	MW03	135000	=	NA	NA	6728	2XMEAN
	MW04	432000	=	NA	NA	6728	2XMEAN
	MW05	53300	=	NA	NA	6728	2XMEAN
	MW06	1640	=	NA	NA	6728	2XMEAN
	MW07	87500	=	NA	NA	6728	2XMEAN
	MW08	67100	=	NA	NA	6728	2XMEAN
	MW09	25200	=	NA	NA	6728	2XMEAN
	MW10	2190	=	NA	NA	6728	2XMEAN
	MW11	9810	=	NA	NA	6728	2XMEAN
	MW12	14400	=	NA	NA	6728	2XMEAN
	MW13	25200	=	NA	NA	6728	2XMEAN

TABLE 3-2
DETECTED GROUNDWATER CONSTITUENTS
DEFENSE DISTRIBUTION DEPOT-MEMPHIS, TENNESSEE

258 34

Parameter	Well	Concentration (ug/L)	Q	PRG (ug/L)	PRG Basis	Background (ug/L)	Background Basis
	MW14	23800	=	NA	NA	6728	2XMEAN
	MW15	70600	=	NA	NA	6728	2XMEAN
	MW18	117	=	NA	NA	6728	2XMEAN
	MW19	4790	=	NA	NA	6728	2XMEAN
	MW20	8670	=	NA	NA	6728	2XMEAN
	MW21	348	=	NA	NA	6728	2XMEAN
	MW22	14600	=	NA	NA	6728	2XMEAN
	MW23	202	=	NA	NA	6728	2XMEAN
	MW24	313000	=	NA	NA	6728	2XMEAN
	MW25	22500	=	NA	NA	6728	2XMEAN
	MW26	47100	=	NA	NA	6728	2XMEAN
	MW28	3200	=	NA	NA	6728	2XMEAN
	MW29	100000	=	NA	NA	6728	2XMEAN
	MW30	284	=	NA	NA	6728	2XMEAN
	MW31	12400	=	NA	NA	6728	2XMEAN
	MW32	26400	=	NA	NA	6728	2XMEAN
	MW33	9620	=	NA	NA	6728	2XMEAN
	MW34	3680	=	NA	NA	6728	2XMEAN
	MW35	1640	=	NA	NA	6728	2XMEAN
	MW36	6270	=	NA	NA	6728	2XMEAN
	MW37	6810	=	NA	NA	6728	2XMEAN
	MW38	1750	=	NA	NA	6728	2XMEAN
	MW39	2210	=	NA	NA	6728	2XMEAN
	MW41	871	=	NA	NA	6728	2XMEAN
	MW45	9740	=	NA	NA	6728	2XMEAN
	MW46	1590	=	NA	NA	6728	2XMEAN
	MW47	585	=	NA	NA	6728	2XMEAN
	MW48	1830	=	NA	NA	6728	2XMEAN
	MW49	182	=	NA	NA	6728	2XMEAN
	MW50	322	=	NA	NA	6728	2XMEAN
	MW51	1360	=	NA	NA	6728	2XMEAN
	MW53	416	=	NA	NA	6728	2XMEAN
	MW54	12700	=	NA	NA	6728	2XMEAN
	MW55	734	=	NA	NA	6728	2XMEAN
LEAD	MW02	26.6	J	15.00	MCL	9.4	2XMEAN
	MW03	42.2	J	15.00	MCL	9.4	2XMEAN
	MW04	124	=	15.00	MCL	9.4	2XMEAN
	MW05	18.1	J	15.00	MCL	9.4	2XMEAN
	MW06	3.2	J	15.00	MCL	9.4	2XMEAN
	MW07	22.7	J	15.00	MCL	9.4	2XMEAN
	MW08	21.7	J	15.00	MCL	9.4	2XMEAN
	MW09	24.7	J	15.00	MCL	9.4	2XMEAN
	MW10	3.6	J	15.00	MCL	9.4	2XMEAN
	MW11	6.3	J	15.00	MCL	9.4	2XMEAN
	MW12	5.7	J	15.00	MCL	9.4	2XMEAN
	MW13	12.6	J	15.00	MCL	9.4	2XMEAN
	MW14	13.1	=	15.00	MCL	9.4	2XMEAN
	MW15	23	J	15.00	MCL	9.4	2XMEAN
	MW19	5.4	=	15.00	MCL	9.4	2XMEAN
	MW20	7.1	=	15.00	MCL	9.4	2XMEAN
	MW21	2.5	J	15.00	MCL	9.4	2XMEAN
	MW23	1.6	J	15.00	MCL	9.4	2XMEAN
	MW24	34.6	J	15.00	MCL	9.4	2XMEAN
	MW26	10.2	J	15.00	MCL	9.4	2XMEAN
	MW28	3.3	=	15.00	MCL	9.4	2XMEAN
	MW29	26.8	J	15.00	MCL	9.4	2XMEAN
	MW30	1	J	15.00	MCL	9.4	2XMEAN
	MW31	2	J	15.00	MCL	9.4	2XMEAN
	MW32	13.8	J	15.00	MCL	9.4	2XMEAN
	MW33	7.4	=	15.00	MCL	9.4	2XMEAN
	MW36	13.6	J	15.00	MCL	9.4	2XMEAN
	MW37	5	=	15.00	MCL	9.4	2XMEAN
	MW39	46.7	J	15.00	MCL	9.4	2XMEAN
	MW41	1.3	J	15.00	MCL	9.4	2XMEAN
	MW42	6.4	J	15.00	MCL	9.4	2XMEAN
	MW45	1.2	J	15.00	MCL	9.4	2XMEAN
	MW46	1.2	J	15.00	MCL	9.4	2XMEAN
	MW48	1.4	J	15.00	MCL	9.4	2XMEAN
	MW49	4.1	=	15.00	MCL	9.4	2XMEAN
	MW54	2.3	J	15.00	MCL	9.4	2XMEAN
	MW55	5.1	=	15.00	MCL	9.4	2XMEAN
MAGNESIUM	MW02	29500	=	NA	NA	26045	2XMEAN
	MW03	12500	=	NA	NA	26045	2XMEAN
	MW04	10100	=	NA	NA	26045	2XMEAN
	MW05	7900	=	NA	NA	26045	2XMEAN
	MW06	25800	=	NA	NA	26045	2XMEAN
	MW07	10700	=	NA	NA	26045	2XMEAN
	MW08	7910	=	NA	NA	26045	2XMEAN
	MW09	19000	=	NA	NA	26045	2XMEAN
	MW10	12500	=	NA	NA	26045	2XMEAN
	MW11	7040	=	NA	NA	26045	2XMEAN

TABLE 3-2
DETECTED GROUNDWATER CONSTITUENTS
DEFENSE DISTRIBUTION DEPOT-MEMPHIS, TENNESSEE

Parameter	Well	Concentration (ug/L)	Q	PRG (ug/L)	PRG Basis	Background (ug/L)	Background Basis
	MW12	6820	=	NA	NA	26045	2XMEAN
	MW13	6240	=	NA	NA	26045	2XMEAN
	MW14	8890	=	NA	NA	26045	2XMEAN
	MW15	6740	=	NA	NA	26045	2XMEAN
	MW16	18500	=	NA	NA	26045	2XMEAN
	MW18	5580	=	NA	NA	26045	2XMEAN
	MW20	7340	=	NA	NA	26045	2XMEAN
	MW21	7970	=	NA	NA	26045	2XMEAN
	MW22	13300	=	NA	NA	26045	2XMEAN
	MW23	11200	=	NA	NA	26045	2XMEAN
	MW24	7190	=	NA	NA	26045	2XMEAN
	MW25	9580	=	NA	NA	26045	2XMEAN
	MW26	10500	=	NA	NA	26045	2XMEAN
	MW28	6900	=	NA	NA	26045	2XMEAN
	MW29	13800	=	NA	NA	26045	2XMEAN
	MW30	14500	=	NA	NA	26045	2XMEAN
	MW31	11600	=	NA	NA	26045	2XMEAN
	MW32	15400	=	NA	NA	26045	2XMEAN
	MW33	4380	J	NA	NA	26045	2XMEAN
	MW34	6060	=	NA	NA	26045	2XMEAN
	MW35	7250	=	NA	NA	26045	2XMEAN
	MW36	4280	J	NA	NA	26045	2XMEAN
	MW37	14200	=	NA	NA	26045	2XMEAN
	MW38	4960	J	NA	NA	26045	2XMEAN
	MW39	8080	=	NA	NA	26045	2XMEAN
	MW41	9560	=	NA	NA	26045	2XMEAN
	MW45	15200	=	NA	NA	26045	2XMEAN
	MW46	8230	=	NA	NA	26045	2XMEAN
	MW47	13400	=	NA	NA	26045	2XMEAN
	MW48	8130	=	NA	NA	26045	2XMEAN
	MW49	6680	=	NA	NA	26045	2XMEAN
	MW50	20100	=	NA	NA	26045	2XMEAN
	MW51	10500	=	NA	NA	26045	2XMEAN
	MW52	23200	=	NA	NA	26045	2XMEAN
	MW53	16400	=	NA	NA	26045	2XMEAN
	MW54	7110	=	NA	NA	26045	2XMEAN
	MW55	4210	J	NA	NA	26045	2XMEAN
MANGANESE	MW02	2380	J	18.25	S	560	2XMEAN
	MW03	406	J	18.25	S	560	2XMEAN
	MW04	1290	=	18.25	S	560	2XMEAN
	MW05	202	J	18.25	S	560	2XMEAN
	MW06	3160	J	18.25	S	560	2XMEAN
	MW07	407	J	18.25	S	560	2XMEAN
	MW08	491	J	18.25	S	560	2XMEAN
	MW09	341	=	18.25	S	560	2XMEAN
	MW10	22.2	J	18.25	S	560	2XMEAN
	MW11	218	J	18.25	S	560	2XMEAN
	MW12	159	J	18.25	S	560	2XMEAN
	MW13	177	=	18.25	S	560	2XMEAN
	MW14	419	=	18.25	S	560	2XMEAN
	MW15	415	=	18.25	S	560	2XMEAN
	MW16	40.9	=	18.25	S	560	2XMEAN
	MW18	78.1	=	18.25	S	560	2XMEAN
	MW20	96.5	=	18.25	S	560	2XMEAN
	MW21	4.2	J	18.25	S	560	2XMEAN
	MW22	48.1	=	18.25	S	560	2XMEAN
	MW23	5.8	J	18.25	S	560	2XMEAN
	MW24	1270	=	18.25	S	560	2XMEAN
	MW25	648	=	18.25	S	560	2XMEAN
	MW26	568	=	18.25	S	560	2XMEAN
	MW28	580	=	18.25	S	560	2XMEAN
	MW29	325	=	18.25	S	560	2XMEAN
	MW30	7.7	J	18.25	S	560	2XMEAN
	MW31	65.2	=	18.25	S	560	2XMEAN
	MW32	2240	J	18.25	S	560	2XMEAN
	MW33	61.8	=	18.25	S	560	2XMEAN
	MW34	19.4	=	18.25	S	560	2XMEAN
	MW35	18.2	J	18.25	S	560	2XMEAN
	MW36	147	=	18.25	S	560	2XMEAN
	MW37	217	=	18.25	S	560	2XMEAN
	MW38	158	=	18.25	S	560	2XMEAN
	MW39	169	=	18.25	S	560	2XMEAN
	MW41	132	=	18.25	S	560	2XMEAN
	MW45	23	=	18.25	S	560	2XMEAN
	MW46	8.6	J	18.25	S	560	2XMEAN
	MW47	11.6	J	18.25	S	560	2XMEAN
	MW48	8	J	18.25	S	560	2XMEAN
	MW50	30.8	=	18.25	S	560	2XMEAN
	MW52	4.9	J	18.25	S	560	2XMEAN
	MW53	17.4	=	18.25	S	560	2XMEAN
	MW54	28.6	=	18.25	S	560	2XMEAN

TABLE 3-2
DETECTED GROUNDWATER CONSTITUENTS
DEFENSE DISTRIBUTION DEPOT-MEMPHIS, TENNESSEE

Parameter	Well	Concentration (ug/L)	Q	PRG (ug/L)	PRG Basis	Background (ug/L)	Background Basis
	MW55	27.4	=	18.25	S	560	2XMEAN
MERCURY	MW02	0.2	=	1.10	S	NA	NA
	MW03	0.2	J	1.10	S	NA	NA
	MW04	0.63	=	1.10	S	NA	NA
	MW05	0.35	=	1.10	S	NA	NA
	MW06	0.36	=	1.10	S	NA	NA
	MW07	0.14	J	1.10	S	NA	NA
	MW08	0.18	J	1.10	S	NA	NA
	MW09	0.08	J	1.10	S	NA	NA
	MW10	0.08	J	1.10	S	NA	NA
	MW11	0.08	J	1.10	S	NA	NA
	MW12	0.07	J	1.10	S	NA	NA
	MW13	0.11	J	1.10	S	NA	NA
	MW15	0.17	J	1.10	S	NA	NA
	MW24	0.63	=	1.10	S	NA	NA
	MW26	0.13	J	1.10	S	NA	NA
	MW28	0.11	J	1.10	S	NA	NA
	MW29	0.16	J	1.10	S	NA	NA
	MW30	0.06	J	1.10	S	NA	NA
	MW31	0.07	J	1.10	S	NA	NA
	MW32	0.65	=	1.10	S	NA	NA
	MW42	0.06	J	1.10	S	NA	NA
	MW45	0.11	J	1.10	S	NA	NA
NICKEL	MW02	49.8	=	13.40	S	31.4	2XMEAN
	MW03	45.7	=	13.40	S	31.4	2XMEAN
	MW04	95.6	=	13.40	S	31.4	2XMEAN
	MW07	28.9	J	13.40	S	31.4	2XMEAN
	MW08	24.3	J	13.40	S	31.4	2XMEAN
	MW14	7.6	J	13.40	S	31.4	2XMEAN
	MW15	20.1	J	13.40	S	31.4	2XMEAN
	MW19	5.7	J	13.40	S	31.4	2XMEAN
	MW20	7.8	J	13.40	S	31.4	2XMEAN
	MW22	8.2	J	13.40	S	31.4	2XMEAN
	MW24	32.2	J	13.40	S	31.4	2XMEAN
	MW25	7.2	J	13.40	S	31.4	2XMEAN
	MW28	8.2	J	13.40	S	31.4	2XMEAN
	MW29	32.6	J	13.40	S	31.4	2XMEAN
	MW30	7.8	J	13.40	S	31.4	2XMEAN
	MW33	10	J	13.40	S	31.4	2XMEAN
	MW36	40	=	13.40	S	31.4	2XMEAN
	MW37	8	J	13.40	S	31.4	2XMEAN
	MW38	11.2	J	13.40	S	31.4	2XMEAN
	MW41	5.7	J	13.40	S	31.4	2XMEAN
	MW46	4.9	J	13.40	S	31.4	2XMEAN
POTASSIUM	MW02	5590	=	NA	NA	3495.4	2XMEAN
	MW03	7080	=	NA	NA	3495.4	2XMEAN
	MW04	22500	=	NA	NA	3495.4	2XMEAN
	MW05	4580	J	NA	NA	3495.4	2XMEAN
	MW06	5200	=	NA	NA	3495.4	2XMEAN
	MW07	4980	J	NA	NA	3495.4	2XMEAN
	MW08	5780	=	NA	NA	3495.4	2XMEAN
	MW09	3780	J	NA	NA	3495.4	2XMEAN
	MW10	2750	J	NA	NA	3495.4	2XMEAN
	MW11	3120	J	NA	NA	3495.4	2XMEAN
	MW12	1410	J	NA	NA	3495.4	2XMEAN
	MW14	2490	J	NA	NA	3495.4	2XMEAN
	MW15	4160	J	NA	NA	3495.4	2XMEAN
	MW19	1290	J	NA	NA	3495.4	2XMEAN
	MW20	4380	J	NA	NA	3495.4	2XMEAN
	MW22	5410	=	NA	NA	3495.4	2XMEAN
	MW23	1960	J	NA	NA	3495.4	2XMEAN
	MW24	10000	=	NA	NA	3495.4	2XMEAN
	MW26	3520	J	NA	NA	3495.4	2XMEAN
	MW28	1710	J	NA	NA	3495.4	2XMEAN
	MW29	5320	=	NA	NA	3495.4	2XMEAN
	MW30	1510	J	NA	NA	3495.4	2XMEAN
	MW31	1850	J	NA	NA	3495.4	2XMEAN
	MW32	5930	=	NA	NA	3495.4	2XMEAN
	MW33	1290	J	NA	NA	3495.4	2XMEAN
	MW35	1580	J	NA	NA	3495.4	2XMEAN
	MW36	6270	=	NA	NA	3495.4	2XMEAN
	MW37	8760	=	NA	NA	3495.4	2XMEAN
	MW39	2300	J	NA	NA	3495.4	2XMEAN
	MW41	3450	J	NA	NA	3495.4	2XMEAN
	MW45	1360	J	NA	NA	3495.4	2XMEAN
	MW46	381	J	NA	NA	3495.4	2XMEAN
	MW47	2120	J	NA	NA	3495.4	2XMEAN
	MW48	1290	J	NA	NA	3495.4	2XMEAN
	MW49	527	J	NA	NA	3495.4	2XMEAN
	MW51	1440	J	NA	NA	3495.4	2XMEAN
	MW52	4360	J	NA	NA	3495.4	2XMEAN

TABLE 3-2
DETECTED GROUNDWATER CONSTITUENTS
DEFENSE DISTRIBUTION DEPOT-MEMPHIS, TENNESSEE

Parameter	Well	Concentration (ug/L)	Q	PRG (ug/L)	PRG Basis	Background (ug/L)	Background Basis
	MW53	2230	J	NA	NA	3485.4	2XMEAN
	MW55	1280	J	NA	NA	3485.4	2XMEAN
SODIUM	MW02	14300	=	NA	NA	106650	2XMEAN
	MW03	17500	=	NA	NA	106650	2XMEAN
	MW04	14600	J	NA	NA	106650	2XMEAN
	MW05	29700	=	NA	NA	106650	2XMEAN
	MW06	28100	=	NA	NA	106650	2XMEAN
	MW07	20200	=	NA	NA	106650	2XMEAN
	MW08	26900	=	NA	NA	106650	2XMEAN
	MW09	16000	J	NA	NA	106650	2XMEAN
	MW10	26000	=	NA	NA	106650	2XMEAN
	MW11	16800	=	NA	NA	106650	2XMEAN
	MW12	16900	=	NA	NA	106650	2XMEAN
	MW13	18100	J	NA	NA	106650	2XMEAN
	MW14	10700	J	NA	NA	106650	2XMEAN
	MW15	12500	J	NA	NA	106650	2XMEAN
	MW16	46000	J	NA	NA	106650	2XMEAN
	MW19	10800	J	NA	NA	106650	2XMEAN
	MW20	14000	J	NA	NA	106650	2XMEAN
	MW21	15600	J	NA	NA	106650	2XMEAN
	MW22	40300	J	NA	NA	106650	2XMEAN
	MW23	14500	J	NA	NA	106650	2XMEAN
	MW24	19100	J	NA	NA	106650	2XMEAN
	MW25	13400	J	NA	NA	106650	2XMEAN
	MW26	30300	J	NA	NA	106650	2XMEAN
	MW28	13700	J	NA	NA	106650	2XMEAN
	MW29	29500	J	NA	NA	106650	2XMEAN
	MW30	23900	=	NA	NA	106650	2XMEAN
	MW31	23300	J	NA	NA	106650	2XMEAN
	MW32	20600	=	NA	NA	106650	2XMEAN
	MW33	17500	J	NA	NA	106650	2XMEAN
	MW34	9660	J	NA	NA	106650	2XMEAN
	MW35	15500	=	NA	NA	106650	2XMEAN
	MW36	2210	J	NA	NA	106650	2XMEAN
	MW37	7010	J	NA	NA	106650	2XMEAN
	MW38	10600	J	NA	NA	106650	2XMEAN
	MW39	24200	J	NA	NA	106650	2XMEAN
	MW41	19500	J	NA	NA	106650	2XMEAN
	MW45	15800	J	NA	NA	106650	2XMEAN
	MW46	25500	=	NA	NA	106650	2XMEAN
	MW47	24300	=	NA	NA	106650	2XMEAN
	MW48	20300	J	NA	NA	106650	2XMEAN
	MW49	11900	J	NA	NA	106650	2XMEAN
	MW50	56600	J	NA	NA	106650	2XMEAN
	MW51	17000	J	NA	NA	106650	2XMEAN
	MW52	65600	J	NA	NA	106650	2XMEAN
	MW53	32500	J	NA	NA	106650	2XMEAN
	MW54	16300	J	NA	NA	106650	2XMEAN
	MW55	14000	J	NA	NA	106650	2XMEAN
TETRACHLOROETHYLENE(PCE)	MW03	33	=	0.83	C	1	MAX_DET
	MW04	74	=	0.83	C	1	MAX_DET
	MW05	48	=	0.83	C	1	MAX_DET
	MW06	4	J	0.83	C	1	MAX_DET
	MW07	32	=	0.83	C	1	MAX_DET
	MW08	16	=	0.83	C	1	MAX_DET
	MW09	7	J	0.83	C	1	MAX_DET
	MW10	110	=	0.83	C	1	MAX_DET
	MW11	10	=	0.83	C	1	MAX_DET
	MW12	74	J	0.83	C	1	MAX_DET
	MW13	7	J	0.83	C	1	MAX_DET
	MW15	7	J	0.83	C	1	MAX_DET
	MW21	83	=	0.83	C	1	MAX_DET
	MW25	4	J	0.83	C	1	MAX_DET
	MW26	12	=	0.83	C	1	MAX_DET
	MW29	38	=	0.83	C	1	MAX_DET
	MW31	57	=	0.83	C	1	MAX_DET
	MW32	2	J	0.83	C	1	MAX_DET
	MW35	2	J	0.83	C	1	MAX_DET
	MW39	6	J	0.83	C	1	MAX_DET
	MW47	2	J	0.83	C	1	MAX_DET
	MW51	1	J	0.83	C	1	MAX_DET
	MW52	4	J	0.83	C	1	MAX_DET
TOTAL 1,2-DICHLOROETHENE	MW03	12	=	16.43	S	NA	NA
	MW05	2	J	16.43	S	NA	NA
	MW08	410	=	16.43	S	NA	NA
	MW10	280	=	16.43	S	NA	NA
	MW11	34	=	16.43	S	NA	NA
	MW12	350	J	16.43	S	NA	NA
	MW15	8	J	16.43	S	NA	NA
	MW31	38	=	16.43	S	NA	NA
	MW32	120	=	16.43	S	NA	NA

TABLE 3-2
DETECTED GROUNDWATER CONSTITUENTS
DEFENSE DISTRIBUTION DEPOT-MEMPHIS, TENNESSEE

Parameter	Well	Concentration (ug/L)	Q	PRG (ug/L)	PRG Basis	Background (ug/L)	Background Basis
	MW35	11	=	18.43	S	NA	NA
	MW44	2	J	18.43	S	NA	NA
	MW52	1	J	18.43	S	NA	NA
	MW54	4	J	18.43	S	NA	NA
Total Xylenes	MW12	54	J	2200.00	S	NA	NA
TRICHLOROETHYLENE (TCE)	MW03	33	=	3.87	C	1	MAX_DET
	MW04	2	J	3.87	C	1	MAX_DET
	MW05	9	J	3.87	C	1	MAX_DET
	MW06	260	=	3.87	C	1	MAX_DET
	MW07	16	=	3.87	C	1	MAX_DET
	MW08	9	J	3.87	C	1	MAX_DET
	MW09	6	J	3.87	C	1	MAX_DET
	MW10	450	=	3.87	C	1	MAX_DET
	MW11	38	=	3.87	C	1	MAX_DET
	MW12	5900	=	3.87	C	1	MAX_DET
	MW15	99	=	3.87	C	1	MAX_DET
	MW21	14	=	3.87	C	1	MAX_DET
	MW22	2	J	3.87	C	1	MAX_DET
	MW26	2	J	3.87	C	1	MAX_DET
	MW29	18	=	3.87	C	1	MAX_DET
	MW31	78	=	3.87	C	1	MAX_DET
	MW32	83	=	3.87	C	1	MAX_DET
	MW35	180	=	3.87	C	1	MAX_DET
	MW39	8	J	3.87	C	1	MAX_DET
	MW44	4	J	3.87	C	1	MAX_DET
	MW51	5	J	3.87	C	1	MAX_DET
	MW54	58	=	3.87	C	1	MAX_DET
VANADIUM	MW02	39	J	25.55	S	6	2XMEAN
	MW03	126	=	25.55	S	6	2XMEAN
	MW04	298	=	25.55	S	6	2XMEAN
	MW05	49.6	J	25.55	S	6	2XMEAN
	MW06	1.4	J	25.55	S	6	2XMEAN
	MW07	99.7	=	25.55	S	6	2XMEAN
	MW08	68.3	=	25.55	S	6	2XMEAN
	MW09	32.2	J	25.55	S	6	2XMEAN
	MW10	2.3	J	25.55	S	6	2XMEAN
	MW11	10.3	J	25.55	S	6	2XMEAN
	MW12	10.3	J	25.55	S	6	2XMEAN
	MW13	25.3	J	25.55	S	6	2XMEAN
	MW14	26.1	J	25.55	S	6	2XMEAN
	MW15	84.3	=	25.55	S	6	2XMEAN
	MW16	0.44	J	25.55	S	6	2XMEAN
	MW18	5	J	25.55	S	6	2XMEAN
	MW20	15.6	J	25.55	S	6	2XMEAN
	MW21	0.89	J	25.55	S	6	2XMEAN
	MW22	10.2	J	25.55	S	6	2XMEAN
	MW23	0.7	J	25.55	S	6	2XMEAN
	MW24	148	=	25.55	S	6	2XMEAN
	MW25	30.9	J	25.55	S	6	2XMEAN
	MW26	66.1	=	25.55	S	6	2XMEAN
	MW28	7.4	J	25.55	S	6	2XMEAN
	MW29	119	=	25.55	S	6	2XMEAN
	MW30	1	J	25.55	S	6	2XMEAN
	MW31	9.3	J	25.55	S	6	2XMEAN
	MW32	36	J	25.55	S	6	2XMEAN
	MW33	11.4	J	25.55	S	6	2XMEAN
	MW34	5.3	J	25.55	S	6	2XMEAN
	MW35	1.4	J	25.55	S	6	2XMEAN
	MW36	8.6	J	25.55	S	6	2XMEAN
	MW37	4.4	J	25.55	S	6	2XMEAN
	MW38	2.4	J	25.55	S	6	2XMEAN
	MW39	2.4	J	25.55	S	6	2XMEAN
	MW41	1	J	25.55	S	6	2XMEAN
	MW45	9.3	J	25.55	S	6	2XMEAN
	MW46	1.2	J	25.55	S	6	2XMEAN
	MW47	0.76	J	25.55	S	6	2XMEAN
	MW48	1.8	J	25.55	S	6	2XMEAN
	MW49	0.65	J	25.55	S	6	2XMEAN
	MW50	0.74	J	25.55	S	6	2XMEAN
	MW51	2.8	J	25.55	S	6	2XMEAN
	MW52	0.58	J	25.55	S	6	2XMEAN
	MW53	0.54	J	25.55	S	6	2XMEAN
	MW54	8.3	J	25.55	S	6	2XMEAN
	MW55	1.6	J	25.55	S	6	2XMEAN
ZINC	MW02	45.8	=	1095.00	S	NA	NA
	MW03	130	=	1095.00	S	NA	NA
	MW04	301	=	1095.00	S	NA	NA
	MW05	57.7	=	1095.00	S	NA	NA
	MW07	84.2	=	1095.00	S	NA	NA
	MW08	71.7	=	1095.00	S	NA	NA
	MW09	58.0	=	1095.00	S	NA	NA

258 39

TABLE 3-2
DETECTED GROUNDWATER CONSTITUENTS
DEFENSE DISTRIBUTION DEPOT-MEMPHIS, TENNESSEE

Parameter	Well	Concentration (ug/L)	Q	PRG (ug/L)	PRG Basis	Background (ug/L)	Background Basis
	MW13	41.6	=	1095.00	S	NA	NA
	MW14	43.3	=	1095.00	S	NA	NA
	MW15	100	=	1095.00	S	NA	NA
	MW21	69.8	=	1095.00	S	NA	NA
	MW22	35.3	=	1095.00	S	NA	NA
	MW24	174	=	1095.00	S	NA	NA
	MW26	58.5	=	1095.00	S	NA	NA
	MW28	28.8	=	1095.00	S	NA	NA
	MW29	117	=	1095.00	S	NA	NA
	MW32	32	=	1095.00	S	NA	NA
	MW33	33.9	=	1095.00	S	NA	NA
	MW36	115	=	1095.00	S	NA	NA
	MW37	44.3	=	1095.00	S	NA	NA
	MW38	81	=	1095.00	S	NA	NA
	MW39	68.9	=	1095.00	S	NA	NA
	MW42	48.4	=	1095.00	S	NA	NA
	MW45	44.1	=	1095.00	S	NA	NA

PRG = Preliminary Remediation Goal

2XMean = Background based on twice the mean background concentration.

NA = Not Available

MAX_DET = Background based on maximum detected background concentration.

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

Analyte	No. of Analyses	No. of Detections	Min	Max	Average	Standard Deviation
Inorganics						
Aluminum	52	52	8.20	105000	6704.16	15993.50
Antimony	56	3	2.50	3.90	3.37	0.80
Arsenic	56	25	2.50	107	15.54	21.70
Barium	52	52	56	686	148.68	99.70
Beryllium	56	13	0.54	14.90	3.53	4.50
Cadmium	56	19	2.40	60	12.54	15.60
Calcium	52	35	9030	132000	26866	19359.60
Chromium	56	28	8.20	219	38.03	41.40
Cobalt	52	24	2.80	130	26.28	31.10
Copper	56	29	8.50	135	36.63	27.30
Iron	52	51	117	432000	32353.76	76107.70
Lead	56	42	1.00	124	15.74	21.90
Magnesium	52	52	4200	29500	10616.15	5618.10
Manganese	52	50	4.20	3150	366.80	640.50
Mercury	56	50	0.06	0.65	0.21	0.20
Nickel	56	25	4.90	96	21.98	21.00
Potassium	52	44	361	22500	3882.91	3609.50
Sodium	52	52	1950	85600	20679.81	13479.30
Vanadium	52	52	0.44	298	27.56	52.00
Zinc	56	29	28.80	301	81.54	56.30
VOCs						
1,1,1-Trichloroethane	54	3	1.00	8.00	3.67	3.80
1,1,2,2-Tetrachloroethane	54	9	2.00	540.00	92.67	172.00
1,1,2-Trichloroethane	54	2	5.00	7.00	6.00	1.40
1,1-Dichloroethane	54	4	1.00	2.00	1.75	0.50
1,1-Dichloroethene	54	8	2.00	48.00	21.25	15.30
1,2-Dichloroethene (total)	54	15	1.00	410.00	85.87	140.40
Carbon tetrachloride	54	11	1.00	45.00	12.45	14.60
Chlorobenzene	54	1	1.00	1.00	1.00	ND
Chloroform	54	16	1.00	300.00	28.13	73.90
Ethylbenzene	54	1	2.00	2.00	2.00	ND
Methyl Isobutyl Ketone	54	2	3.00	4.00	3.50	0.70
Tetrachloroethene	54	24	1.00	110.00	26.04	30.80
Trichloroethene	54	24	2.00	5900.00	311.00	1195.20
Xylenes (total)	54	2	9.00	54.00	31.50	31.80

Note:
ND = Standard Deviation not defined (must have at least three values)

TABLE 3-4
CORRELATION BETWEEN TURBIDITY AND CONCENTRATION
DEFENSE DISTRIBUTION DEPOT-MEMPHIS, TENNESSEE

Well	Turbidity (NTU)	ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CALCIUM	CHROMIUM, TOTAL	COBALT	COPPER	IRON	LEAD	MAGNESIUM	MANGANESE	MERCURY	NICKEL	POTASSIUM	SELENIUM	SILVER	SODIUM	THALLIUM	VANADIUM	ZINC
MW16	1.93	112	3.1	2.4	57.5	0.05	0.15	43500	1.9	0.41	8.1	117	1.5	18500	40.9	0.06	2.5	4170	3.7	0.57	46000	2.3	0.44	10.4
MW52	2.5	8.2	2.4	2.4	186	0.05	0.15	48400	1.7	0.41	0.59	46.6	1	23200	4.9	0.06	0.89	4360	3.7	0.57	85600	2.3	0.58	6.2
MW23	5.15	60.2	2.4	3.4	67.9	0.09	0.15	28200	2.7	0.47	0.59	202	1.6	11200	5.8	0.06	1.8	1960	3.7	0.57	14500	2.3	0.7	4.6
MW44	6.2		2.4	2.4		0.1	0.15		5.9		4.4		1			0.08	5		3.7	0.57		2.7		14
MW21	8.25	127	2.4	2.4	56	0.09	1.3	15200	3.3	0.71	3.4	349	2.5	7970	4.2	0.08	2.8	1290	3.7	0.57	15600	2.4	0.89	89.8
MW40	8.8		2.4	2.4		0.05	0.15		2.8		5.5		2			0.08	3.4		3.7	0.57		2.3		5
MW47	9.55	158	2.4	2.4	113	0.09	1.8	26900	6	2.1	0.59	585	1	13400	11.6	0.07	3.4	2120	3.7	0.57	24300	2.3	0.76	4.3
MW50	11	176	2.4	2.4	227	0.05	0.15	45900	2.4	0.78	10.2	322	1.8	20100	30.8	0.07	3.4	4560	3.7	0.57	56600	2.3	0.74	11.4
MW53	16.5	30.4	2.4	2.4	68.7	0.05	0.15	31300	1.7	1.1	1.8	416	1.7	16400	17.4	0.06	1.8	2230	3.7	0.57	32500	2.4	0.54	6.1
MW51	21.3	1760	2.4	2.4	84.4	0.05	0.15	22300	4.6	0.89	2.7	1360	1	10500	3.9	0.06	2.2	1440	3.7	0.57	17000	2.3	2.8	6.1
MW05	25.5	12700	3.8	15.7	101	2	0.43	15700	35.1	15.2	19.2	53300	18.1	7900	202	0.35	18.5	4590	3.7	0.57	29700	2.3	49.6	57.7
MW35	25.5	306	2.4	3.3	124	0.25	0.28	15100	3.8	2.2	1.3	1640	1	7250	18.2	0.06	4.2	1580	3.7	0.57	15500	2.3	1.4	14.8
MW49	25.7	39.3	2.4	2.4	79.2	0.17	0.19	13800	2.5	0.72	5.1	162	4.1	6680	2.2	0.06	4.1	627	3.7	0.57	11900	3.4	0.65	10.3
MW48	26.2	426	2.4	2.5	89.2	0.14	0.16	15600	4.6	0.73	0.59	1630	1.4	8130	8	0.06	2	1290	3.7	0.57	20300	2.3	1.8	5
MW10	28	754	2.4	3.2	112	0.23	0.56	25300	5	1.4	5.6	2190	3.6	12500	22.2	0.06	5.5	2750	3.7	0.57	26000	2.3	2.3	14.9
MW33	33	2210	2.4	5.8	62.3	0.27	1.2	9030	7	2.1	22.4	9820	7.4	4380	61.8	0.07	10	1290	3.7	0.57	17500	2.3	11.4	33.9
MW30	39.2	101	2.4	2.4	146	0.12	0.18	28200	4	1.3	6.4	294	1	14500	7.7	0.06	7.8	1510	3.7	0.57	23900	2.9	1	10.7
MW46	60.7	129	2.4	2.8	64.5	0.14	0.68	16500	3	0.89	12.2	1590	1.2	8230	8.6	0.06	4.9	361	3.7	0.57	25500	3.7	1.2	14.3
MW42	80.2		2.4	4		0.31	1.3		7		31.7		6.4			0.06	14.8		3.7	0.57		2.3		48.4
MW38	85	653	2.8	2.4	63.6	0.05	50.6	28100	11.2	2	35.3	1750	6.8	4960	159	0.06	11.2	4370	3.7	0.57	10600	2.3	2.4	91
MW34	92	622	2.4	2.4	137	0.1	0.53	13500	6	0.64	5.2	3680	2.5	6060	19.4	0.1	3.8	1290	3.7	0.57	9880	2.3	5.3	15.3
MW45	103.5	1470	2.4	4.4	88.6	0.24	0.68	29500	11.7	2.1	8.9	9740	1.2	15200	23	0.11	5.1	1360	3.7	0.57	15800	2.3	9.3	44.1
MW02	109.5	15500	5.6	28.8	214	0.4	0.91	63000	70.3	18.7	23.4	34100	26.6	29500	2380	0.2	49.8	5590	3.7	0.57	14300	2.3	39	45.9
MW19	113.8	1150	2.4	4.3	190	0.16	3.2	12600	8.7	2	25.4	4790	5.4	5590	78.1	0.06	5.7	1290	3.7	0.57	10800	2.3	5	16.7
MW39	115	977	2.4	4.5	79	0.14	1.9	30100	12.7	7.9	28.4	2210	46.7	8080	189	0.06	9.1	2300	3.7	0.57	24200	3.2	2.4	68.9
MW31	123.4	1450	2.4	3.8	136	0.31	0.81	23600	7.2	2.7	3.6	12400	2	11600	55.2	0.07	4.4	1650	3.7	0.57	23300	2.6	9.3	17.6
MW12	154	2320	2.8	4.4	69.7	0.56	1.4	13300	18.9	11.8	6.3	14400	5.7	6620	159	0.07	16.5	1410	3.7	0.57	16900	2.3	10.3	23.9
MW37	176	2150	2.4	2.4	686	0.31	0.8	40600	6.4	2.1	5.6	6610	5	14200	217	0.06	6	8760	3.7	0.57	7010	2.3	4.4	44.3
MW54	186	1750	2.4	2.4	112	0.06	0.86	14200	18.5	1.2	27.2	12700	2.3	7110	28.6	0.06	5.4	1290	3.7	0.57	16300	2.3	6.2	26
MW36	193	4660	3.9	2.4	243	0.38	9.6	32400	50.5	6.3	44.1	6270	13.6	4280	147	0.09	40	5270	3.7	0.57	2210	2.3	6.6	115
MW25	194.5	2860	2.4	4.3	135	0.38	2.1	17900	9.7	13	19.4	22500	7.6	9580	648	0.09	7.2	1550	3.7	0.57	13400	2.3	30.9	19.5
MW11	199.2	2650	2.4	2.4	96	0.4	11.9	14500	9.5	9	20.2	9810	6.3	7040	218	0.08	8.5	3120	3.7	0.57	16800	2.3	10.3	25.8
MW03	999	23300	2.4	33.4	203	4.5	0.96	24700	74.6	42	47.7	135000	42.2	12500	406	0.2	45.7	7080	3.7	0.57	17500	2.3	126	130
MW04	999	105000	2.4	107	292	14.9	4.9	16700	219	130	135	432000	124	10100	1290	0.63	95.6	22500	3.7	0.57	14600	2.3	298	301
MW06	999	420	2.4	2.5	279	0.17	0.8	132000	2.8	2.3	2.8	1640	3.2	26800	3150	0.36	14.6	5200	3.7	0.57	28100	2.3	1.4	13.4
MW07	999	13300	7.9	24.3	122	3.5	0.41	22000	48.8	53.3	42.5	97500	22.7	10700	407	0.14	29.9	4980	3.7	0.57	20200	2.3	99.7	84.2

TABLE 3-4
CORRELATION BETWEEN TURBIDITY AND CONCENTRATION
DEFENSE DISTRIBUTION DEPOT-MEMPHIS, TENNESSEE

Well	Turbidity (NTU)	ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CALCIUM	CHROMIUM, TOTAL	COBALT	COPPER	IRON	LEAD	MAGNESIUM	MANGANESE	MERCURY	NICKEL	POTASSIUM	SELENIUM	SILVER	SODIUM	THALLIUM	VANADIUM	ZINC
MW08	999	21600	2.9	16.7	149	1.8	1.6	17400	47.4	23.9	55.5	67100	21.7	7910	491	0.18	24.3	5780	3.7	0.57	26900	2.3	68.3	71.7
MW09	999	6400	2.4	8.3	115	0.63	15.2	36100	24.4	11	30.8	25200	24.7	19000	341	0.08	11.3	3790	3.7	0.57	18000	2.3	32.2	58.9
MW13	999	5640	2.4	9.4	71.5	0.82	5.4	12300	15.1	13.2	34.6	25200	12.5	6240	177	0.11	8.9	1290	3.7	0.57	18100	2.3	25.3	41.6
MW14	999	5240	2.4	10.1	170	0.54	5.6	18700	18.2	17.6	10.1	23800	13.1	8890	419	0.1	7.6	2490	3.7	0.57	10700	2.3	26.1	43.3
MW15	999	11300	3.9	25	133	1.8	0.71	14200	43.5	31	47	70600	23	6740	415	0.17	20.1	4160	3.7	0.57	12500	2.3	84.3	100
MW20	999	4230	2.4	6.9	82	0.31	11.9	20100	8.2	2.8	18.3	8670	7.1	7340	96.5	0.08	7.8	4380	3.7	0.57	14000	2.5	15.6	25.3
MW22	999	2460	9.4	2.4	107	0.2	6.9	25800	16.8	2.4	47.4	14600	7	13300	48.1	0.06	6.2	5410	3.7	0.57	40300	2.3	10.2	35.3
MW24	999	39600	5.2	10.8	252	11.4	1.8	13800	67.8	108	72.3	313000	34.5	7190	1270	0.63	32.2	10000	3.7	0.57	19100	2.3	148	174
MW26	999	5190	2.4	8.5	264	1.2	0.37	21700	13.6	14.7	38.7	47100	10.2	10500	568	0.13	9.1	3520	3.7	0.57	30300	2.3	66.1	58.5
MW28	999	917	2.4	2.8	151	0.41	11.6	19000	3.5	35.8	15.9	3200	3.3	6900	580	0.11	6.2	1710	3.7	0.57	13700	4	7.4	26.8
MW29	999	27900	3.7	33.8	203	2.2	3.7	29100	74.5	16	97	100000	26.8	13800	325	0.16	32.6	5320	3.7	0.57	29500	2.3	119	117
MW32	999	5680	4	10.1	242	0.7	2.8	68300	16.6	13	11.2	26400	13.8	15400	2240	0.65	11.2	5930	3.7	0.57	20600	2.3	36	32
MW41		86.1	2.4	2.4	151	0.1	2.4	29200	3.3	1.3	10.4	871	1.3	9560	132	0.06	5.7	3480	3.7	0.57	19500	2.3	1	16.7
MW55		339	2.4	2.4	68.5	0.14	0.88	12000	4.1	1.3	1	734	5.1	4210	27.4	0.06	3.6	1290	3.7	0.57	14900	2.6	1.6	8.2

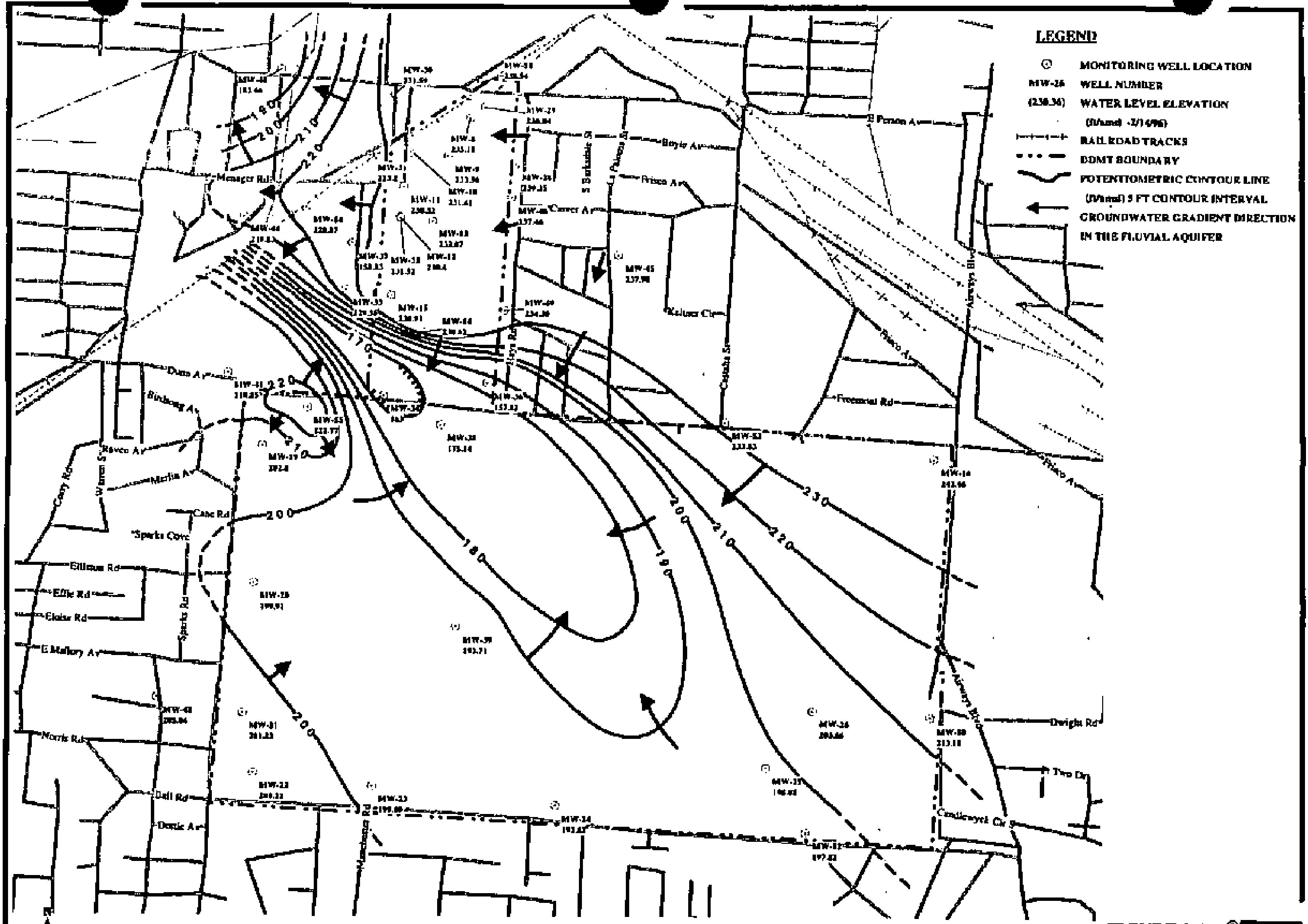


FIGURE 3-1
POTENTIOMETRIC SURFACE MAP
DEFENSE DISTRIBUTION DEPOT - MEMPHIS, TENNESSEE

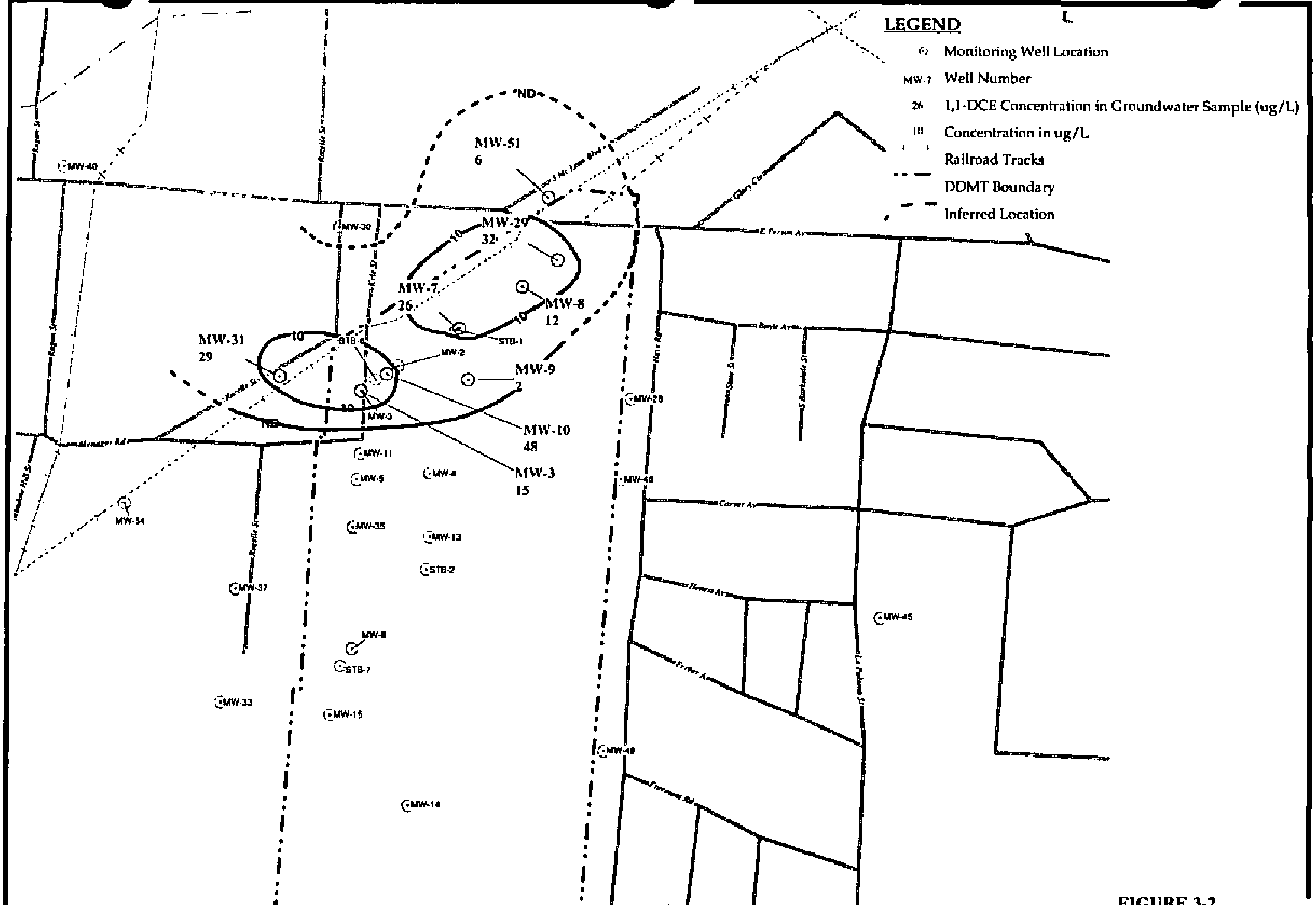


FIGURE 3-2

1,1- DICHLOROETHENE (1,1-DCE)
CONCENTRATION IN FLUVIAL AQUIFER WELLS
DEFENSE DISTRIBUTION DEPOT - MEMPHIS, TENNESSEE

CH2MHILL

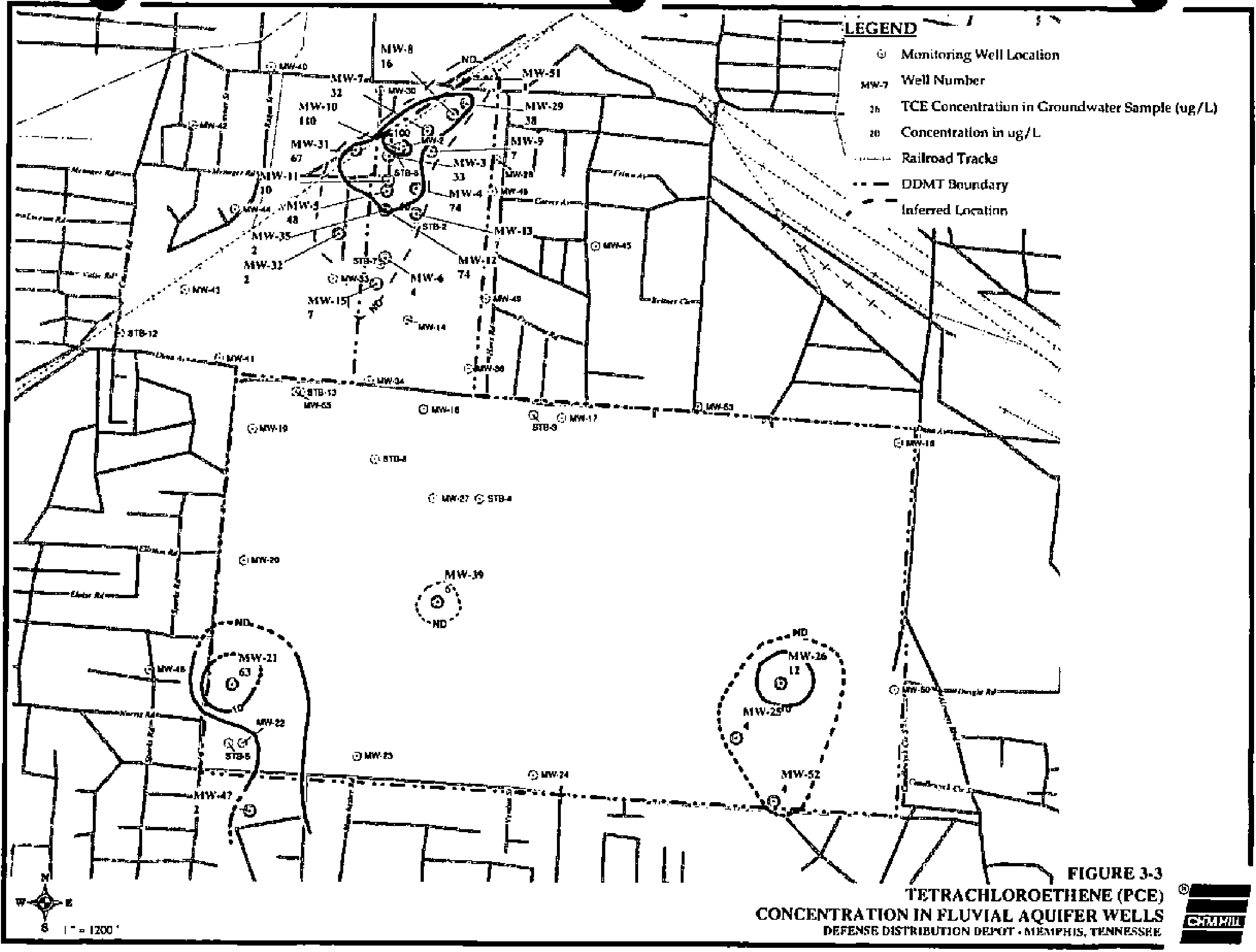


FIGURE 3-3

TETRACHLOROETHENE (PCE)

CONCENTRATION IN FLUVIAL AQUIFER WELLS

DEFENSE DISTRIBUTION DEPOT · MEMPHIS, TENNESSEE

CH2MHILL

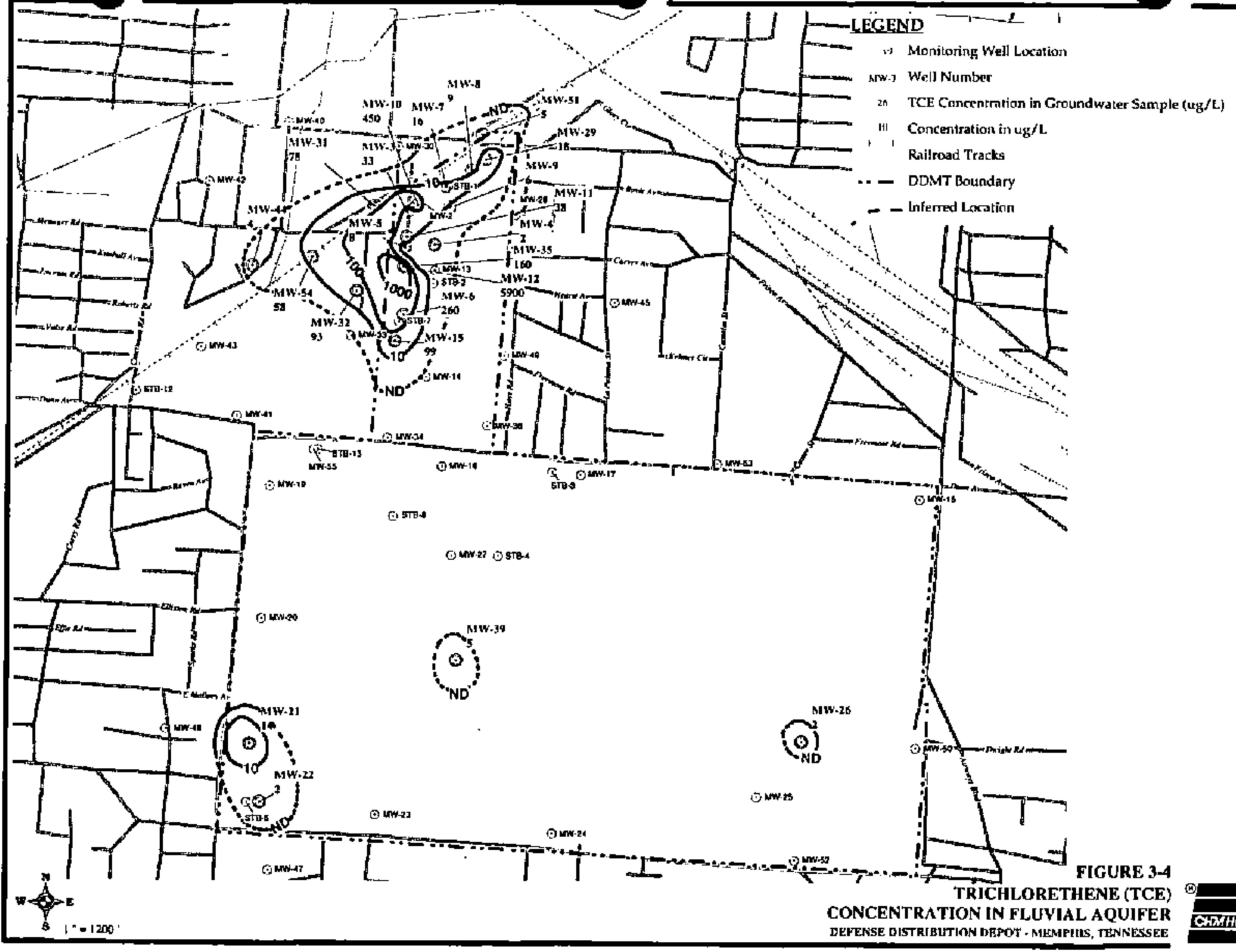


FIGURE 3-4
TRICHLORETHENE (TCE)
CONCENTRATION IN FLUVIAL AQUIFER
DEFENSE DISTRIBUTION DEPOT - MEMPHIS, TENNESSEE

CH2MHILL

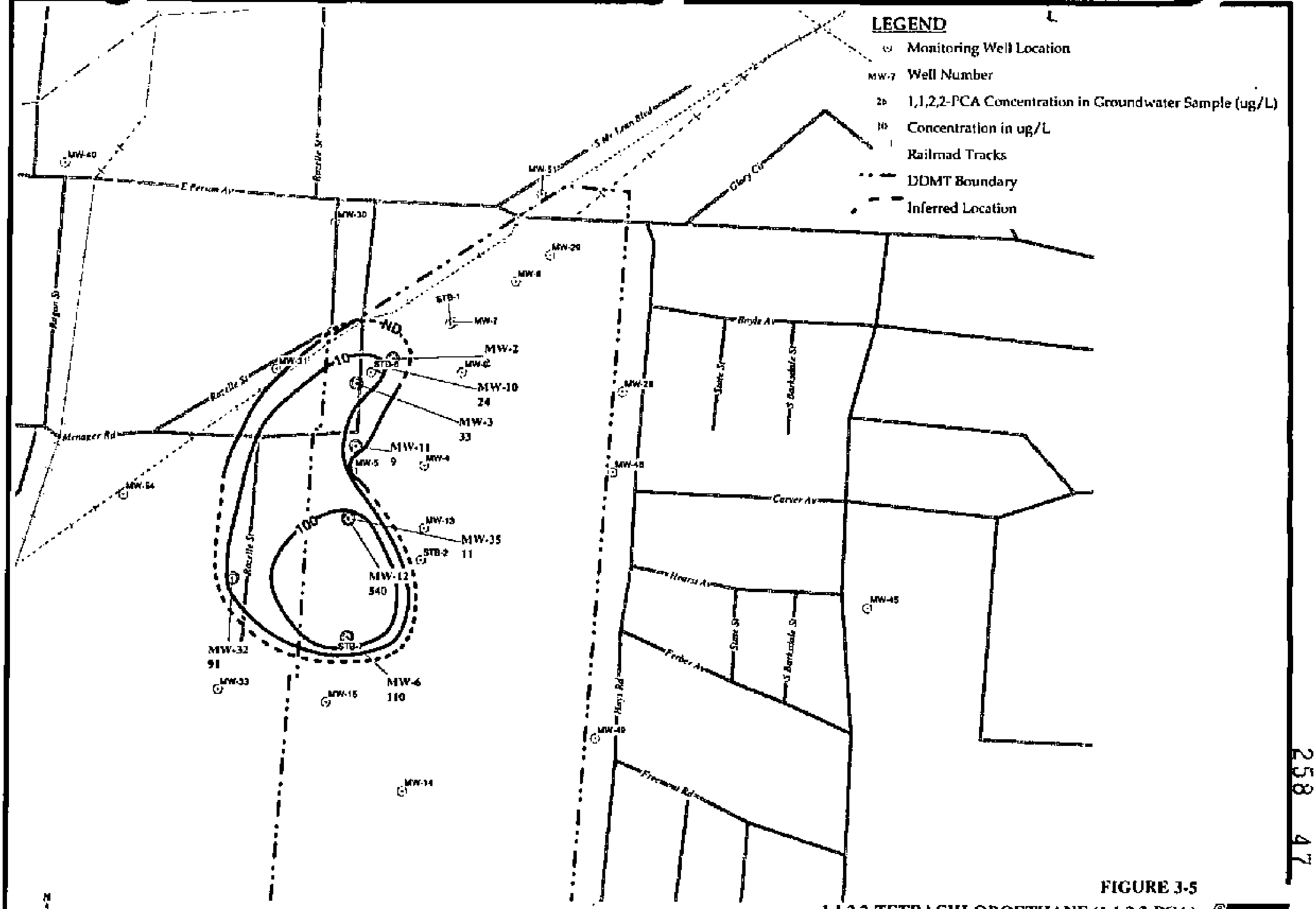


FIGURE 3-5
1,1,2,2-TETRACHLOROETHANE (1,1,2,2-PCA)
CONCENTRATION IN FLUVIAL AQUIFER WELLS
DEFENSE DISTRIBUTION DEPOT - MEMPHIS, TENNESSEE

258 47

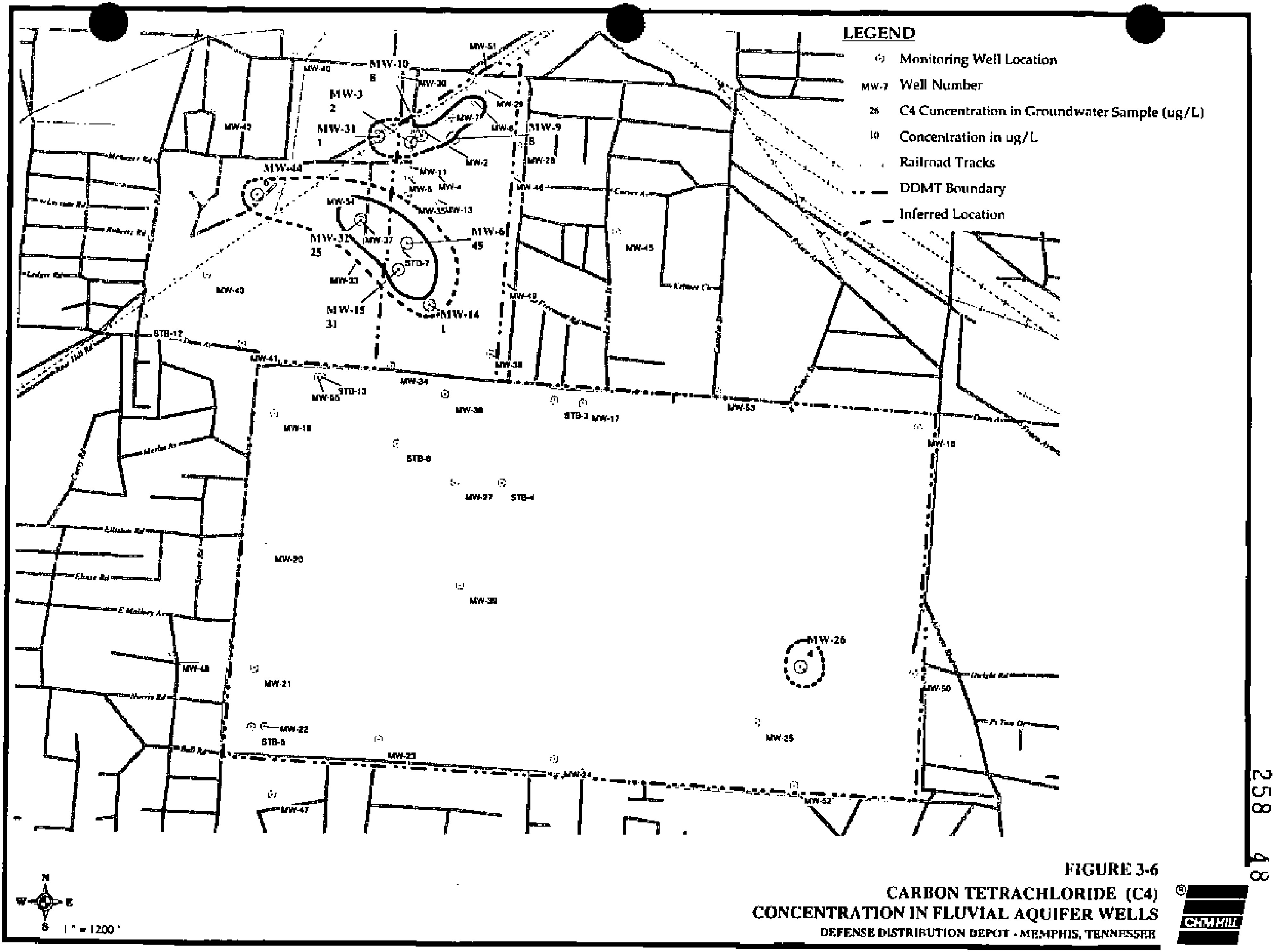


FIGURE 3-6

CARBON TETRACHLORIDE (C4)
CONCENTRATION IN FLUVIAL AQUIFER WELLS

DEFENSE DISTRIBUTION DEPOT - MEMPHIS, TENNESSEE

CH2MHILL

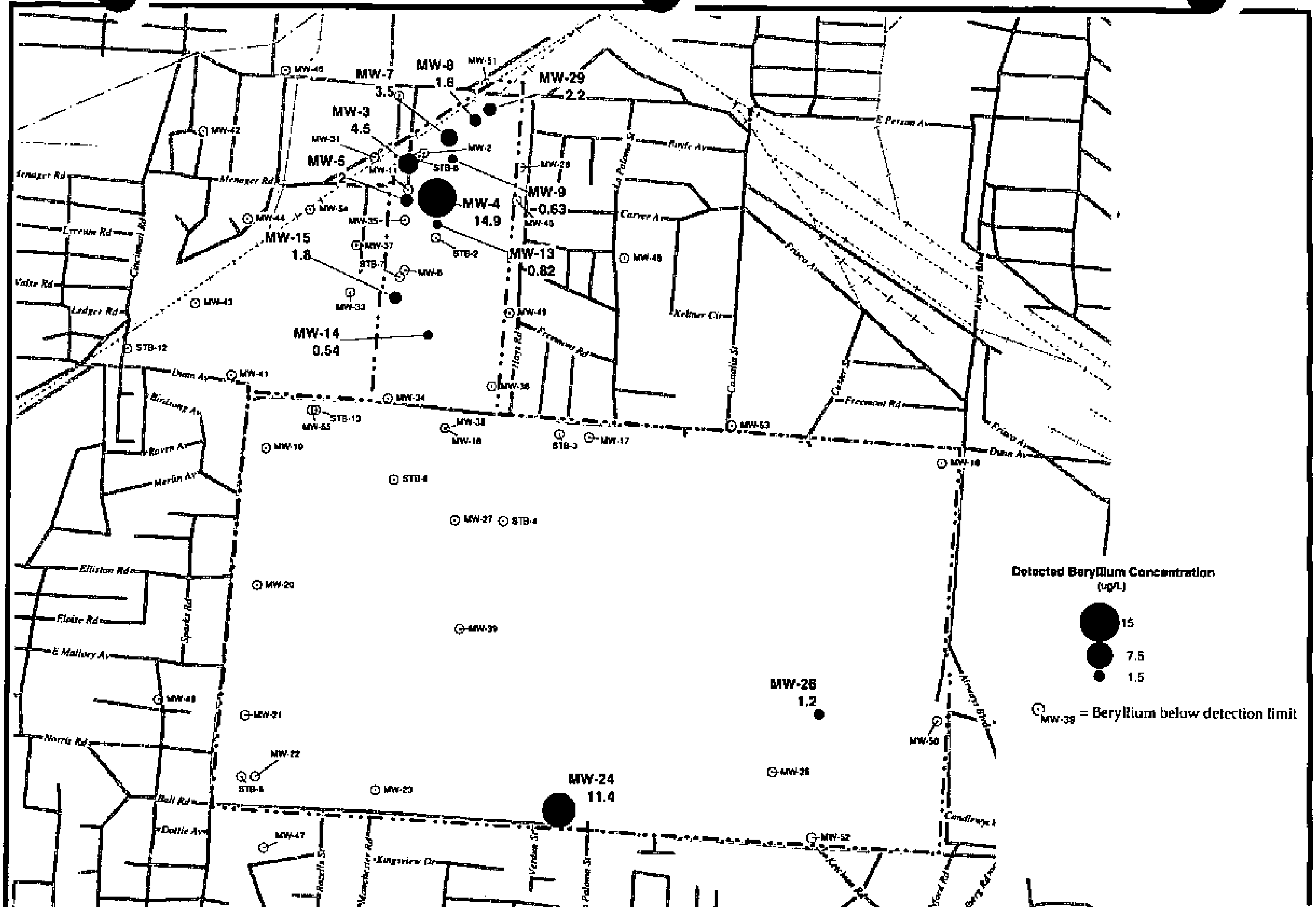


FIGURE 3-7
DISTRIBUTION OF BERYLLIUM IN FLUVIAL AQUIFER WELLS
DEFENSE DISTRIBUTION DEPOT - MEMPHIS, TENNESSEE

CH2M HILL

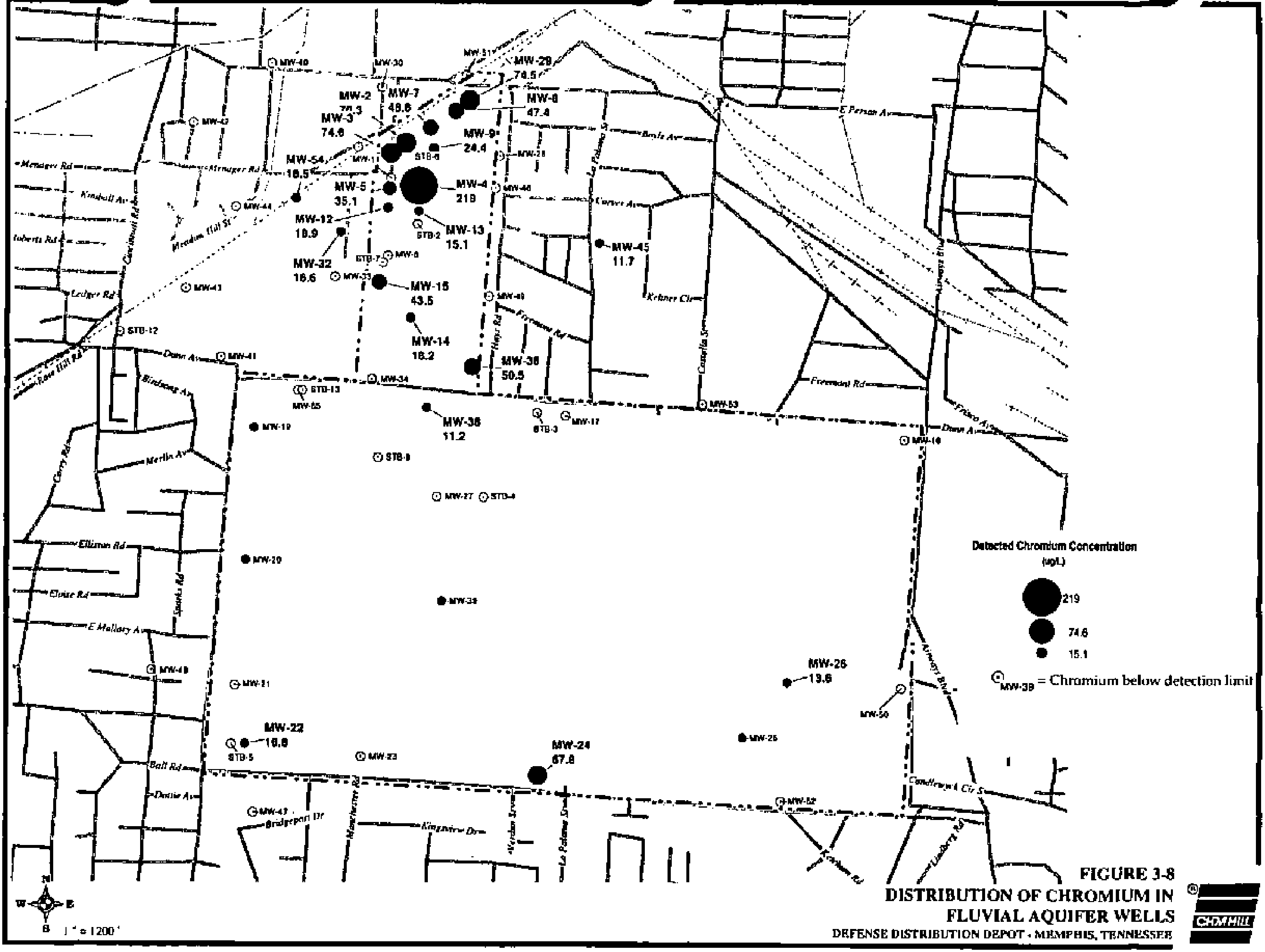


FIGURE 3-8
DISTRIBUTION OF CHROMIUM IN FLUVIAL AQUIFER WELLS

DEFENSE DISTRIBUTION DEPOT - MEMPHIS, TENNESSEE

CH2M HILL

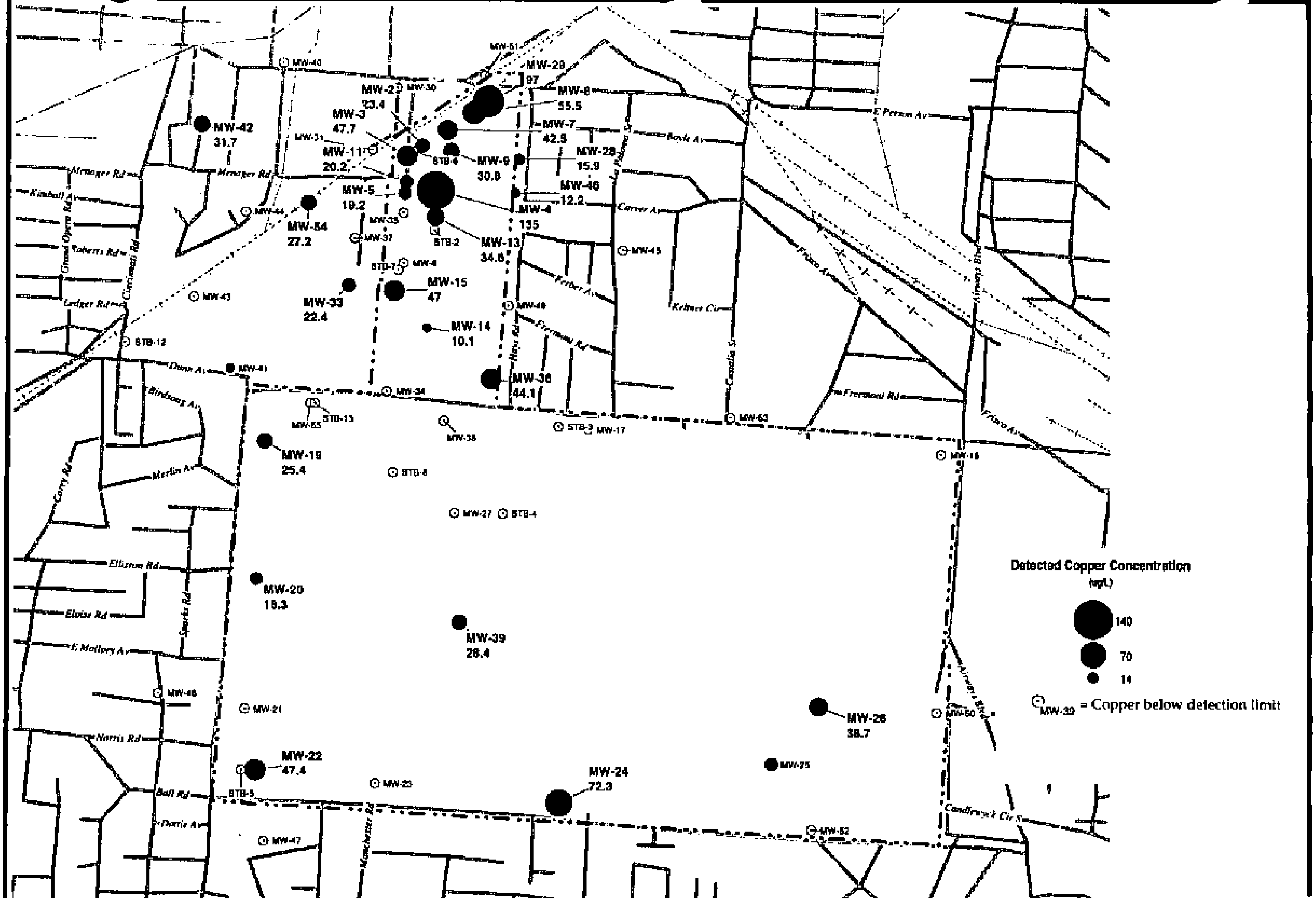


FIGURE 3-9
DISTRIBUTION OF COPPER IN FLUVIAL AQUIFER WELLS

DEFENSE DISTRIBUTION DEPOT - MEMPHIS, TENNESSEE

CH2MHILL

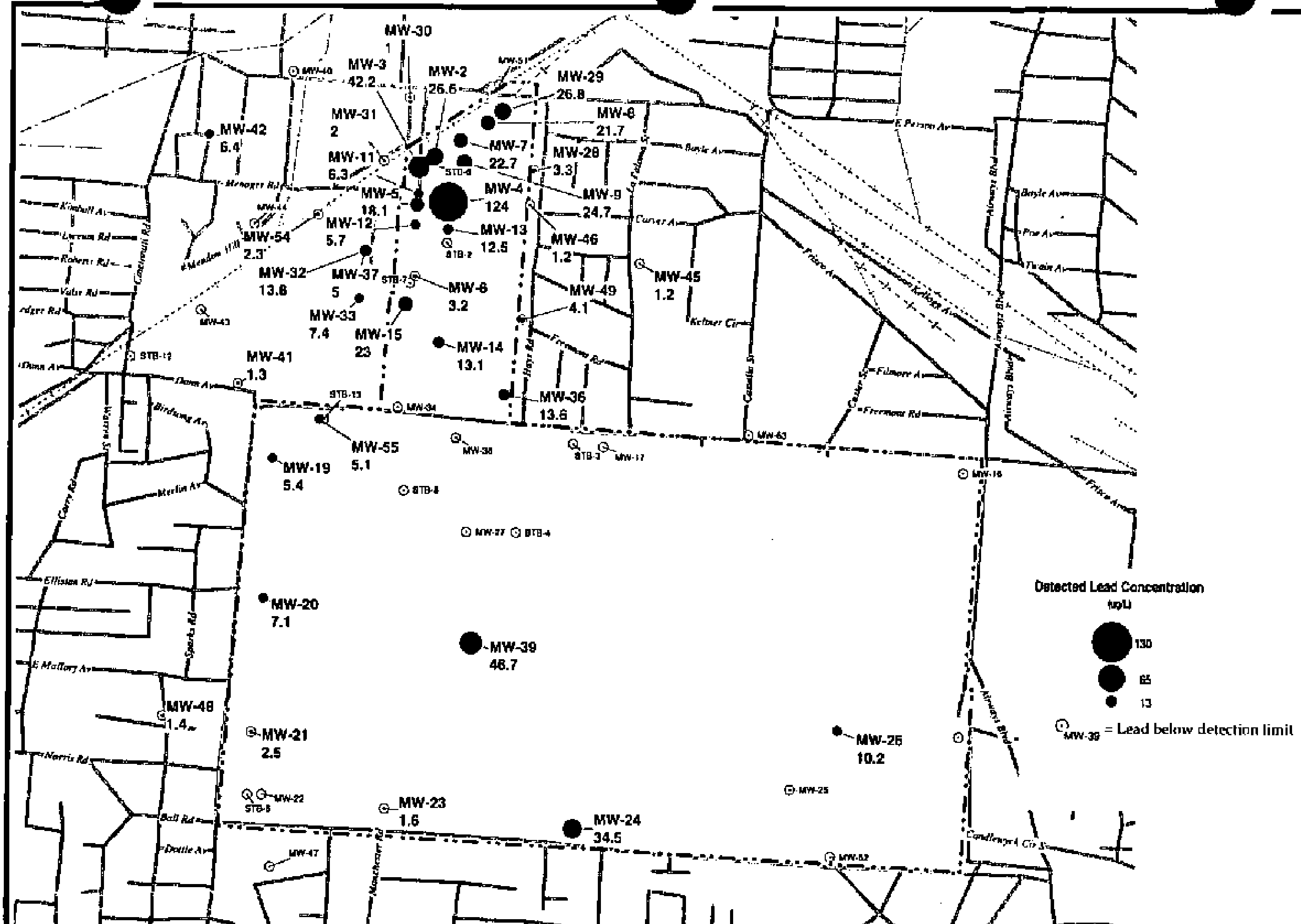


FIGURE 3-10
DISTRIBUTION OF LEAD IN FLUVIAL AQUIFER WELLS
DEFENSE DISTRIBUTION DEPOT - MEMPHIS, TENNESSEE

CH2MHILL

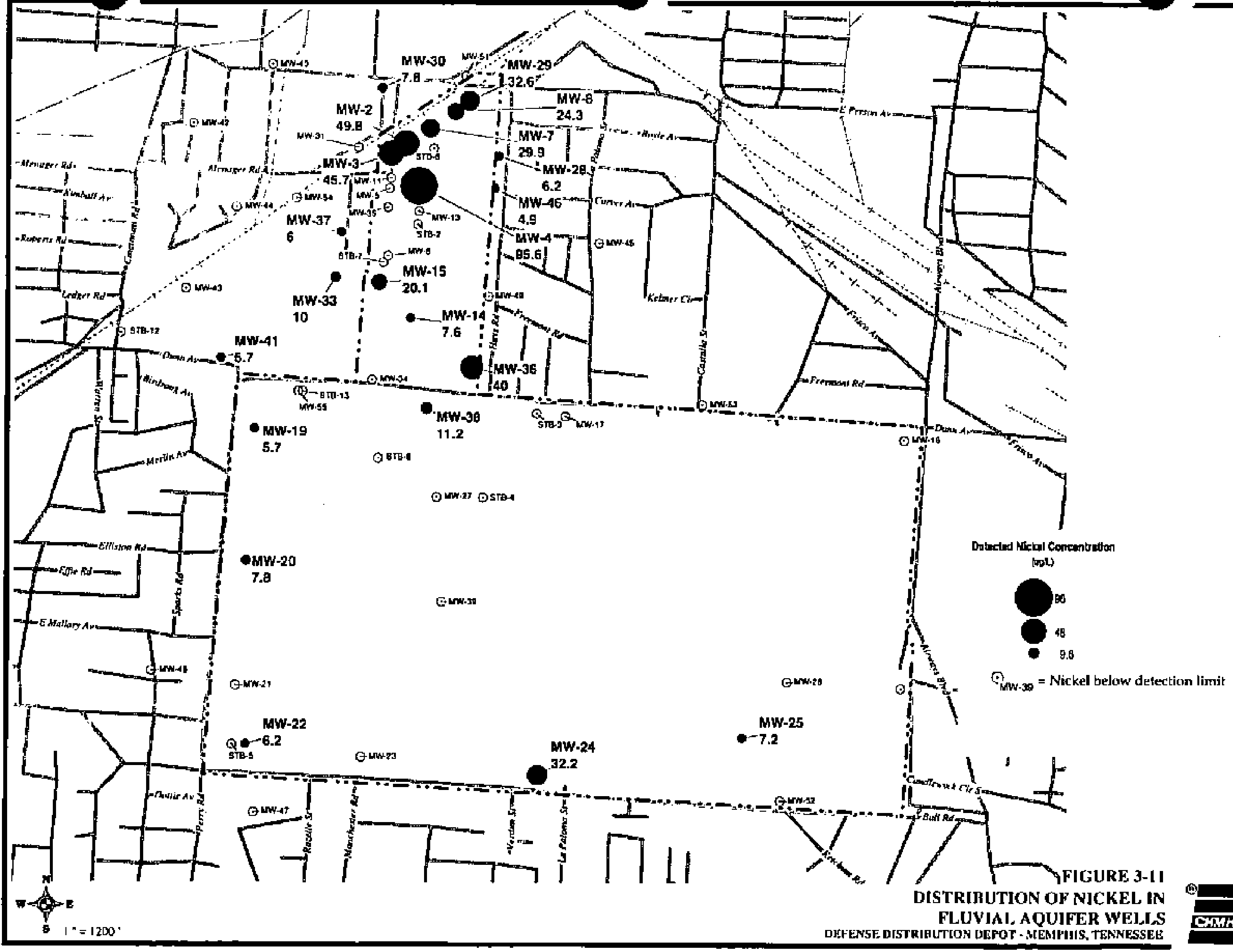


FIGURE 3-11
DISTRIBUTION OF NICKEL IN
FLUVIAL AQUIFER WELLS
DEFENSE DISTRIBUTION DEPOT - MEMPHIS, TENNESSEE

CH2M HILL

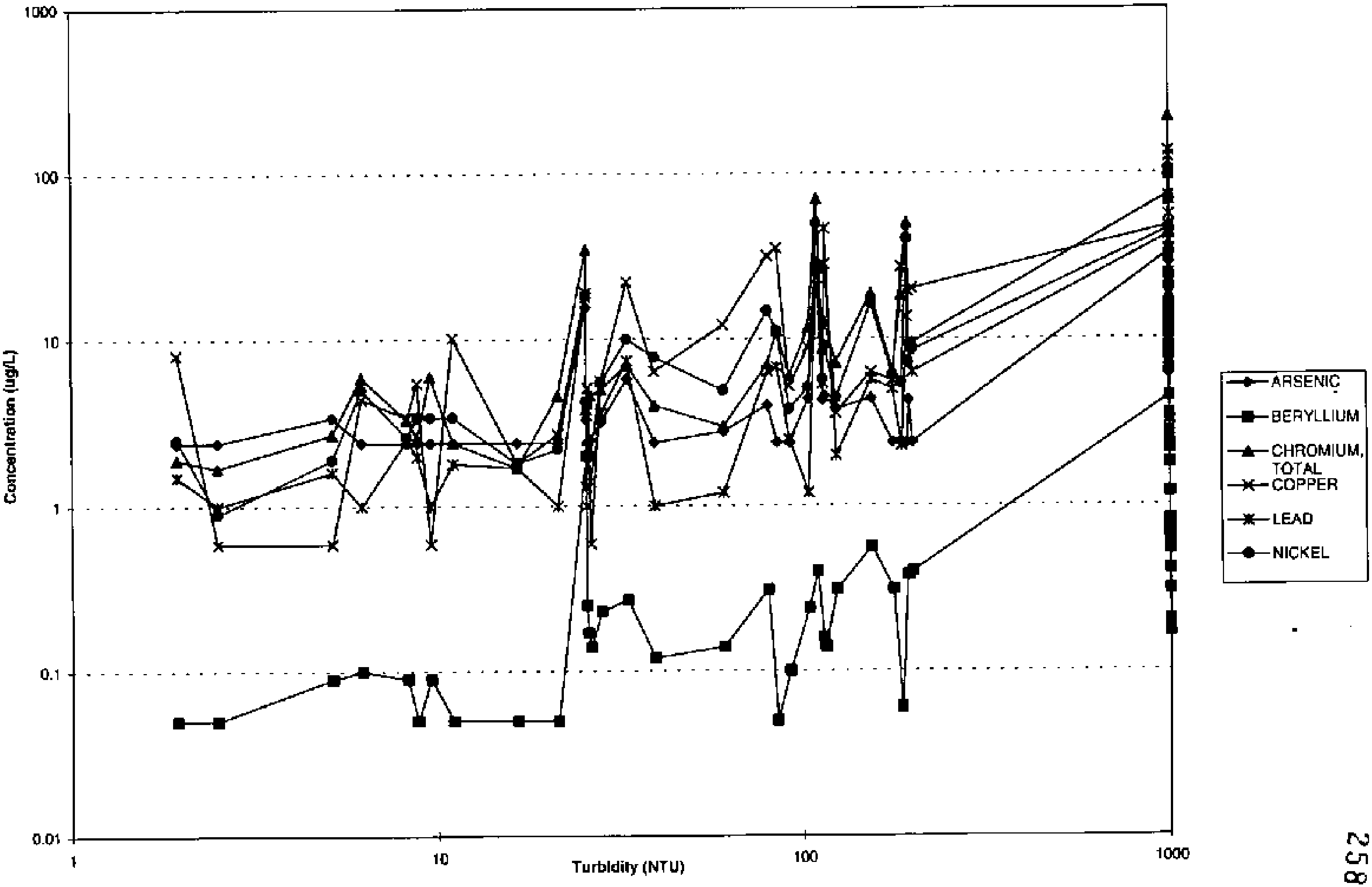


Figure 3-12. Linear Correlation Between Turbidity and Concentration

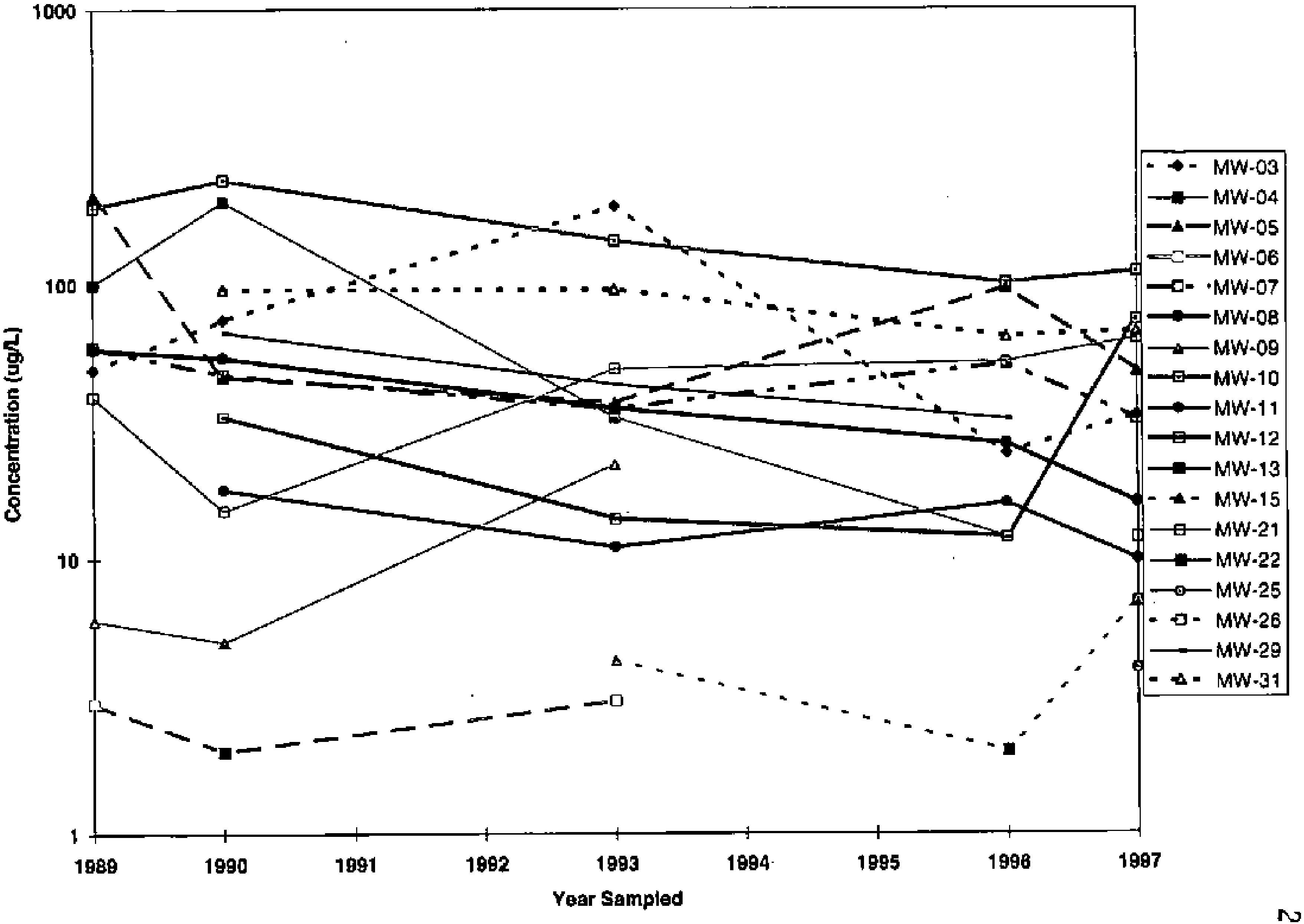


Figure 3-13. Tetrachloroethylene (PCE) Concentration Trends

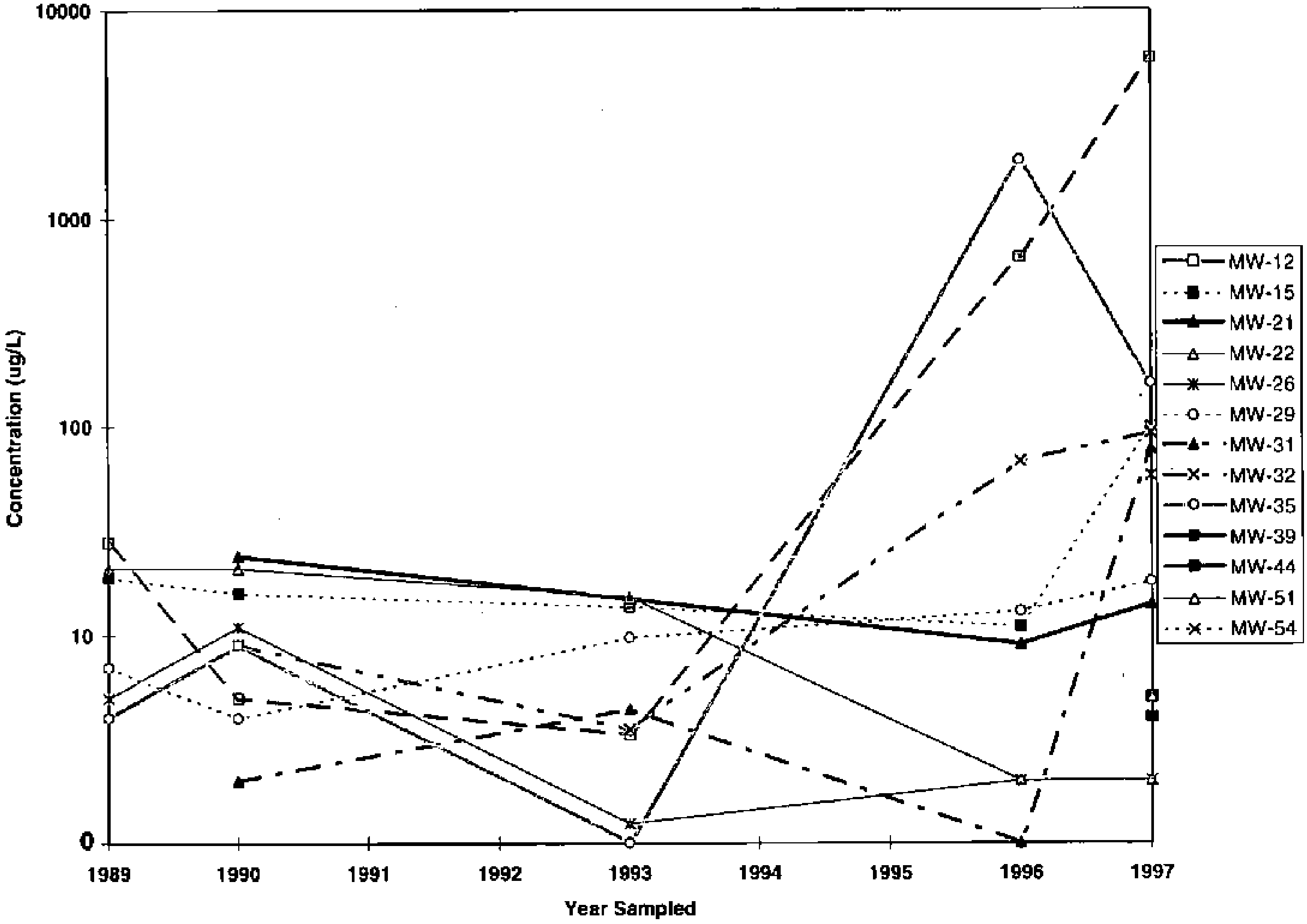


Figure 3-14. Trichloroethylene (TCE) Concentration Trends

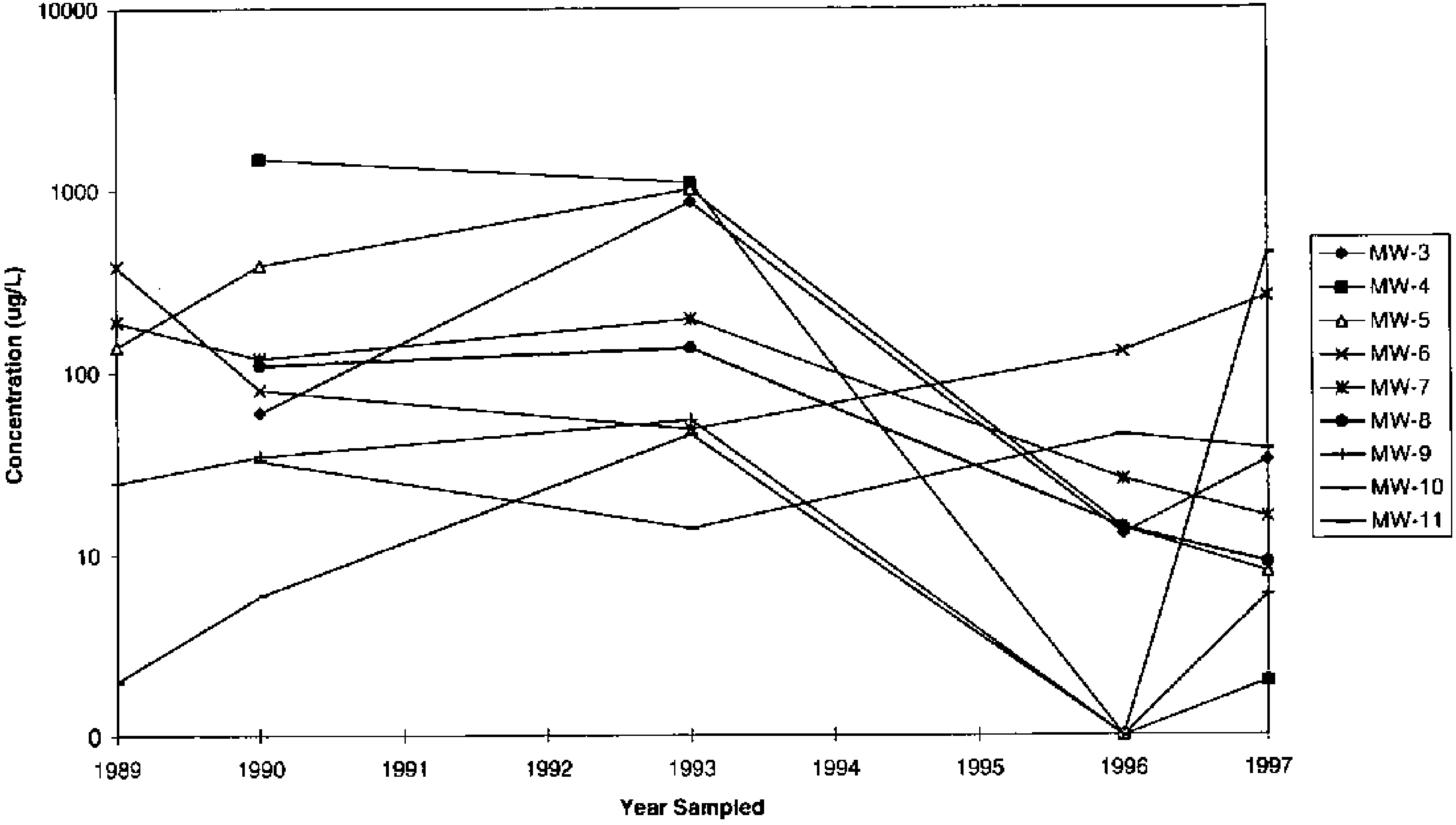


Figure 3-14. (continued) Trichloroethylene (TCE) Concentration Trends

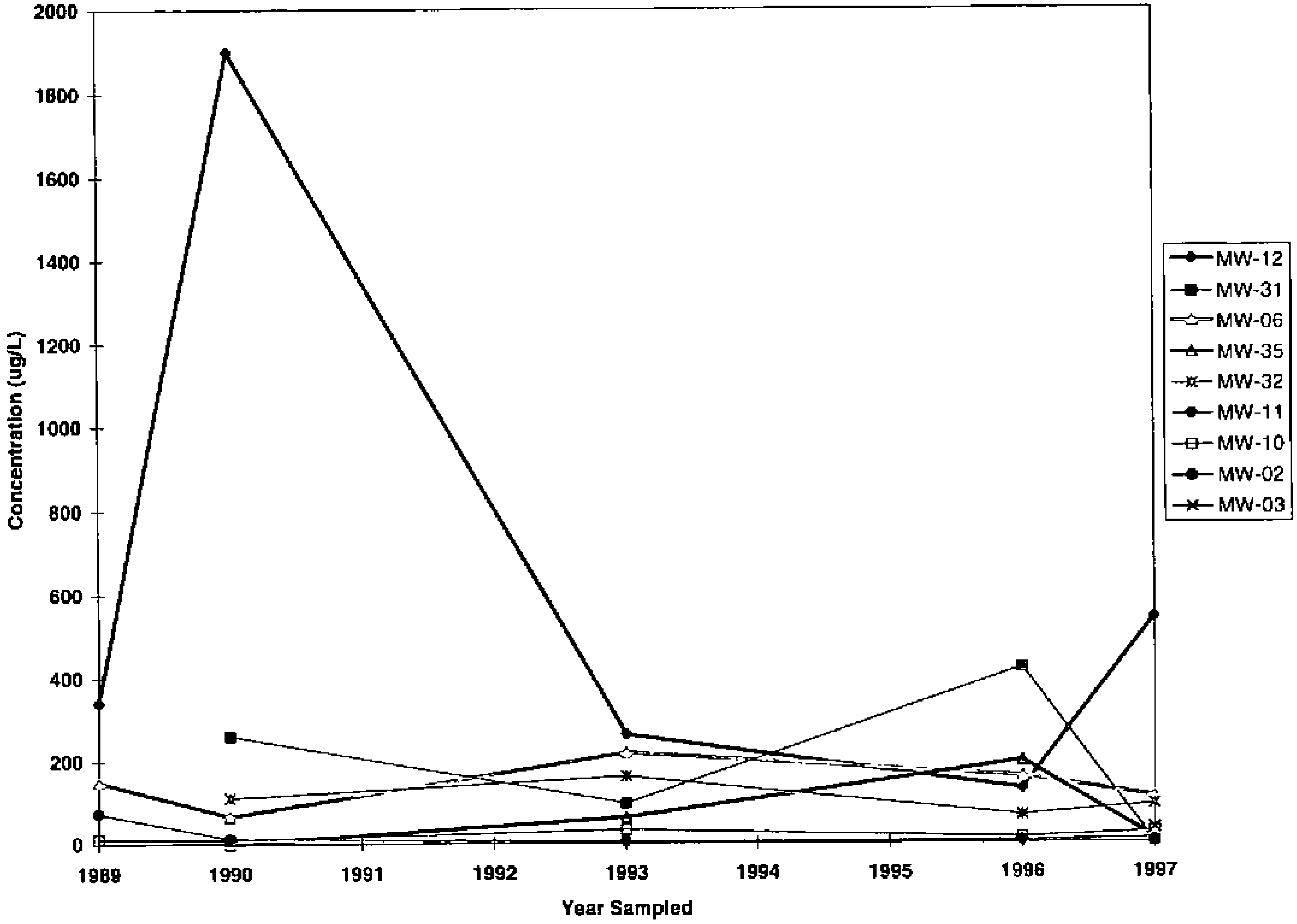


Figure 3-15. 1,1,2,2-Tetrachloroethane (1,1,2,2-PCA) Concentration Trends

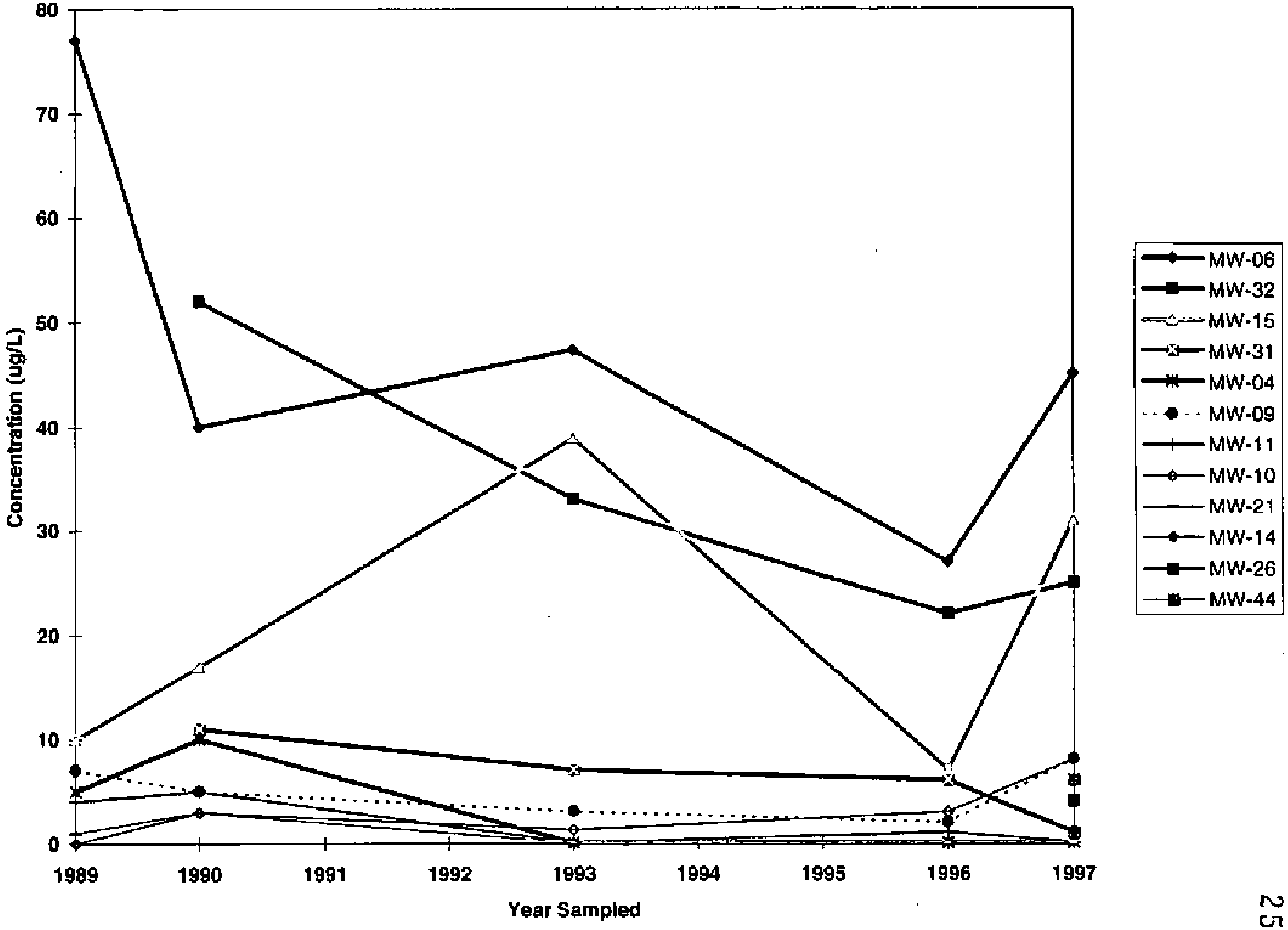


Figure 3-16. Carbon Tetrachloride Concentration Trends

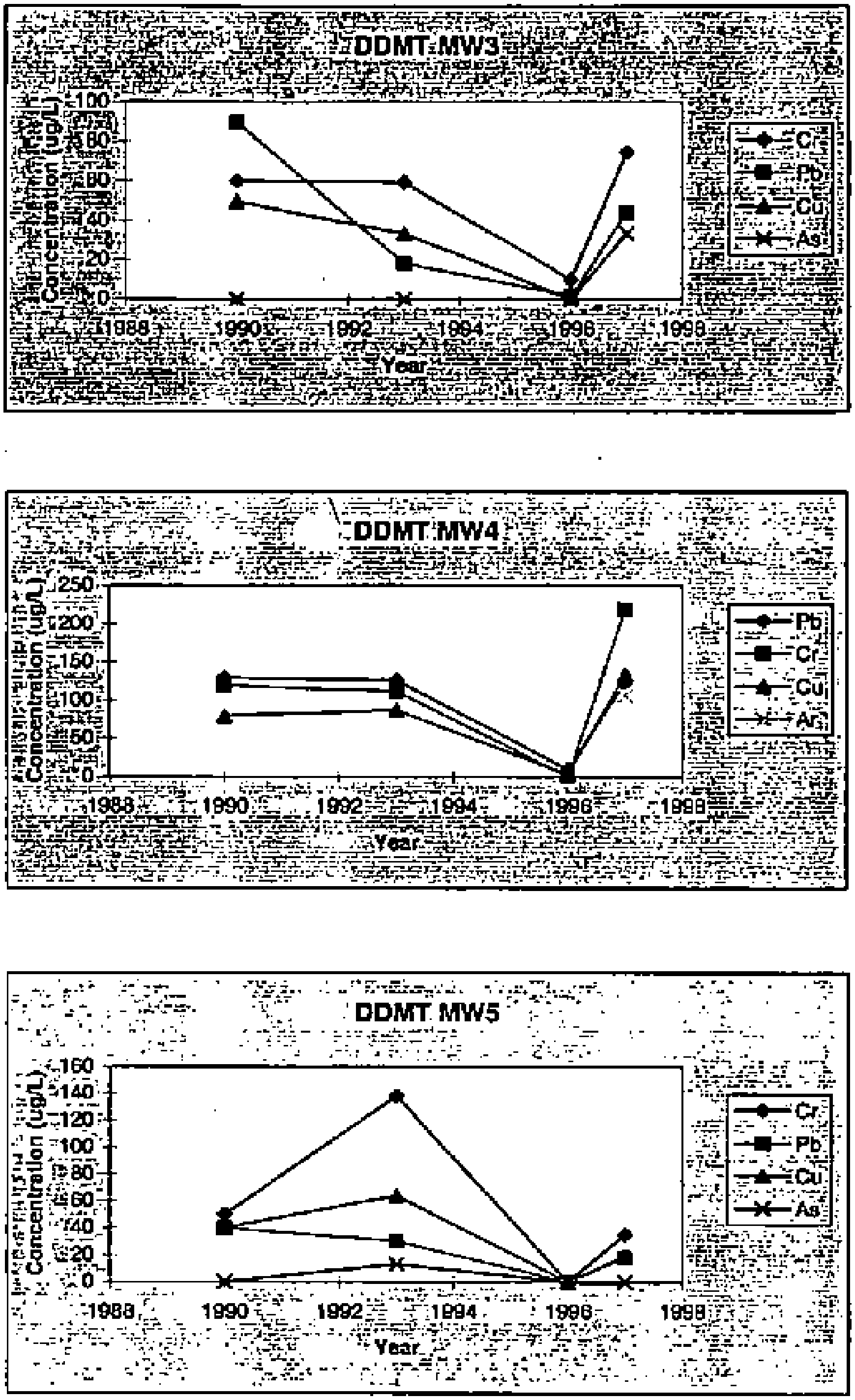
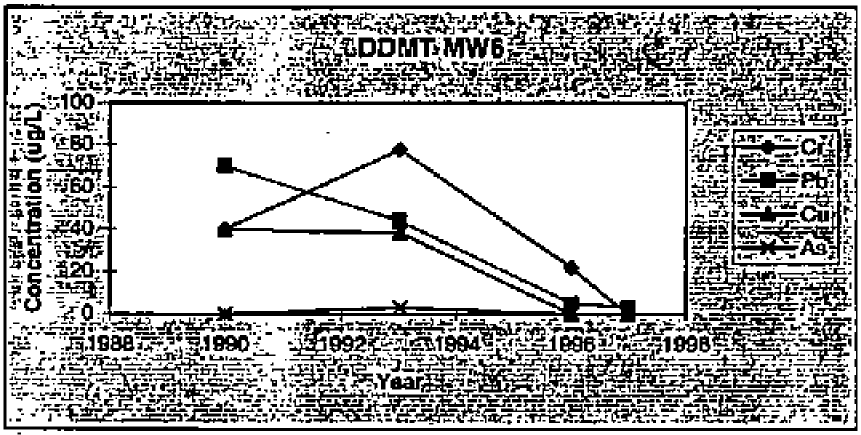
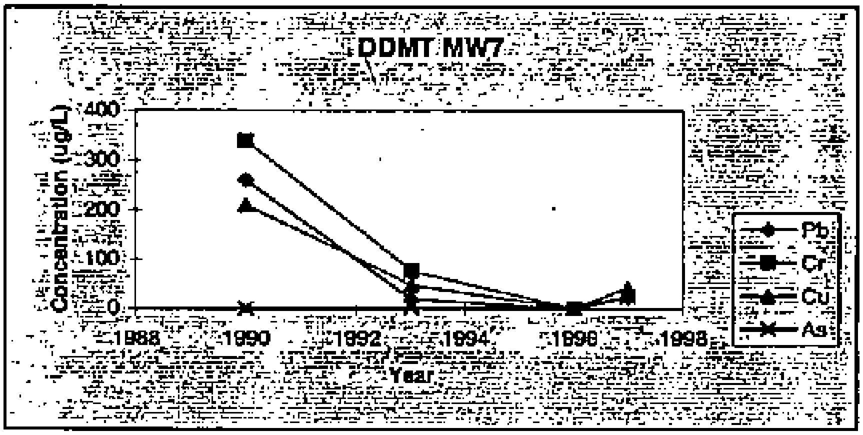


Figure 3.17 Temporal Trends in Metals Concentrations





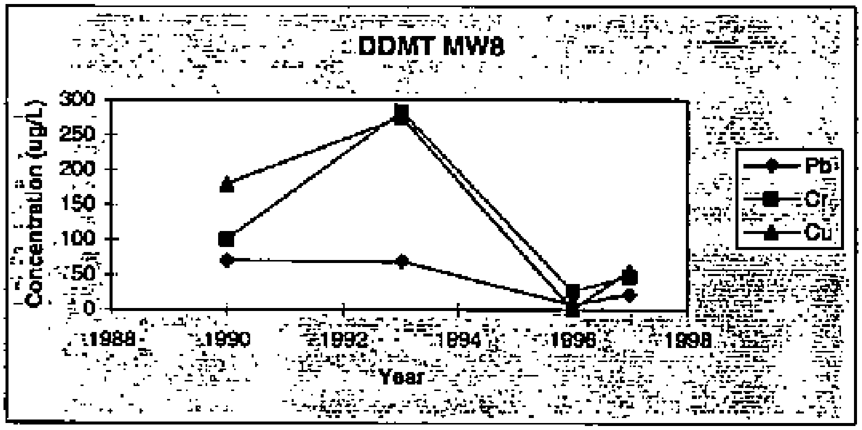


Figure 3.17 Temporal Trends in Metals Concentrations (Continued)

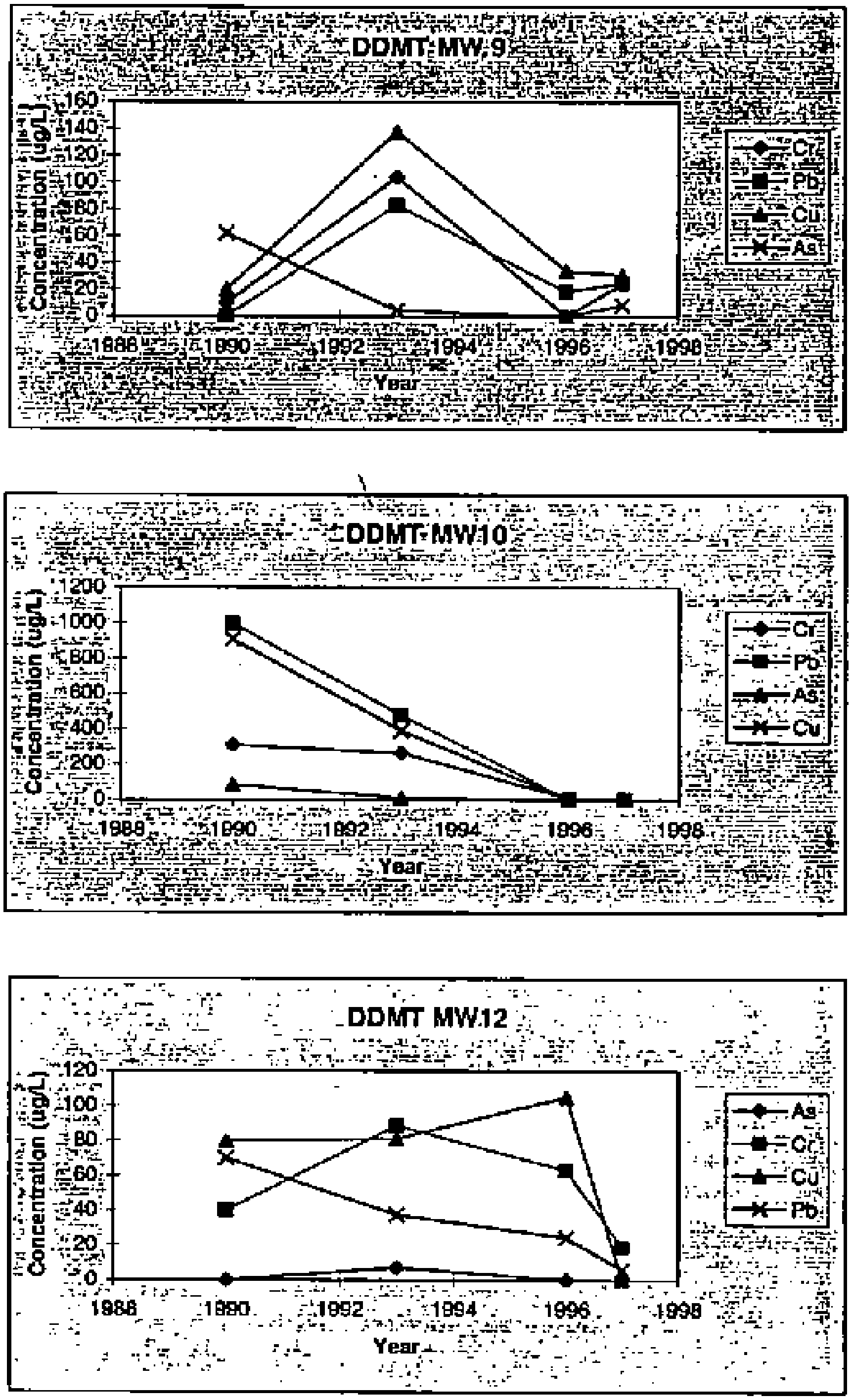


Figure 3.17 Temporal Trends in Metals Concentrations (Continued)

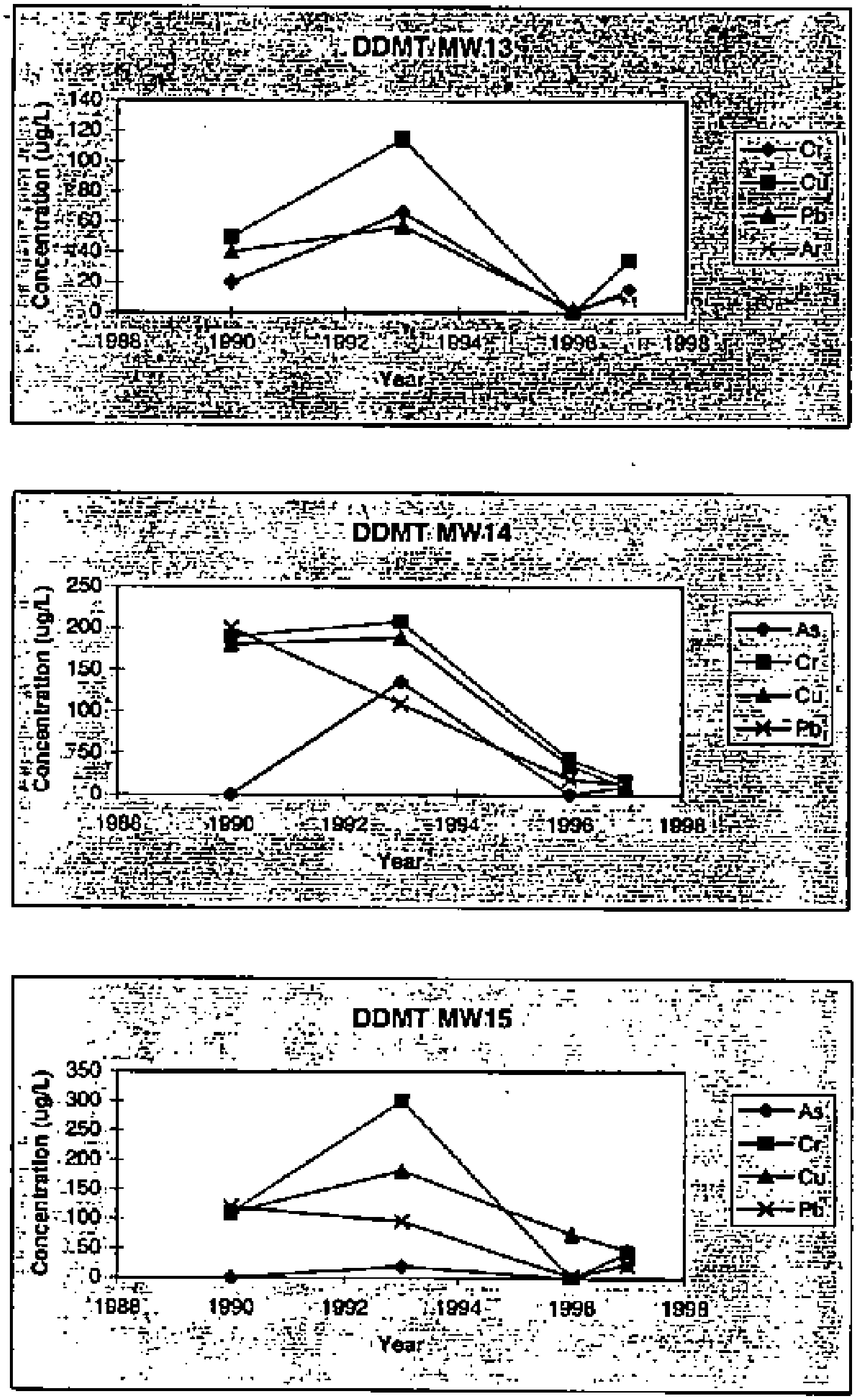


Figure 3.17 Temporal Trends in Metals Concentrations (Continued)

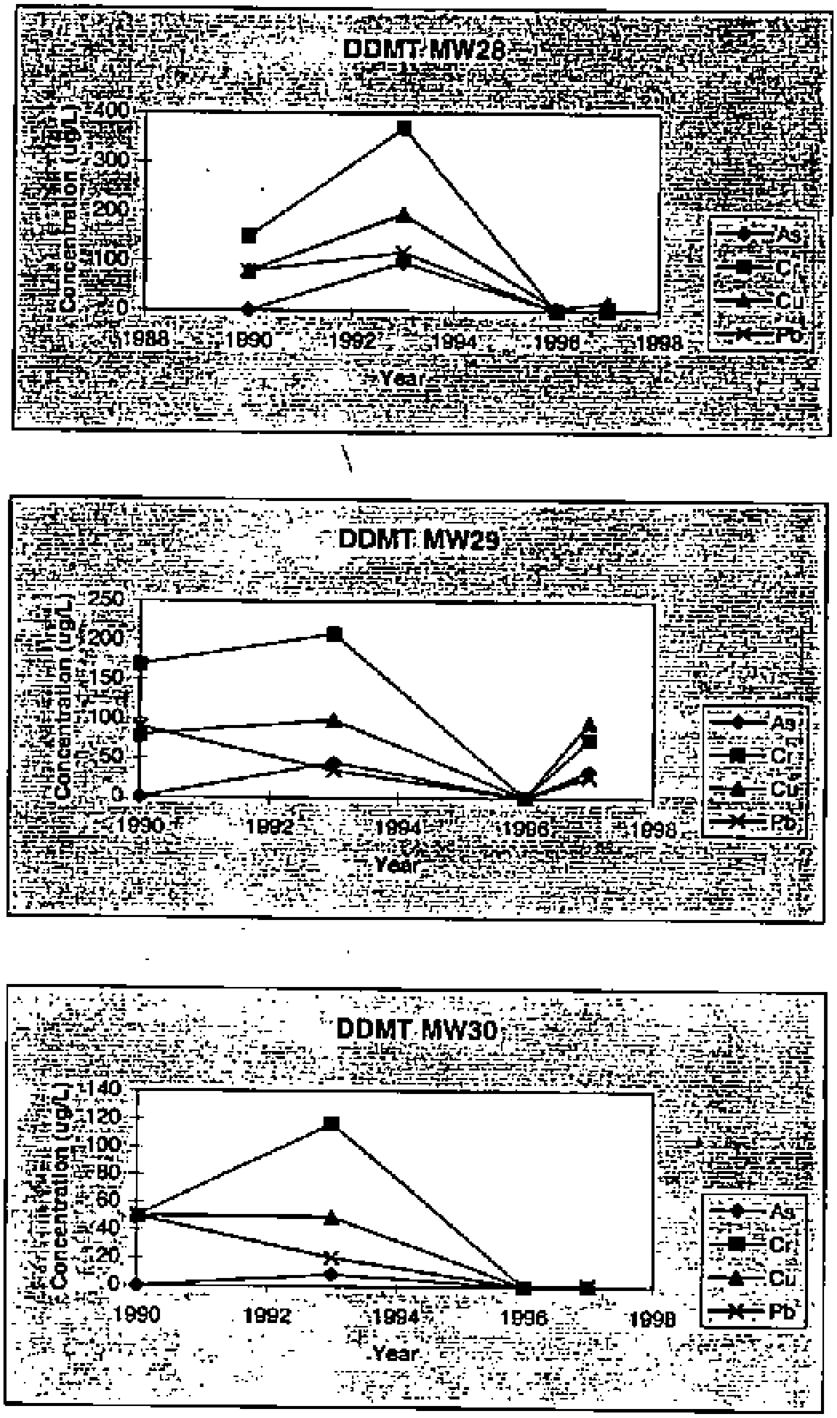
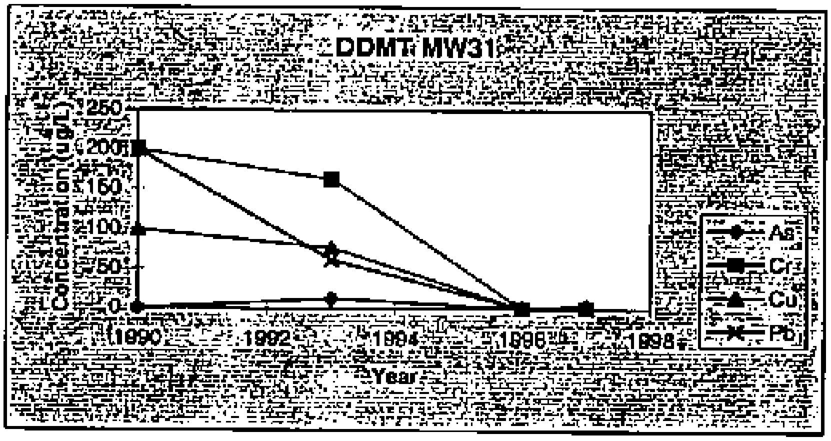
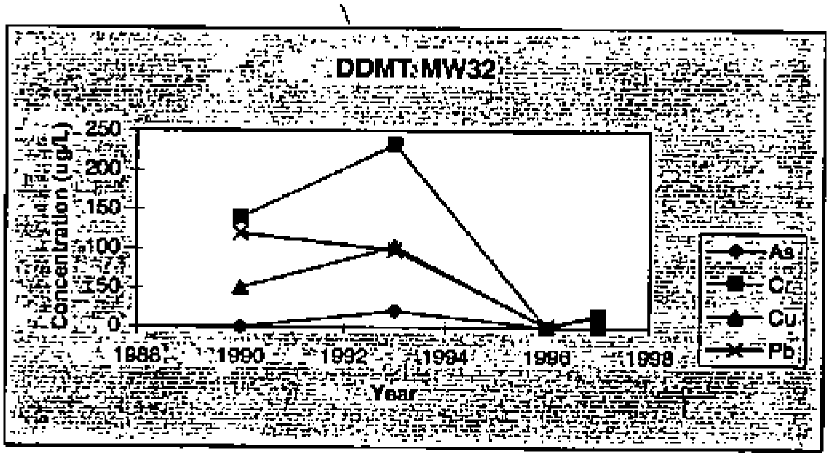


Figure 3.17 Temporal Trends in Metals Concentrations (Continued)





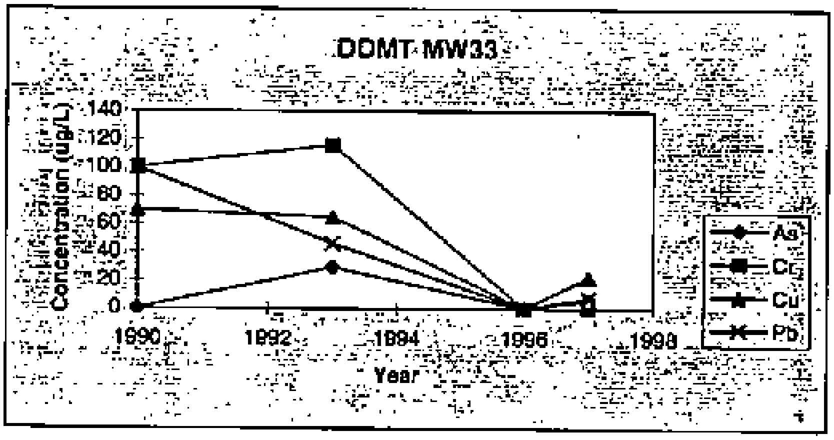
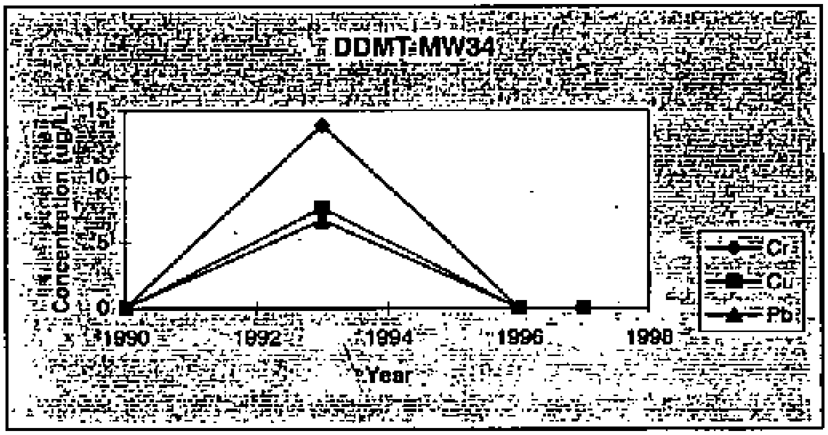


Figure 3.17 Temporal Trends in Metals Concentrations (Continued)



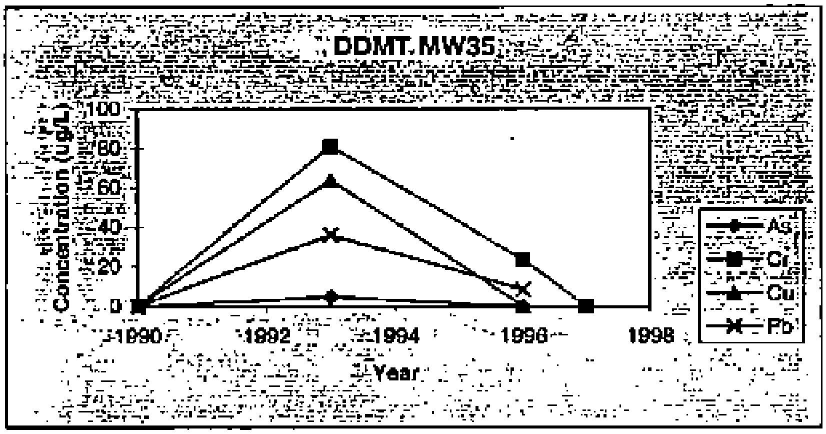


Figure 3.17 Temporal Trends in Metals Concentrations (Continued)

4.0 Conclusions

Based on the groundwater data collected during June 1997, the following conclusions have been drawn:

- 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).
- In June 1997, groundwater elevations underlying Dunn Field were on average 2.18 feet higher and groundwater elevations underlying the main installation were 0.68 foot lower than observed in the February 1996 sampling event. The maximum difference in water elevation was observed in MW-37, where the water level increased 5.19 feet between February 1996 and June 1997. Based on the variability of the water levels and the hydraulic gradients measured in the Fluvial Aquifer, the hydraulic conditions appear to be highly variable and will be important in understanding the chemical trends observed in this aquifer system.
- 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: the lower hydrologic boundary of the water-table aquifer system.
- 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. There is groundwater movement away from the site (northwest flow) along the northwestern boundary of the study area. In general, there is a potentiometric low centered around MW-38, and the groundwater hydraulic gradients indicate convergence of flow to this low point.
- Overall, the trend analysis comparing the February 1996 and June 1997 sampling data indicates a moderate increase in organic and inorganic constituents detected in the Fluvial Aquifer. However, the levels observed in the 1997 data are lower than those reported in 1993, indicating temporal trends in the chemical conditions observed at the site.
- The 1997 data confirmed a detection of 2 ug/L of 1,1 dichloroethane in MW-40, a degradation product of DCE which had not previously been reported at this location. 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. Obviously, additional quarterly groundwater data will be required to fully assess the fate and transport of chemicals in this area.
- TCE and PCE were not detected in MW-34 during the 1997 sampling event. Both of these compounds were detected in this well in the February 1996 sampling event.
- TCE was not detected in MW-47 or MW-53 in the June 1997 sampling event; however, it was detected in both of these wells in the February 1996 sampling event. Similarly,

1,1,2,2 PCA was not detected during the 1997 sampling event, but was detected at 420 ug/L in the February 1996 sampling event.

- The 1997 sampling data confirmed the presence of carbon tetrachloride in MW-08, MW-14, and MW-44, whereas this compound was not detected in the 1996 sampling event.
- Based on the 1997 sampling data, geometries of the organic and inorganic contaminant plumes have changed compared to the 1996 plumes. To fully assess weather these observed changes represent temporal variations, additional quarterly groundwater sampling data are required.
- The most significant change in groundwater chemistry occurred in MW-12, where the concentration of TCE increased from 650 ug/L to 5,900 ug/L between February 1996 and June 1997. During this same period, the concentrations of TCE decreased in MW-31 and MW-35 by 1,100 ug/L and 1,900 ug/L, respectively.
- Additional quarterly 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.
- Inorganic constituents of concern (beryllium, lead, arsenic, chromium, copper, 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 are slightly elevated compared to the 1996 data, as suggested by temporal trend analysis. These trends may be temporal; however, their exact nature cannot be determined until additional groundwater quality data are collected.
- 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 may have resulted in lower sediment concentrations than those of previously collected samples. The turbidity analysis and correlation presented in Section 3.2.3 indicates that there is a positive correlation between sample turbidity and metals concentration.

5.0 References

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U.S. EPA. *U.S. EPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review.* EPA540/R-94/-13. February 1994(b).

TAB

Appendices

Appendix A

QA/QC Summary

APPENDIX A

Data Quality Evaluation Section-DDMT Task 23 Sampling Effort - June 1997

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.

A.1 Introduction

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.

Data package deliverables for DDMT Task 23 were similar to an EPA Level II deliverable. Areas not reviewed included calibrations, instrument tuning, internal standard areas, interference check standards, serial dilutions, postspike recoveries, and calibration blanks. These areas were not reviewed because they are not a part of the Level II data package deliverable. Areas of review included holding time compliance, spiked sample results, surrogate recoveries, field and method blank results, and field duplicate precision results. The data packages were reviewed by the project chemists using applicable sections of 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. A data review worksheet was completed for each data package.

Samples that were not within the acceptance limits were indicated with a qualifying flag, which consists of a single or double-letter abbreviation that indicates a QC non-conformance with the data. Although the qualifying flags originate during the data review and validation process, they are included in the data summary tables so that the data will not be used indiscriminately. The following flags were used in this text:

- U Undetected. Analyte was analyzed for but not detected above the method detection limit.

- UJ Detection limit estimated. Analyte was analyzed for but 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 are greater than the method detection limit (MDL) for organic (or the instrument detection limit [IDL] for inorganics) but less than the contract required detection limit (CRDL) are qualified as estimated, "J", as required by the EPA Functional Guidelines to Evaluating Data Quality.

Once the data review and validation process were completed, the entire data set was reviewed in aggregate 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.

A.2 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 that is prepared in the laboratory prior to the sampling event. The water is stored in 40 mL VOC sample containers, is not opened in the field, and accompanies the field samples back to the laboratory for VOC analysis. This blank is used to monitor the potential for contamination during sample shipment. One trip blank was included in each cooler that contained samples for VOC analysis (a total of six were collected).
- Equipment Rinsate Blank: A sample of the target-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. This blank monitors potential contamination caused by incomplete equipment decontamination. Two equipment rinsate blank s were collected and analyzed during this field effort.
- Field Blank: A sample of the water used to decontaminate equipment, which 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.

Laboratory method blanks were also analyzed. A laboratory method blank is ASTM Type II water that is treated as a sample in that it undergoes the same preparation and 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 samples, or one per analytical batch, whichever was more frequent.

According to the EPA Functional Guidelines, concentrations of common 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. Common contaminants include acetone, methylene chloride, and phthalates. Concentrations of less common contaminants (and elemental analytes) are multiplied by five rather than ten as required by the Functional Guidelines. Blank results were applied globally to the field sample data. Results reported at concentrations less than the maximum blank value multiplied by EPA's ten (or five) times rule were qualified as not detected, "U". Summarized in Table 1 are the target compounds and analytes detected in the field and laboratory QC blanks.

Acetone and methylene chloride are used as extraction solvents in the laboratory and are common laboratory contaminants. Additionally, acetone and 2-butanone are often contaminants associated with equipment rinsate solvents, such as methanol. All field samples were qualified as not detected for all three of these compounds. Thus, acetone, 2-butanone, and methylene chloride can most probably be attributed to field sampling and laboratory contamination.

Phthalates, the most common of which is bis(2-ethylhexyl)phthalate (BEHP), are used as plasticizers and are often introduced into samples during handling. The field samplers wear latex gloves while collecting samples. Additionally, laboratory extractions personnel wear gloves while preparing samples. These latex gloves are coated with plasticizers such as BEHP to facilitate release of the gloves from the skin. Therefore, BEHP and di-n-butylphthalate can be attributed to field sampling and laboratory contamination. Thus, all field sample results were qualified as not detected due to field sampling and laboratory contamination rather than environmental conditions.

In many instances, metals were detected in the field and laboratory blanks at concentrations at, or near, the IDL. Results reported at less than five times the IDL should be considered as false positives due to instrument noise and background shifts. Several elements were reported at concentrations above five times the IDL and are ubiquitous. These elements include calcium, copper, iron, manganese, nickel, and zinc. Zinc is used in the galvanization of steel and as a catalyst in many chemical and/or manufacturing processes. Copper, nickel, manganese, and iron are common elements used alone or as alloys in the construction of pipes, tubing, sinks, faucets, laboratory ventilation hoods, and many other tools or equipment used on a day to day basis. Calcium is a common cation for most "salts" and is frequently found at this level in acids used for sample digestion. Sample values found to be less than five times the maximum blank contaminant level were qualified as not detected.

A.3 Matrix Effects

A.3.1 Surrogate Spike Recovery

Surrogate spike compounds were added to every sample analyzed for the organic parameters, including field and laboratory blanks as well as field environmental samples.

Surrogate spike compounds are the structural homologs of target compounds and are therefore expected to behave in a similar manner during analysis.

Surrogate spike recoveries were used to monitor both laboratory performance and matrix interferences. Surrogate spike recoveries from field and laboratory blanks were used to evaluate laboratory performance because the field blanks represent an "ideal" sample matrix. Surrogate spike recoveries for field samples were used to evaluate the potential for matrix interferences. For field samples, when the surrogate spike recoveries fell outside the method target acceptance windows, the samples were re-analyzed. If the surrogate spike recovery was still outside the acceptance window for the re-analyzed sample, then the sample results were qualified as affected by matrix interferences.

The VOC surrogate recoveries were clustered within a window of about 93 to 113 percent, which is within the method target acceptance limits. A greater variation (and hence broader range of recoveries) for surrogate spike recoveries was observed for the semivolatile (SVOC) organic analyses, but this is typical of this method and is reflected by the broader method target acceptance limits. The SVOC recoveries ranged within 25 to 99 percent, also within method control limits. These results indicate that the specific sample matrix did not interfere with the analytical process or the final numerical sample result.

A.3.2 Matrix Spike Recoveries

For inorganic matrix spikes, three aliquots of a single sample were analyzed: one native sample, one native duplicate, and one sample spiked with target elements. Spike recovery is used to evaluate potential matrix interferences as well as accuracy. Precision is evaluated by the comparison between the native sample and native duplicate results for each target analyte. However, the Level II deliverable does not include laboratory duplicate results. Therefore, laboratory precision cannot be evaluated for these data. Three aliquots of a single sample are also analyzed for organic compounds, utilizing one native and two spiked aliquots. Unlike the surrogate spike compounds, organic matrix spike compounds are found on the method target compound list. Spike recovery is used to evaluate potential matrix interferences as well as accuracy. The duplicate spike results (MS/MSD) are compared to evaluate precision.

Samples are not qualified for organic methods based upon MS/MSD results alone. All MS/MSD recoveries, with the exception of pentachlorophenol in one sample, met method criteria for precision and accuracy. Acid surrogate recoveries associated with the pentachlorophenol MS/MSD exception were within criteria. Thus, no qualifiers were applied to the data based upon organic MS/MSD results. All metallic matrix spike recoveries met control limit criteria. These data indicate that the specific sample matrix did not influence the overall analytical process or the final numerical sample result.

A.4. Field Duplicate Sample Results

Approximately one duplicate field sample was collected for every ten field samples. Both the native and duplicate samples were analyzed for the same parameters. Precision results for water samples outside the 20 percent relative percent difference (RPD) control limit for waters are summarized in Table 2. The majority of these outliers are associated with the metals. The higher RPD values suggest some heterogeneity of the matrix and may be attributed to suspended or settleable solids differences between the samples. Organic values were well within criteria for almost all samples. Data is not qualified based upon field duplicate precision.

A.5. Sample Results for Metals Near the Instrument Detection Limit (IDL)

The samples were analyzed for the EPA CLP TAL list of metals. As stated above, concentrations of metals near the IDL were reported for many of the target metals.

The IDL is the constituent concentration that produces a signal greater than five times the signal/noise ratio of the instrument and is a calculated value rather than an experimentally demonstrated value; therefore, sample results at, or near, the IDL may be caused by instrument noise or low level background shifts rather than a true analyte signal. The sample results were reported in terms of the EPA CLP CRDL. Sample results that were above the IDL, but less than the CRDL, were appended with a "J" qualifier, as an estimated value. The CRDL is an EPA established value and is not associated with the IDL statistically. Accuracy and precision for these methods increase as values approach ten times the IDL.

A.6 PARCCs

Precision–defined as the agreement between duplicate results, and was estimated by comparing duplicate matrix spike recoveries and field duplicate sample results. Agreement between matrix spike recoveries was less than 20 percent RPD. In general, the RPDs between duplicate field sample results for organic compounds were less than 20 percent for water samples, indicating that the sample matrix did not interfere with the overall analytical process. However, field duplicate precision for metals analytes indicated some heterogeneity.

Accuracy–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. More than 95 percent of the spike recoveries were within the method acceptance limits; therefore, there was no evidence of significant matrix interferences which would bias the data high or low.

Representativeness–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–the percentage of measurements that are judged to be valid compared to the total number of measurements made. None of the data (other than reextractions or dilutions) were rejected during the data quality evaluation process; therefore, the goal of 95 percent usable data was met.

Comparability–another qualitative measure designed to express the confidence with which one data set may be compared to another. Factors which affect comparability are: 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 Level 2 QC data are available to support the quality of the data.

B.7 Summary and Conclusions

Conclusions of the data quality evaluation process include:

- The laboratory is assumed to have analyzed the samples according to the EPA methods stated in the work plan.
- Concentrations of acetone, methylene chloride, phthalates (including BEHP, di-n-butylphthalate), and 2-butanone can be attributed to field sampling and laboratory contamination rather than environmental contamination.
- Sample results for metals above the IDL but less than five to ten times the IDL may be attributed to instrument noise and not site-related activities.
- Sample results for organics above the MDL but less than the CRDL should be considered as uncertain but indicative of the presence of that compound at an estimated concentration.
- MS/MSD precision and accuracy results indicate that the specific sample matrix did not interfere with the analytical process.
- Field duplicate sample results for metals indicate some heterogeneity in the matrix.

None of the analytical data (other than dilutions or reextractions) were rejected during the data review and validation process. The data can be used in the project decision-making process without further qualification.

Table 1 - Maximum Contaminant Level Reported in Laboratory and Field Blanks

Contaminant	Units	Highest Concentration	Detection Limit	Source
2-BUTANONE	UG/L	8	10	ERB
ACETONE	UG/L	48	10	ERB
ARSENIC	UG/L	3.68	2.35	Lab Blank
BARIUM	UG/L	0.83	0.18	Field Blank
BERYLLIUM	UG/L	0.18	0.046	ERB
bis(2-ETHYLHEXYL) PHTHALATE	UG/L	5	10	ERB
CADMIUM	UG/L	0.42	0.15	Field Blank
CALCIUM	UG/L	125	8	ERB
CHROMIUM, TOTAL	UG/L	2.85	0.793	Lab Blank
COBALT	UG/L	0.87	0.41	Lab Blank
COPPER	UG/L	3	0.59	ERB
DI-n-BUTYL PHTHALATE	UG/L	4	10	Lab Blank
IRON	UG/L	36.5	1.8	ERB
MAGNESIUM	UG/L	12.9	4.3	ERB
MANGANESE	UG/L	2.2	0.063	ERB
METHYLENE CHLORIDE	UG/L	2	10	Trip Blank
NICKEL	UG/L	4.1	0.44	ERB
SODIUM	UG/L	134	112	ERB
THALLIUM	UG/L	2.8	2.3	Field Blank
ZINC	UG/L	6.91	0.528	Lab Blank

Table 2 - Field Duplicate Precision Outside Control Limits

Sample ID	FD ID	Method	Parameter	Units	Result	FD Result	RPD
MW422	MW422DUP	SW6010	CADMIUM	UG/L	1.3	13.9	165.8%
		SW6010	COPPER	UG/L	31.7	13.3	81.8%
MW392	MW392DUP	SW6010	IRON	UG/L	2210	7330	107.3%
		SW6010	CHROMIUM, TOTAL	UG/L	12.7	41.9	107.0%
		SW6010	NICKEL	UG/L	9.1	28.6	103.4%
		SW6010	ALUMINUM	UG/L	977	2770	95.7%
		SW6010	MANGANESE	UG/L	189	411	74.0%
		SW6010	ZINC	UG/L	68.9	130	61.4%
		SW6010	BARIUM	UG/L	79	129	48.1%
		SW6010	LEAD	UG/L	46.7	60.8	26.2%
MW382	MW382DUP	SW6010	LEAD	UG/L	6.8	19.5	96.6%
		SW6010	IRON	UG/L	1750	4050	79.3%
		SW6010	ALUMINUM	UG/L	653	1500	78.7%
		SW6010	CHROMIUM, TOTAL	UG/L	11.2	25.6	78.3%
		SW6010	BARIUM	UG/L	63.6	124	64.4%
		SW6010	NICKEL	UG/L	11.2	19.9	55.9%
		SW6010	COPPER	UG/L	35.3	50.5	35.4%
		SW6010	ZINC	UG/L	91	119	26.7%
		SW6010	MANGANESE	UG/L	159	198	21.8%
MW362	MW362DUP	SW6010	COPPER	UG/L	44.1	26	51.6%
		SW6010	ALUMINUM	UG/L	4660	3370	32.1%
MW352	MW352DUP	SW8260	1,1,2,2-TETRACHLOROETHANE	UG/L	11	14	24.0%
		SW8260	1,2-DICHLOROETHENE (TOTAL)	UG/L	11	14	24.0%
		SW6010	ALUMINUM	UG/L	306	243	23.0%
		SW8260	TRICHLOROETHYLENE	UG/L	160	200	22.2%
MW142	MW142DUP	SW6010	POTASSIUM	UG/L	2490	1660	40.0%
FD = Field Duplicate							

Appendix B

Analytical Data Summary

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW022	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW022	MW02	1,1,2,2-TETRACHLOROETHANE	SW8260	2	J	UG/L	10
MW022	MW02	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW022	MW02	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW022	MW02	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW022	MW02	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW022	MW02	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW022	MW02	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	97		UG/L	0
MW022	MW02	2-HEXANONE	SW8260	10	U	UG/L	10
MW022	MW02	ACETONE	SW8260	10	U	UG/L	10
MW022	MW02	ALUMINUM	SW6010	15500	=	UG/L	6.1
MW022	MW02	ANTIMONY	SW6010	5.6	U	UG/L	2.4
MW022	MW02	ARSENIC	SW6010	28.8	J	UG/L	2.4
MW022	MW02	BARIUM	SW6010	214	=	UG/L	0.18
MW022	MW02	BENZENE	SW8260	10	U	UG/L	10
MW022	MW02	BERYLLIUM	SW6010	0.4	U	UG/L	0.046
MW022	MW02	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW022	MW02	BROMOFORM	SW8260	10	U	UG/L	10
MW022	MW02	BROMOMETHANE	SW8260	10	U	UG/L	10
MW022	MW02	CADMIUM	SW6010	0.91	U	UG/L	0.15
MW022	MW02	CALCIUM	SW6010	63000	=	UG/L	8
MW022	MW02	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW022	MW02	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW022	MW02	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW022	MW02	CHLOROETHANE	SW8260	10	U	UG/L	10
MW022	MW02	CHLOROFORM	SW8260	10	U	UG/L	10
MW022	MW02	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW022	MW02	CHROMIUM, TOTAL	SW6010	70.3	=	UG/L	0.79
MW022	MW02	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW022	MW02	COBALT	SW6010	18.7	J	UG/L	0.41
MW022	MW02	COPPER	SW6010	23.4	J	UG/L	0.59
MW022	MW02	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW022	MW02	DIBROMOFLUOROMETHANE	SW8260	98		UG/L	0
MW022	MW02	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW022	MW02	IRON	SW6010	34100	=	UG/L	1.8
MW022	MW02	LEAD	SW6010	26.6	J	UG/L	1
MW022	MW02	MAGNESIUM	SW6010	29500	=	UG/L	4.3
MW022	MW02	MANGANESE	SW6010	2380	J	UG/L	0.063
MW022	MW02	MERCURY	SW7470	0.2	=	UG/L	0.06
MW022	MW02	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW022	MW02	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW022	MW02	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW022	MW02	NICKEL	SW6010	49.8	=	UG/L	0.44

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW022	MW02	POTASSIUM	SW6010	5590	=	UG/L	1290
MW022	MW02	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW022	MW02	SILVER	SW6010	0.57	U	UG/L	0.57
MW022	MW02	SODIUM	SW6010	14300	=	UG/L	112
MW022	MW02	STYRENE	SW8260	10	U	UG/L	10
MW022	MW02	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW022	MW02	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW022	MW02	TOLUENE	SW8260	10	U	UG/L	10
MW022	MW02	TOLUENE-D8	SW8260	98		UG/L	0
MW022	MW02	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW022	MW02	Total Xylenes	SW8260	10	U	UG/L	10
MW022	MW02	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW022	MW02	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW022	MW02	VANADIUM	SW6010	39	J	UG/L	0.42
MW022	MW02	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW022	MW02	ZINC	SW6010	45.9	=	UG/L	0.53
MW032	MW03	1,1,1-TRICHLOROETHANE	SW8260	1	J	UG/L	10
MW032	MW03	1,1,2,2-TETRACHLOROETHANE	SW8260	33	=	UG/L	10
MW032	MW03	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW032	MW03	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW032	MW03	1,1-DICHLOROETHENE	SW8260	15	=	UG/L	10
MW032	MW03	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW032	MW03	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW032	MW03	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	102		UG/L	0
MW032	MW03	2-HEXANONE	SW8260	10	U	UG/L	10
MW032	MW03	ACETONE	SW8260	10	U	UG/L	10
MW032	MW03	ALUMINUM	SW6010	23300	=	UG/L	6.1
MW032	MW03	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW032	MW03	ARSENIC	SW6010	33.4	J	UG/L	2.4
MW032	MW03	BARIUM	SW6010	203	=	UG/L	0.18
MW032	MW03	BENZENE	SW8260	10	U	UG/L	10
MW032	MW03	BERYLLIUM	SW6010	4.5	J	UG/L	0.046
MW032	MW03	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW032	MW03	BROMOFORM	SW8260	10	U	UG/L	10
MW032	MW03	BROMOMETHANE	SW8260	10	U	UG/L	10
MW032	MW03	CADMIUM	SW6010	0.96	U	UG/L	0.15
MW032	MW03	CALCIUM	SW6010	24700	=	UG/L	8
MW032	MW03	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW032	MW03	CARBON TETRACHLORIDE	SW8260	2	J	UG/L	10
MW032	MW03	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW032	MW03	CHLOROETHANE	SW8260	10	U	UG/L	10
MW032	MW03	CHLOROFORM	SW8260	17	=	UG/L	10
MW032	MW03	CHLOROMETHANE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW032	MW03	CHROMIUM, TOTAL	SW6010	74.6	=	UG/L	0.79
MW032	MW03	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW032	MW03	COBALT	SW6010	42	J	UG/L	0.41
MW032	MW03	COPPER	SW6010	47.7	=	UG/L	0.59
MW032	MW03	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW032	MW03	DIBROMOFLUOROMETHANE	SW8260	100		UG/L	0
MW032	MW03	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW032	MW03	IRON	SW6010	135000	=	UG/L	1.8
MW032	MW03	LEAD	SW6010	42.2	J	UG/L	1
MW032	MW03	MAGNESIUM	SW6010	12500	=	UG/L	4.3
MW032	MW03	MANGANESE	SW6010	406	J	UG/L	0.063
MW032	MW03	MERCURY	SW7470	0.2	U	UG/L	0.06
MW032	MW03	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW032	MW03	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW032	MW03	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW032	MW03	NICKEL	SW6010	45.7	=	UG/L	0.44
MW032	MW03	NITROGEN, AMMONIA (AS N)	E350.2	0.2	U	MG/L	0.2
MW032	MW03	NITROGEN, NITRATE-NITRITE	E353.2	3.41	=	MG/L	0.1
MW032	MW03	POTASSIUM	SW6010	7080	=	UG/L	1290
MW032	MW03	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW032	MW03	SILVER	SW6010	0.57	U	UG/L	0.57
MW032	MW03	SODIUM	SW6010	17500	=	UG/L	112
MW032	MW03	STYRENE	SW8260	10	U	UG/L	10
MW032	MW03	TETRACHLOROETHYLENE(PCE)	SW8260	33	=	UG/L	10
MW032	MW03	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW032	MW03	TOLUENE	SW8260	10	U	UG/L	10
MW032	MW03	TOLUENE-D8	SW8260	101		UG/L	0
MW032	MW03	TOTAL 1,2-DICHLOROETHENE	SW8260	12	=	UG/L	10
MW032	MW03	TOTAL ORGANIC CARBON	E415.2	3	=	MG/L	1
MW032	MW03	Total Xylenes	SW8260	10	U	UG/L	10
MW032	MW03	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW032	MW03	TRICHLOROETHYLENE (TCE)	SW8260	33	=	UG/L	10
MW032	MW03	VANADIUM	SW6010	126	=	UG/L	0.42
MW032	MW03	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW032	MW03	ZINC	SW6010	130	=	UG/L	0.53
MW042	MW04	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW042	MW04	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW042	MW04	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW042	MW04	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW042	MW04	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW042	MW04	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW042	MW04	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW042	MW04	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	101		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW042	MW04	2-HEXANONE	SW8260	10	U	UG/L	10
MW042	MW04	ACETONE	SW8260	10	U	UG/L	10
MW042	MW04	ALUMINUM	SW6010	105000	J	UG/L	6.1
MW042	MW04	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW042	MW04	ARSENIC	SW6010	107	=	UG/L	2.4
MW042	MW04	BARIUM	SW6010	292	=	UG/L	0.18
MW042	MW04	BENZENE	SW8260	10	U	UG/L	10
MW042	MW04	BERYLLIUM	SW6010	14.9	=	UG/L	0.046
MW042	MW04	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW042	MW04	BROMOFORM	SW8260	10	U	UG/L	10
MW042	MW04	BROMOMETHANE	SW8260	10	U	UG/L	10
MW042	MW04	CADMIUM	SW6010	4.9	J	UG/L	0.15
MW042	MW04	CALCIUM	SW6010	16700	=	UG/L	8
MW042	MW04	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW042	MW04	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW042	MW04	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW042	MW04	CHLOROETHANE	SW8260	10	U	UG/L	10
MW042	MW04	CHLOROFORM	SW8260	1	J	UG/L	10
MW042	MW04	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW042	MW04	CHROMIUM, TOTAL	SW6010	219	=	UG/L	0.79
MW042	MW04	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW042	MW04	COBALT	SW6010	130	=	UG/L	0.41
MW042	MW04	COPPER	SW6010	135	=	UG/L	0.59
MW042	MW04	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW042	MW04	DIBROMOFLUOROMETHANE	SW8260	100		UG/L	0
MW042	MW04	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW042	MW04	IRON	SW6010	432000	=	UG/L	18.4
MW042	MW04	LEAD	SW6010	124	=	UG/L	1
MW042	MW04	MAGNESIUM	SW6010	10100	=	UG/L	4.3
MW042	MW04	MANGANESE	SW6010	1290	=	UG/L	0.063
MW042	MW04	MERCURY	SW7470	0.63	=	UG/L	0.06
MW042	MW04	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW042	MW04	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW042	MW04	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW042	MW04	NICKEL	SW6010	95.6	=	UG/L	0.44
MW042	MW04	POTASSIUM	SW6010	22500	=	UG/L	1290
MW042	MW04	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW042	MW04	SILVER	SW6010	0.57	U	UG/L	0.57
MW042	MW04	SODIUM	SW6010	14600	J	UG/L	112
MW042	MW04	STYRENE	SW8260	10	U	UG/L	10
MW042	MW04	TETRACHLOROETHYLENE(PCE)	SW8260	74	=	UG/L	10
MW042	MW04	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW042	MW04	TOLUENE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW042	MW04	TOLUENE-D8	SW8260	101		UG/L	0
MW042	MW04	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW042	MW04	Total Xylenes	SW8260	10	U	UG/L	10
MW042	MW04	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW042	MW04	TRICHLOROETHYLENE (TCE)	SW8260	2	J	UG/L	10
MW042	MW04	VANADIUM	SW6010	298	=	UG/L	0.42
MW042	MW04	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW042	MW04	ZINC	SW6010	301	=	UG/L	0.53
MW052	MW05	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW052	MW05	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW052	MW05	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW052	MW05	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW052	MW05	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW052	MW05	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW052	MW05	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW052	MW05	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW052	MW05	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW052	MW05	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW052	MW05	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW052	MW05	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	102		UG/L	0
MW052	MW05	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW052	MW05	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW052	MW05	2,4,6-TRIBROMOPHENOL	SW8270	62		UG/L	0
MW052	MW05	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW052	MW05	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW052	MW05	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW052	MW05	2,4-DINITROPHENOL	SW8270	50	U	UG/L	50
MW052	MW05	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW052	MW05	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW052	MW05	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW052	MW05	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW052	MW05	2-FLUOROBIPHENYL	SW8270	73		UG/L	0
MW052	MW05	2-FLUOROPHENOL	SW8270	69		UG/L	0
MW052	MW05	2-HEXANONE	SW8260	10	U	UG/L	10
MW052	MW05	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW052	MW05	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW052	MW05	2-NITROANILINE	SW8270	50	U	UG/L	50
MW052	MW05	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW052	MW05	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW052	MW05	3-NITROANILINE	SW8270	50	U	UG/L	50
MW052	MW05	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW052	MW05	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW052	MW05	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW052	MW05	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW052	MW05	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW052	MW05	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW052	MW05	4-NITROANILINE	SW8270	50	U	UG/L	50
MW052	MW05	4-NITROPHENOL	SW8270	50	UJ	UG/L	50
MW052	MW05	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW052	MW05	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW052	MW05	ACETONE	SW8260	10	U	UG/L	10
MW052	MW06	ALUMINUM	SW6010	12700	=	UG/L	6.1
MW052	MW05	ANTHRACENE	SW8270	10	U	UG/L	10
MW052	MW05	ANTIMONY	SW6010	3.8	U	UG/L	2.4
MW052	MW05	ARSENIC	SW6010	15.7	U	UG/L	2.4
MW052	MW05	BARIUM	SW6010	101	J	UG/L	0.18
MW052	MW05	BENZENE	SW8260	10	U	UG/L	10
MW052	MW05	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW052	MW05	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW052	MW05	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW052	MW05	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW052	MW05	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW052	MW05	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW052	MW05	BERYLLIUM	SW6010	2	J	UG/L	0.046
MW052	MW05	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW052	MW05	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW052	MW05	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW052	MW05	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW052	MW05	BROMOFORM	SW8260	10	U	UG/L	10
MW052	MW05	BROMOMETHANE	SW8260	10	U	UG/L	10
MW052	MW05	CADMIUM	SW6010	0,43	U	UG/L	0,15
MW052	MW05	CALCIUM	SW6010	15700	=	UG/L	8
MW052	MW05	CARBAZOLE	SW8270	10	U	UG/L	10
MW052	MW05	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW052	MW05	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW052	MW05	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW052	MW05	CHLOROETHANE	SW8260	10	U	UG/L	10
MW052	MW05	CHLOROFORM	SW8260	5	J	UG/L	10
MW052	MW05	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW052	MW05	CHROMIUM, TOTAL	SW6010	35.1	=	UG/L	0.79
MW052	MW05	CHRYSENE	SW8270	10	U	UG/L	10
MW052	MW05	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW052	MW05	COBALT	SW6010	15.2	U	UG/L	0.41
MW052	MW05	COPPER	SW6010	19.2	J	UG/L	0.59
MW052	MW05	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW052	MW05	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10

258 86

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW052	MW05	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW052	MW05	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW052	MW05	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW052	MW05	DIBROMOFLUOROMETHANE	SW8260	100		UG/L	0
MW052	MW05	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW052	MW05	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW052	MW05	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW052	MW05	FLUORANTHENE	SW8270	10	U	UG/L	10
MW052	MW05	FLUORENE	SW8270	10	U	UG/L	10
MW052	MW05	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW052	MW05	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW052	MW05	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW052	MW05	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW052	MW05	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW052	MW05	IODIDE (As I)	SM4500	0.5	U	MG/L	0.5
MW052	MW05	IRON	SW6010	53300	=	UG/L	1.8
MW052	MW05	ISOPHORONE	SW8270	10	U	UG/L	10
MW052	MW05	LEAD	SW6010	18.1	J	UG/L	1
MW052	MW05	MAGNESIUM	SW6010	7900	=	UG/L	4.3
MW052	MW05	MANGANESE	SW6010	202	J	UG/L	0.063
MW052	MW05	MERCURY	SW7470	0.35	=	UG/L	0.06
MW052	MW05	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW052	MW05	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW052	MW05	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW052	MW05	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW052	MW05	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW052	MW05	NAPHTHALENE	SW8270	10	U	UG/L	10
MW052	MW05	NICKEL	SW6010	18.5	U	UG/L	0.44
MW052	MW05	NITROBENZENE	SW8270	10	U	UG/L	10
MW052	MW05	NITROBENZENE-D5	SW8270	84		UG/L	0
MW052	MW05	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW052	MW05	pH	E150.1	5.9	=	PH UN	0
MW052	MW05	PHENANTHRENE	SW8270	10	U	UG/L	10
MW052	MW05	PHENOL	SW8270	10	U	UG/L	10
MW052	MW05	PHENOL-D5	SW8270	74		UG/L	0
MW052	MW05	POTASSIUM	SW6010	4590	J	UG/L	1290
MW052	MW05	PYRENE	SW8270	10	U	UG/L	10
MW052	MW05	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW052	MW05	SILVER	SW6010	0.57	U	UG/L	0.57
MW052	MW05	SODIUM	SW6010	29700	=	UG/L	112
MW052	MW05	STYRENE	SW8260	10	U	UG/L	10
MW052	MW05	TERPHENYL-D14	SW8270	76		UG/L	0
MW052	MW05	TETRACHLOROETHYLENE(PCE)	SW8260	48	=	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW052	MW05	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW052	MW05	TOLUENE	SW8260	10	U	UG/L	10
MW052	MW05	TOLUENE-D8	SW8260	103		UG/L	0
MW052	MW05	TOTAL 1,2-DICHLOROETHENE	SW8260	2	J	UG/L	10
MW052	MW05	Total Xylenes	SW8260	10	U	UG/L	10
MW052	MW05	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW052	MW05	TRICHLOROETHYLENE (TCE)	SW8260	8	J	UG/L	10
MW052	MW05	VANADIUM	SW6010	49.6	J	UG/L	0.42
MW052	MW05	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW052	MW05	ZINC	SW6010	57.7	=	UG/L	0.53
MW062	MW06	1,1,1-TRICHLOROETHANE	SW8260	20	U	UG/L	20
MW062	MW06	1,1,2,2-TETRACHLOROETHANE	SW8260	110	=	UG/L	20
MW062	MW06	1,1,2-TRICHLOROETHANE	SW8260	7	J	UG/L	20
MW062	MW06	1,1-DICHLOROETHANE	SW8260	20	U	UG/L	20
MW062	MW06	1,1-DICHLOROETHENE	SW8260	20	U	UG/L	20
MW062	MW06	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW062	MW06	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW062	MW06	1,2-DICHLOROETHANE	SW8260	20	U	UG/L	20
MW062	MW06	1,2-DICHLOROPROPANE	SW8260	20	U	UG/L	20
MW062	MW06	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW062	MW06	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW062	MW06	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	100		UG/L	0
MW062	MW06	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW062	MW06	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW062	MW06	2,4,6-TRIBROMOPHENOL	SW8270	15		UG/L	0
MW062	MW06	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW062	MW06	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW062	MW06	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW062	MW06	2,4-DINITROPHENOL	SW8270	50	U	UG/L	50
MW062	MW06	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW062	MW06	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW062	MW06	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW062	MW06	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW062	MW06	2-FLUOROBIPHENYL	SW8270	66		UG/L	0
MW062	MW06	2-FLUOROPHENOL	SW8270	11		UG/L	0
MW062	MW06	2-HEXANONE	SW8260	20	U	UG/L	20
MW062	MW06	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW062	MW06	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW062	MW06	2-NITROANILINE	SW8270	50	U	UG/L	50
MW062	MW06	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW062	MW06	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW062	MW06	3-NITROANILINE	SW8270	50	U	UG/L	50
MW062	MW06	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW062	MW06	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW062	MW06	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW062	MW06	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW062	MW06	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW062	MW06	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW062	MW06	4-NITROANILINE	SW8270	50	U	UG/L	50
MW062	MW06	4-NITROPHENOL	SW8270	50	UJ	UG/L	50
MW062	MW06	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW062	MW06	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW062	MW06	ACETONE	SW8260	20	U	UG/L	20
MW062	MW06	ALUMINUM	SW6010	420	=	UG/L	6.1
MW062	MW06	ANTHRACENE	SW8270	10	U	UG/L	10
MW062	MW06	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW062	MW06	ARSENIC	SW6010	2.5	U	UG/L	2.4
MW062	MW06	BARIUM	SW6010	279	=	UG/L	0.18
MW062	MW06	BENZENE	SW8260	20	U	UG/L	20
MW062	MW06	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW062	MW06	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW062	MW06	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW062	MW06	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW062	MW06	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW062	MW06	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW062	MW06	BERYLLIUM	SW6010	0.17	U	UG/L	0.046
MW062	MW06	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW062	MW06	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW062	MW06	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW062	MW06	BROMODICHLOROMETHANE	SW8260	20	U	UG/L	20
MW062	MW06	BROMOFORM	SW8260	20	U	UG/L	20
MW062	MW06	BROMOMETHANE	SW8260	20	U	UG/L	20
MW062	MW06	CADMIUM	SW6010	0.8	U	UG/L	0.15
MW062	MW06	CALCIUM	SW6010	132000	=	UG/L	8
MW062	MW06	CARBAZOLE	SW8270	10	U	UG/L	10
MW062	MW06	CARBON DISULFIDE	SW8260	20	U	UG/L	20
MW062	MW06	CARBON TETRACHLORIDE	SW8260	45	=	UG/L	20
MW062	MW06	CHLORIDE (AS CL)	E325.1	305	=	MG/L	20
MW062	MW06	CHLOROBENZENE	SW8260	20	U	UG/L	20
MW062	MW06	CHLOROETHANE	SW8260	20	U	UG/L	20
MW062	MW06	CHLOROFORM	SW8260	16	J	UG/L	20
MW062	MW06	CHLOROMETHANE	SW8260	20	U	UG/L	20
MW062	MW06	CHROMIUM, TOTAL	SW6010	2.8	U	UG/L	0.79
MW062	MW06	CHRYSENE	SW8270	10	U	UG/L	10
MW062	MW06	cis-1,3-DICHLOROPROPENE	SW8260	20	U	UG/L	20
MW062	MW06	COBALT	SW6010	2.3	U	UG/L	0.41

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW062	MW06	COPPER	SW6010	2.8	U	UG/L	0.59
MW062	MW06	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW062	MW06	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW062	MW06	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW062	MW06	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW062	MW06	DIBROMOCHLOROMETHANE	SW8260	20	U	UG/L	20
MW062	MW06	DIBROMOFLUOROMETHANE	SW8260	101		UG/L	0
MW062	MW06	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW062	MW06	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW062	MW06	ETHYLBENZENE	SW8260	20	U	UG/L	20
MW062	MW06	FLUORANTHENE	SW8270	10	U	UG/L	10
MW062	MW06	FLUORENE	SW8270	10	U	UG/L	10
MW062	MW06	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW062	MW06	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW062	MW06	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW062	MW06	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW062	MW06	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW062	MW06	IRON	SW6010	1640	=	UG/L	1.8
MW062	MW06	ISOPHORONE	SW8270	10	U	UG/L	10
MW062	MW06	LEAD	SW6010	3.2	J	UG/L	1
MW062	MW06	MAGNESIUM	SW6010	26800	=	UG/L	4.3
MW062	MW06	MANGANESE	SW6010	3150	J	UG/L	0.063
MW062	MW06	MERCURY	SW7470	0.36	=	UG/L	0.06
MW062	MW06	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	20	U	UG/L	20
MW062	MW06	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	20	U	UG/L	20
MW062	MW06	METHYLENE CHLORIDE	SW8260	20	U	UG/L	20
MW062	MW06	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW062	MW06	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW062	MW06	NAPHTHALENE	SW8270	10	U	UG/L	10
MW062	MW06	NICKEL	SW6010	14.6	U	UG/L	0.44
MW062	MW06	NITROBENZENE	SW8270	10	U	UG/L	10
MW062	MW06	NITROBENZENE-D5	SW8270	75		UG/L	0
MW062	MW06	NITROGEN, AMMONIA (AS N)	E350.2	0.2	U	MG/L	0.2
MW062	MW06	NITROGEN, NITRATE-NITRITE	E353.2	4.16	=	MG/L	0.25
MW062	MW06	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW062	MW06	PHENANTHRENE	SW8270	10	U	UG/L	10
MW062	MW06	PHENOL	SW8270	10	U	UG/L	10
MW062	MW06	PHENOL-D5	SW8270	32		UG/L	0
MW062	MW06	POTASSIUM	SW6010	5200	=	UG/L	1290
MW062	MW06	PYRENE	SW8270	10	U	UG/L	10
MW062	MW06	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW062	MW06	SILVER	SW6010	0.57	U	UG/L	0.57
MW062	MW06	SODIUM	SW6010	28100	=	UG/L	112

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW062	MW06	STYRENE	SW8260	20	U	UG/L	20
MW062	MW06	SULFATE (AS SO4)	E375.4	10.5	=	MG/L	2
MW062	MW06	TERPHENYL-D14	SW8270	69		UG/L	0
MW062	MW06	TETRACHLOROETHYLENE(PCE)	SW8260	4	J	UG/L	20
MW062	MW06	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW062	MW06	TOLUENE	SW8260	20	U	UG/L	20
MW062	MW06	TOLUENE-D8	SW8260	102		UG/L	0
MW062	MW06	TOTAL 1,2-DICHLOROETHENE	SW8260	410	=	UG/L	20
MW062	MW06	TOTAL ORGANIC CARBON	E415.2	5.6	=	MG/L	1
MW062	MW06	Total Xylenes	SW8260	20	U	UG/L	20
MW062	MW06	trans-1,3-DICHLOROPROPENE	SW8260	20	U	UG/L	20
MW062	MW06	TRICHLOROETHYLENE (TCE)	SW8260	260	=	UG/L	20
MW062	MW06	VANADIUM	SW6010	1.4	J	UG/L	0.42
MW062	MW06	VINYL CHLORIDE	SW8260	20	U	UG/L	20
MW062	MW06	ZINC	SW6010	13.4	U	UG/L	0.53
MW072	MW07	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW072	MW07	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW072	MW07	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW072	MW07	1,1-DICHLOROETHANE	SW8260	1	J	UG/L	10
MW072	MW07	1,1-DICHLOROETHENE	SW8260	26	=	UG/L	10
MW072	MW07	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW072	MW07	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW072	MW07	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW072	MW07	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW072	MW07	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW072	MW07	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW072	MW07	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	107		UG/L	0
MW072	MW07	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW072	MW07	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW072	MW07	2,4,6-TRIBROMOPHENOL	SW8270	32		UG/L	0
MW072	MW07	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW072	MW07	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW072	MW07	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW072	MW07	2,4-DINITROPHENOL	SW8270	50	U	UG/L	50
MW072	MW07	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW072	MW07	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW072	MW07	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW072	MW07	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW072	MW07	2-FLUOROBIPHENYL	SW8270	58		UG/L	0
MW072	MW07	2-FLUOROPHENOL	SW8270	54		UG/L	0
MW072	MW07	2-HEXANONE	SW8260	10	U	UG/L	10
MW072	MW07	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW072	MW07	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW072	MW07	2-NITROANILINE	SW8270	50	U	UG/L	50
MW072	MW07	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW072	MW07	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW072	MW07	3-NITROANILINE	SW8270	50	U	UG/L	50
MW072	MW07	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW072	MW07	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW072	MW07	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW072	MW07	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW072	MW07	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW072	MW07	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW072	MW07	4-NITROANILINE	SW8270	50	U	UG/L	50
MW072	MW07	4-NITROPHENOL	SW8270	50	UJ	UG/L	50
MW072	MW07	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW072	MW07	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW072	MW07	ACETONE	SW8260	10	U	UG/L	10
MW072	MW07	ALUMINUM	SW6010	13300	=	UG/L	6.1
MW072	MW07	ANTHRACENE	SW8270	10	U	UG/L	10
MW072	MW07	ANTIMONY	SW6010	7.9	U	UG/L	2.4
MW072	MW07	ARSENIC	SW6010	24.3	J	UG/L	2.4
MW072	MW07	BARIUM	SW6010	122	J	UG/L	0.18
MW072	MW07	BENZENE	SW8260	10	U	UG/L	10
MW072	MW07	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW072	MW07	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW072	MW07	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW072	MW07	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW072	MW07	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW072	MW07	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW072	MW07	BERYLLIUM	SW6010	3.5	J	UG/L	0.046
MW072	MW07	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW072	MW07	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW072	MW07	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW072	MW07	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW072	MW07	BROMOFORM	SW8260	10	U	UG/L	10
MW072	MW07	BROMOMETHANE	SW8260	10	U	UG/L	10
MW072	MW07	CADMIUM	SW6010	0.41	U	UG/L	0.15
MW072	MW07	CALCIUM	SW6010	22000	=	UG/L	8
MW072	MW07	CARBAZOLE	SW8270	10	U	UG/L	10
MW072	MW07	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW072	MW07	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW072	MW07	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW072	MW07	CHLOROETHANE	SW8260	10	U	UG/L	10
MW072	MW07	CHLOROFORM	SW8260	8	J	UG/L	10
MW072	MW07	CHLOROMETHANE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW072	MW07	CHROMIUM, TOTAL	SW6010	48.8	=	UG/L	0.79
MW072	MW07	CHRYSENE	SW8270	10	U	UG/L	10
MW072	MW07	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW072	MW07	COBALT	SW6010	53.3	=	UG/L	0.41
MW072	MW07	COPPER	SW6010	42.5	=	UG/L	0.59
MW072	MW07	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW072	MW07	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW072	MW07	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW072	MW07	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW072	MW07	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW072	MW07	DIBROMOFLUOROMETHANE	SW8260	105		UG/L	0
MW072	MW07	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW072	MW07	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW072	MW07	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW072	MW07	FLUORANTHENE	SW8270	10	U	UG/L	10
MW072	MW07	FLUORENE	SW8270	10	U	UG/L	10
MW072	MW07	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW072	MW07	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW072	MW07	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW072	MW07	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW072	MW07	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW072	MW07	IRON	SW6010	97500	=	UG/L	1.8
MW072	MW07	ISOPHORONE	SW8270	10	U	UG/L	10
MW072	MW07	LEAD	SW6010	22.7	J	UG/L	1
MW072	MW07	MAGNESIUM	SW6010	10700	=	UG/L	4.3
MW072	MW07	MANGANESE	SW6010	407	J	UG/L	0.063
MW072	MW07	MERCURY	SW7470	0.14	J	UG/L	0.06
MW072	MW07	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW072	MW07	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW072	MW07	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW072	MW07	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW072	MW07	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW072	MW07	NAPHTHALENE	SW8270	10	U	UG/L	10
MW072	MW07	NICKEL	SW6010	29.9	J	UG/L	0.44
MW072	MW07	NITROBENZENE	SW8270	10	U	UG/L	10
MW072	MW07	NITROBENZENE-D5	SW8270	68		UG/L	0
MW072	MW07	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW072	MW07	PHENANTHRENE	SW8270	10	U	UG/L	10
MW072	MW07	PHENOL	SW8270	10	U	UG/L	10
MW072	MW07	PHENOL-D5	SW8270	67		UG/L	0
MW072	MW07	POTASSIUM	SW6010	4980	J	UG/L	1290
MW072	MW07	PYRENE	SW8270	10	U	UG/L	10
MW072	MW07	SELENIUM	SW6010	3.7	U	UG/L	3.7

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW072	MW07	SILVER	SW6010	0.57	U	UG/L	0.57
MW072	MW07	SODIUM	SW6010	20200	=	UG/L	112
MW072	MW07	STYRENE	SW8260	10	U	UG/L	10
MW072	MW07	TERPHENYL-D14	SW8270	72		UG/L	0
MW072	MW07	TETRACHLOROETHYLENE(PCE)	SW8260	32	=	UG/L	10
MW072	MW07	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW072	MW07	TOLUENE	SW8260	10	U	UG/L	10
MW072	MW07	TOLUENE-D8	SW8260	105		UG/L	0
MW072	MW07	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW072	MW07	Total Xylenes	SW8260	10	U	UG/L	10
MW072	MW07	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW072	MW07	TRICHLOROETHYLENE (TCE)	SW8260	16	=	UG/L	10
MW072	MW07	VANADIUM	SW6010	99.7	=	UG/L	0.42
MW072	MW07	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW072	MW07	ZINC	SW6010	84.2	=	UG/L	0.53
MW082	MW08	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW082	MW08	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW082	MW08	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW082	MW08	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW082	MW08	1,1-DICHLOROETHENE	SW8260	12	=	UG/L	10
MW082	MW08	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW082	MW08	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW082	MW08	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW082	MW08	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW082	MW08	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW082	MW08	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW082	MW08	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	103		UG/L	0
MW082	MW08	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW082	MW08	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW082	MW08	2,4,6-TRIBROMOPHENOL	SW8270	62		UG/L	0
MW082	MW08	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW082	MW08	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW082	MW08	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW082	MW08	2,4-DINITROPHENOL	SW8270	50	U	UG/L	50
MW082	MW08	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW082	MW08	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW082	MW08	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW082	MW08	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW082	MW08	2-FLUOROBIPHENYL	SW8270	71		UG/L	0
MW082	MW08	2-FLUOROPHENOL	SW8270	67		UG/L	0
MW082	MW08	2-HEXANONE	SW8260	10	U	UG/L	10
MW082	MW08	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW082	MW08	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW082	MW08	2-NITROANILINE	SW8270	50	U	UG/L	50
MW082	MW08	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW082	MW08	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW082	MW08	3-NITROANILINE	SW8270	50	U	UG/L	50
MW082	MW08	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW082	MW08	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW082	MW08	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW082	MW08	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW082	MW08	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW082	MW08	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW082	MW08	4-NITROANILINE	SW8270	50	U	UG/L	50
MW082	MW08	4-NITROPHENOL	SW8270	50	UJ	UG/L	50
MW082	MW08	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW082	MW08	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW082	MW08	ACETONE	SW8260	10	U	UG/L	10
MW082	MW08	ALUMINUM	SW6010	21600	=	UG/L	6.1
MW082	MW08	ANTHRACENE	SW8270	10	U	UG/L	10
MW082	MW08	ANTIMONY	SW6010	2.9	U	UG/L	2.4
MW082	MW08	ARSENIC	SW6010	16.7	U	UG/L	2.4
MW082	MW08	BARIUM	SW6010	149	J	UG/L	0.18
MW082	MW08	BENZENE	SW8260	10	U	UG/L	10
MW082	MW08	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW082	MW08	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW082	MW08	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW082	MW08	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW082	MW08	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW082	MW08	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW082	MW08	BERYLLIUM	SW6010	1.8	J	UG/L	0.046
MW082	MW08	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW082	MW08	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW082	MW08	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW082	MW08	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW082	MW08	BROMOFORM	SW8260	10	U	UG/L	10
MW082	MW08	BROMOMETHANE	SW8260	10	U	UG/L	10
MW082	MW08	CADMIUM	SW6010	1.6	U	UG/L	0.15
MW082	MW08	CALCIUM	SW6010	17400	=	UG/L	8
MW082	MW08	CARBAZOLE	SW8270	10	U	UG/L	10
MW082	MW08	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW082	MW08	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW082	MW08	CHLORIDE (AS CL)	E325.1	22.6	=	MG/L	1
MW082	MW08	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW082	MW08	CHLOROETHANE	SW8260	10	U	UG/L	10
MW082	MW08	CHLOROFORM	SW8260	10	U	UG/L	10

258 95

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW082	MW08	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW082	MW08	CHROMIUM, TOTAL	SW6010	47.4	=	UG/L	0.79
MW082	MW08	CHRYSENE	SW8270	10	U	UG/L	10
MW082	MW08	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW082	MW08	COBALT	SW6010	23.9	J	UG/L	0.41
MW082	MW08	COPPER	SW6010	55.5	=	UG/L	0.59
MW082	MW08	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW082	MW08	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW082	MW08	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW082	MW08	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW082	MW08	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW082	MW08	DIBROMOFLUOROMETHANE	SW8260	100		UG/L	0
MW082	MW08	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW082	MW08	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW082	MW08	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW082	MW08	FLUORANTHENE	SW8270	10	U	UG/L	10
MW082	MW08	FLUORENE	SW8270	10	U	UG/L	10
MW082	MW08	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW082	MW08	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW082	MW08	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW082	MW08	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW082	MW08	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW082	MW08	IRON	SW6010	67100	=	UG/L	1.8
MW082	MW08	ISOPHORONE	SW8270	10	U	UG/L	10
MW082	MW08	LEAD	SW6010	21.7	J	UG/L	1
MW082	MW08	MAGNESIUM	SW6010	7910	=	UG/L	4.3
MW082	MW08	MANGANESE	SW6010	491	J	UG/L	0.063
MW082	MW08	MERCURY	SW7470	0.18	J	UG/L	0.06
MW082	MW08	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW082	MW08	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW082	MW08	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW082	MW08	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW082	MW08	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW082	MW08	NAPHTHALENE	SW8270	10	U	UG/L	10
MW082	MW08	NICKEL	SW6010	24.3	J	UG/L	0.44
MW082	MW08	NITROBENZENE	SW8270	10	U	UG/L	10
MW082	MW08	NITROBENZENE-D5	SW8270	82		UG/L	0
MW082	MW08	NITROGEN, AMMONIA (AS N)	E350.2	0.2	U	MG/L	0.2
MW082	MW08	NITROGEN, NITRATE-NITRITE	E353.2	1.75	=	MG/L	0.05
MW082	MW08	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW082	MW08	PHENANTHRENE	SW8270	10	U	UG/L	10
MW082	MW08	PHENOL	SW8270	10	U	UG/L	10
MW082	MW08	PHENOL-D5	SW8270	76		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW082	MW08	POTASSIUM	SW6010	5780	=	UG/L	1290
MW082	MW08	PYRENE	SW8270	10	U	UG/L	10
MW082	MW08	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW082	MW08	SILVER	SW6010	0.57	U	UG/L	0.57
MW082	MW08	SODIUM	SW6010	26900	=	UG/L	112
MW082	MW08	STYRENE	SW8260	10	U	UG/L	10
MW082	MW08	SULFATE (AS SO4)	E375.4	35.7	=	MG/L	4
MW082	MW08	TERPHENYL-D14	SW8270	80		UG/L	0
MW082	MW08	TETRACHLOROETHYLENE(PCE)	SW8260	16	=	UG/L	10
MW082	MW08	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW082	MW08	TOLUENE	SW8260	10	U	UG/L	10
MW082	MW08	TOLUENE-D8	SW8260	101		UG/L	0
MW082	MW08	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW082	MW08	TOTAL ORGANIC CARBON	E415.2	3.2	=	MG/L	1
MW082	MW08	Total Xylenes	SW8260	10	U	UG/L	10
MW082	MW08	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW082	MW08	TRICHLOROETHYLENE (TCE)	SW8260	9	J	UG/L	10
MW082	MW08	VANADIUM	SW6010	68.3	=	UG/L	0.42
MW082	MW08	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW082	MW08	ZINC	SW6010	71.7	=	UG/L	0.53
MW092	MW09	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW092	MW09	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW092	MW09	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW092	MW09	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW092	MW09	1,1-DICHLOROETHENE	SW8260	2	J	UG/L	10
MW092	MW09	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW092	MW09	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW092	MW09	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	104		UG/L	0
MW092	MW09	2-HEXANONE	SW8260	10	U	UG/L	10
MW092	MW09	ACETONE	SW8260	10	U	UG/L	10
MW092	MW09	ALUMINUM	SW6010	6400	J	UG/L	6.1
MW092	MW09	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW092	MW09	ARSENIC	SW6010	8.3	J	UG/L	2.4
MW092	MW09	BARIUM	SW6010	115	J	UG/L	0.18
MW092	MW09	BENZENE	SW8260	10	U	UG/L	10
MW092	MW09	BERYLLIUM	SW6010	0.63	J	UG/L	0.046
MW092	MW09	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW092	MW09	BROMOFORM	SW8260	10	U	UG/L	10
MW092	MW09	BROMOMETHANE	SW8260	10	U	UG/L	10
MW092	MW09	CADMIUM	SW6010	15.2	=	UG/L	0.15
MW092	MW09	CALCIUM	SW6010	36100	=	UG/L	8
MW092	MW09	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW092	MW09	CARBON TETRACHLORIDE	SW8260	8	J	UG/L	10

258 97

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW092	MW09	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW092	MW09	CHLOROETHANE	SW8260	10	U	UG/L	10
MW092	MW09	CHLOROFORM	SW8260	5	J	UG/L	10
MW092	MW09	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW092	MW09	CHROMIUM, TOTAL	SW6010	24.4	=	UG/L	0.79
MW092	MW09	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW092	MW09	COBALT	SW6010	11	J	UG/L	0.41
MW092	MW09	COPPER	SW6010	30.8	=	UG/L	0.59
MW092	MW09	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW092	MW09	DIBROMOFLUOROMETHANE	SW8260	99		UG/L	0
MW092	MW09	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW092	MW09	IRON	SW6010	25200	=	UG/L	1.8
MW092	MW09	LEAD	SW6010	24.7	J	UG/L	1
MW092	MW09	MAGNESIUM	SW6010	19000	=	UG/L	4.3
MW092	MW09	MANGANESE	SW6010	341	=	UG/L	0.063
MW092	MW09	MERCURY	SW7470	0.08	U	UG/L	0.06
MW092	MW09	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW092	MW09	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW092	MW09	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW092	MW09	NICKEL	SW6010	11.3	U	UG/L	0.44
MW092	MW09	POTASSIUM	SW6010	3790	J	UG/L	1290
MW092	MW09	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW092	MW09	SILVER	SW6010	0.57	U	UG/L	0.57
MW092	MW09	SODIUM	SW6010	18000	J	UG/L	112
MW092	MW09	STYRENE	SW8260	10	U	UG/L	10
MW092	MW09	TETRACHLOROETHYLENE(PCE)	SW8260	7	J	UG/L	10
MW092	MW09	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW092	MW09	TOLUENE	SW8260	10	U	UG/L	10
MW092	MW09	TOLUENE-D8	SW8260	101		UG/L	0
MW092	MW09	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW092	MW09	Total Xylenes	SW8260	10	U	UG/L	10
MW092	MW09	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW092	MW09	TRICHLOROETHYLENE (TCE)	SW8260	6	J	UG/L	10
MW092	MW09	VANADIUM	SW6010	32.2	J	UG/L	0.42
MW092	MW09	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW092	MW09	ZINC	SW6010	58.9	=	UG/L	0.53
MW102	MW10	1,1,1-TRICHLOROETHANE	SW8260	40	U	UG/L	40
MW102	MW10	1,1,2,2-TETRACHLOROETHANE	SW8260	24	J	UG/L	40
MW102	MW10	1,1,2-TRICHLOROETHANE	SW8260	40	U	UG/L	40
MW102	MW10	1,1-DICHLOROETHANE	SW8260	40	U	UG/L	40
MW102	MW10	1,1-DICHLOROETHENE	SW8260	48	=	UG/L	40
MW102	MW10	1,2-DICHLOROETHANE	SW8260	40	U	UG/L	40
MW102	MW10	1,2-DICHLOROPROPANE	SW8260	40	U	UG/L	40

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW102	MW10	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	103		UG/L	0
MW102	MW10	2-HEXANONE	SW8260	40	U	UG/L	40
MW102	MW10	ACETONE	SW8260	40	U	UG/L	40
MW102	MW10	ALUMINUM	SW6010	754	=	UG/L	6.1
MW102	MW10	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW102	MW10	ARSENIC	SW6010	3.2	U	UG/L	2.4
MW102	MW10	BARIUM	SW6010	112	J	UG/L	0.18
MW102	MW10	BENZENE	SW8260	40	U	UG/L	40
MW102	MW10	BERYLLIUM	SW6010	0.23	U	UG/L	0.046
MW102	MW10	BROMODICHLOROMETHANE	SW8260	40	U	UG/L	40
MW102	MW10	BROMOFORM	SW8260	40	U	UG/L	40
MW102	MW10	BROMOMETHANE	SW8260	40	U	UG/L	40
MW102	MW10	CADMIUM	SW6010	0.56	U	UG/L	0.15
MW102	MW10	CALCIUM	SW6010	25300	=	UG/L	8
MW102	MW10	CARBON DISULFIDE	SW8260	40	U	UG/L	40
MW102	MW10	CARBON TETRACHLORIDE	SW8260	8	J	UG/L	40
MW102	MW10	CHLOROBENZENE	SW8260	40	U	UG/L	40
MW102	MW10	CHLOROETHANE	SW8260	40	U	UG/L	40
MW102	MW10	CHLOROFORM	SW8260	60	=	UG/L	40
MW102	MW10	CHLOROMETHANE	SW8260	40	U	UG/L	40
MW102	MW10	CHROMIUM, TOTAL	SW6010	5	U	UG/L	0.79
MW102	MW10	cis-1,3-DICHLOROPROPENE	SW8260	40	U	UG/L	40
MW102	MW10	COBALT	SW6010	1.4	U	UG/L	0.41
MW102	MW10	COPPER	SW6010	5.6	U	UG/L	0.59
MW102	MW10	DIBROMOCHLOROMETHANE	SW8260	40	U	UG/L	40
MW102	MW10	DIBROMOFLUOROMETHANE	SW8260	101		UG/L	0
MW102	MW10	ETHYLBENZENE	SW8260	40	U	UG/L	40
MW102	MW10	IRON	SW6010	2190	=	UG/L	1.8
MW102	MW10	LEAD	SW6010	3.6	J	UG/L	1
MW102	MW10	MAGNESIUM	SW6010	12500	=	UG/L	4.3
MW102	MW10	MANGANESE	SW6010	22.2	J	UG/L	0.063
MW102	MW10	MERCURY	SW7470	0.06	J	UG/L	0.06
MW102	MW10	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	40	U	UG/L	40
MW102	MW10	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	40	U	UG/L	40
MW102	MW10	METHYLENE CHLORIDE	SW8260	40	U	UG/L	40
MW102	MW10	NICKEL	SW6010	5.5	U	UG/L	0.44
MW102	MW10	POTASSIUM	SW6010	2750	J	UG/L	1290
MW102	MW10	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW102	MW10	SILVER	SW6010	0.57	U	UG/L	0.57
MW102	MW10	SODIUM	SW6010	26000	=	UG/L	112
MW102	MW10	STYRENE	SW8260	40	U	UG/L	40
MW102	MW10	TETRACHLOROETHYLENE(PCE)	SW8260	110	=	UG/L	40
MW102	MW10	THALLIUM	SW6010	2.3	U	UG/L	2.3

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW102	MW10	TOLUENE	SW8260	40	U	UG/L	40
MW102	MW10	TOLUENE-D8	SW8260	101		UG/L	0
MW102	MW10	TOTAL 1,2-DICHLOROETHENE	SW8260	280	=	UG/L	40
MW102	MW10	Total Xylenes	SW8260	40	U	UG/L	40
MW102	MW10	trans-1,3-DICHLOROPROPENE	SW8260	40	U	UG/L	40
MW102	MW10	TRICHLOROETHYLENE (TCE)	SW8260	450	=	UG/L	40
MW102	MW10	VANADIUM	SW6010	2.3	J	UG/L	0.42
MW102	MW10	VINYL CHLORIDE	SW8260	40	U	UG/L	40
MW102	MW10	ZINC	SW6010	14.9	U	UG/L	0.53
MW112	MW11	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW112	MW11	1,1,2,2-TETRACHLOROETHANE	SW8260	9	J	UG/L	10
MW112	MW11	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW112	MW11	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW112	MW11	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW112	MW11	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW112	MW11	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW112	MW11	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	104		UG/L	0
MW112	MW11	2-HEXANONE	SW8260	10	U	UG/L	10
MW112	MW11	ACETONE	SW8260	10	U	UG/L	10
MW112	MW11	ALUMINUM	SW6010	2650	=	UG/L	6.1
MW112	MW11	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW112	MW11	ARSENIC	SW6010	2.4	U	UG/L	2.4
MW112	MW11	BARIUM	SW6010	96	J	UG/L	0.18
MW112	MW11	BENZENE	SW8260	10	U	UG/L	10
MW112	MW11	BERYLLIUM	SW6010	0.4	U	UG/L	0.046
MW112	MW11	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW112	MW11	BROMOFORM	SW8260	10	U	UG/L	10
MW112	MW11	BROMOMETHANE	SW8260	10	U	UG/L	10
MW112	MW11	CADMIUM	SW6010	11.9	=	UG/L	0.15
MW112	MW11	CALCIUM	SW6010	14500	=	UG/L	8
MW112	MW11	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW112	MW11	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW112	MW11	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW112	MW11	CHLOROETHANE	SW8260	10	U	UG/L	10
MW112	MW11	CHLOROFORM	SW8260	2	J	UG/L	10
MW112	MW11	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW112	MW11	CHROMIUM, TOTAL	SW6010	9.5	U	UG/L	0.79
MW112	MW11	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW112	MW11	COBALT	SW6010	9	J	UG/L	0.41
MW112	MW11	COPPER	SW6010	20.2	J	UG/L	0.59
MW112	MW11	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW112	MW11	DIBROMOFLUOROMETHANE	SW8260	102		UG/L	0
MW112	MW11	ETHYLBENZENE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW112	MW11	IODIDE (As I)	SM4500	0.5	U	MG/L	0.5
MW112	MW11	IRON	SW6010	9810	=	UG/L	1.8
MW112	MW11	LEAD	SW6010	6.3	J	UG/L	1
MW112	MW11	MAGNESIUM	SW6010	7040	=	UG/L	4.3
MW112	MW11	MANGANESE	SW6010	218	J	UG/L	0.063
MW112	MW11	MERCURY	SW7470	0.08	J	UG/L	0.06
MW112	MW11	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW112	MW11	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW112	MW11	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW112	MW11	NICKEL	SW6010	8.5	U	UG/L	0.44
MW112	MW11	pH	E150.1	6.1	=	PH UN	0
MW112	MW11	POTASSIUM	SW6010	3120	J	UG/L	1290
MW112	MW11	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW112	MW11	SILVER	SW6010	0.57	U	UG/L	0.57
MW112	MW11	SODIUM	SW6010	16800	=	UG/L	112
MW112	MW11	STYRENE	SW8260	10	U	UG/L	10
MW112	MW11	TETRACHLOROETHYLENE(PCE)	SW8260	10	=	UG/L	10
MW112	MW11	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW112	MW11	TOLUENE	SW8260	10	U	UG/L	10
MW112	MW11	TOLUENE-D8	SW8260	104		UG/L	0
MW112	MW11	TOTAL 1,2-DICHLOROETHENE	SW8260	34	=	UG/L	10
MW112	MW11	Total Xylenes	SW8260	10	U	UG/L	10
MW112	MW11	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW112	MW11	TRICHLOROETHYLENE (TCE)	SW8260	38	=	UG/L	10
MW112	MW11	VANADIUM	SW6010	10.3	J	UG/L	0.42
MW112	MW11	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW112	MW11	ZINC	SW6010	25.8	U	UG/L	0.53
MW122	MW12	1,1,1-TRICHLOROETHANE	SW8260	400	U	UG/L	400
MW122	MW12	1,1,2,2-TETRACHLOROETHANE	SW8260	540	=	UG/L	400
MW122	MW12	1,1,2-TRICHLOROETHANE	SW8260	400	U	UG/L	400
MW122	MW12	1,1-DICHLOROETHANE	SW8260	400	U	UG/L	400
MW122	MW12	1,1-DICHLOROETHENE	SW8260	400	U	UG/L	400
MW122	MW12	1,2-DICHLOROETHANE	SW8260	400	U	UG/L	400
MW122	MW12	1,2-DICHLOROPROPANE	SW8260	400	U	UG/L	400
MW122	MW12	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	105		UG/L	0
MW122	MW12	2-HEXANONE	SW8260	400	U	UG/L	400
MW122	MW12	ACETONE	SW8260	400	U	UG/L	400
MW122	MW12	ALUMINUM	SW6010	2320	=	UG/L	6.1
MW122	MW12	ANTIMONY	SW6010	2.8	U	UG/L	2.4
MW122	MW12	ARSENIC	SW6010	4.4	U	UG/L	2.4
MW122	MW12	BARIUM	SW6010	69.7	J	UG/L	0.18
MW122	MW12	BENZENE	SW8260	400	U	UG/L	400
MW122	MW12	BERYLLIUM	SW6010	0.56	U	UG/L	0.046

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW122	MW12	BROMODICHLOROMETHANE	SW8260	400	U	UG/L	400
MW122	MW12	BROMOFORM	SW8260	400	U	UG/L	400
MW122	MW12	BROMOMETHANE	SW8260	400	U	UG/L	400
MW122	MW12	CADMIUM	SW6010	1.4	U	UG/L	0.15
MW122	MW12	CALCIUM	SW6010	13300	=	UG/L	8
MW122	MW12	CARBON DISULFIDE	SW8260	400	U	UG/L	400
MW122	MW12	CARBON TETRACHLORIDE	SW8260	400	U	UG/L	400
MW122	MW12	CHLOROBENZENE	SW8260	400	U	UG/L	400
MW122	MW12	CHLOROETHANE	SW8260	400	U	UG/L	400
MW122	MW12	CHLOROFORM	SW8260	400	U	UG/L	400
MW122	MW12	CHLOROMETHANE	SW8260	400	U	UG/L	400
MW122	MW12	CHROMIUM, TOTAL	SW6010	18.9	=	UG/L	0.79
MW122	MW12	cis-1,3-DICHLOROPROPENE	SW8260	400	U	UG/L	400
MW122	MW12	COBALT	SW6010	11.8	J	UG/L	0.41
MW122	MW12	COPPER	SW6010	6.3	U	UG/L	0.59
MW122	MW12	DIBROMOCHLOROMETHANE	SW8260	400	U	UG/L	400
MW122	MW12	DIBROMOFLUOROMETHANE	SW8260	105		UG/L	0
MW122	MW12	ETHYLBENZENE	SW8260	400	U	UG/L	400
MW122	MW12	IRON	SW6010	14400	=	UG/L	1.8
MW122	MW12	LEAD	SW6010	5.7	J	UG/L	1
MW122	MW12	MAGNESIUM	SW6010	6620	=	UG/L	4.3
MW122	MW12	MANGANESE	SW6010	159	J	UG/L	0.063
MW122	MW12	MERCURY	SW7470	0.07	J	UG/L	0.06
MW122	MW12	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	410	U	UG/L	400
MW122	MW12	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	400	U	UG/L	400
MW122	MW12	METHYLENE CHLORIDE	SW8260	400	U	UG/L	400
MW122	MW12	NICKEL	SW6010	16.5	U	UG/L	0.44
MW122	MW12	POTASSIUM	SW6010	1410	J	UG/L	1290
MW122	MW12	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW122	MW12	SILVER	SW6010	0.57	U	UG/L	0.57
MW122	MW12	SODIUM	SW6010	16900	=	UG/L	112
MW122	MW12	STYRENE	SW8260	400	U	UG/L	400
MW122	MW12	TETRACHLOROETHYLENE(PCE)	SW8260	74	J	UG/L	400
MW122	MW12	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW122	MW12	TOLUENE	SW8260	400	U	UG/L	400
MW122	MW12	TOLUENE-D8	SW8260	106		UG/L	0
MW122	MW12	TOTAL 1,2-DICHLOROETHENE	SW8260	350	J	UG/L	400
MW122	MW12	Total Xylenes	SW8260	54	J	UG/L	400
MW122	MW12	trans-1,3-DICHLOROPROPENE	SW8260	400	U	UG/L	400
MW122	MW12	TRICHLOROETHYLENE (TCE)	SW8260	5900	=	UG/L	400
MW122	MW12	VANADIUM	SW6010	10.3	J	UG/L	0.42
MW122	MW12	VINYL CHLORIDE	SW8260	400	U	UG/L	400
MW122	MW12	ZINC	SW6010	23.9	U	UG/L	0.53

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW132	MW13	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW132	MW13	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW132	MW13	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW132	MW13	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW132	MW13	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW132	MW13	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW132	MW13	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW132	MW13	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW132	MW13	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW132	MW13	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW132	MW13	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW132	MW13	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	107		UG/L	0
MW132	MW13	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW132	MW13	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW132	MW13	2,4,6-TRIBROMOPHENOL	SW8270	58		UG/L	0
MW132	MW13	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW132	MW13	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW132	MW13	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW132	MW13	2,4-DINITROPHENOL	SW8270	50	UJ	UG/L	50
MW132	MW13	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW132	MW13	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW132	MW13	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW132	MW13	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW132	MW13	2-FLUOROBIPHENYL	SW8270	67		UG/L	0
MW132	MW13	2-FLUOROPHENOL	SW8270	70		UG/L	0
MW132	MW13	2-HEXANONE	SW8260	10	U	UG/L	10
MW132	MW13	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW132	MW13	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW132	MW13	2-NITROANILINE	SW8270	50	U	UG/L	50
MW132	MW13	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW132	MW13	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW132	MW13	3-NITROANILINE	SW8270	50	U	UG/L	50
MW132	MW13	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW132	MW13	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW132	MW13	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW132	MW13	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW132	MW13	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW132	MW13	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW132	MW13	4-NITROANILINE	SW8270	50	UJ	UG/L	50
MW132	MW13	4-NITROPHENOL	SW8270	50	UJ	UG/L	50
MW132	MW13	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW132	MW13	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW132	MW13	ACETONE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW132	MW13	ALUMINUM	SW6010	5640	J	UG/L	6.1
MW132	MW13	ANTHRACENE	SW8270	10	U	UG/L	10
MW132	MW13	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW132	MW13	ARSENIC	SW6010	9.4	J	UG/L	2.4
MW132	MW13	BARIUM	SW6010	71.5	J	UG/L	0.18
MW132	MW13	BENZENE	SW8260	10	U	UG/L	10
MW132	MW13	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW132	MW13	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW132	MW13	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW132	MW13	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW132	MW13	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW132	MW13	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW132	MW13	BERYLLIUM	SW6010	0.82	J	UG/L	0.046
MW132	MW13	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW132	MW13	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW132	MW13	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW132	MW13	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW132	MW13	BROMOFORM	SW8260	10	U	UG/L	10
MW132	MW13	BROMOMETHANE	SW8260	10	U	UG/L	10
MW132	MW13	CADMIUM	SW6010	5.4	=	UG/L	0.15
MW132	MW13	CALCIUM	SW6010	12300	=	UG/L	8
MW132	MW13	CARBAZOLE	SW8270	10	U	UG/L	10
MW132	MW13	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW132	MW13	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW132	MW13	CHLORIDE (AS CL)	E325.1	10.9	=	MG/L	1
MW132	MW13	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW132	MW13	CHLOROETHANE	SW8260	10	U	UG/L	10
MW132	MW13	CHLOROFORM	SW8260	10	U	UG/L	10
MW132	MW13	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW132	MW13	CHROMIUM, TOTAL	SW6010	15.1	=	UG/L	0.79
MW132	MW13	CHRYSENE	SW8270	10	U	UG/L	10
MW132	MW13	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW132	MW13	COBALT	SW6010	13.2	U	UG/L	0.41
MW132	MW13	COPPER	SW6010	34.6	=	UG/L	0.59
MW132	MW13	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW132	MW13	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW132	MW13	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW132	MW13	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW132	MW13	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW132	MW13	DIBROMOFLUOROMETHANE	SW8260	106		UG/L	0
MW132	MW13	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW132	MW13	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW132	MW13	ETHYLBENZENE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW132	MW13	FLUORANTHENE	SW8270	10	U	UG/L	10
MW132	MW13	FLUORENE	SW8270	10	U	UG/L	10
MW132	MW13	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW132	MW13	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW132	MW13	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW132	MW13	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW132	MW13	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW132	MW13	IRON	SW6010	25200	=	UG/L	1.8
MW132	MW13	ISOPHORONE	SW8270	10	U	UG/L	10
MW132	MW13	LEAD	SW6010	12.5	J	UG/L	1
MW132	MW13	MAGNESIUM	SW6010	6240	=	UG/L	4.3
MW132	MW13	MANGANESE	SW6010	177	=	UG/L	0.063
MW132	MW13	MERCURY	SW7470	0.11	J	UG/L	0.06
MW132	MW13	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW132	MW13	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW132	MW13	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW132	MW13	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW132	MW13	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW132	MW13	NAPHTHALENE	SW8270	10	U	UG/L	10
MW132	MW13	NICKEL	SW6010	8.9	U	UG/L	0.44
MW132	MW13	NITROBENZENE	SW8270	10	U	UG/L	10
MW132	MW13	NITROBENZENE-D5	SW8270	73		UG/L	0
MW132	MW13	NITROGEN, AMMONIA (AS N)	E350.2	0.2	U	MG/L	0.2
MW132	MW13	NITROGEN, NITRATE-NITRITE	E353.2	3.77	=	MG/L	0.25
MW132	MW13	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW132	MW13	PHENANTHRENE	SW8270	10	U	UG/L	10
MW132	MW13	PHENOL	SW8270	10	U	UG/L	10
MW132	MW13	PHENOL-D5	SW8270	77		UG/L	0
MW132	MW13	POTASSIUM	SW6010	1290	U	UG/L	1290
MW132	MW13	PYRENE	SW8270	10	U	UG/L	10
MW132	MW13	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW132	MW13	SILVER	SW6010	0.57	U	UG/L	0.57
MW132	MW13	SODIUM	SW6010	18100	J	UG/L	112
MW132	MW13	STYRENE	SW8260	10	U	UG/L	10
MW132	MW13	SULFATE (AS SO4)	E375.4	32	=	MG/L	2
MW132	MW13	TERPHENYL-D14	SW8270	75		UG/L	0
MW132	MW13	TETRACHLOROETHYLENE(PCE)	SW8260	7	J	UG/L	10
MW132	MW13	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW132	MW13	TOLUENE	SW8260	10	U	UG/L	10
MW132	MW13	TOLUENE-D8	SW8260	107		UG/L	0
MW132	MW13	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW132	MW13	TOTAL ORGANIC CARBON	E415.2	18.4	=	MG/L	1
MW132	MW13	Total Xylenes	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW132	MW13	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW132	MW13	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW132	MW13	VANADIUM	SW6010	25.3	J	UG/L	0.42
MW132	MW13	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW132	MW13	ZINC	SW6010	41.6	=	UG/L	0.53
MW142	MW14	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW142	MW14	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW142	MW14	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW142	MW14	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW142	MW14	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW142	MW14	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW142	MW14	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW142	MW14	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW142	MW14	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW142	MW14	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW142	MW14	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW142	MW14	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	103		UG/L	0
MW142	MW14	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW142	MW14	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW142	MW14	2,4,6-TRIBROMOPHENOL	SW8270	73		UG/L	0
MW142	MW14	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW142	MW14	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW142	MW14	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW142	MW14	2,4-DINITROPHENOL	SW8270	50	U	UG/L	50
MW142	MW14	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW142	MW14	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW142	MW14	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW142	MW14	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW142	MW14	2-FLUOROBIPHENYL	SW8270	76		UG/L	0
MW142	MW14	2-FLUOROPHENOL	SW8270	68		UG/L	0
MW142	MW14	2-HEXANONE	SW8260	10	U	UG/L	10
MW142	MW14	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW142	MW14	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW142	MW14	2-NITROANILINE	SW8270	50	U	UG/L	50
MW142	MW14	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW142	MW14	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW142	MW14	3-NITROANILINE	SW8270	50	U	UG/L	50
MW142	MW14	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW142	MW14	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW142	MW14	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW142	MW14	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW142	MW14	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW142	MW14	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW142	MW14	4-NITROANILINE	SW8270	50	U	UG/L	50
MW142	MW14	4-NITROPHENOL	SW8270	50	U	UG/L	50
MW142	MW14	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW142	MW14	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW142	MW14	ACETONE	SW8260	10	U	UG/L	10
MW142	MW14	ALUMINUM	SW6010	5240	J	UG/L	6.1
MW142	MW14	ANTHRACENE	SW8270	10	U	UG/L	10
MW142	MW14	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW142	MW14	ARSENIC	SW6010	10.1	J	UG/L	2.4
MW142	MW14	BARIUM	SW6010	170	J	UG/L	0.18
MW142	MW14	BENZENE	SW8260	10	U	UG/L	10
MW142	MW14	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW142	MW14	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW142	MW14	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW142	MW14	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW142	MW14	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW142	MW14	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW142	MW14	BERYLLIUM	SW6010	0.54	J	UG/L	0.046
MW142	MW14	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW142	MW14	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW142	MW14	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW142	MW14	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW142	MW14	BROMOFORM	SW8260	10	U	UG/L	10
MW142	MW14	BROMOMETHANE	SW8260	10	U	UG/L	10
MW142	MW14	CADMIUM	SW6010	5.6	=	UG/L	0.15
MW142	MW14	CALCIUM	SW6010	18700	=	UG/L	8
MW142	MW14	CARBAZOLE	SW8270	10	U	UG/L	10
MW142	MW14	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW142	MW14	CARBON TETRACHLORIDE	SW8260	1	J	UG/L	10
MW142	MW14	CHLORIDE (AS CL)	E325.1	9.3	=	MG/L	1
MW142	MW14	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW142	MW14	CHLOROETHANE	SW8260	10	U	UG/L	10
MW142	MW14	CHLOROFORM	SW8260	10	U	UG/L	10
MW142	MW14	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW142	MW14	CHROMIUM, TOTAL	SW6010	18.2	=	UG/L	0.79
MW142	MW14	CHRYSENE	SW8270	10	U	UG/L	10
MW142	MW14	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW142	MW14	COBALT	SW6010	17.6	J	UG/L	0.41
MW142	MW14	COPPER	SW6010	10.1	J	UG/L	0.59
MW142	MW14	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW142	MW14	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW142	MW14	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW142	MW14	DIBENZOFURAN	SW8270	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW142	MW14	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW142	MW14	DIBROMOFLUOROMETHANE	SW8260	102		UG/L	0
MW142	MW14	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW142	MW14	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW142	MW14	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW142	MW14	FLUORANTHENE	SW8270	10	U	UG/L	10
MW142	MW14	FLUORENE	SW8270	10	U	UG/L	10
MW142	MW14	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW142	MW14	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW142	MW14	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW142	MW14	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW142	MW14	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW142	MW14	IRON	SW6010	23800	=	UG/L	1.8
MW142	MW14	ISOPHORONE	SW8270	10	U	UG/L	10
MW142	MW14	LEAD	SW6010	13.1	=	UG/L	1
MW142	MW14	MAGNESIUM	SW6010	8890	=	UG/L	4.3
MW142	MW14	MANGANESE	SW6010	419	=	UG/L	0.063
MW142	MW14	MERCURY	SW7470	0.1	U	UG/L	0.06
MW142	MW14	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW142	MW14	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW142	MW14	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW142	MW14	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW142	MW14	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW142	MW14	NAPHTHALENE	SW8270	10	U	UG/L	10
MW142	MW14	NICKEL	SW6010	7.6	J	UG/L	0.44
MW142	MW14	NITROBENZENE	SW8270	10	U	UG/L	10
MW142	MW14	NITROBENZENE-D5	SW8270	84		UG/L	0
MW142	MW14	NITROGEN, AMMONIA (AS N)	E350.2	0.2	<	MG/L	0.2
MW142	MW14	NITROGEN, NITRATE-NITRITE	E353.2	3.53	=	MG/L	0.25
MW142	MW14	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW142	MW14	PHENANTHRENE	SW8270	10	U	UG/L	10
MW142	MW14	PHENOL	SW8270	10	U	UG/L	10
MW142	MW14	PHENOL-D5	SW8270	76		UG/L	0
MW142	MW14	POTASSIUM	SW6010	2490	J	UG/L	1290
MW142	MW14	PYRENE	SW8270	10	U	UG/L	10
MW142	MW14	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW142	MW14	SILVER	SW6010	0.57	U	UG/L	0.57
MW142	MW14	SODIUM	SW6010	10700	J	UG/L	112
MW142	MW14	STYRENE	SW8260	10	U	UG/L	10
MW142	MW14	SULFATE (AS SO4)	E375.4	55.5	=	MG/L	4
MW142	MW14	TERPHENYL-D14	SW8270	81		UG/L	0
MW142	MW14	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW142	MW14	THALLIUM	SW6010	2.3	U	UG/L	2.3

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW142	MW14	TOLUENE	SW8260	10	U	UG/L	10
MW142	MW14	TOLUENE-D8	SW8260	100		UG/L	0
MW142	MW14	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW142	MW14	TOTAL ORGANIC CARBON	E415.2	2.2	=	MG/L	1
MW142	MW14	Total Xylenes	SW8260	10	U	UG/L	10
MW142	MW14	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW142	MW14	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW142	MW14	VANADIUM	SW6010	26.1	J	UG/L	0.42
MW142	MW14	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW142	MW14	ZINC	SW6010	43.3	=	UG/L	0.53
MW152	MW15	1,1,1-TRICHLOROETHANE	SW8260	20	U	UG/L	20
MW152	MW15	1,1,2,2-TETRACHLOROETHANE	SW8260	20	U	UG/L	20
MW152	MW15	1,1,2-TRICHLOROETHANE	SW8260	20	U	UG/L	20
MW152	MW15	1,1-DICHLOROETHANE	SW8260	20	U	UG/L	20
MW152	MW15	1,1-DICHLOROETHENE	SW8260	20	U	UG/L	20
MW152	MW15	1,2-DICHLOROETHANE	SW8260	20	U	UG/L	20
MW152	MW15	1,2-DICHLOROPROPANE	SW8260	20	U	UG/L	20
MW152	MW15	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	112		UG/L	0
MW152	MW15	2-HEXANONE	SW8260	20	U	UG/L	20
MW152	MW15	ACETONE	SW8260	20	U	UG/L	20
MW152	MW15	ALUMINUM	SW6010	11300	J	UG/L	6.1
MW152	MW15	ANTIMONY	SW6010	3.9	J	UG/L	2.4
MW152	MW15	ARSENIC	SW6010	25	J	UG/L	2.4
MW152	MW15	BARIUM	SW6010	133	J	UG/L	0.18
MW152	MW15	BENZENE	SW8260	20	U	UG/L	20
MW152	MW15	BERYLLIUM	SW6010	1.8	J	UG/L	0.046
MW152	MW15	BROMODICHLOROMETHANE	SW8260	20	U	UG/L	20
MW152	MW15	BROMOFORM	SW8260	20	U	UG/L	20
MW152	MW15	BROMOMETHANE	SW8260	20	U	UG/L	20
MW152	MW15	CADMIUM	SW6010	0.71	U	UG/L	0.15
MW152	MW15	CALCIUM	SW6010	14200	=	UG/L	8
MW152	MW15	CARBON DISULFIDE	SW8260	20	U	UG/L	20
MW152	MW15	CARBON TETRACHLORIDE	SW8260	31	=	UG/L	20
MW152	MW15	CHLOROBENZENE	SW8260	20	U	UG/L	20
MW152	MW15	CHLOROETHANE	SW8260	20	U	UG/L	20
MW152	MW15	CHLOROFORM	SW8260	300	=	UG/L	20
MW152	MW15	CHLOROMETHANE	SW8260	20	U	UG/L	20
MW152	MW15	CHROMIUM, TOTAL	SW6010	43.5	=	UG/L	0.79
MW152	MW15	cis-1,3-DICHLOROPROPENE	SW8260	20	U	UG/L	20
MW152	MW15	COBALT	SW6010	31	J	UG/L	0.41
MW152	MW15	COPPER	SW6010	47	=	UG/L	0.59
MW152	MW15	DIBROMOCHLOROMETHANE	SW8260	20	U	UG/L	20
MW152	MW15	DIBROMOFLUOROMETHANE	SW8260	107		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW152	MW15	ETHYLBENZENE	SW8260	20	U	UG/L	20
MW152	MW15	IRON	SW6010	70600	=	UG/L	1.8
MW152	MW15	LEAD	SW6010	23	J	UG/L	1
MW152	MW15	MAGNESIUM	SW6010	6740	=	UG/L	4.3
MW152	MW15	MANGANESE	SW6010	415	=	UG/L	0.063
MW152	MW15	MERCURY	SW7470	0.17	U	UG/L	0.06
MW152	MW15	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	20	U	UG/L	20
MW152	MW15	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	20	U	UG/L	20
MW152	MW15	METHYLENE CHLORIDE	SW8260	20	U	UG/L	20
MW152	MW15	NICKEL	SW6010	20.1	J	UG/L	0.44
MW152	MW15	POTASSIUM	SW6010	4160	J	UG/L	1290
MW152	MW15	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW152	MW15	SILVER	SW6010	0.57	U	UG/L	0.57
MW152	MW15	SODIUM	SW6010	12500	J	UG/L	112
MW152	MW15	STYRENE	SW8260	20	U	UG/L	20
MW152	MW15	TETRACHLOROETHYLENE(PCE)	SW8260	7	J	UG/L	20
MW152	MW15	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW152	MW15	TOLUENE	SW8260	20	U	UG/L	20
MW152	MW15	TOLUENE-D8	SW8260	109		UG/L	0
MW152	MW15	TOTAL 1,2-DICHLOROETHENE	SW8260	8	U	UG/L	20
MW152	MW15	Total Xylenes	SW8260	20	U	UG/L	20
MW152	MW15	trans-1,3-DICHLOROPROPENE	SW8260	20	U	UG/L	20
MW152	MW15	TRICHLOROETHYLENE (TCE)	SW8260	99	=	UG/L	20
MW152	MW15	VANADIUM	SW6010	84.3	=	UG/L	0.42
MW152	MW15	VINYL CHLORIDE	SW8260	20	U	UG/L	20
MW152	MW15	ZINC	SW6010	100	=	UG/L	0.53
MW162	MW16	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW162	MW16	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW162	MW16	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW162	MW16	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW162	MW16	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW162	MW16	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW162	MW16	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW162	MW16	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW162	MW16	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW162	MW16	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW162	MW16	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW162	MW16	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	100		UG/L	0
MW162	MW16	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW162	MW16	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW162	MW16	2,4,6-TRIBROMOPHENOL	SW8270	62		UG/L	0
MW162	MW16	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW162	MW16	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW162	MW16	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW162	MW16	2,4-DINITROPHENOL	SW8270	50	U	UG/L	50
MW162	MW16	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW162	MW16	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW162	MW16	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW162	MW16	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW162	MW16	2-FLUOROBIPHENYL	SW8270	73		UG/L	0
MW162	MW16	2-FLUOROPHENOL	SW8270	68		UG/L	0
MW162	MW16	2-HEXANONE	SW8260	10	U	UG/L	10
MW162	MW16	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW162	MW16	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW162	MW16	2-NITROANILINE	SW8270	50	U	UG/L	50
MW162	MW16	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW162	MW16	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW162	MW16	3-NITROANILINE	SW8270	50	U	UG/L	50
MW162	MW16	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW162	MW16	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW162	MW16	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW162	MW16	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW162	MW16	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW162	MW16	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW162	MW16	4-NITROANILINE	SW8270	50	U	UG/L	50
MW162	MW16	4-NITROPHENOL	SW8270	50	UJ	UG/L	50
MW162	MW16	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW162	MW16	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW162	MW16	ACETONE	SW8260	10	U	UG/L	10
MW162	MW16	ALUMINUM	SW6010	112	J	UG/L	6.1
MW162	MW16	ANTHRACENE	SW8270	10	U	UG/L	10
MW162	MW16	ANTIMONY	SW6010	3.1	U	UG/L	2.4
MW162	MW16	ARSENIC	SW6010	2.4	U	UG/L	2.4
MW162	MW16	BARIUM	SW6010	57.5	J	UG/L	0.18
MW162	MW16	BENZENE	SW8260	10	U	UG/L	10
MW162	MW16	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW162	MW16	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW162	MW16	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW162	MW16	BENZO(g,h,i)PERYLENE	SW8270	10	UJ	UG/L	10
MW162	MW16	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW162	MW16	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW162	MW16	BERYLLIUM	SW6010	0.05	U	UG/L	0.05
MW162	MW16	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW162	MW16	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW162	MW16	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW162	MW16	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW162	MW16	BROMOFORM	SW8260	10	U	UG/L	10
MW162	MW16	BROMOMETHANE	SW8260	10	U	UG/L	10
MW162	MW16	CADMIUM	SW6010	0.15	U	UG/L	0.15
MW162	MW16	CALCIUM	SW6010	43500	=	UG/L	8
MW162	MW16	CARBAZOLE	SW8270	10	U	UG/L	10
MW162	MW16	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW162	MW16	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW162	MW16	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW162	MW16	CHLOROETHANE	SW8260	10	U	UG/L	10
MW162	MW16	CHLOROFORM	SW8260	10	U	UG/L	10
MW162	MW16	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW162	MW16	CHROMIUM, TOTAL	SW6010	1.9	U	UG/L	0.79
MW162	MW16	CHRYSENE	SW8270	10	U	UG/L	10
MW162	MW16	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW162	MW16	COBALT	SW6010	0.41	U	UG/L	0.41
MW162	MW16	COPPER	SW6010	8.1	U	UG/L	0.59
MW162	MW16	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW162	MW16	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW162	MW16	DIBENZ(a,h)ANTHRACENE	SW8270	10	UJ	UG/L	10
MW162	MW16	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW162	MW16	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW162	MW16	DIBROMOFLUOROMETHANE	SW8260	102		UG/L	0
MW162	MW16	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW162	MW16	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW162	MW16	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW162	MW16	FLUORANTHENE	SW8270	10	U	UG/L	10
MW162	MW16	FLUORENE	SW8270	10	U	UG/L	10
MW162	MW16	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW162	MW16	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW162	MW16	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW162	MW16	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW162	MW16	INDENO(1,2,3-c,d)PYRENE	SW8270	10	UJ	UG/L	10
MW162	MW16	IRON	SW6010	117	=	UG/L	1.8
MW162	MW16	ISOPHORONE	SW8270	10	U	UG/L	10
MW162	MW16	LEAD	SW6010	1.5	U	UG/L	1
MW162	MW16	MAGNESIUM	SW6010	18500	=	UG/L	4.3
MW162	MW16	MANGANESE	SW6010	40.9	=	UG/L	0.063
MW162	MW16	MERCURY	SW7470	0.06	U	UG/L	0.06
MW162	MW16	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW162	MW16	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW162	MW16	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW162	MW16	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW162	MW16	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW162	MW16	NAPHTHALENE	SW8270	10	U	UG/L	10
MW162	MW16	NICKEL	SW6010	2.5	U	UG/L	0.44
MW162	MW16	NITROBENZENE	SW8270	10	U	UG/L	10
MW162	MW16	NITROBENZENE-D5	SW8270	83		UG/L	0
MW162	MW16	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW162	MW16	PHENANTHRENE	SW8270	10	U	UG/L	10
MW162	MW16	PHENOL	SW8270	10	U	UG/L	10
MW162	MW16	PHENOL-D5	SW8270	72		UG/L	0
MW162	MW16	POTASSIUM	SW6010	4170	U	UG/L	1290
MW162	MW16	PYRENE	SW8270	10	U	UG/L	10
MW162	MW16	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW162	MW16	SILVER	SW6010	0.57	U	UG/L	0.57
MW162	MW16	SODIUM	SW6010	46000	J	UG/L	112
MW162	MW16	STYRENE	SW8260	10	U	UG/L	10
MW162	MW16	TERPHENYL-D14	SW8270	71		UG/L	0
MW162	MW16	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW162	MW16	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW162	MW16	TOLUENE	SW8260	10	U	UG/L	10
MW162	MW16	TOLUENE-D8	SW8260	103		UG/L	0
MW162	MW16	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW162	MW16	Total Xylenes	SW8260	10	U	UG/L	10
MW162	MW16	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW162	MW16	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW162	MW16	VANADIUM	SW6010	0.44	J	UG/L	0.42
MW162	MW16	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW162	MW16	ZINC	SW6010	10.4	U	UG/L	0.53
MW192	MW19	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW192	MW19	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW192	MW19	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW192	MW19	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW192	MW19	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW192	MW19	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW192	MW19	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW192	MW19	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	102		UG/L	0
MW192	MW19	2-HEXANONE	SW8260	10	U	UG/L	10
MW192	MW19	ACETONE	SW8260	10	U	UG/L	10
MW192	MW19	ALUMINUM	SW6010	1150	J	UG/L	6.1
MW192	MW19	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW192	MW19	ARSENIC	SW6010	4.3	J	UG/L	2.4
MW192	MW19	BARIUM	SW6010	190	J	UG/L	0.18
MW192	MW19	BENZENE	SW8260	10	U	UG/L	10
MW192	MW19	BERYLLIUM	SW6010	0.16	U	UG/L	0.046
MW192	MW19	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW192	MW19	BROMOFORM	SW8260	10	U	UG/L	10
MW192	MW19	BROMOMETHANE	SW8260	10	U	UG/L	10
MW192	MW19	CADMIUM	SW6010	3.2	J	UG/L	0.15
MW192	MW19	CALCIUM	SW6010	12600	=	UG/L	8
MW192	MW19	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW192	MW19	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW192	MW19	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW192	MW19	CHLOROETHANE	SW8260	10	U	UG/L	10
MW192	MW19	CHLOROFORM	SW8260	10	U	UG/L	10
MW192	MW19	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW192	MW19	CHROMIUM, TOTAL	SW6010	8.7	J	UG/L	0.79
MW192	MW19	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW192	MW19	COBALT	SW6010	2	U	UG/L	0.41
MW192	MW19	COPPER	SW6010	25.4	=	UG/L	0.59
MW192	MW19	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW192	MW19	DIBROMOFLUOROMETHANE	SW8260	100		UG/L	0
MW192	MW19	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW192	MW19	IRON	SW6010	4790	=	UG/L	1.8
MW192	MW19	LEAD	SW6010	5.4	=	UG/L	1
MW192	MW19	MAGNESIUM	SW6010	5590	=	UG/L	4.3
MW192	MW19	MANGANESE	SW6010	78.1	=	UG/L	0.063
MW192	MW19	MERCURY	SW7470	0.06	U	UG/L	0.06
MW192	MW19	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW192	MW19	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW192	MW19	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW192	MW19	NICKEL	SW6010	5.7	J	UG/L	0.44
MW192	MW19	POTASSIUM	SW6010	1290	U	UG/L	1290
MW192	MW19	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW192	MW19	SILVER	SW6010	0.57	U	UG/L	0.57
MW192	MW19	SODIUM	SW6010	10800	J	UG/L	112
MW192	MW19	STYRENE	SW8260	10	U	UG/L	10
MW192	MW19	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW192	MW19	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW192	MW19	TOLUENE	SW8260	10	U	UG/L	10
MW192	MW19	TOLUENE-D8	SW8260	101		UG/L	0
MW192	MW19	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW192	MW19	Total Xylenes	SW8260	10	U	UG/L	10
MW192	MW19	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW192	MW19	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW192	MW19	VANADIUM	SW6010	5	J	UG/L	0.42
MW192	MW19	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW192	MW19	ZINC	SW6010	16.7	U	UG/L	0.53
MW202	MW20	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW202	MW20	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW202	MW20	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW202	MW20	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW202	MW20	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW202	MW20	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW202	MW20	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW202	MW20	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW202	MW20	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW202	MW20	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW202	MW20	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW202	MW20	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	103		UG/L	0
MW202	MW20	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW202	MW20	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW202	MW20	2,4,6-TRIBROMOPHENOL	SW8270	64		UG/L	0
MW202	MW20	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW202	MW20	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW202	MW20	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW202	MW20	2,4-DINITROPHENOL	SW8270	50	UJ	UG/L	50
MW202	MW20	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW202	MW20	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW202	MW20	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW202	MW20	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW202	MW20	2-FLUOROBIPHENYL	SW8270	72		UG/L	0
MW202	MW20	2-FLUOROPHENOL	SW8270	72		UG/L	0
MW202	MW20	2-HEXANONE	SW8260	10	U	UG/L	10
MW202	MW20	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW202	MW20	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW202	MW20	2-NITROANILINE	SW8270	50	U	UG/L	50
MW202	MW20	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW202	MW20	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW202	MW20	3-NITROANILINE	SW8270	50	U	UG/L	50
MW202	MW20	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	UJ	UG/L	50
MW202	MW20	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW202	MW20	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW202	MW20	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW202	MW20	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW202	MW20	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW202	MW20	4-NITROANILINE	SW8270	50	U	UG/L	50
MW202	MW20	4-NITROPHENOL	SW8270	50	U	UG/L	50
MW202	MW20	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW202	MW20	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW202	MW20	ACETONE	SW8260	10	U	UG/L	10
MW202	MW20	ALUMINUM	SW6010	4230	J	UG/L	6.1

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW202	MW20	ANTHRACENE	SW8270	10	U	UG/L	10
MW202	MW20	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW202	MW20	ARSENIC	SW6010	6.9	J	UG/L	2.4
MW202	MW20	BARIUM	SW6010	82	J	UG/L	0.18
MW202	MW20	BENZENE	SW8260	10	U	UG/L	10
MW202	MW20	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW202	MW20	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW202	MW20	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW202	MW20	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW202	MW20	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW202	MW20	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW202	MW20	BERYLLIUM	SW6010	0.31	U	UG/L	0.046
MW202	MW20	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW202	MW20	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW202	MW20	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW202	MW20	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW202	MW20	BROMOFORM	SW8260	10	U	UG/L	10
MW202	MW20	BROMOMETHANE	SW8260	10	U	UG/L	10
MW202	MW20	CADMIUM	SW6010	11.9	=	UG/L	0.15
MW202	MW20	CALCIUM	SW6010	20100	=	UG/L	8
MW202	MW20	CARBAZOLE	SW8270	10	U	UG/L	10
MW202	MW20	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW202	MW20	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW202	MW20	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW202	MW20	CHLOROETHANE	SW8260	10	U	UG/L	10
MW202	MW20	CHLOROFORM	SW8260	10	U	UG/L	10
MW202	MW20	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW202	MW20	CHROMIUM, TOTAL	SW6010	8.2	J	UG/L	0.79
MW202	MW20	CHRYSENE	SW8270	10	U	UG/L	10
MW202	MW20	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW202	MW20	COBALT	SW6010	2.8	J	UG/L	0.41
MW202	MW20	COPPER	SW6010	18.3	J	UG/L	0.59
MW202	MW20	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW202	MW20	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW202	MW20	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW202	MW20	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW202	MW20	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW202	MW20	DIBROMOFLUOROMETHANE	SW8260	104		UG/L	0
MW202	MW20	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW202	MW20	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW202	MW20	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW202	MW20	FLUORANTHENE	SW8270	10	U	UG/L	10
MW202	MW20	FLUORENE	SW8270	10	U	UG/L	10

258 116

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW202	MW20	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW202	MW20	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW202	MW20	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW202	MW20	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW202	MW20	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW202	MW20	IRON	SW6010	8670	=	UG/L	1.8
MW202	MW20	ISOPHORONE	SW8270	10	U	UG/L	10
MW202	MW20	LEAD	SW6010	7.1	=	UG/L	1
MW202	MW20	MAGNESIUM	SW6010	7340	=	UG/L	4.3
MW202	MW20	MANGANESE	SW6010	96.5	=	UG/L	0.063
MW202	MW20	MERCURY	SW7470	0.08	U	UG/L	0.06
MW202	MW20	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW202	MW20	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW202	MW20	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW202	MW20	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW202	MW20	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW202	MW20	NAPHTHALENE	SW8270	10	U	UG/L	10
MW202	MW20	NICKEL	SW6010	7.8	J	UG/L	0.44
MW202	MW20	NITROBENZENE	SW8270	10	U	UG/L	10
MW202	MW20	NITROBENZENE-D5	SW8270	83		UG/L	0
MW202	MW20	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW202	MW20	PHENANTHRENE	SW8270	10	U	UG/L	10
MW202	MW20	PHENOL	SW8270	10	U	UG/L	10
MW202	MW20	PHENOL-D5	SW8270	81		UG/L	0
MW202	MW20	POTASSIUM	SW6010	4380	J	UG/L	1290
MW202	MW20	PYRENE	SW8270	10	U	UG/L	10
MW202	MW20	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW202	MW20	SILVER	SW6010	0.57	U	UG/L	0.57
MW202	MW20	SODIUM	SW6010	14000	J	UG/L	112
MW202	MW20	STYRENE	SW8260	10	U	UG/L	10
MW202	MW20	TERPHENYL-D14	SW8270	53		UG/L	0
MW202	MW20	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW202	MW20	THALLIUM	SW6010	2.5	U	UG/L	2.3
MW202	MW20	TOLUENE	SW8260	10	U	UG/L	10
MW202	MW20	TOLUENE-D8	SW8260	106		UG/L	0
MW202	MW20	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW202	MW20	Total Xylenes	SW8260	10	U	UG/L	10
MW202	MW20	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW202	MW20	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW202	MW20	VANADIUM	SW6010	15.6	J	UG/L	0.42
MW202	MW20	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW202	MW20	ZINC	SW6010	25.3	U	UG/L	0.53
MW212	MW21	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW212	MW21	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW212	MW21	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW212	MW21	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW212	MW21	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW212	MW21	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW212	MW21	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW212	MW21	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW212	MW21	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW212	MW21	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW212	MW21	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW212	MW21	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	98		UG/L	0
MW212	MW21	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW212	MW21	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW212	MW21	2,4,6-TRIBROMOPHENOL	SW8270	70		UG/L	0
MW212	MW21	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW212	MW21	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW212	MW21	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW212	MW21	2,4-DINITROPHENOL	SW8270	50	U	UG/L	50
MW212	MW21	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW212	MW21	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW212	MW21	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW212	MW21	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW212	MW21	2-FLUOROBIPHENYL	SW8270	75		UG/L	0
MW212	MW21	2-FLUOROPHENOL	SW8270	75		UG/L	0
MW212	MW21	2-HEXANONE	SW8260	10	U	UG/L	10
MW212	MW21	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW212	MW21	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW212	MW21	2-NITROANILINE	SW8270	50	U	UG/L	50
MW212	MW21	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW212	MW21	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW212	MW21	3-NITROANILINE	SW8270	50	U	UG/L	50
MW212	MW21	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW212	MW21	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW212	MW21	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW212	MW21	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW212	MW21	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW212	MW21	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW212	MW21	4-NITROANILINE	SW8270	50	U	UG/L	50
MW212	MW21	4-NITROPHENOL	SW8270	50	UJ	UG/L	50
MW212	MW21	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW212	MW21	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW212	MW21	ACETONE	SW8260	10	U	UG/L	10
MW212	MW21	ALUMINUM	SW6010	127	U	UG/L	6.1

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW212	MW21	ANTHRACENE	SW8270	10	U	UG/L	10
MW212	MW21	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW212	MW21	ARSENIC	SW6010	2.4	U	UG/L	2.4
MW212	MW21	BARIUM	SW6010	56	J	UG/L	0.18
MW212	MW21	BENZENE	SW8260	10	U	UG/L	10
MW212	MW21	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW212	MW21	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW212	MW21	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW212	MW21	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW212	MW21	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW212	MW21	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW212	MW21	BERYLLIUM	SW6010	0.09	U	UG/L	0.046
MW212	MW21	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW212	MW21	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW212	MW21	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW212	MW21	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW212	MW21	BROMOFORM	SW8260	10	U	UG/L	10
MW212	MW21	BROMOMETHANE	SW8260	10	U	UG/L	10
MW212	MW21	CADMIUM	SW6010	1.3	U	UG/L	0.15
MW212	MW21	CALCIUM	SW6010	15200	=	UG/L	8
MW212	MW21	CARBAZOLE	SW8270	10	U	UG/L	10
MW212	MW21	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW212	MW21	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW212	MW21	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW212	MW21	CHLOROETHANE	SW8260	10	U	UG/L	10
MW212	MW21	CHLOROFORM	SW8260	10	U	UG/L	10
MW212	MW21	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW212	MW21	CHROMIUM, TOTAL	SW6010	3.3	U	UG/L	0.79
MW212	MW21	CHRYSENE	SW8270	10	U	UG/L	10
MW212	MW21	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW212	MW21	COBALT	SW6010	0.71	U	UG/L	0.41
MW212	MW21	COPPER	SW6010	3.4	U	UG/L	0.59
MW212	MW21	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW212	MW21	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW212	MW21	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW212	MW21	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW212	MW21	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW212	MW21	DIBROMOFLUOROMETHANE	SW8260	100		UG/L	0
MW212	MW21	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW212	MW21	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW212	MW21	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW212	MW21	FLUORANTHENE	SW8270	10	U	UG/L	10
MW212	MW21	FLUORENE	SW8270	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW212	MW21	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW212	MW21	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW212	MW21	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW212	MW21	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW212	MW21	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW212	MW21	IRON	SW6010	349	=	UG/L	1.8
MW212	MW21	ISOPHORONE	SW8270	10	U	UG/L	10
MW212	MW21	LEAD	SW6010	2.5	J	UG/L	1
MW212	MW21	MAGNESIUM	SW6010	7970	=	UG/L	4.3
MW212	MW21	MANGANESE	SW6010	4.2	J	UG/L	0.063
MW212	MW21	MERCURY	SW7470	0.06	U	UG/L	0.06
MW212	MW21	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW212	MW21	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW212	MW21	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW212	MW21	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW212	MW21	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW212	MW21	NAPHTHALENE	SW8270	10	U	UG/L	10
MW212	MW21	NICKEL	SW6010	2.6	U	UG/L	0.44
MW212	MW21	NITROBENZENE	SW8270	10	U	UG/L	10
MW212	MW21	NITROBENZENE-D5	SW8270	90		UG/L	0
MW212	MW21	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW212	MW21	PHENANTHRENE	SW8270	10	U	UG/L	10
MW212	MW21	PHENOL	SW8270	10	U	UG/L	10
MW212	MW21	PHENOL-D5	SW8270	82		UG/L	0
MW212	MW21	POTASSIUM	SW6010	1290	U	UG/L	1290
MW212	MW21	PYRENE	SW8270	10	U	UG/L	10
MW212	MW21	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW212	MW21	SILVER	SW6010	0.57	U	UG/L	0.57
MW212	MW21	SODIUM	SW6010	15600	J	UG/L	112
MW212	MW21	STYRENE	SW8260	10	U	UG/L	10
MW212	MW21	TERPHENYL-D14	SW8270	82		UG/L	0
MW212	MW21	TETRACHLOROETHYLENE(PCE)	SW8260	63	=	UG/L	10
MW212	MW21	THALLIUM	SW6010	2.4	U	UG/L	2.3
MW212	MW21	TOLUENE	SW8260	10	U	UG/L	10
MW212	MW21	TOLUENE-D8	SW8260	99		UG/L	0
MW212	MW21	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW212	MW21	Total Xylenes	SW8260	10	U	UG/L	10
MW212	MW21	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW212	MW21	TRICHLOROETHYLENE (TCE)	SW8260	14	=	UG/L	10
MW212	MW21	VANADIUM	SW6010	0.89	J	UG/L	0.42
MW212	MW21	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW212	MW21	ZINC	SW6010	89.8	=	UG/L	0.53
MW222	MW22	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10

258 120

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW222	MW22	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW222	MW22	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW222	MW22	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW222	MW22	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW222	MW22	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW222	MW22	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW222	MW22	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW222	MW22	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW222	MW22	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW222	MW22	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW222	MW22	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	102		UG/L	0
MW222	MW22	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW222	MW22	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW222	MW22	2,4,6-TRIBROMOPHENOL	SW8270	65		UG/L	0
MW222	MW22	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW222	MW22	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW222	MW22	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW222	MW22	2,4-DINITROPHENOL	SW8270	50	U	UG/L	50
MW222	MW22	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW222	MW22	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW222	MW22	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW222	MW22	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW222	MW22	2-FLUOROBIPHENYL	SW8270	57		UG/L	0
MW222	MW22	2-FLUOROPHENOL	SW8270	57		UG/L	0
MW222	MW22	2-HEXANONE	SW8260	10	U	UG/L	10
MW222	MW22	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW222	MW22	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW222	MW22	2-NITROANILINE	SW8270	50	U	UG/L	50
MW222	MW22	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW222	MW22	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW222	MW22	3-NITROANILINE	SW8270	50	U	UG/L	50
MW222	MW22	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW222	MW22	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW222	MW22	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW222	MW22	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW222	MW22	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW222	MW22	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW222	MW22	4-NITROANILINE	SW8270	50	U	UG/L	50
MW222	MW22	4-NITROPHENOL	SW8270	50	UJ	UG/L	50
MW222	MW22	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW222	MW22	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW222	MW22	ACETONE	SW8260	10	U	UG/L	10
MW222	MW22	ALUMINUM	SW6010	2460	J	UG/L	6.1

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW222	MW22	ANTHRACENE	SW8270	10	U	UG/L	10
MW222	MW22	ANTIMONY	SW6010	9.4	U	UG/L	2.4
MW222	MW22	ARSENIC	SW6010	2.4	U	UG/L	2.4
MW222	MW22	BARIUM	SW6010	107	J	UG/L	0.18
MW222	MW22	BENZENE	SW8260	10	U	UG/L	10
MW222	MW22	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW222	MW22	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW222	MW22	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW222	MW22	BENZO(g,h,i)PERYLENE	SW8270	10	UJ	UG/L	10
MW222	MW22	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW222	MW22	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW222	MW22	BERYLLIUM	SW6010	0.2	U	UG/L	0.046
MW222	MW22	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW222	MW22	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW222	MW22	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW222	MW22	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW222	MW22	BROMOFORM	SW8260	10	U	UG/L	10
MW222	MW22	BROMOMETHANE	SW8260	10	U	UG/L	10
MW222	MW22	CADMIUM	SW6010	6.9	=	UG/L	0.15
MW222	MW22	CALCIUM	SW6010	25800	=	UG/L	8
MW222	MW22	CARBAZOLE	SW8270	10	U	UG/L	10
MW222	MW22	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW222	MW22	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW222	MW22	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW222	MW22	CHLOROETHANE	SW8260	10	U	UG/L	10
MW222	MW22	CHLOROFORM	SW8260	10	U	UG/L	10
MW222	MW22	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW222	MW22	CHROMIUM, TOTAL	SW6010	16.8	=	UG/L	0.79
MW222	MW22	CHRYSENE	SW8270	10	U	UG/L	10
MW222	MW22	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW222	MW22	COBALT	SW6010	2.4	U	UG/L	0.41
MW222	MW22	COPPER	SW6010	47.4	=	UG/L	0.59
MW222	MW22	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW222	MW22	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW222	MW22	DIBENZ(a,h)ANTHRACENE	SW8270	10	UJ	UG/L	10
MW222	MW22	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW222	MW22	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW222	MW22	DIBROMOFLUOROMETHANE	SW8260	103		UG/L	0
MW222	MW22	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW222	MW22	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW222	MW22	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW222	MW22	FLUORANTHENE	SW8270	10	U	UG/L	10
MW222	MW22	FLUORENE	SW8270	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW222	MW22	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW222	MW22	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW222	MW22	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW222	MW22	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW222	MW22	INDENO(1,2,3-c,d)PYRENE	SW8270	10	UJ	UG/L	10
MW222	MW22	IRON	SW6010	14600	=	UG/L	1.8
MW222	MW22	ISOPHORONE	SW8270	10	U	UG/L	10
MW222	MW22	LEAD	SW6010	7	U	UG/L	1
MW222	MW22	MAGNESIUM	SW6010	13300	=	UG/L	4.3
MW222	MW22	MANGANESE	SW6010	48.1	=	UG/L	0.063
MW222	MW22	MERCURY	SW7470	0.06	U	UG/L	0.06
MW222	MW22	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW222	MW22	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW222	MW22	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW222	MW22	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW222	MW22	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW222	MW22	NAPHTHALENE	SW8270	10	U	UG/L	10
MW222	MW22	NICKEL	SW6010	6.2	J	UG/L	0.44
MW222	MW22	NITROBENZENE	SW8270	10	U	UG/L	10
MW222	MW22	NITROBENZENE-D5	SW8270	58		UG/L	0
MW222	MW22	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW222	MW22	PHENANTHRENE	SW8270	10	U	UG/L	10
MW222	MW22	PHENOL	SW8270	10	U	UG/L	10
MW222	MW22	PHENOL-D5	SW8270	66		UG/L	0
MW222	MW22	POTASSIUM	SW6010	5410	=	UG/L	1290
MW222	MW22	PYRENE	SW8270	10	U	UG/L	10
MW222	MW22	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW222	MW22	SILVER	SW6010	0.57	U	UG/L	0.57
MW222	MW22	SODIUM	SW6010	40300	J	UG/L	112
MW222	MW22	STYRENE	SW8260	10	U	UG/L	10
MW222	MW22	TERPHENYL-D14	SW8270	65		UG/L	0
MW222	MW22	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW222	MW22	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW222	MW22	TOLUENE	SW8260	10	U	UG/L	10
MW222	MW22	TOLUENE-D8	SW8260	103		UG/L	0
MW222	MW22	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW222	MW22	Total Xylenes	SW8260	10	U	UG/L	10
MW222	MW22	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW222	MW22	TRICHLOROETHYLENE (TCE)	SW8260	2	J	UG/L	10
MW222	MW22	VANADIUM	SW6010	10.2	J	UG/L	0.42
MW222	MW22	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW222	MW22	ZINC	SW6010	35.3	=	UG/L	0.53
MW232	MW23	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW232	MW23	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW232	MW23	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW232	MW23	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW232	MW23	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW232	MW23	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW232	MW23	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW232	MW23	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW232	MW23	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW232	MW23	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW232	MW23	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW232	MW23	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	108		UG/L	0
MW232	MW23	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW232	MW23	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW232	MW23	2,4,6-TRIBROMOPHENOL	SW8270	69		UG/L	0
MW232	MW23	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW232	MW23	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW232	MW23	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW232	MW23	2,4-DINITROPHENOL	SW8270	50	U	UG/L	50
MW232	MW23	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW232	MW23	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW232	MW23	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW232	MW23	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW232	MW23	2-FLUOROBIPHENYL	SW8270	70		UG/L	0
MW232	MW23	2-FLUOROPHENOL	SW8270	67		UG/L	0
MW232	MW23	2-HEXANONE	SW8260	10	U	UG/L	10
MW232	MW23	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW232	MW23	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW232	MW23	2-NITROANILINE	SW8270	50	U	UG/L	50
MW232	MW23	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW232	MW23	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW232	MW23	3-NITROANILINE	SW8270	50	U	UG/L	50
MW232	MW23	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW232	MW23	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW232	MW23	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW232	MW23	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW232	MW23	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW232	MW23	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW232	MW23	4-NITROANILINE	SW8270	50	U	UG/L	50
MW232	MW23	4-NITROPHENOL	SW8270	50	U	UG/L	50
MW232	MW23	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW232	MW23	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW232	MW23	ACETONE	SW8260	10	U	UG/L	10
MW232	MW23	ALUMINUM	SW6010	60.2	J	UG/L	6.1

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW232	MW23	ANTHRACENE	SW8270	10	U	UG/L	10
MW232	MW23	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW232	MW23	ARSENIC	SW6010	3.4	J	UG/L	2.4
MW232	MW23	BARIUM	SW6010	67.9	J	UG/L	0.18
MW232	MW23	BENZENE	SW8260	10	U	UG/L	10
MW232	MW23	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW232	MW23	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW232	MW23	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW232	MW23	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW232	MW23	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW232	MW23	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW232	MW23	BERYLLIUM	SW6010	0.09	U	UG/L	0.046
MW232	MW23	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW232	MW23	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW232	MW23	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW232	MW23	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW232	MW23	BROMOFORM	SW8260	10	U	UG/L	10
MW232	MW23	BROMOMETHANE	SW8260	10	U	UG/L	10
MW232	MW23	CADMIUM	SW6010	0.15	U	UG/L	0.15
MW232	MW23	CALCIUM	SW6010	29200	=	UG/L	8
MW232	MW23	CARBAZOLE	SW8270	10	U	UG/L	10
MW232	MW23	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW232	MW23	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW232	MW23	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW232	MW23	CHLOROETHANE	SW8260	10	U	UG/L	10
MW232	MW23	CHLOROFORM	SW8260	10	U	UG/L	10
MW232	MW23	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW232	MW23	CHROMIUM, TOTAL	SW6010	2.7	U	UG/L	0.79
MW232	MW23	CHRYSENE	SW8270	10	U	UG/L	10
MW232	MW23	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW232	MW23	COBALT	SW6010	0.47	U	UG/L	0.41
MW232	MW23	COPPER	SW6010	0.59	U	UG/L	0.59
MW232	MW23	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW232	MW23	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW232	MW23	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW232	MW23	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW232	MW23	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW232	MW23	DIBROMOFLUOROMETHANE	SW8260	104		UG/L	0
MW232	MW23	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW232	MW23	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW232	MW23	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW232	MW23	FLUORANTHENE	SW8270	10	U	UG/L	10
MW232	MW23	FLUORENE	SW8270	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW232	MW23	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW232	MW23	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW232	MW23	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW232	MW23	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW232	MW23	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW232	MW23	IRON	SW6010	202	=	UG/L	1.8
MW232	MW23	ISOPHORONE	SW8270	10	U	UG/L	10
MW232	MW23	LEAD	SW6010	1.6	U	UG/L	1
MW232	MW23	MAGNESIUM	SW6010	11200	=	UG/L	4.3
MW232	MW23	MANGANESE	SW6010	5.8	U	UG/L	0.063
MW232	MW23	MERCURY	SW7470	0.06	U	UG/L	0.06
MW232	MW23	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW232	MW23	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW232	MW23	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW232	MW23	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW232	MW23	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW232	MW23	NAPHTHALENE	SW8270	10	U	UG/L	10
MW232	MW23	NICKEL	SW6010	1.9	U	UG/L	0.44
MW232	MW23	NITROBENZENE	SW8270	10	U	UG/L	10
MW232	MW23	NITROBENZENE-D5	SW8270	79		UG/L	0
MW232	MW23	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW232	MW23	PHENANTHRENE	SW8270	10	U	UG/L	10
MW232	MW23	PHENOL	SW8270	10	U	UG/L	10
MW232	MW23	PHENOL-D5	SW8270	76		UG/L	0
MW232	MW23	POTASSIUM	SW6010	1960	J	UG/L	1290
MW232	MW23	PYRENE	SW8270	10	U	UG/L	10
MW232	MW23	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW232	MW23	SILVER	SW6010	0.57	U	UG/L	0.57
MW232	MW23	SODIUM	SW6010	14500	J	UG/L	112
MW232	MW23	STYRENE	SW8260	10	U	UG/L	10
MW232	MW23	TERPHENYL-D14	SW8270	74		UG/L	0
MW232	MW23	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW232	MW23	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW232	MW23	TOLUENE	SW8260	10	U	UG/L	10
MW232	MW23	TOLUENE-D8	SW8260	104		UG/L	0
MW232	MW23	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW232	MW23	Total Xylenes	SW8260	10	U	UG/L	10
MW232	MW23	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW232	MW23	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW232	MW23	VANADIUM	SW6010	0.7	J	UG/L	0.42
MW232	MW23	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW232	MW23	ZINC	SW6010	4.6	U	UG/L	0.53
MW242	MW24	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW242	MW24	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW242	MW24	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW242	MW24	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW242	MW24	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW242	MW24	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW242	MW24	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW242	MW24	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW242	MW24	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW242	MW24	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW242	MW24	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW242	MW24	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	105		UG/L	0
MW242	MW24	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW242	MW24	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW242	MW24	2,4,6-TRIBROMOPHENOL	SW8270	84		UG/L	0
MW242	MW24	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW242	MW24	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW242	MW24	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW242	MW24	2,4-DINITROPHENOL	SW8270	50	U	UG/L	50
MW242	MW24	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW242	MW24	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW242	MW24	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW242	MW24	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW242	MW24	2-FLUOROBIPHENYL	SW8270	80		UG/L	0
MW242	MW24	2-FLUOROPHENOL	SW8270	85		UG/L	0
MW242	MW24	2-HEXANONE	SW8260	10	U	UG/L	10
MW242	MW24	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW242	MW24	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW242	MW24	2-NITROANILINE	SW8270	50	U	UG/L	50
MW242	MW24	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW242	MW24	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW242	MW24	3-NITROANILINE	SW8270	50	U	UG/L	50
MW242	MW24	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW242	MW24	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW242	MW24	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW242	MW24	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW242	MW24	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW242	MW24	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW242	MW24	4-NITROANILINE	SW8270	50	UJ	UG/L	50
MW242	MW24	4-NITROPHENOL	SW8270	50	UJ	UG/L	50
MW242	MW24	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW242	MW24	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW242	MW24	ACETONE	SW8260	10	U	UG/L	10
MW242	MW24	ALUMINUM	SW6010	39600	J	UG/L	6.1

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW242	MW24	ANTHRACENE	SW8270	10	U	UG/L	10
MW242	MW24	ANTIMONY	SW6010	5.2	U	UG/L	2.4
MW242	MW24	ARSENIC	SW6010	10.8	J	UG/L	2.4
MW242	MW24	BARIUM	SW6010	252	=	UG/L	0.18
MW242	MW24	BENZENE	SW8260	10	U	UG/L	10
MW242	MW24	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW242	MW24	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW242	MW24	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW242	MW24	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW242	MW24	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW242	MW24	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW242	MW24	BERYLLIUM	SW6010	11.4	=	UG/L	0.046
MW242	MW24	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW242	MW24	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW242	MW24	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW242	MW24	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW242	MW24	BROMOFORM	SW8260	10	U	UG/L	10
MW242	MW24	BROMOMETHANE	SW8260	10	U	UG/L	10
MW242	MW24	CADMIUM	SW6010	1.8	U	UG/L	0.15
MW242	MW24	CALCIUM	SW6010	13800	=	UG/L	8
MW242	MW24	CARBAZOLE	SW8270	10	U	UG/L	10
MW242	MW24	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW242	MW24	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW242	MW24	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW242	MW24	CHLOROETHANE	SW8260	10	U	UG/L	10
MW242	MW24	CHLOROFORM	SW8260	10	U	UG/L	10
MW242	MW24	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW242	MW24	CHROMIUM, TOTAL	SW6010	67.8	=	UG/L	0.79
MW242	MW24	CHRYSENE	SW8270	10	U	UG/L	10
MW242	MW24	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW242	MW24	COBALT	SW6010	108	=	UG/L	0.41
MW242	MW24	COPPER	SW6010	72.3	=	UG/L	0.59
MW242	MW24	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW242	MW24	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW242	MW24	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW242	MW24	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW242	MW24	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW242	MW24	DIBROMOFLUOROMETHANE	SW8260	102		UG/L	0
MW242	MW24	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW242	MW24	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW242	MW24	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW242	MW24	FLUORANTHENE	SW8270	10	U	UG/L	10
MW242	MW24	FLUORENE	SW8270	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW242	MW24	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW242	MW24	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW242	MW24	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW242	MW24	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW242	MW24	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW242	MW24	IRON	SW6010	313000	=	UG/L	18.4
MW242	MW24	ISOPHORONE	SW8270	10	U	UG/L	10
MW242	MW24	LEAD	SW6010	34.5	J	UG/L	1
MW242	MW24	MAGNESIUM	SW6010	7190	=	UG/L	4.3
MW242	MW24	MANGANESE	SW6010	1270	=	UG/L	0.063
MW242	MW24	MERCURY	SW7470	0.63	=	UG/L	0.06
MW242	MW24	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW242	MW24	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW242	MW24	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW242	MW24	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW242	MW24	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW242	MW24	NAPHTHALENE	SW8270	10	U	UG/L	10
MW242	MW24	NICKEL	SW6010	32.2	J	UG/L	0.44
MW242	MW24	NITROBENZENE	SW8270	10	U	UG/L	10
MW242	MW24	NITROBENZENE-D5	SW8270	81		UG/L	0
MW242	MW24	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW242	MW24	PHENANTHRENE	SW8270	10	U	UG/L	10
MW242	MW24	PHENOL	SW8270	10	U	UG/L	10
MW242	MW24	PHENOL-D5	SW8270	90		UG/L	0
MW242	MW24	POTASSIUM	SW6010	10000	=	UG/L	1290
MW242	MW24	PYRENE	SW8270	10	U	UG/L	10
MW242	MW24	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW242	MW24	SILVER	SW6010	0.57	U	UG/L	0.57
MW242	MW24	SODIUM	SW6010	19100	J	UG/L	112
MW242	MW24	STYRENE	SW8260	10	U	UG/L	10
MW242	MW24	TERPHENYL-D14	SW8270	85		UG/L	0
MW242	MW24	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW242	MW24	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW242	MW24	TOLUENE	SW8260	10	U	UG/L	10
MW242	MW24	TOLUENE-D8	SW8260	103		UG/L	0
MW242	MW24	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW242	MW24	Total Xylenes	SW8260	10	U	UG/L	10
MW242	MW24	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW242	MW24	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW242	MW24	VANADIUM	SW6010	148	=	UG/L	0.42
MW242	MW24	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW242	MW24	ZINC	SW6010	174	=	UG/L	0.53
MW252	MW25	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW252	MW25	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW252	MW25	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW252	MW25	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW252	MW25	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW252	MW25	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW252	MW25	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW252	MW25	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW252	MW25	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW252	MW25	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW252	MW25	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW252	MW25	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	101		UG/L	0
MW252	MW25	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW252	MW25	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW252	MW25	2,4,6-TRIBROMOPHENOL	SW8270	62		UG/L	0
MW252	MW25	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW252	MW25	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW252	MW25	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW252	MW25	2,4-DINITROPHENOL	SW8270	50	U	UG/L	50
MW252	MW25	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW252	MW25	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW252	MW25	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW252	MW25	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW252	MW25	2-FLUOROBIPHENYL	SW8270	71		UG/L	0
MW252	MW25	2-FLUOROPHENOL	SW8270	64		UG/L	0
MW252	MW25	2-HEXANONE	SW8260	10	U	UG/L	10
MW252	MW25	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW252	MW25	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW252	MW25	2-NITROANILINE	SW8270	50	U	UG/L	50
MW252	MW25	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW252	MW25	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW252	MW25	3-NITROANILINE	SW8270	50	U	UG/L	50
MW252	MW25	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW252	MW25	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW252	MW25	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW252	MW25	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW252	MW25	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW252	MW25	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW252	MW25	4-NITROANILINE	SW8270	50	U	UG/L	50
MW252	MW25	4-NITROPHENOL	SW8270	50	UJ	UG/L	50
MW252	MW25	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW252	MW25	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW252	MW25	ACETONE	SW8260	10	U	UG/L	10
MW252	MW25	ALUMINUM	SW6010	2860	J	UG/L	6.1

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW252	MW25	ANTHRACENE	SW8270	10	U	UG/L	10
MW252	MW25	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW252	MW25	ARSENIC	SW6010	4.3	J	UG/L	2.4
MW252	MW25	BARIUM	SW6010	135	J	UG/L	0.18
MW252	MW25	BENZENE	SW8260	10	U	UG/L	10
MW252	MW25	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW252	MW25	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW252	MW25	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW252	MW25	BENZO(g,h,i)PERYLENE	SW8270	10	UJ	UG/L	10
MW252	MW25	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW252	MW25	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW252	MW25	BERYLLIUM	SW6010	0.38	U	UG/L	0.046
MW252	MW25	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW252	MW25	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW252	MW25	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW252	MW25	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW252	MW25	BROMOFORM	SW8260	10	U	UG/L	10
MW252	MW25	BROMOMETHANE	SW8260	10	U	UG/L	10
MW252	MW25	CADMIUM	SW6010	2.1	U	UG/L	0.15
MW252	MW25	CALCIUM	SW6010	17900	=	UG/L	8
MW252	MW25	CARBAZOLE	SW8270	10	U	UG/L	10
MW252	MW25	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW252	MW25	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW252	MW25	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW252	MW25	CHLOROETHANE	SW8260	10	U	UG/L	10
MW252	MW25	CHLOROFORM	SW8260	10	U	UG/L	10
MW252	MW25	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW252	MW25	CHROMIUM, TOTAL	SW6010	9.7	J	UG/L	0.79
MW252	MW25	CHRYSENE	SW8270	10	U	UG/L	10
MW252	MW25	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW252	MW25	COBALT	SW6010	13	J	UG/L	0.41
MW252	MW25	COPPER	SW6010	19.4	J	UG/L	0.59
MW252	MW25	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW252	MW25	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW252	MW25	DIBENZ(a,h)ANTHRACENE	SW8270	10	UJ	UG/L	10
MW252	MW25	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW252	MW25	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW252	MW25	DIBROMOFLUOROMETHANE	SW8260	103		UG/L	0
MW252	MW25	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW252	MW25	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW252	MW25	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW252	MW25	FLUORANTHENE	SW8270	10	U	UG/L	10
MW252	MW25	FLUORENE	SW8270	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW252	MW25	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW252	MW25	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW252	MW25	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW252	MW25	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW252	MW25	INDENO(1,2,3-c,d)PYRENE	SW8270	10	UJ	UG/L	10
MW252	MW25	IRON	SW6010	22500	=	UG/L	1.8
MW252	MW25	ISOPHORONE	SW8270	10	U	UG/L	10
MW252	MW25	LEAD	SW6010	7.6	U	UG/L	1
MW252	MW25	MAGNESIUM	SW6010	9580	=	UG/L	4.3
MW252	MW25	MANGANESE	SW6010	648	=	UG/L	0.063
MW252	MW25	MERCURY	SW7470	0.09	U	UG/L	0.06
MW252	MW25	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW252	MW25	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW252	MW25	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW252	MW25	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW252	MW25	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW252	MW25	NAPHTHALENE	SW8270	10	U	UG/L	10
MW252	MW25	NICKEL	SW6010	7.2	J	UG/L	0.44
MW252	MW25	NITROBENZENE	SW8270	10	U	UG/L	10
MW252	MW25	NITROBENZENE-D5	SW8270	74		UG/L	0
MW252	MW25	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW252	MW25	PHENANTHRENE	SW8270	10	U	UG/L	10
MW252	MW25	PHENOL	SW8270	10	U	UG/L	10
MW252	MW25	PHENOL-D5	SW8270	72		UG/L	0
MW252	MW25	POTASSIUM	SW6010	1550	U	UG/L	1290
MW252	MW25	PYRENE	SW8270	10	U	UG/L	10
MW252	MW25	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW252	MW25	SILVER	SW6010	0.57	U	UG/L	0.57
MW252	MW25	SODIUM	SW6010	13400	J	UG/L	112
MW252	MW25	STYRENE	SW8260	10	U	UG/L	10
MW252	MW25	TERPHENYL-D14	SW8270	75		UG/L	0
MW252	MW25	TETRACHLOROETHYLENE(PCE)	SW8260	4	J	UG/L	10
MW252	MW25	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW252	MW25	TOLUENE	SW8260	10	U	UG/L	10
MW252	MW25	TOLUENE-D8	SW8260	104		UG/L	0
MW252	MW25	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW252	MW25	Total Xylenes	SW8260	10	U	UG/L	10
MW252	MW25	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW252	MW25	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW252	MW25	VANADIUM	SW6010	30.9	J	UG/L	0.42
MW252	MW25	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW252	MW25	ZINC	SW6010	19.5	U	UG/L	0.53
MW262	MW26	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW262	MW26	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW262	MW26	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW262	MW26	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW262	MW26	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW262	MW26	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW262	MW26	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW262	MW26	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	102		UG/L	0
MW262	MW26	2-HEXANONE	SW8260	10	U	UG/L	10
MW262	MW26	ACETONE	SW8260	10	U	UG/L	10
MW262	MW26	ALUMINUM	SW6010	5190	J	UG/L	6.1
MW262	MW26	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW262	MW26	ARSENIC	SW6010	8.5	J	UG/L	2.4
MW262	MW26	BARIUM	SW6010	264	=	UG/L	0.18
MW262	MW26	BENZENE	SW8260	10	U	UG/L	10
MW262	MW26	BERYLLIUM	SW6010	1.2	J	UG/L	0.046
MW262	MW26	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW262	MW26	BROMOFORM	SW8260	10	U	UG/L	10
MW262	MW26	BROMOMETHANE	SW8260	10	U	UG/L	10
MW262	MW26	CADMIUM	SW6010	0.37	U	UG/L	0.15
MW262	MW26	CALCIUM	SW6010	21700	=	UG/L	8
MW262	MW26	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW262	MW26	CARBON TETRACHLORIDE	SW8260	4	J	UG/L	10
MW262	MW26	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW262	MW26	CHLOROETHANE	SW8260	10	U	UG/L	10
MW262	MW26	CHLOROFORM	SW8260	1	J	UG/L	10
MW262	MW26	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW262	MW26	CHROMIUM, TOTAL	SW6010	13.6	=	UG/L	0.79
MW262	MW26	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW262	MW26	COBALT	SW6010	14.7	J	UG/L	0.41
MW262	MW26	COPPER	SW6010	38.7	=	UG/L	0.59
MW262	MW26	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW262	MW26	DIBROMOFLUOROMETHANE	SW8260	101		UG/L	0
MW262	MW26	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW262	MW26	IRON	SW6010	47100	=	UG/L	1.8
MW262	MW26	LEAD	SW6010	10.2	J	UG/L	1
MW262	MW26	MAGNESIUM	SW6010	10500	=	UG/L	4.3
MW262	MW26	MANGANESE	SW6010	568	=	UG/L	0.063
MW262	MW26	MERCURY	SW7470	0.13	U	UG/L	0.06
MW262	MW26	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW262	MW26	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW262	MW26	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW262	MW26	NICKEL	SW6010	9.1	U	UG/L	0.44
MW262	MW26	POTASSIUM	SW6010	3520	U	UG/L	1290

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW262	MW26	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW262	MW26	SILVER	SW6010	0.57	U	UG/L	0.57
MW262	MW26	SODIUM	SW6010	30300	J	UG/L	112
MW262	MW26	STYRENE	SW8260	10	U	UG/L	10
MW262	MW26	TETRACHLOROETHYLENE(PCE)	SW8260	12	=	UG/L	10
MW262	MW26	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW262	MW26	TOLUENE	SW8260	10	U	UG/L	10
MW262	MW26	TOLUENE-D8	SW8260	102		UG/L	0
MW262	MW26	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW262	MW26	Total Xylenes	SW8260	10	U	UG/L	10
MW262	MW26	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW262	MW26	TRICHLOROETHYLENE (TCE)	SW8260	2	J	UG/L	10
MW262	MW26	VANADIUM	SW6010	66.1	=	UG/L	0.42
MW262	MW26	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW262	MW26	ZINC	SW6010	58.5	=	UG/L	0.53
MW282	MW28	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW282	MW28	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW282	MW28	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW282	MW28	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW282	MW28	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW282	MW28	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW282	MW28	2,4,6-TRIBROMOPHENOL	SW8270	58		UG/L	0
MW282	MW28	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW282	MW28	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW282	MW28	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW282	MW28	2,4-DINITROPHENOL	SW8270	50	UJ	UG/L	50
MW282	MW28	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW282	MW28	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW282	MW28	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW282	MW28	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW282	MW28	2-FLUOROBIPHENYL	SW8270	67		UG/L	0
MW282	MW28	2-FLUOROPHENOL	SW8270	33		UG/L	0
MW282	MW28	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW282	MW28	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW282	MW28	2-NITROANILINE	SW8270	50	U	UG/L	50
MW282	MW28	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW282	MW28	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW282	MW28	3-NITROANILINE	SW8270	50	U	UG/L	50
MW282	MW28	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	UJ	UG/L	50
MW282	MW28	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW282	MW28	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW282	MW28	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW282	MW28	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW282	MW28	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW282	MW28	4-NITROANILINE	SW8270	50	U	UG/L	50
MW282	MW28	4-NITROPHENOL	SW8270	50	U	UG/L	50
MW282	MW28	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW282	MW28	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW282	MW28	ALUMINUM	SW6010	917	J	UG/L	6.1
MW282	MW28	ANTHRACENE	SW8270	10	U	UG/L	10
MW282	MW28	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW282	MW28	ARSENIC	SW6010	2.8	J	UG/L	2.4
MW282	MW28	BARIUM	SW6010	151	J	UG/L	0.18
MW282	MW28	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW282	MW28	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW282	MW28	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW282	MW28	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW282	MW28	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW282	MW28	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW282	MW28	BERYLLIUM	SW6010	0.41	U	UG/L	0.046
MW282	MW28	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW282	MW28	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW282	MW28	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW282	MW28	CADMIUM	SW6010	11.6	=	UG/L	0.15
MW282	MW28	CALCIUM	SW6010	19000	=	UG/L	8
MW282	MW28	CARBAZOLE	SW8270	10	U	UG/L	10
MW282	MW28	CHROMIUM, TOTAL	SW6010	3.5	U	UG/L	0.79
MW282	MW28	CHRYSENE	SW8270	10	U	UG/L	10
MW282	MW28	COBALT	SW6010	35.8	J	UG/L	0.41
MW282	MW28	COPPER	SW6010	15.9	J	UG/L	0.59
MW282	MW28	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW282	MW28	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW282	MW28	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW282	MW28	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW282	MW28	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW282	MW28	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW282	MW28	FLUORANTHENE	SW8270	10	U	UG/L	10
MW282	MW28	FLUORENE	SW8270	10	U	UG/L	10
MW282	MW28	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW282	MW28	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW282	MW28	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW282	MW28	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW282	MW28	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW282	MW28	IRON	SW6010	3200	=	UG/L	1.8
MW282	MW28	ISOPHORONE	SW8270	10	U	UG/L	10
MW282	MW28	LEAD	SW6010	3.3	=	UG/L	1

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW282	MW28	MAGNESIUM	SW6010	6900	=	UG/L	4.3
MW282	MW28	MANGANESE	SW6010	580	=	UG/L	0.063
MW282	MW28	MERCURY	SW7470	0.11	U	UG/L	0.06
MW282	MW28	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW282	MW28	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW282	MW28	NAPHTHALENE	SW8270	10	U	UG/L	10
MW282	MW28	NICKEL	SW6010	6.2	J	UG/L	0.44
MW282	MW28	NITROBENZENE	SW8270	10	U	UG/L	10
MW282	MW28	NITROBENZENE-D5	SW8270	71		UG/L	0
MW282	MW28	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW282	MW28	PHENANTHRENE	SW8270	10	U	UG/L	10
MW282	MW28	PHENOL	SW8270	10	U	UG/L	10
MW282	MW28	PHENOL-D5	SW8270	25		UG/L	0
MW282	MW28	POTASSIUM	SW6010	1710	J	UG/L	1290
MW282	MW28	PYRENE	SW8270	10	U	UG/L	10
MW282	MW28	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW282	MW28	SILVER	SW6010	0.57	U	UG/L	0.57
MW282	MW28	SODIUM	SW6010	13700	J	UG/L	112
MW282	MW28	TERPHENYL-D14	SW8270	61		UG/L	0
MW282	MW28	THALLIUM	SW6010	4	U	UG/L	2.3
MW282	MW28	VANADIUM	SW6010	7.4	J	UG/L	0.42
MW282	MW28	ZINC	SW6010	28.8	=	UG/L	0.53
MW292	MW29	1,1,1-TRICHLOROETHANE	SW8260	8	U	UG/L	10
MW292	MW29	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW292	MW29	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW292	MW29	1,1-DICHLOROETHANE	SW8260	2	J	UG/L	10
MW292	MW29	1,1-DICHLOROETHENE	SW8260	32	=	UG/L	10
MW292	MW29	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW292	MW29	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW292	MW29	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW292	MW29	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW292	MW29	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW292	MW29	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW292	MW29	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	109		UG/L	0
MW292	MW29	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW292	MW29	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW292	MW29	2,4,6-TRIBROMOPHENOL	SW8270	64		UG/L	0
MW292	MW29	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW292	MW29	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW292	MW29	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW292	MW29	2,4-DINITROPHENOL	SW8270	50	UJ	UG/L	50
MW292	MW29	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW292	MW29	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW292	MW29	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW292	MW29	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW292	MW29	2-FLUOROBIPHENYL	SW8270	72		UG/L	0
MW292	MW29	2-FLUOROPHENOL	SW8270	71		UG/L	0
MW292	MW29	2-HEXANONE	SW8260	10	U	UG/L	10
MW292	MW29	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW292	MW29	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW292	MW29	2-NITROANILINE	SW8270	50	U	UG/L	50
MW292	MW29	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW292	MW29	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW292	MW29	3-NITROANILINE	SW8270	50	U	UG/L	50
MW292	MW29	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW292	MW29	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW292	MW29	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW292	MW29	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW292	MW29	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW292	MW29	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW292	MW29	4-NITROANILINE	SW8270	50	UJ	UG/L	50
MW292	MW29	4-NITROPHENOL	SW8270	50	UJ	UG/L	50
MW292	MW29	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW292	MW29	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW292	MW29	ACETONE	SW8260	10	U	UG/L	10
MW292	MW29	ALUMINUM	SW6010	27900	J	UG/L	6.1
MW292	MW29	ANTHRACENE	SW8270	10	U	UG/L	10
MW292	MW29	ANTIMONY	SW6010	3.7	J	UG/L	2.4
MW292	MW29	ARSENIC	SW6010	33.8	J	UG/L	2.4
MW292	MW29	BARIUM	SW6010	203	=	UG/L	0.18
MW292	MW29	BENZENE	SW8260	10	U	UG/L	10
MW292	MW29	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW292	MW29	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW292	MW29	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW292	MW29	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW292	MW29	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW292	MW29	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW292	MW29	BERYLLIUM	SW6010	2.2	J	UG/L	0.046
MW292	MW29	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW292	MW29	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW292	MW29	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW292	MW29	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW292	MW29	BROMOFORM	SW8260	10	U	UG/L	10
MW292	MW29	BROMOMETHANE	SW8260	10	U	UG/L	10
MW292	MW29	CADMIUM	SW6010	3.7	J	UG/L	0.15
MW292	MW29	CALCIUM	SW6010	29100	=	UG/L	8

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW292	MW29	CARBAZOLE	SW8270	10	U	UG/L	10
MW292	MW29	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW292	MW29	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW292	MW29	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW292	MW29	CHLOROETHANE	SW8260	10	U	UG/L	10
MW292	MW29	CHLOROFORM	SW8260	10	U	UG/L	10
MW292	MW29	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW292	MW29	CHROMIUM, TOTAL	SW6010	74.5	=	UG/L	0.79
MW292	MW29	CHRYSENE	SW8270	10	U	UG/L	10
MW292	MW29	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW292	MW29	COBALT	SW6010	16	J	UG/L	0.41
MW292	MW29	COPPER	SW6010	97	=	UG/L	0.59
MW292	MW29	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW292	MW29	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW292	MW29	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW292	MW29	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW292	MW29	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW292	MW29	DIBROMOFLUOROMETHANE	SW8260	106		UG/L	0
MW292	MW29	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW292	MW29	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW292	MW29	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW292	MW29	FLUORANTHENE	SW8270	10	U	UG/L	10
MW292	MW29	FLUORENE	SW8270	10	U	UG/L	10
MW292	MW29	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW292	MW29	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW292	MW29	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW292	MW29	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW292	MW29	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW292	MW29	IRON	SW6010	100000	=	UG/L	1.8
MW292	MW29	ISOPHORONE	SW8270	10	U	UG/L	10
MW292	MW29	LEAD	SW6010	26.8	J	UG/L	1
MW292	MW29	MAGNESIUM	SW6010	13800	=	UG/L	4.3
MW292	MW29	MANGANESE	SW6010	325	=	UG/L	0.063
MW292	MW29	MERCURY	SW7470	0.16	J	UG/L	0.06
MW292	MW29	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW292	MW29	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW292	MW29	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW292	MW29	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW292	MW29	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW292	MW29	NAPHTHALENE	SW8270	10	U	UG/L	10
MW292	MW29	NICKEL	SW6010	32.6	J	UG/L	0.44
MW292	MW29	NITROBENZENE	SW8270	10	U	UG/L	10
MW292	MW29	NITROBENZENE-D5	SW8270	77		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW292	MW29	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW292	MW29	PHENANTHRENE	SW8270	10	U	UG/L	10
MW292	MW29	PHENOL	SW8270	10	U	UG/L	10
MW292	MW29	PHENOL-D5	SW8270	76		UG/L	0
MW292	MW29	POTASSIUM	SW6010	5320	=	UG/L	1290
MW292	MW29	PYRENE	SW8270	10	U	UG/L	10
MW292	MW29	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW292	MW29	SILVER	SW6010	0.57	U	UG/L	0.57
MW292	MW29	SODIUM	SW6010	29500	J	UG/L	112
MW292	MW29	STYRENE	SW8260	10	U	UG/L	10
MW292	MW29	TERPHENYL-D14	SW8270	83		UG/L	0
MW292	MW29	TETRACHLOROETHYLENE(PCE)	SW8260	38	=	UG/L	10
MW292	MW29	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW292	MW29	TOLUENE	SW8260	10	U	UG/L	10
MW292	MW29	TOLUENE-D8	SW8260	108		UG/L	0
MW292	MW29	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW292	MW29	Total Xylenes	SW8260	10	U	UG/L	10
MW292	MW29	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW292	MW29	TRICHLOROETHYLENE (TCE)	SW8260	18	=	UG/L	10
MW292	MW29	VANADIUM	SW6010	119	=	UG/L	0.42
MW292	MW29	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW292	MW29	ZINC	SW6010	117	=	UG/L	0.63
MW302	MW30	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW302	MW30	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW302	MW30	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW302	MW30	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW302	MW30	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW302	MW30	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW302	MW30	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW302	MW30	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW302	MW30	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW302	MW30	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW302	MW30	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW302	MW30	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	99		UG/L	0
MW302	MW30	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW302	MW30	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW302	MW30	2,4,6-TRIBROMOPHENOL	SW8270	71		UG/L	0
MW302	MW30	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW302	MW30	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW302	MW30	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW302	MW30	2,4-DINITROPHENOL	SW8270	50	UJ	UG/L	50
MW302	MW30	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW302	MW30	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW302	MW30	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW302	MW30	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW302	MW30	2-FLUOROBIPHENYL	SW8270	73		UG/L	0
MW302	MW30	2-FLUOROPHENOL	SW8270	54		UG/L	0
MW302	MW30	2-HEXANONE	SW8260	10	U	UG/L	10
MW302	MW30	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW302	MW30	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW302	MW30	2-NITROANILINE	SW8270	50	U	UG/L	50
MW302	MW30	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW302	MW30	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW302	MW30	3-NITROANILINE	SW8270	50	U	UG/L	50
MW302	MW30	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	UJ	UG/L	50
MW302	MW30	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW302	MW30	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW302	MW30	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW302	MW30	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW302	MW30	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW302	MW30	4-NITROANILINE	SW8270	50	U	UG/L	50
MW302	MW30	4-NITROPHENOL	SW8270	50	U	UG/L	50
MW302	MW30	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW302	MW30	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW302	MW30	ACETONE	SW8260	10	U	UG/L	10
MW302	MW30	ALUMINUM	SW6010	101	J	UG/L	6.1
MW302	MW30	ANTHRACENE	SW8270	10	U	UG/L	10
MW302	MW30	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW302	MW30	ARSENIC	SW6010	2.4	U	UG/L	2.4
MW302	MW30	BARIUM	SW6010	146	J	UG/L	0.18
MW302	MW30	BENZENE	SW8260	10	U	UG/L	10
MW302	MW30	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW302	MW30	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW302	MW30	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW302	MW30	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW302	MW30	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW302	MW30	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW302	MW30	BERYLLIUM	SW6010	0.12	U	UG/L	0.046
MW302	MW30	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW302	MW30	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW302	MW30	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW302	MW30	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW302	MW30	BROMOFORM	SW8260	10	U	UG/L	10
MW302	MW30	BROMOMETHANE	SW8260	10	U	UG/L	10
MW302	MW30	CADMIUM	SW6010	0.18	U	UG/L	0.15
MW302	MW30	CALCIUM	SW6010	28200	=	UG/L	8

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW302	MW30	CARBAZOLE	SW8270	10	U	UG/L	10
MW302	MW30	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW302	MW30	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW302	MW30	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW302	MW30	CHLOROETHANE	SW8260	10	U	UG/L	10
MW302	MW30	CHLOROFORM	SW8260	10	U	UG/L	10
MW302	MW30	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW302	MW30	CHROMIUM, TOTAL	SW6010	4	U	UG/L	0.79
MW302	MW30	CHRYSENE	SW8270	10	U	UG/L	10
MW302	MW30	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW302	MW30	COBALT	SW6010	1.3	U	UG/L	0.41
MW302	MW30	COPPER	SW6010	6.4	U	UG/L	0.59
MW302	MW30	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW302	MW30	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW302	MW30	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW302	MW30	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW302	MW30	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW302	MW30	DIBROMOFLUOROMETHANE	SW8260	100		UG/L	0
MW302	MW30	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW302	MW30	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW302	MW30	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW302	MW30	FLUORANTHENE	SW8270	10	U	UG/L	10
MW302	MW30	FLUORENE	SW8270	10	U	UG/L	10
MW302	MW30	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW302	MW30	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW302	MW30	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW302	MW30	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW302	MW30	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW302	MW30	IRON	SW6010	294	=	UG/L	1.8
MW302	MW30	ISOPHORONE	SW8270	10	U	UG/L	10
MW302	MW30	LEAD	SW6010	1	J	UG/L	1
MW302	MW30	MAGNESIUM	SW6010	14500	=	UG/L	4.3
MW302	MW30	MANGANESE	SW6010	7.7	J	UG/L	0.063
MW302	MW30	MERCURY	SW7470	0.06	J	UG/L	0.06
MW302	MW30	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW302	MW30	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW302	MW30	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW302	MW30	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW302	MW30	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW302	MW30	NAPHTHALENE	SW8270	10	U	UG/L	10
MW302	MW30	NICKEL	SW6010	7.8	U	UG/L	0.44
MW302	MW30	NITROBENZENE	SW8270	10	U	UG/L	10
MW302	MW30	NITROBENZENE-D5	SW8270	85		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW302	MW30	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW302	MW30	PHENANTHRENE	SW8270	10	U	UG/L	10
MW302	MW30	PHENOL	SW8270	10	U	UG/L	10
MW302	MW30	PHENOL-D5	SW8270	40		UG/L	0
MW302	MW30	POTASSIUM	SW6010	1510	J	UG/L	1290
MW302	MW30	PYRENE	SW8270	10	U	UG/L	10
MW302	MW30	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW302	MW30	SILVER	SW6010	0.57	U	UG/L	0.57
MW302	MW30	SODIUM	SW6010	23900	=	UG/L	112
MW302	MW30	STYRENE	SW8260	10	U	UG/L	10
MW302	MW30	TERPHENYL-D14	SW8270	80		UG/L	0
MW302	MW30	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW302	MW30	THALLIUM	SW6010	2.9	U	UG/L	2.3
MW302	MW30	TOLUENE	SW8260	10	U	UG/L	10
MW302	MW30	TOLUENE-D8	SW8260	101		UG/L	0
MW302	MW30	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW302	MW30	Total Xylenes	SW8260	10	U	UG/L	10
MW302	MW30	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW302	MW30	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW302	MW30	VANADIUM	SW6010	1	J	UG/L	0.42
MW302	MW30	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW302	MW30	ZINC	SW6010	10.7	U	UG/L	0.53
MW312	MW31	1,1,1-TRICHLOROETHANE	SW8260	2	J	UG/L	10
MW312	MW31	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW312	MW31	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW312	MW31	1,1-DICHLOROETHANE	SW8260	2	J	UG/L	10
MW312	MW31	1,1-DICHLOROETHENE	SW8260	29	=	UG/L	10
MW312	MW31	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW312	MW31	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW312	MW31	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW312	MW31	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW312	MW31	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW312	MW31	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW312	MW31	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	100		UG/L	0
MW312	MW31	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW312	MW31	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW312	MW31	2,4,6-TRIBROMOPHENOL	SW8270	59		UG/L	0
MW312	MW31	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW312	MW31	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW312	MW31	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW312	MW31	2,4-DINITROPHENOL	SW8270	50	UJ	UG/L	50
MW312	MW31	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW312	MW31	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW312	MW31	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW312	MW31	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW312	MW31	2-FLUOROBIPHENYL	SW8270	71		UG/L	0
MW312	MW31	2-FLUOROPHENOL	SW8270	66		UG/L	0
MW312	MW31	2-HEXANONE	SW8260	10	U	UG/L	10
MW312	MW31	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW312	MW31	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW312	MW31	2-NITROANILINE	SW8270	50	U	UG/L	50
MW312	MW31	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW312	MW31	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW312	MW31	3-NITROANILINE	SW8270	50	U	UG/L	50
MW312	MW31	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW312	MW31	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW312	MW31	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW312	MW31	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW312	MW31	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW312	MW31	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW312	MW31	4-NITROANILINE	SW8270	50	UJ	UG/L	50
MW312	MW31	4-NITROPHENOL	SW8270	50	UJ	UG/L	50
MW312	MW31	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW312	MW31	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW312	MW31	ACETONE	SW8260	10	U	UG/L	10
MW312	MW31	ALUMINUM	SW6010	1450	J	UG/L	6.1
MW312	MW31	ANTHRACENE	SW8270	10	U	UG/L	10
MW312	MW31	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW312	MW31	ARSENIC	SW6010	3.8	J	UG/L	2.4
MW312	MW31	BARIUM	SW6010	136	J	UG/L	0.18
MW312	MW31	BENZENE	SW8260	10	U	UG/L	10
MW312	MW31	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW312	MW31	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW312	MW31	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW312	MW31	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW312	MW31	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW312	MW31	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW312	MW31	BERYLLIUM	SW6010	0.31	U	UG/L	0.046
MW312	MW31	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW312	MW31	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW312	MW31	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW312	MW31	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW312	MW31	BROMOFORM	SW8260	10	U	UG/L	10
MW312	MW31	BROMOMETHANE	SW8260	10	U	UG/L	10
MW312	MW31	CADMIUM	SW6010	0.81	U	UG/L	0.15
MW312	MW31	CALCIUM	SW6010	23600	=	UG/L	8

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW312	MW31	CARBAZOLE	SW8270	10	U	UG/L	10
MW312	MW31	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW312	MW31	CARBON TETRACHLORIDE	SW8260	1	J	UG/L	10
MW312	MW31	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW312	MW31	CHLOROETHANE	SW8260	10	U	UG/L	10
MW312	MW31	CHLOROFORM	SW8260	10	=	UG/L	10
MW312	MW31	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW312	MW31	CHROMIUM, TOTAL	SW6010	7.2	U	UG/L	0.79
MW312	MW31	CHRYSENE	SW8270	10	U	UG/L	10
MW312	MW31	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW312	MW31	COBALT	SW6010	2.7	U	UG/L	0.41
MW312	MW31	COPPER	SW6010	3.6	U	UG/L	0.59
MW312	MW31	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW312	MW31	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW312	MW31	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW312	MW31	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW312	MW31	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW312	MW31	DIBROMOFLUOROMETHANE	SW8260	97		UG/L	0
MW312	MW31	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW312	MW31	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW312	MW31	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW312	MW31	FLUORANTHENE	SW8270	10	U	UG/L	10
MW312	MW31	FLUORENE	SW8270	10	U	UG/L	10
MW312	MW31	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW312	MW31	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW312	MW31	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW312	MW31	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW312	MW31	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW312	MW31	IRON	SW6010	12400	=	UG/L	1.8
MW312	MW31	ISOPHORONE	SW8270	10	U	UG/L	10
MW312	MW31	LEAD	SW6010	2	J	UG/L	1
MW312	MW31	MAGNESIUM	SW6010	11600	=	UG/L	4.3
MW312	MW31	MANGANESE	SW6010	55.2	=	UG/L	0.063
MW312	MW31	MERCURY	SW7470	0.07	J	UG/L	0.06
MW312	MW31	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW312	MW31	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW312	MW31	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW312	MW31	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW312	MW31	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW312	MW31	NAPHTHALENE	SW8270	10	U	UG/L	10
MW312	MW31	NICKEL	SW6010	4.4	U	UG/L	0.44
MW312	MW31	NITROBENZENE	SW8270	10	U	UG/L	10
MW312	MW31	NITROBENZENE-D5	SW8270	75		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW312	MW31	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW312	MW31	PHENANTHRENE	SW8270	10	U	UG/L	10
MW312	MW31	PHENOL	SW8270	10	U	UG/L	10
MW312	MW31	PHENOL-D5	SW8270	72		UG/L	0
MW312	MW31	POTASSIUM	SW6010	1650	J	UG/L	1290
MW312	MW31	PYRENE	SW8270	10	U	UG/L	10
MW312	MW31	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW312	MW31	SILVER	SW6010	0.57	U	UG/L	0.57
MW312	MW31	SODIUM	SW6010	23300	J	UG/L	112
MW312	MW31	STYRENE	SW8260	10	U	UG/L	10
MW312	MW31	TERPHENYL-D14	SW8270	83		UG/L	0
MW312	MW31	TETRACHLOROETHYLENE(PCE)	SW8260	67	=	UG/L	10
MW312	MW31	THALLIUM	SW6010	2.6	U	UG/L	2.3
MW312	MW31	TOLUENE	SW8260	10	U	UG/L	10
MW312	MW31	TOLUENE-D8	SW8260	102		UG/L	0
MW312	MW31	TOTAL 1,2-DICHLOROETHENE	SW8260	38	=	UG/L	10
MW312	MW31	Total Xylenes	SW8260	10	U	UG/L	10
MW312	MW31	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW312	MW31	TRICHLOROETHYLENE (TCE)	SW8260	78	=	UG/L	10
MW312	MW31	VANADIUM	SW6010	9.3	J	UG/L	0.42
MW312	MW31	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW312	MW31	ZINC	SW6010	17.6	U	UG/L	0.53
MW322	MW32	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW322	MW32	1,1,2,2-TETRACHLOROETHANE	SW8260	91	=	UG/L	10
MW322	MW32	1,1,2-TRICHLOROETHANE	SW8260	5	J	UG/L	10
MW322	MW32	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW322	MW32	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW322	MW32	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW322	MW32	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW322	MW32	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	105		UG/L	0
MW322	MW32	2-HEXANONE	SW8260	10	U	UG/L	10
MW322	MW32	ACETONE	SW8260	10	U	UG/L	10
MW322	MW32	ALUMINUM	SW6010	5680	=	UG/L	6.1
MW322	MW32	ANTIMONY	SW6010	4	U	UG/L	2.4
MW322	MW32	ARSENIC	SW6010	10.1	U	UG/L	2.4
MW322	MW32	BARIUM	SW6010	242	=	UG/L	0.18
MW322	MW32	BENZENE	SW8260	10	U	UG/L	10
MW322	MW32	BERYLLIUM	SW6010	0.7	U	UG/L	0.046
MW322	MW32	BICARBONATE	E310.1	76	=	MG/L	3
MW322	MW32	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW322	MW32	BROMOFORM	SW8260	10	U	UG/L	10
MW322	MW32	BROMOMETHANE	SW8260	10	U	UG/L	10
MW322	MW32	CADMIUM	SW6010	2.8	J	UG/L	0.15

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW322	MW32	CALCIUM	SW6010	68300	=	UG/L	8
MW322	MW32	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW322	MW32	CARBON TETRACHLORIDE	SW8260	25	=	UG/L	10
MW322	MW32	CHLORIDE (AS CL)	E325.1	188	=	MG/L	20
MW322	MW32	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW322	MW32	CHLOROETHANE	SW8260	10	U	UG/L	10
MW322	MW32	CHLOROFORM	SW8260	8	J	UG/L	10
MW322	MW32	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW322	MW32	CHROMIUM, TOTAL	SW6010	16.6	=	UG/L	0.79
MW322	MW32	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW322	MW32	COBALT	SW6010	13	J	UG/L	0.41
MW322	MW32	COPPER	SW6010	11.2	U	UG/L	0.59
MW322	MW32	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW322	MW32	DIBROMOFLUOROMETHANE	SW8260	102		UG/L	0
MW322	MW32	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW322	MW32	FLUORIDE	E340.2	0.1	U	MG/L	0.1
MW322	MW32	HARDNESS (AS CaCO3)	E130.2	356	=	MG/L	3
MW322	MW32	IRON	SW6010	26400	=	UG/L	1.8
MW322	MW32	LEAD	SW6010	13.8	J	UG/L	1
MW322	MW32	MAGNESIUM	SW6010	15400	=	UG/L	4.3
MW322	MW32	MANGANESE	SW6010	2240	J	UG/L	0.063
MW322	MW32	MERCURY	SW7470	0.65	=	UG/L	0.06
MW322	MW32	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW322	MW32	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW322	MW32	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW322	MW32	NICKEL	SW6010	11.2	U	UG/L	0.44
MW322	MW32	NITROGEN, AMMONIA (AS N)	E350.2	0.2	U	MG/L	0.2
MW322	MW32	NITROGEN, NITRATE (AS N)	E353.2	4.23	=	MG/L	0.25
MW322	MW32	NITROGEN, NITRATE-NITRITE	E353.2	4.23	=	MG/L	0.25
MW322	MW32	POTASSIUM	SW6010	5930	=	UG/L	1290
MW322	MW32	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW322	MW32	SILVER	SW6010	0.57	U	UG/L	0.57
MW322	MW32	SODIUM	SW6010	20600	=	UG/L	112
MW322	MW32	STYRENE	SW8260	10	U	UG/L	10
MW322	MW32	SULFATE (AS SO4)	E375.4	18.7	=	MG/L	2
MW322	MW32	TETRACHLOROETHYLENE(PCE)	SW8260	2	J	UG/L	10
MW322	MW32	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW322	MW32	TOLUENE	SW8260	10	U	UG/L	10
MW322	MW32	TOLUENE-D8	SW8260	102		UG/L	0
MW322	MW32	TOTAL 1,2-DICHLOROETHENE	SW8260	120	=	UG/L	10
MW322	MW32	TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	E160.1	583	=	MG/L	10
MW322	MW32	TOTAL ORGANIC CARBON	E415.2	3.8	=	MG/L	1
MW322	MW32	Total Xylenes	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW322	MW32	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW322	MW32	TRICHLOROETHYLENE (TCE)	SW8260	93	=	UG/L	10
MW322	MW32	VANADIUM	SW6010	36	J	UG/L	0.42
MW322	MW32	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW322	MW32	ZINC	SW6010	32	=	UG/L	0.53
MW332	MW33	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW332	MW33	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW332	MW33	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW332	MW33	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW332	MW33	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW332	MW33	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW332	MW33	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW332	MW33	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	105		UG/L	0
MW332	MW33	2-HEXANONE	SW8260	10	U	UG/L	10
MW332	MW33	ACETONE	SW8260	10	U	UG/L	10
MW332	MW33	ALUMINUM	SW6010	2210	J	UG/L	6.1
MW332	MW33	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW332	MW33	ARSENIC	SW6010	5.8	J	UG/L	2.4
MW332	MW33	BARIUM	SW6010	62.3	J	UG/L	0.18
MW332	MW33	BENZENE	SW8260	10	U	UG/L	10
MW332	MW33	BERYLLIUM	SW6010	0.27	U	UG/L	0.046
MW332	MW33	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW332	MW33	BROMOFORM	SW8260	10	U	UG/L	10
MW332	MW33	BROMOMETHANE	SW8260	10	U	UG/L	10
MW332	MW33	CADMIUM	SW6010	1.2	U	UG/L	0.15
MW332	MW33	CALCIUM	SW6010	9030	=	UG/L	8
MW332	MW33	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW332	MW33	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW332	MW33	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW332	MW33	CHLOROETHANE	SW8260	10	U	UG/L	10
MW332	MW33	CHLOROFORM	SW8260	10	U	UG/L	10
MW332	MW33	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW332	MW33	CHROMIUM, TOTAL	SW6010	7	U	UG/L	0.79
MW332	MW33	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW332	MW33	COBALT	SW6010	2.1	U	UG/L	0.41
MW332	MW33	COPPER	SW6010	22.4	J	UG/L	0.59
MW332	MW33	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW332	MW33	DIBROMOFLUOROMETHANE	SW8260	101		UG/L	0
MW332	MW33	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW332	MW33	IRON	SW6010	9820	=	UG/L	1.8
MW332	MW33	LEAD	SW6010	7.4	=	UG/L	1
MW332	MW33	MAGNESIUM	SW6010	4380	J	UG/L	4.3
MW332	MW33	MANGANESE	SW6010	61.8	=	UG/L	0.063

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW332	MW33	MERCURY	SW7470	0.07	U	UG/L	0.06
MW332	MW33	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW332	MW33	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW332	MW33	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW332	MW33	NICKEL	SW6010	10	J	UG/L	0.44
MW332	MW33	POTASSIUM	SW6010	1290	J	UG/L	1290
MW332	MW33	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW332	MW33	SILVER	SW6010	0.57	U	UG/L	0.57
MW332	MW33	SODIUM	SW6010	17500	J	UG/L	112
MW332	MW33	STYRENE	SW8260	10	U	UG/L	10
MW332	MW33	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW332	MW33	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW332	MW33	TOLUENE	SW8260	10	U	UG/L	10
MW332	MW33	TOLUENE-D8	SW8260	103		UG/L	0
MW332	MW33	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW332	MW33	Total Xylenes	SW8260	10	U	UG/L	10
MW332	MW33	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW332	MW33	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW332	MW33	VANADIUM	SW6010	11.4	J	UG/L	0.42
MW332	MW33	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW332	MW33	ZINC	SW6010	33.9	=	UG/L	0.53
MW342	MW34	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW342	MW34	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW342	MW34	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW342	MW34	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW342	MW34	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW342	MW34	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW342	MW34	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW342	MW34	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW342	MW34	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW342	MW34	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW342	MW34	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW342	MW34	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	93		UG/L	0
MW342	MW34	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW342	MW34	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW342	MW34	2,4,6-TRIBROMOPHENOL	SW8270	72		UG/L	0
MW342	MW34	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW342	MW34	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW342	MW34	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW342	MW34	2,4-DINITROPHENOL	SW8270	50	U	UG/L	50
MW342	MW34	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW342	MW34	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW342	MW34	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW342	MW34	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW342	MW34	2-FLUOROBIPHENYL	SW8270	78		UG/L	0
MW342	MW34	2-FLUOROPHENOL	SW8270	81		UG/L	0
MW342	MW34	2-HEXANONE	SW8260	10	U	UG/L	10
MW342	MW34	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW342	MW34	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW342	MW34	2-NITROANILINE	SW8270	50	U	UG/L	50
MW342	MW34	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW342	MW34	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW342	MW34	3-NITROANILINE	SW8270	50	U	UG/L	50
MW342	MW34	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW342	MW34	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW342	MW34	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW342	MW34	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW342	MW34	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW342	MW34	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW342	MW34	4-NITROANILINE	SW8270	50	UJ	UG/L	50
MW342	MW34	4-NITROPHENOL	SW8270	50	UJ	UG/L	50
MW342	MW34	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW342	MW34	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW342	MW34	ACETONE	SW8260	10	U	UG/L	10
MW342	MW34	ALUMINUM	SW6010	622	J	UG/L	6.1
MW342	MW34	ANTHRACENE	SW8270	10	U	UG/L	10
MW342	MW34	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW342	MW34	ARSENIC	SW6010	2.4	U	UG/L	2.4
MW342	MW34	BARIUM	SW6010	137	J	UG/L	0.18
MW342	MW34	BENZENE	SW8260	10	U	UG/L	10
MW342	MW34	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW342	MW34	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW342	MW34	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW342	MW34	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW342	MW34	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW342	MW34	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW342	MW34	BERYLLIUM	SW6010	0.1	U	UG/L	0.046
MW342	MW34	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW342	MW34	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW342	MW34	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW342	MW34	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW342	MW34	BROMOFORM	SW8260	10	U	UG/L	10
MW342	MW34	BROMOMETHANE	SW8260	10	U	UG/L	10
MW342	MW34	CADMIUM	SW6010	0.53	U	UG/L	0.15
MW342	MW34	CALCIUM	SW6010	13500	=	UG/L	8
MW342	MW34	CARBAZOLE	SW8270	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW342	MW34	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW342	MW34	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW342	MW34	CHLORIDE (AS CL)	E325.1	11	=	MG/L	1
MW342	MW34	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW342	MW34	CHLOROETHANE	SW8260	10	U	UG/L	10
MW342	MW34	CHLOROFORM	SW8260	2	J	UG/L	10
MW342	MW34	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW342	MW34	CHROMIUM, TOTAL	SW6010	6	U	UG/L	0.79
MW342	MW34	CHRYSENE	SW8270	10	U	UG/L	10
MW342	MW34	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW342	MW34	COBALT	SW6010	0.64	U	UG/L	0.41
MW342	MW34	COPPER	SW6010	5.2	U	UG/L	0.59
MW342	MW34	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW342	MW34	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW342	MW34	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW342	MW34	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW342	MW34	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW342	MW34	DIBROMOFLUOROMETHANE	SW8260	95		UG/L	0
MW342	MW34	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW342	MW34	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW342	MW34	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW342	MW34	FLUORANTHENE	SW8270	10	U	UG/L	10
MW342	MW34	FLUORENE	SW8270	10	U	UG/L	10
MW342	MW34	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW342	MW34	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW342	MW34	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW342	MW34	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW342	MW34	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW342	MW34	IRON	SW6010	3680	=	UG/L	1.8
MW342	MW34	ISOPHORONE	SW8270	10	U	UG/L	10
MW342	MW34	LEAD	SW6010	2.5	U	UG/L	1
MW342	MW34	MAGNESIUM	SW6010	6060	=	UG/L	4.3
MW342	MW34	MANGANESE	SW6010	19.4	=	UG/L	0.063
MW342	MW34	MERCURY	SW7470	0.1	U	UG/L	0.06
MW342	MW34	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW342	MW34	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW342	MW34	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW342	MW34	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW342	MW34	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW342	MW34	NAPHTHALENE	SW8270	10	U	UG/L	10
MW342	MW34	NICKEL	SW6010	3.8	U	UG/L	0.44
MW342	MW34	NITROBENZENE	SW8270	10	U	UG/L	10
MW342	MW34	NITROBENZENE-D5	SW8270	83		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW342	MW34	NITROGEN, AMMONIA (AS N)	E350.2	0.2	<	MG/L	0.2
MW342	MW34	NITROGEN, NITRATE-NITRITE	E353.2	4.28	=	MG/L	0.25
MW342	MW34	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW342	MW34	PHENANTHRENE	SW8270	10	U	UG/L	10
MW342	MW34	PHENOL	SW8270	10	U	UG/L	10
MW342	MW34	PHENOL-D5	SW8270	84		UG/L	0
MW342	MW34	POTASSIUM	SW6010	1290	U	UG/L	1290
MW342	MW34	PYRENE	SW8270	10	U	UG/L	10
MW342	MW34	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW342	MW34	SILVER	SW6010	0.57	U	UG/L	0.57
MW342	MW34	SODIUM	SW6010	9880	J	UG/L	112
MW342	MW34	STYRENE	SW8260	10	U	UG/L	10
MW342	MW34	SULFATE (AS SO4)	E375.4	10.7	=	MG/L	2
MW342	MW34	TERPHENYL-D14	SW8270	73		UG/L	0
MW342	MW34	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW342	MW34	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW342	MW34	TOLUENE	SW8260	10	U	UG/L	10
MW342	MW34	TOLUENE-D8	SW8260	95		UG/L	0
MW342	MW34	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW342	MW34	TOTAL ORGANIC CARBON	E415.2	9.2	=	MG/L	1
MW342	MW34	Total Xylenes	SW8260	10	U	UG/L	10
MW342	MW34	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW342	MW34	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW342	MW34	VANADIUM	SW6010	5.3	J	UG/L	0.42
MW342	MW34	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW342	MW34	ZINC	SW6010	15.3	U	UG/L	0.53
MW352	MW35	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW352	MW35	1,1,2,2-TETRACHLOROETHANE	SW8260	11	=	UG/L	10
MW352	MW35	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW352	MW35	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW352	MW35	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW352	MW35	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW352	MW35	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW352	MW35	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW352	MW35	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW352	MW35	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW352	MW35	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW352	MW35	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	99		UG/L	0
MW352	MW35	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW352	MW35	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW352	MW35	2,4,6-TRIBROMOPHENOL	SW8270	63		UG/L	0
MW352	MW35	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW352	MW35	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10

258 152

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW352	MW35	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW352	MW35	2,4-DINITROPHENOL	SW8270	50	U	UG/L	50
MW352	MW35	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW352	MW35	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW352	MW35	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW352	MW35	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW352	MW35	2-FLUOROBIPHENYL	SW8270	71		UG/L	0
MW352	MW35	2-FLUOROPHENOL	SW8270	68		UG/L	0
MW352	MW35	2-HEXANONE	SW8260	10	U	UG/L	10
MW352	MW35	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW352	MW35	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW352	MW35	2-NITROANILINE	SW8270	50	U	UG/L	50
MW352	MW35	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW352	MW35	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW352	MW35	3-NITROANILINE	SW8270	50	U	UG/L	50
MW352	MW35	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW352	MW35	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW352	MW35	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW352	MW35	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW352	MW35	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW352	MW35	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW352	MW35	4-NITROANILINE	SW8270	50	U	UG/L	50
MW352	MW35	4-NITROPHENOL	SW8270	50	UJ	UG/L	50
MW352	MW35	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW352	MW35	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW352	MW35	ACETONE	SW8260	10	U	UG/L	10
MW352	MW35	ALUMINUM	SW6010	306	=	UG/L	6.1
MW352	MW35	ANTHRACENE	SW8270	10	U	UG/L	10
MW352	MW35	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW352	MW35	ARSENIC	SW6010	3.3	U	UG/L	2.4
MW352	MW35	BARIUM	SW6010	124	J	UG/L	0.18
MW352	MW35	BENZENE	SW8260	10	U	UG/L	10
MW352	MW35	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW352	MW35	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW352	MW35	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW352	MW35	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW352	MW35	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW352	MW35	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW352	MW35	BERYLLIUM	SW6010	0.25	U	UG/L	0.046
MW352	MW35	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW352	MW35	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW352	MW35	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW352	MW35	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW352	MW35	BROMOFORM	SW8260	10	U	UG/L	10
MW352	MW35	BROMOMETHANE	SW8260	10	U	UG/L	10
MW352	MW35	CADMIUM	SW6010	0.28	U	UG/L	0.15
MW352	MW35	CALCIUM	SW6010	15100	=	UG/L	8
MW352	MW35	CARBAZOLE	SW8270	10	U	UG/L	10
MW352	MW35	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW352	MW35	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW352	MW35	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW352	MW35	CHLOROETHANE	SW8260	10	U	UG/L	10
MW352	MW35	CHLOROFORM	SW8260	10	U	UG/L	10
MW352	MW35	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW352	MW35	CHROMIUM, TOTAL	SW6010	3.8	U	UG/L	0.79
MW352	MW35	CHRYSENE	SW8270	10	U	UG/L	10
MW352	MW35	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW352	MW35	COBALT	SW6010	2.2	U	UG/L	0.41
MW352	MW35	COPPER	SW6010	1.3	U	UG/L	0.59
MW352	MW35	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW352	MW35	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW352	MW35	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW352	MW35	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW352	MW35	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW352	MW35	DIBROMOFLUOROMETHANE	SW8260	99		UG/L	0
MW352	MW35	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW352	MW35	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW352	MW35	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW352	MW35	FLUORANTHENE	SW8270	10	U	UG/L	10
MW352	MW35	FLUORENE	SW8270	10	U	UG/L	10
MW352	MW35	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW352	MW35	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW352	MW35	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW352	MW35	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW352	MW35	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW352	MW35	IRON	SW6010	1640	=	UG/L	1.8
MW352	MW35	ISOPHORONE	SW8270	10	U	UG/L	10
MW352	MW35	LEAD	SW6010	1	U	UG/L	1
MW352	MW35	MAGNESIUM	SW6010	7250	=	UG/L	4.3
MW352	MW35	MANGANESE	SW6010	18.2	J	UG/L	0.063
MW352	MW35	MERCURY	SW7470	0.06	U	UG/L	0.06
MW352	MW35	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW352	MW35	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW352	MW35	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW352	MW35	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW352	MW35	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW352	MW35	NAPHTHALENE	SW8270	10	U	UG/L	10
MW352	MW35	NICKEL	SW6010	4.2	U	UG/L	0.44
MW352	MW35	NITROBENZENE	SW8270	10	U	UG/L	10
MW352	MW35	NITROBENZENE-D5	SW8270	83		UG/L	0
MW352	MW35	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW352	MW35	PHENANTHRENE	SW8270	10	U	UG/L	10
MW352	MW35	PHENOL	SW8270	10	U	UG/L	10
MW352	MW35	PHENOL-D5	SW8270	72		UG/L	0
MW352	MW35	POTASSIUM	SW6010	1580	J	UG/L	1290
MW352	MW35	PYRENE	SW8270	10	U	UG/L	10
MW352	MW35	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW352	MW35	SILVER	SW6010	0.57	U	UG/L	0.57
MW352	MW35	SODIUM	SW6010	15500	=	UG/L	112
MW352	MW35	STYRENE	SW8260	10	U	UG/L	10
MW352	MW35	TERPHENYL-D14	SW8270	79		UG/L	0
MW352	MW35	TETRACHLOROETHYLENE(PCE)	SW8260	2	J	UG/L	10
MW352	MW35	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW352	MW35	TOLUENE	SW8260	10	U	UG/L	10
MW352	MW35	TOLUENE-D8	SW8260	101		UG/L	0
MW352	MW35	TOTAL 1,2-DICHLOROETHENE	SW8260	11	=	UG/L	10
MW352	MW35	Total Xylenes	SW8260	10	U	UG/L	10
MW352	MW35	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW352	MW35	TRICHLOROETHYLENE (TCE)	SW8260	160	=	UG/L	10
MW352	MW35	VANADIUM	SW6010	1.4	J	UG/L	0.42
MW352	MW35	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW352	MW35	ZINC	SW6010	14.8	U	UG/L	0.53
MW362	MW36	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW362	MW36	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW362	MW36	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW362	MW36	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW362	MW36	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW362	MW36	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW362	MW36	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW362	MW36	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW362	MW36	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW362	MW36	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW362	MW36	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW362	MW36	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	104		UG/L	0
MW362	MW36	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW362	MW36	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW362	MW36	2,4,6-TRIBROMOPHENOL	SW8270	61		UG/L	0
MW362	MW36	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW362	MW36	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW362	MW36	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW362	MW36	2,4-DINITROPHENOL	SW8270	50	U	UG/L	50
MW362	MW36	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW362	MW36	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW362	MW36	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW362	MW36	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW362	MW36	2-FLUOROBIPHENYL	SW8270	58		UG/L	0
MW362	MW36	2-FLUOROPHENOL	SW8270	63		UG/L	0
MW362	MW36	2-HEXANONE	SW8260	10	U	UG/L	10
MW362	MW36	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW362	MW36	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW362	MW36	2-NITROANILINE	SW8270	50	U	UG/L	50
MW362	MW36	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW362	MW36	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW362	MW36	3-NITROANILINE	SW8270	50	U	UG/L	50
MW362	MW36	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW362	MW36	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW362	MW36	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW362	MW36	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW362	MW36	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW362	MW36	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW362	MW36	4-NITROANILINE	SW8270	50	U	UG/L	50
MW362	MW36	4-NITROPHENOL	SW8270	50	UJ	UG/L	50
MW362	MW36	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW362	MW36	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW362	MW36	ACETONE	SW8260	10	U	UG/L	10
MW362	MW36	ALUMINUM	SW6010	4660	J	UG/L	6.1
MW362	MW36	ANTHRACENE	SW8270	10	U	UG/L	10
MW362	MW36	ANTIMONY	SW6010	3.9	U	UG/L	2.4
MW362	MW36	ARSENIC	SW6010	2.4	U	UG/L	2.4
MW362	MW36	BARIUM	SW6010	243	=	UG/L	0.18
MW362	MW36	BENZENE	SW8260	10	U	UG/L	10
MW362	MW36	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW362	MW36	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW362	MW36	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW362	MW36	BENZO(g,h,i)PERYLENE	SW8270	10	UJ	UG/L	10
MW362	MW36	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW362	MW36	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW362	MW36	BERYLLIUM	SW6010	0.38	U	UG/L	0.046
MW362	MW36	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW362	MW36	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW362	MW36	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	11	U	UG/L	10
MW362	MW36	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW362	MW36	BROMOFORM	SW8260	10	U	UG/L	10
MW362	MW36	BROMOMETHANE	SW8260	10	U	UG/L	10
MW362	MW36	CADMIUM	SW6010	9.6	=	UG/L	0.15
MW362	MW36	CALCIUM	SW6010	32400	=	UG/L	8
MW362	MW36	CARBAZOLE	SW8270	10	U	UG/L	10
MW362	MW36	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW362	MW36	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW362	MW36	CHLORIDE (AS CL)	E325.1	1.7	=	MG/L	1
MW362	MW36	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW362	MW36	CHLOROETHANE	SW8260	10	U	UG/L	10
MW362	MW36	CHLOROFORM	SW8260	10	U	UG/L	10
MW362	MW36	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW362	MW36	CHROMIUM, TOTAL	SW6010	50.5	=	UG/L	0.79
MW362	MW36	CHRYSENE	SW8270	10	U	UG/L	10
MW362	MW36	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW362	MW36	COBALT	SW6010	6.3	J	UG/L	0.41
MW362	MW36	COPPER	SW6010	44.1	=	UG/L	0.59
MW362	MW36	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW362	MW36	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW362	MW36	DIBENZ(a,h)ANTHRACENE	SW8270	10	UJ	UG/L	10
MW362	MW36	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW362	MW36	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW362	MW36	DIBROMOFLUOROMETHANE	SW8260	104		UG/L	0
MW362	MW36	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW362	MW36	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW362	MW36	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW362	MW36	FLUORANTHENE	SW8270	10	U	UG/L	10
MW362	MW36	FLUORENE	SW8270	10	U	UG/L	10
MW362	MW36	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW362	MW36	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW362	MW36	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW362	MW36	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW362	MW36	INDENO(1,2,3-c,d)PYRENE	SW8270	10	UJ	UG/L	10
MW362	MW36	IRON	SW6010	6270	=	UG/L	1.8
MW362	MW36	ISOPHORONE	SW8270	10	U	UG/L	10
MW362	MW36	LEAD	SW6010	13.6	J	UG/L	1
MW362	MW36	MAGNESIUM	SW6010	4280	J	UG/L	4.3
MW362	MW36	MANGANESE	SW6010	147	=	UG/L	0.063
MW362	MW36	MERCURY	SW7470	0.09	U	UG/L	0.06
MW362	MW36	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW362	MW36	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW362	MW36	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW362	MW36	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10

258 156

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW362	MW36	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW362	MW36	NAPHTHALENE	SW8270	10	U	UG/L	10
MW362	MW36	NICKEL	SW6010	40	=	UG/L	0.44
MW362	MW36	NITROBENZENE	SW8270	10	U	UG/L	10
MW362	MW36	NITROBENZENE-D5	SW8270	66		UG/L	0
MW362	MW36	NITROGEN, AMMONIA (AS N)	E350.2	0.2	<	MG/L	0.2
MW362	MW36	NITROGEN, NITRATE-NITRITE	E353.2	0.05	<	MG/L	0.05
MW362	MW36	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW362	MW36	PHENANTHRENE	SW8270	10	U	UG/L	10
MW362	MW36	PHENOL	SW8270	10	U	UG/L	10
MW362	MW36	PHENOL-D5	SW8270	71		UG/L	0
MW362	MW36	POTASSIUM	SW6010	5270	=	UG/L	1290
MW362	MW36	PYRENE	SW8270	10	U	UG/L	10
MW362	MW36	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW362	MW36	SILVER	SW6010	0.57	U	UG/L	0.57
MW362	MW36	SODIUM	SW6010	2210	J	UG/L	112
MW362	MW36	STYRENE	SW8260	10	U	UG/L	10
MW362	MW36	SULFATE (AS SO4)	E375.4	17.2	=	MG/L	2
MW362	MW36	TERPHENYL-D14	SW8270	37		UG/L	0
MW362	MW36	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW362	MW36	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW362	MW36	TOLUENE	SW8260	10	U	UG/L	10
MW362	MW36	TOLUENE-D8	SW8260	103		UG/L	0
MW362	MW36	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW362	MW36	TOTAL ORGANIC CARBON	E415.2	4.4	=	MG/L	1
MW362	MW36	Total Xylenes	SW8260	10	U	UG/L	10
MW362	MW36	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW362	MW36	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW362	MW36	VANADIUM	SW6010	8.6	J	UG/L	0.42
MW362	MW36	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW362	MW36	ZINC	SW6010	115	=	UG/L	0.53
MW372	MW37	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW372	MW37	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW372	MW37	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW372	MW37	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW372	MW37	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW372	MW37	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW372	MW37	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW372	MW37	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW372	MW37	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW372	MW37	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW372	MW37	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW372	MW37	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	103		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW372	MW37	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW372	MW37	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW372	MW37	2,4,6-TRIBROMOPHENOL	SW8270	69		UG/L	0
MW372	MW37	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW372	MW37	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW372	MW37	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW372	MW37	2,4-DINITROPHENOL	SW8270	50	U	UG/L	50
MW372	MW37	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW372	MW37	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW372	MW37	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW372	MW37	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW372	MW37	2-FLUOROBIPHENYL	SW8270	73		UG/L	0
MW372	MW37	2-FLUOROPHENOL	SW8270	66		UG/L	0
MW372	MW37	2-HEXANONE	SW8260	10	U	UG/L	10
MW372	MW37	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW372	MW37	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW372	MW37	2-NITROANILINE	SW8270	50	U	UG/L	50
MW372	MW37	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW372	MW37	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW372	MW37	3-NITROANILINE	SW8270	50	U	UG/L	50
MW372	MW37	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW372	MW37	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW372	MW37	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW372	MW37	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW372	MW37	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW372	MW37	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW372	MW37	4-NITROANILINE	SW8270	50	U	UG/L	50
MW372	MW37	4-NITROPHENOL	SW8270	50	U	UG/L	50
MW372	MW37	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW372	MW37	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW372	MW37	ACETONE	SW8260	10	U	UG/L	10
MW372	MW37	ALUMINUM	SW6010	2150	J	UG/L	6.1
MW372	MW37	ANTHRACENE	SW8270	10	U	UG/L	10
MW372	MW37	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW372	MW37	ARSENIC	SW6010	2.4	U	UG/L	2.4
MW372	MW37	BARIUM	SW6010	686	=	UG/L	0.18
MW372	MW37	BENZENE	SW8260	10	U	UG/L	10
MW372	MW37	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW372	MW37	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW372	MW37	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW372	MW37	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW372	MW37	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW372	MW37	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10

258 158

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW372	MW37	BERYLLIUM	SW6010	0.31	U	UG/L	0.046
MW372	MW37	BICARBONATE	E310.1	181	=	MG/L	3
MW372	MW37	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW372	MW37	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW372	MW37	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW372	MW37	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW372	MW37	BROMOFORM	SW8260	10	U	UG/L	10
MW372	MW37	BROMOMETHANE	SW8260	10	U	UG/L	10
MW372	MW37	CADMIUM	SW6010	0.8	U	UG/L	0.15
MW372	MW37	CALCIUM	SW6010	40600	=	UG/L	8
MW372	MW37	CARBAZOLE	SW8270	10	U	UG/L	10
MW372	MW37	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW372	MW37	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW372	MW37	CHLORIDE (AS CL)	E325.1	2.6	=	MG/L	1
MW372	MW37	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW372	MW37	CHLOROETHANE	SW8260	10	U	UG/L	10
MW372	MW37	CHLOROFORM	SW8260	10	U	UG/L	10
MW372	MW37	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW372	MW37	CHROMIUM, TOTAL	SW6010	6.4	U	UG/L	0.79
MW372	MW37	CHRYSENE	SW8270	10	U	UG/L	10
MW372	MW37	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW372	MW37	COBALT	SW6010	2.1	U	UG/L	0.41
MW372	MW37	COPPER	SW6010	5.6	U	UG/L	0.59
MW372	MW37	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW372	MW37	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW372	MW37	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW372	MW37	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW372	MW37	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW372	MW37	DIBROMOFLUOROMETHANE	SW8260	99		UG/L	0
MW372	MW37	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW372	MW37	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW372	MW37	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW372	MW37	FLUORANTHENE	SW8270	10	U	UG/L	10
MW372	MW37	FLUORENE	SW8270	10	U	UG/L	10
MW372	MW37	FLUORIDE	E340.2	0.1	<	MG/L	0.1
MW372	MW37	HARDNESS (AS CaCO3)	E130.2	232	=	MG/L	3
MW372	MW37	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW372	MW37	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW372	MW37	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW372	MW37	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW372	MW37	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW372	MW37	IRON	SW6010	6610	=	UG/L	1.8
MW372	MW37	ISOPHORONE	SW8270	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW372	MW37	LEAD	SW6010	5	=	UG/L	1
MW372	MW37	MAGNESIUM	SW6010	14200	=	UG/L	4.3
MW372	MW37	MANGANESE	SW6010	217	=	UG/L	0.063
MW372	MW37	MERCURY	SW7470	0.06	U	UG/L	0.06
MW372	MW37	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW372	MW37	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW372	MW37	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW372	MW37	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW372	MW37	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW372	MW37	NAPHTHALENE	SW8270	10	U	UG/L	10
MW372	MW37	NICKEL	SW6010	6	J	UG/L	0.44
MW372	MW37	NITROBENZENE	SW8270	10	U	UG/L	10
MW372	MW37	NITROBENZENE-D5	SW8270	79		UG/L	0
MW372	MW37	NITROGEN, NITRATE (AS N)	E353.2	0.05	<	MG/L	0.05
MW372	MW37	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW372	MW37	PHENANTHRENE	SW8270	10	U	UG/L	10
MW372	MW37	PHENOL	SW8270	10	U	UG/L	10
MW372	MW37	PHENOL-D5	SW8270	70		UG/L	0
MW372	MW37	POTASSIUM	SW6010	8760	=	UG/L	1290
MW372	MW37	PYRENE	SW8270	10	U	UG/L	10
MW372	MW37	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW372	MW37	SILVER	SW6010	0.57	U	UG/L	0.57
MW372	MW37	SODIUM	SW6010	7010	J	UG/L	112
MW372	MW37	STYRENE	SW8260	10	U	UG/L	10
MW372	MW37	SULFATE (AS SO4)	E375.4	5.6	=	MG/L	2
MW372	MW37	TERPHENYL-D14	SW8270	52		UG/L	0
MW372	MW37	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW372	MW37	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW372	MW37	TOLUENE	SW8260	10	U	UG/L	10
MW372	MW37	TOLUENE-D8	SW8260	100		UG/L	0
MW372	MW37	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW372	MW37	TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	E160.1	209	=	MG/L	10
MW372	MW37	Total Xylenes	SW8260	10	U	UG/L	10
MW372	MW37	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW372	MW37	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW372	MW37	VANADIUM	SW6010	4.4	J	UG/L	0.42
MW372	MW37	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW372	MW37	ZINC	SW6010	44.3	=	UG/L	0.53
MW382	MW38	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW382	MW38	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW382	MW38	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW382	MW38	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW382	MW38	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW382	MW38	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW382	MW38	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW382	MW38	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW382	MW38	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW382	MW38	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW382	MW38	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW382	MW38	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	99		UG/L	0
MW382	MW38	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW382	MW38	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW382	MW38	2,4,6-TRIBROMOPHENOL	SW8270	77		UG/L	0
MW382	MW38	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW382	MW38	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW382	MW38	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW382	MW38	2,4-DINITROPHENOL	SW8270	50	U	UG/L	50
MW382	MW38	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW382	MW38	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW382	MW38	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW382	MW38	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW382	MW38	2-FLUOROBIPHENYL	SW8270	69		UG/L	0
MW382	MW38	2-FLUOROPHENOL	SW8270	84		UG/L	0
MW382	MW38	2-HEXANONE	SW8260	10	U	UG/L	10
MW382	MW38	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW382	MW38	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW382	MW38	2-NITROANILINE	SW8270	50	U	UG/L	50
MW382	MW38	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW382	MW38	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW382	MW38	3-NITROANILINE	SW8270	50	U	UG/L	50
MW382	MW38	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW382	MW38	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW382	MW38	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW382	MW38	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW382	MW38	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW382	MW38	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW382	MW38	4-NITROANILINE	SW8270	50	U	UG/L	50
MW382	MW38	4-NITROPHENOL	SW8270	50	UJ	UG/L	50
MW382	MW38	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW382	MW38	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW382	MW38	ACETONE	SW8260	10	U	UG/L	10
MW382	MW38	ALUMINUM	SW6010	653	J	UG/L	6.1
MW382	MW38	ANTHRACENE	SW8270	10	U	UG/L	10
MW382	MW38	ANTIMONY	SW6010	2.8	U	UG/L	2.4
MW382	MW38	ARSENIC	SW6010	2.4	U	UG/L	2.4
MW382	MW38	BARIUM	SW6010	63.6	J	UG/L	0.18

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW382	MW38	BENZENE	SW8260	10	U	UG/L	10
MW382	MW38	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW382	MW38	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW382	MW38	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW382	MW38	BENZO(g,h,i)PERYLENE	SW8270	10	UJ	UG/L	10
MW382	MW38	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW382	MW38	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW382	MW38	BERYLLIUM	SW6010	0.05	U	UG/L	0.046
MW382	MW38	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW382	MW38	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW382	MW38	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	15	U	UG/L	10
MW382	MW38	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW382	MW38	BROMOFORM	SW8260	10	U	UG/L	10
MW382	MW38	BROMOMETHANE	SW8260	10	U	UG/L	10
MW382	MW38	CADMIUM	SW6010	50.6	=	UG/L	0.15
MW382	MW38	CALCIUM	SW6010	28100	=	UG/L	8
MW382	MW38	CARBAZOLE	SW8270	10	U	UG/L	10
MW382	MW38	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW382	MW38	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW382	MW38	CHLORIDE (AS CL)	E325.1	10.2	=	MG/L	1
MW382	MW38	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW382	MW38	CHLOROETHANE	SW8260	10	U	UG/L	10
MW382	MW38	CHLOROFORM	SW8260	10	U	UG/L	10
MW382	MW38	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW382	MW38	CHROMIUM, TOTAL	SW6010	11.2	=	UG/L	0.79
MW382	MW38	CHRYSENE	SW8270	10	U	UG/L	10
MW382	MW38	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW382	MW38	COBALT	SW6010	2	U	UG/L	0.41
MW382	MW38	COPPER	SW6010	35.3	U	UG/L	0.59
MW382	MW38	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW382	MW38	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW382	MW38	DIBENZ(a,h)ANTHRACENE	SW8270	10	UJ	UG/L	10
MW382	MW38	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW382	MW38	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW382	MW38	DIBROMOFLUOROMETHANE	SW8260	100		UG/L	0
MW382	MW38	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW382	MW38	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW382	MW38	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW382	MW38	FLUORANTHENE	SW8270	10	U	UG/L	10
MW382	MW38	FLUORENE	SW8270	10	U	UG/L	10
MW382	MW38	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW382	MW38	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW382	MW38	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10

258 162

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW382	MW38	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW382	MW38	INDENO(1,2,3-c,d)PYRENE	SW8270	10	UJ	UG/L	10
MW382	MW38	IRON	SW6010	1750	=	UG/L	1.8
MW382	MW38	ISOPHORONE	SW8270	10	U	UG/L	10
MW382	MW38	LEAD	SW6010	6.8	U	UG/L	1
MW382	MW38	MAGNESIUM	SW6010	4960	J	UG/L	4.3
MW382	MW38	MANGANESE	SW6010	159	=	UG/L	0.063
MW382	MW38	MERCURY	SW7470	0.06	U	UG/L	0.06
MW382	MW38	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW382	MW38	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW382	MW38	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW382	MW38	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW382	MW38	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW382	MW38	NAPHTHALENE	SW8270	10	U	UG/L	10
MW382	MW38	NICKEL	SW6010	11.2	J	UG/L	0.44
MW382	MW38	NITROBENZENE	SW8270	10	U	UG/L	10
MW382	MW38	NITROBENZENE-D5	SW8270	86		UG/L	0
MW382	MW38	NITROGEN, AMMONIA (AS N)	E350.2	0.2	<	MG/L	0.2
MW382	MW38	NITROGEN, NITRATE-NITRITE	E353.2	3.22	=	MG/L	0.1
MW382	MW38	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW382	MW38	PHENANTHRENE	SW8270	10	U	UG/L	10
MW382	MW38	PHENOL	SW8270	10	U	UG/L	10
MW382	MW38	PHENOL-D5	SW8270	91		UG/L	0
MW382	MW38	POTASSIUM	SW6010	4370	U	UG/L	1290
MW382	MW38	PYRENE	SW8270	10	U	UG/L	10
MW382	MW38	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW382	MW38	SILVER	SW6010	0.57	U	UG/L	0.57
MW382	MW38	SODIUM	SW6010	10600	J	UG/L	112
MW382	MW38	STYRENE	SW8260	10	U	UG/L	10
MW382	MW38	SULFATE (AS SO4)	E375.4	16.1	=	MG/L	2
MW382	MW38	TERPHENYL-D14	SW8270	57		UG/L	0
MW382	MW38	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW382	MW38	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW382	MW38	TOLUENE	SW8260	10	U	UG/L	10
MW382	MW38	TOLUENE-D8	SW8260	100		UG/L	0
MW382	MW38	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW382	MW38	TOTAL ORGANIC CARBON	E415.2	11.9	=	MG/L	1
MW382	MW38	Total Xylenes	SW8260	10	U	UG/L	10
MW382	MW38	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW382	MW38	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW382	MW38	VANADIUM	SW6010	2.4	U	UG/L	0.42
MW382	MW38	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW382	MW38	ZINC	SW6010	91	=	UG/L	0.53

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW392	MW39	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW392	MW39	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW392	MW39	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW392	MW39	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW392	MW39	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW392	MW39	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW392	MW39	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW392	MW39	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW392	MW39	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW392	MW39	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW392	MW39	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW392	MW39	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	104		UG/L	0
MW392	MW39	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW392	MW39	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW392	MW39	2,4,6-TRIBROMOPHENOL	SW8270	61		UG/L	0
MW392	MW39	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW392	MW39	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW392	MW39	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW392	MW39	2,4-DINITROPHENOL	SW8270	50	UJ	UG/L	50
MW392	MW39	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW392	MW39	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW392	MW39	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW392	MW39	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW392	MW39	2-FLUOROBIPHENYL	SW8270	67		UG/L	0
MW392	MW39	2-FLUOROPHENOL	SW8270	71		UG/L	0
MW392	MW39	2-HEXANONE	SW8260	10	U	UG/L	10
MW392	MW39	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW392	MW39	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW392	MW39	2-NITROANILINE	SW8270	50	U	UG/L	50
MW392	MW39	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW392	MW39	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW392	MW39	3-NITROANILINE	SW8270	50	U	UG/L	50
MW392	MW39	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW392	MW39	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW392	MW39	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW392	MW39	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW392	MW39	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW392	MW39	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW392	MW39	4-NITROANILINE	SW8270	50	UJ	UG/L	50
MW392	MW39	4-NITROPHENOL	SW8270	50	UJ	UG/L	50
MW392	MW39	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW392	MW39	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW392	MW39	ACETONE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW392	MW39	ALUMINUM	SW6010	977	U	UG/L	6.1
MW392	MW39	ANTHRACENE	SW8270	10	U	UG/L	10
MW392	MW39	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW392	MW39	ARSENIC	SW6010	4.5	U	UG/L	2.4
MW392	MW39	BARIUM	SW6010	79	U	UG/L	0.18
MW392	MW39	BENZENE	SW8260	10	U	UG/L	10
MW392	MW39	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW392	MW39	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW392	MW39	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW392	MW39	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW392	MW39	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW392	MW39	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW392	MW39	BERYLLIUM	SW6010	0.14	U	UG/L	0.046
MW392	MW39	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW392	MW39	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW392	MW39	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW392	MW39	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW392	MW39	BROMOFORM	SW8260	10	U	UG/L	10
MW392	MW39	BROMOMETHANE	SW8260	10	U	UG/L	10
MW392	MW39	CADMIUM	SW6010	1.9	U	UG/L	0.15
MW392	MW39	CALCIUM	SW6010	30100	=	UG/L	8
MW392	MW39	CARBAZOLE	SW8270	10	U	UG/L	10
MW392	MW39	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW392	MW39	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW392	MW39	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW392	MW39	CHLOROETHANE	SW8260	10	U	UG/L	10
MW392	MW39	CHLOROFORM	SW8260	10	U	UG/L	10
MW392	MW39	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW392	MW39	CHROMIUM, TOTAL	SW6010	12.7	=	UG/L	0.79
MW392	MW39	CHRYSENE	SW8270	10	U	UG/L	10
MW392	MW39	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW392	MW39	COBALT	SW6010	7.9	J	UG/L	0.41
MW392	MW39	COPPER	SW6010	28.4	=	UG/L	0.59
MW392	MW39	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW392	MW39	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW392	MW39	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW392	MW39	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW392	MW39	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW392	MW39	DIBROMOFLUOROMETHANE	SW8260	102		UG/L	0
MW392	MW39	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW392	MW39	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW392	MW39	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW392	MW39	FLUORANTHENE	SW8270	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW392	MW39	FLUORENE	SW8270	10	U	UG/L	10
MW392	MW39	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW392	MW39	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW392	MW39	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW392	MW39	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW392	MW39	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW392	MW39	IRON	SW6010	2210	=	UG/L	1.8
MW392	MW39	ISOPHORONE	SW8270	10	U	UG/L	10
MW392	MW39	LEAD	SW6010	46.7	J	UG/L	1
MW392	MW39	MAGNESIUM	SW6010	8080	=	UG/L	4.3
MW392	MW39	MANGANESE	SW6010	189	=	UG/L	0.063
MW392	MW39	MERCURY	SW7470	0.06	U	UG/L	0.06
MW392	MW39	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW392	MW39	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW392	MW39	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW392	MW39	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW392	MW39	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW392	MW39	NAPHTHALENE	SW8270	10	U	UG/L	10
MW392	MW39	NICKEL	SW6010	9.1	U	UG/L	0.44
MW392	MW39	NITROBENZENE	SW8270	10	U	UG/L	10
MW392	MW39	NITROBENZENE-D5	SW8270	73		UG/L	0
MW392	MW39	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW392	MW39	PHENANTHRENE	SW8270	10	U	UG/L	10
MW392	MW39	PHENOL	SW8270	10	U	UG/L	10
MW392	MW39	PHENOL-D5	SW8270	76		UG/L	0
MW392	MW39	POTASSIUM	SW6010	2300	J	UG/L	1290
MW392	MW39	PYRENE	SW8270	10	U	UG/L	10
MW392	MW39	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW392	MW39	SILVER	SW6010	0.57	U	UG/L	0.57
MW392	MW39	SODIUM	SW6010	24200	J	UG/L	112
MW392	MW39	STYRENE	SW8260	10	U	UG/L	10
MW392	MW39	TERPHENYL-D14	SW8270	63		UG/L	0
MW392	MW39	TETRACHLOROETHYLENE(PCE)	SW8260	6	J	UG/L	10
MW392	MW39	THALLIUM	SW6010	3.2	U	UG/L	2.3
MW392	MW39	TOLUENE	SW8260	10	U	UG/L	10
MW392	MW39	TOLUENE-D8	SW8260	101		UG/L	0
MW392	MW39	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW392	MW39	Total Xylenes	SW8260	10	U	UG/L	10
MW392	MW39	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW392	MW39	TRICHLOROETHYLENE (TCE)	SW8260	5	J	UG/L	10
MW392	MW39	VANADIUM	SW6010	2.4	J	UG/L	0.42
MW392	MW39	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW392	MW39	ZINC	SW6010	68.9	=	UG/L	0.53

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW402	MW40	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW402	MW40	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW402	MW40	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW402	MW40	1,1-DICHLOROETHANE	SW8260	2	U	UG/L	10
MW402	MW40	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW402	MW40	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW402	MW40	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW402	MW40	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	95		UG/L	0
MW402	MW40	2-HEXANONE	SW8260	10	U	UG/L	10
MW402	MW40	ACETONE	SW8260	10	U	UG/L	10
MW402	MW40	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW402	MW40	ARSENIC	SW6010	2.4	U	UG/L	2.4
MW402	MW40	BENZENE	SW8260	10	U	UG/L	10
MW402	MW40	BERYLLIUM	SW6010	0.05	U	UG/L	0.05
MW402	MW40	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW402	MW40	BROMOFORM	SW8260	10	U	UG/L	10
MW402	MW40	BROMOMETHANE	SW8260	10	U	UG/L	10
MW402	MW40	CADMIUM	SW6010	0.15	U	UG/L	0.15
MW402	MW40	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW402	MW40	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW402	MW40	CHLOROBENZENE	SW8260	1	J	UG/L	10
MW402	MW40	CHLOROETHANE	SW8260	10	U	UG/L	10
MW402	MW40	CHLOROFORM	SW8260	10	U	UG/L	10
MW402	MW40	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW402	MW40	CHROMIUM, TOTAL	SW6010	2.6	U	UG/L	0.79
MW402	MW40	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW402	MW40	COPPER	SW6010	5.5	U	UG/L	0.59
MW402	MW40	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW402	MW40	DIBROMOFLUOROMETHANE	SW8260	97		UG/L	0
MW402	MW40	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW402	MW40	LEAD	SW6010	2	U	UG/L	1
MW402	MW40	MERCURY	SW7470	0.08	U	UG/L	0.06
MW402	MW40	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW402	MW40	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW402	MW40	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW402	MW40	NICKEL	SW6010	3.4	U	UG/L	0.44
MW402	MW40	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW402	MW40	SILVER	SW6010	0.57	U	UG/L	0.57
MW402	MW40	STYRENE	SW8260	10	U	UG/L	10
MW402	MW40	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW402	MW40	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW402	MW40	TOLUENE	SW8260	10	U	UG/L	10
MW402	MW40	TOLUENE-D8	SW8260	95		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW402	MW40	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW402	MW40	Total Xylenes	SW8260	10	U	UG/L	10
MW402	MW40	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW402	MW40	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW402	MW40	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW402	MW40	ZINC	SW6010	5	U	UG/L	0.53
MW412	MW41	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW412	MW41	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW412	MW41	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW412	MW41	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW412	MW41	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW412	MW41	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW412	MW41	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW412	MW41	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	105		UG/L	0
MW412	MW41	2-HEXANONE	SW8260	10	U	UG/L	10
MW412	MW41	ACETONE	SW8260	10	U	UG/L	10
MW412	MW41	ALUMINUM	SW6010	88.1	J	UG/L	6.1
MW412	MW41	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW412	MW41	ARSENIC	SW6010	2.4	U	UG/L	2.4
MW412	MW41	BARIUM	SW6010	151	J	UG/L	0.18
MW412	MW41	BENZENE	SW8260	10	U	UG/L	10
MW412	MW41	BERYLLIUM	SW6010	0.1	U	UG/L	0.046
MW412	MW41	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW412	MW41	BROMOFORM	SW8260	10	U	UG/L	10
MW412	MW41	BROMOMETHANE	SW8260	10	U	UG/L	10
MW412	MW41	CADMIUM	SW6010	2.4	J	UG/L	0.15
MW412	MW41	CALCIUM	SW6010	29200	=	UG/L	8
MW412	MW41	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW412	MW41	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW412	MW41	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW412	MW41	CHLOROETHANE	SW8260	10	U	UG/L	10
MW412	MW41	CHLOROFORM	SW8260	10	U	UG/L	10
MW412	MW41	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW412	MW41	CHROMIUM, TOTAL	SW6010	3.3	U	UG/L	0.79
MW412	MW41	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW412	MW41	COBALT	SW6010	1.3	U	UG/L	0.41
MW412	MW41	COPPER	SW6010	10.4	J	UG/L	0.59
MW412	MW41	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW412	MW41	DIBROMOFLUOROMETHANE	SW8260	99		UG/L	0
MW412	MW41	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW412	MW41	IRON	SW6010	871	=	UG/L	1.8
MW412	MW41	LEAD	SW6010	1.3	J	UG/L	1
MW412	MW41	MAGNESIUM	SW6010	9560	=	UG/L	4.3

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW412	MW41	MANGANESE	SW6010	132	=	UG/L	0.063
MW412	MW41	MERCURY	SW7470	0.06	U	UG/L	0.06
MW412	MW41	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW412	MW41	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW412	MW41	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW412	MW41	NICKEL	SW6010	5.7	J	UG/L	0.44
MW412	MW41	POTASSIUM	SW6010	3480	J	UG/L	1290
MW412	MW41	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW412	MW41	SILVER	SW6010	0.57	U	UG/L	0.57
MW412	MW41	SODIUM	SW6010	19500	J	UG/L	112
MW412	MW41	STYRENE	SW8260	10	U	UG/L	10
MW412	MW41	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW412	MW41	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW412	MW41	TOLUENE	SW8260	10	U	UG/L	10
MW412	MW41	TOLUENE-D8	SW8260	102		UG/L	0
MW412	MW41	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW412	MW41	Total Xylenes	SW8260	10	U	UG/L	10
MW412	MW41	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW412	MW41	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW412	MW41	VANADIUM	SW6010	1	J	UG/L	0.42
MW412	MW41	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW412	MW41	ZINC	SW6010	16.7	U	UG/L	0.53
MW422	MW42	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW422	MW42	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW422	MW42	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW422	MW42	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW422	MW42	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW422	MW42	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW422	MW42	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW422	MW42	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	103		UG/L	0
MW422	MW42	2-HEXANONE	SW8260	10	U	UG/L	10
MW422	MW42	ACETONE	SW8260	10	U	UG/L	10
MW422	MW42	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW422	MW42	ARSENIC	SW6010	4	U	UG/L	2.4
MW422	MW42	BENZENE	SW8260	10	U	UG/L	10
MW422	MW42	BERYLLIUM	SW6010	0.31	U	UG/L	0.046
MW422	MW42	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW422	MW42	BROMOFORM	SW8260	10	U	UG/L	10
MW422	MW42	BROMOMETHANE	SW8260	10	U	UG/L	10
MW422	MW42	CADMIUM	SW6010	1.3	U	UG/L	0.15
MW422	MW42	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW422	MW42	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW422	MW42	CHLOROBENZENE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW422	MW42	CHLOROETHANE	SW8260	10	U	UG/L	10
MW422	MW42	CHLOROFORM	SW8260	10	U	UG/L	10
MW422	MW42	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW422	MW42	CHROMIUM, TOTAL	SW6010	7	U	UG/L	0.79
MW422	MW42	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW422	MW42	COPPER	SW6010	31.7	=	UG/L	0.59
MW422	MW42	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW422	MW42	DIBROMOFLUOROMETHANE	SW8260	101		UG/L	0
MW422	MW42	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW422	MW42	LEAD	SW6010	6.4	J	UG/L	1
MW422	MW42	MERCURY	SW7470	0.06	J	UG/L	0.06
MW422	MW42	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW422	MW42	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW422	MW42	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW422	MW42	NICKEL	SW6010	14.8	U	UG/L	0.44
MW422	MW42	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW422	MW42	SILVER	SW6010	0.57	U	UG/L	0.57
MW422	MW42	STYRENE	SW8260	10	U	UG/L	10
MW422	MW42	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW422	MW42	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW422	MW42	TOLUENE	SW8260	10	U	UG/L	10
MW422	MW42	TOLUENE-D8	SW8260	102		UG/L	0
MW422	MW42	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW422	MW42	Total Xylenes	SW8260	10	U	UG/L	10
MW422	MW42	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW422	MW42	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW422	MW42	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW422	MW42	ZINC	SW6010	48.4	=	UG/L	0.53
MW442	MW44	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW442	MW44	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW442	MW44	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW442	MW44	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW442	MW44	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW442	MW44	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW442	MW44	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW442	MW44	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW442	MW44	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW442	MW44	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW442	MW44	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW442	MW44	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	102		UG/L	0
MW442	MW44	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW442	MW44	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW442	MW44	2,4,6-TRIBROMOPHENOL	SW8270	70		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW442	MW44	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW442	MW44	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW442	MW44	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW442	MW44	2,4-DINITROPHENOL	SW8270	50	UJ	UG/L	50
MW442	MW44	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW442	MW44	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW442	MW44	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW442	MW44	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW442	MW44	2-FLUOROBIPHENYL	SW8270	76		UG/L	0
MW442	MW44	2-FLUOROPHENOL	SW8270	83		UG/L	0
MW442	MW44	2-HEXANONE	SW8260	10	U	UG/L	10
MW442	MW44	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW442	MW44	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW442	MW44	2-NITROANILINE	SW8270	50	U	UG/L	50
MW442	MW44	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW442	MW44	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW442	MW44	3-NITROANILINE	SW8270	50	U	UG/L	50
MW442	MW44	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW442	MW44	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW442	MW44	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW442	MW44	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW442	MW44	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW442	MW44	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW442	MW44	4-NITROANILINE	SW8270	50	UJ	UG/L	50
MW442	MW44	4-NITROPHENOL	SW8270	50	UJ	UG/L	50
MW442	MW44	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW442	MW44	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW442	MW44	ACETONE	SW8260	10	U	UG/L	10
MW442	MW44	ANTHRACENE	SW8270	10	U	UG/L	10
MW442	MW44	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW442	MW44	ARSENIC	SW6010	2.4	U	UG/L	2.4
MW442	MW44	BENZENE	SW8260	10	U	UG/L	10
MW442	MW44	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW442	MW44	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW442	MW44	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW442	MW44	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW442	MW44	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW442	MW44	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW442	MW44	BERYLLIUM	SW6010	0.1	U	UG/L	0.046
MW442	MW44	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW442	MW44	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW442	MW44	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW442	MW44	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW442	MW44	BROMOFORM	SW8260	10	U	UG/L	10
MW442	MW44	BROMOMETHANE	SW8260	10	U	UG/L	10
MW442	MW44	CADMIUM	SW6010	0.15	U	UG/L	0.15
MW442	MW44	CARBAZOLE	SW8270	10	U	UG/L	10
MW442	MW44	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW442	MW44	CARBON TETRACHLORIDE	SW8260	6	J	UG/L	10
MW442	MW44	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW442	MW44	CHLOROETHANE	SW8260	10	U	UG/L	10
MW442	MW44	CHLOROFORM	SW8260	6	J	UG/L	10
MW442	MW44	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW442	MW44	CHROMIUM, TOTAL	SW6010	5.9	U	UG/L	0.79
MW442	MW44	CHRYSENE	SW8270	10	U	UG/L	10
MW442	MW44	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW442	MW44	COPPER	SW6010	4.4	U	UG/L	0.59
MW442	MW44	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW442	MW44	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW442	MW44	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW442	MW44	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW442	MW44	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW442	MW44	DIBROMOFLUOROMETHANE	SW8260	100		UG/L	0
MW442	MW44	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW442	MW44	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW442	MW44	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW442	MW44	FLUORANTHENE	SW8270	10	U	UG/L	10
MW442	MW44	FLUORENE	SW8270	10	U	UG/L	10
MW442	MW44	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW442	MW44	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW442	MW44	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW442	MW44	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW442	MW44	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW442	MW44	ISOPHORONE	SW8270	10	U	UG/L	10
MW442	MW44	LEAD	SW6010	1	U	UG/L	1
MW442	MW44	MERCURY	SW7470	0.06	U	UG/L	0.06
MW442	MW44	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW442	MW44	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	3	J	UG/L	10
MW442	MW44	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW442	MW44	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW442	MW44	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW442	MW44	NAPHTHALENE	SW8270	10	U	UG/L	10
MW442	MW44	NICKEL	SW6010	5	U	UG/L	0.44
MW442	MW44	NITROBENZENE	SW8270	10	U	UG/L	10
MW442	MW44	NITROBENZENE-D5	SW8270	86		UG/L	0
MW442	MW44	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5

258 172

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW442	MW44	PHENANTHRENE	SW8270	10	U	UG/L	10
MW442	MW44	PHENOL	SW8270	10	U	UG/L	10
MW442	MW44	PHENOL-D5	SW8270	90		UG/L	0
MW442	MW44	PYRENE	SW8270	10	U	UG/L	10
MW442	MW44	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW442	MW44	SILVER	SW6010	0.57	U	UG/L	0.57
MW442	MW44	STYRENE	SW8260	10	U	UG/L	10
MW442	MW44	TERPHENYL-D14	SW8270	82		UG/L	0
MW442	MW44	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW442	MW44	THALLIUM	SW6010	2.7	U	UG/L	2.3
MW442	MW44	TOLUENE	SW8260	10	U	UG/L	10
MW442	MW44	TOLUENE-D8	SW8260	99		UG/L	0
MW442	MW44	TOTAL 1,2-DICHLOROETHENE	SW8260	2	J	UG/L	10
MW442	MW44	Total Xylenes	SW8260	10	U	UG/L	10
MW442	MW44	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW442	MW44	TRICHLOROETHYLENE (TCE)	SW8260	4	J	UG/L	10
MW442	MW44	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW442	MW44	ZINC	SW6010	14	U	UG/L	0.53
MW452	MW45	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW452	MW45	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW452	MW45	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW452	MW45	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW452	MW45	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW452	MW45	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW452	MW45	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW452	MW45	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW452	MW45	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW452	MW45	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW452	MW45	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW452	MW45	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	105		UG/L	0
MW452	MW45	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW452	MW45	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW452	MW45	2,4,6-TRIBROMOPHENOL	SW8270	77		UG/L	0
MW452	MW45	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW452	MW45	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW452	MW45	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW452	MW45	2,4-DINITROPHENOL	SW8270	50	U	UG/L	50
MW452	MW45	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW452	MW45	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW452	MW45	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW452	MW45	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW452	MW45	2-FLUOROBIPHENYL	SW8270	80		UG/L	0
MW452	MW45	2-FLUOROPHENOL	SW8270	81		UG/L	0

258 173

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW452	MW45	2-HEXANONE	SW8260	10	U	UG/L	10
MW452	MW45	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW452	MW45	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW452	MW45	2-NITROANILINE	SW8270	50	U	UG/L	50
MW452	MW45	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW452	MW45	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW452	MW45	3-NITROANILINE	SW8270	50	U	UG/L	50
MW452	MW45	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW452	MW45	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW452	MW45	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW452	MW45	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW452	MW45	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW452	MW45	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW452	MW45	4-NITROANILINE	SW8270	50	U	UG/L	50
MW452	MW45	4-NITROPHENOL	SW8270	50	UJ	UG/L	50
MW452	MW45	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW452	MW45	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW452	MW45	ACETONE	SW8260	10	U	UG/L	10
MW452	MW45	ALUMINUM	SW6010	1470	J	UG/L	6.1
MW452	MW45	ANTHRACENE	SW8270	10	U	UG/L	10
MW452	MW45	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW452	MW45	ARSENIC	SW6010	4.4	J	UG/L	2.4
MW452	MW45	BARIUM	SW6010	88.6	J	UG/L	0.18
MW452	MW45	BENZENE	SW8260	10	U	UG/L	10
MW452	MW45	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW452	MW45	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW452	MW45	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW452	MW45	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW452	MW45	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW452	MW45	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW452	MW45	BERYLLIUM	SW6010	0.24	U	UG/L	0.046
MW452	MW45	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW452	MW45	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW452	MW45	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW452	MW45	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW452	MW45	BROMOFORM	SW8260	10	U	UG/L	10
MW452	MW45	BROMOMETHANE	SW8260	10	U	UG/L	10
MW452	MW45	CADMIUM	SW6010	0.68	U	UG/L	0.15
MW452	MW45	CALCIUM	SW6010	29500	=	UG/L	8
MW452	MW45	CARBAZOLE	SW8270	10	U	UG/L	10
MW452	MW45	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW452	MW45	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW452	MW45	CHLOROBENZENE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW452	MW45	CHLOROETHANE	SW8260	10	U	UG/L	10
MW452	MW45	CHLOROFORM	SW8260	10	U	UG/L	10
MW452	MW45	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW452	MW45	CHROMIUM, TOTAL	SW6010	11.7	=	UG/L	0.79
MW452	MW45	CHRYSENE	SW8270	10	U	UG/L	10
MW452	MW45	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW452	MW45	COBALT	SW6010	2.1	U	UG/L	0.41
MW452	MW45	COPPER	SW6010	8.9	U	UG/L	0.59
MW452	MW45	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW452	MW45	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW452	MW45	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW452	MW45	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW452	MW45	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW452	MW45	DIBROMOFLUOROMETHANE	SW8260	102		UG/L	0
MW452	MW45	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW452	MW45	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW452	MW45	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW452	MW45	FLUORANTHENE	SW8270	10	U	UG/L	10
MW452	MW45	FLUORENE	SW8270	10	U	UG/L	10
MW452	MW45	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW452	MW45	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW452	MW45	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW452	MW45	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW452	MW45	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW452	MW45	IRON	SW6010	9740	=	UG/L	1.8
MW452	MW45	ISOPHORONE	SW8270	10	U	UG/L	10
MW452	MW45	LEAD	SW6010	1.2	U	UG/L	1
MW452	MW45	MAGNESIUM	SW6010	15200	=	UG/L	4.3
MW452	MW45	MANGANESE	SW6010	23	=	UG/L	0.063
MW452	MW45	MERCURY	SW7470	0.11	U	UG/L	0.06
MW452	MW45	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW452	MW45	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW452	MW45	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW452	MW45	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW452	MW45	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW452	MW45	NAPHTHALENE	SW8270	10	U	UG/L	10
MW452	MW45	NICKEL	SW6010	5.1	U	UG/L	0.44
MW452	MW45	NITROBENZENE	SW8270	10	U	UG/L	10
MW452	MW45	NITROBENZENE-D5	SW8270	98		UG/L	0
MW452	MW45	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW452	MW45	PHENANTHRENE	SW8270	10	U	UG/L	10
MW452	MW45	PHENOL	SW8270	10	U	UG/L	10
MW452	MW45	PHENOL-D5	SW8270	92		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW452	MW45	POTASSIUM	SW6010	1360	J	UG/L	1290
MW452	MW45	PYRENE	SW8270	10	U	UG/L	10
MW452	MW45	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW452	MW45	SILVER	SW6010	0.57	U	UG/L	0.57
MW452	MW45	SODIUM	SW6010	15800	J	UG/L	112
MW452	MW45	STYRENE	SW8260	10	U	UG/L	10
MW452	MW45	TERPHENYL-D14	SW8270	91		UG/L	0
MW452	MW45	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW452	MW45	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW452	MW45	TOLUENE	SW8260	10	U	UG/L	10
MW452	MW45	TOLUENE-D8	SW8260	104		UG/L	0
MW452	MW45	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW452	MW45	Total Xylenes	SW8260	10	U	UG/L	10
MW452	MW45	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW452	MW45	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW452	MW45	VANADIUM	SW6010	9.3	J	UG/L	0.42
MW452	MW45	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW452	MW45	ZINC	SW6010	44.1	=	UG/L	0.53
MW462	MW46	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW462	MW46	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW462	MW46	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW462	MW46	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW462	MW46	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW462	MW46	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW462	MW46	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW462	MW46	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW462	MW46	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW462	MW46	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW462	MW46	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW462	MW46	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	103		UG/L	0
MW462	MW46	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW462	MW46	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW462	MW46	2,4,6-TRIBROMOPHENOL	SW8270	54		UG/L	0
MW462	MW46	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW462	MW46	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW462	MW46	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW462	MW46	2,4-DINITROPHENOL	SW8270	50	UJ	UG/L	50
MW462	MW46	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW462	MW46	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW462	MW46	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW462	MW46	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW462	MW46	2-FLUOROBIPHENYL	SW8270	52		UG/L	0
MW462	MW46	2-FLUOROPHENOL	SW8270	40		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW462	MW46	2-HEXANONE	SW8260	10	U	UG/L	10
MW462	MW46	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW462	MW46	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW462	MW46	2-NITROANILINE	SW8270	50	U	UG/L	50
MW462	MW46	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW462	MW46	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW462	MW46	3-NITROANILINE	SW8270	50	U	UG/L	50
MW462	MW46	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	UJ	UG/L	60
MW462	MW46	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW462	MW46	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW462	MW46	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW462	MW46	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW462	MW46	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW462	MW46	4-NITROANILINE	SW8270	50	U	UG/L	50
MW462	MW46	4-NITROPHENOL	SW8270	50	U	UG/L	50
MW462	MW46	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW462	MW46	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW462	MW46	ACETONE	SW8260	10	U	UG/L	10
MW462	MW46	ALUMINUM	SW6010	129	J	UG/L	6.1
MW462	MW46	ANTHRACENE	SW8270	10	U	UG/L	10
MW462	MW46	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW462	MW46	ARSENIC	SW6010	2.8	J	UG/L	2.4
MW462	MW46	BARIUM	SW6010	64.5	J	UG/L	0.18
MW462	MW46	BENZENE	SW8260	10	U	UG/L	10
MW462	MW46	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW462	MW46	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW462	MW46	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW462	MW46	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW462	MW46	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW462	MW46	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW462	MW46	BERYLLIUM	SW6010	0.14	U	UG/L	0.046
MW462	MW46	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW462	MW46	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW462	MW46	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW462	MW46	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW462	MW46	BROMOFORM	SW8260	10	U	UG/L	10
MW462	MW46	BROMOMETHANE	SW8260	10	U	UG/L	10
MW462	MW46	CADMIUM	SW6010	0.68	U	UG/L	0.15
MW462	MW46	CALCIUM	SW6010	16500	=	UG/L	8
MW462	MW46	CARBAZOLE	SW8270	10	U	UG/L	10
MW462	MW46	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW462	MW46	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW462	MW46	CHLOROBENZENE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW462	MW46	CHLOROETHANE	SW8260	10	U	UG/L	10
MW462	MW46	CHLOROFORM	SW8260	10	U	UG/L	10
MW462	MW46	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW462	MW46	CHROMIUM, TOTAL	SW6010	3	U	UG/L	0.79
MW462	MW46	CHRYSENE	SW8270	10	U	UG/L	10
MW462	MW46	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW462	MW46	COBALT	SW6010	0.89	U	UG/L	0.41
MW462	MW46	COPPER	SW6010	12.2	J	UG/L	0.59
MW462	MW46	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW462	MW46	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW462	MW46	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW462	MW46	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW462	MW46	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW462	MW46	DIBROMOFLUOROMETHANE	SW8260	103		UG/L	0
MW462	MW46	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW462	MW46	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW462	MW46	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW462	MW46	FLUORANTHENE	SW8270	10	U	UG/L	10
MW462	MW46	FLUORENE	SW8270	10	U	UG/L	10
MW462	MW46	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW462	MW46	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW462	MW46	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW462	MW46	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW462	MW46	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW462	MW46	IRON	SW6010	1590	=	UG/L	1.8
MW462	MW46	ISOPHORONE	SW8270	10	U	UG/L	10
MW462	MW46	LEAD	SW6010	1.2	J	UG/L	1
MW462	MW46	MAGNESIUM	SW6010	8230	=	UG/L	4.3
MW462	MW46	MANGANESE	SW6010	8.6	J	UG/L	0.063
MW462	MW46	MERCURY	SW7470	0.06	U	UG/L	0.06
MW462	MW46	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW462	MW46	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW462	MW46	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW462	MW46	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW462	MW46	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW462	MW46	NAPHTHALENE	SW8270	10	U	UG/L	10
MW462	MW46	NICKEL	SW6010	4.9	J	UG/L	0.44
MW462	MW46	NITROBENZENE	SW8270	10	U	UG/L	10
MW462	MW46	NITROBENZENE-D5	SW8270	58		UG/L	0
MW462	MW46	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW462	MW46	PHENANTHRENE	SW8270	10	U	UG/L	10
MW462	MW46	PHENOL	SW8270	10	U	UG/L	10
MW462	MW46	PHENOL-D5	SW8270	35		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW462	MW46	POTASSIUM	SW6010	361	J	UG/L	1290
MW462	MW46	PYRENE	SW8270	10	U	UG/L	10
MW462	MW46	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW462	MW46	SILVER	SW6010	0.57	U	UG/L	0.57
MW462	MW46	SODIUM	SW6010	25500	=	UG/L	112
MW462	MW46	STYRENE	SW8260	10	U	UG/L	10
MW462	MW46	TERPHENYL-D14	SW8270	55		UG/L	0
MW462	MW46	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW462	MW46	THALLIUM	SW6010	3.7	U	UG/L	2.3
MW462	MW46	TOLUENE	SW8260	10	U	UG/L	10
MW462	MW46	TOLUENE-D8	SW8260	104		UG/L	0
MW462	MW46	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW462	MW46	Total Xylenes	SW8260	10	U	UG/L	10
MW462	MW46	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW462	MW46	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW462	MW46	VANADIUM	SW6010	1.2	J	UG/L	0.42
MW462	MW46	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW462	MW46	ZINC	SW6010	14.3	U	UG/L	0.53
MW472	MW47	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW472	MW47	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW472	MW47	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW472	MW47	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW472	MW47	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW472	MW47	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW472	MW47	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW472	MW47	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW472	MW47	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW472	MW47	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW472	MW47	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW472	MW47	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	103		UG/L	0
MW472	MW47	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW472	MW47	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW472	MW47	2,4,6-TRIBROMOPHENOL	SW8270	49		UG/L	0
MW472	MW47	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW472	MW47	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW472	MW47	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW472	MW47	2,4-DINITROPHENOL	SW8270	50	UJ	UG/L	50
MW472	MW47	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW472	MW47	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW472	MW47	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW472	MW47	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW472	MW47	2-FLUOROBIPHENYL	SW8270	68		UG/L	0
MW472	MW47	2-FLUOROPHENOL	SW8270	62		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW472	MW47	2-HEXANONE	SW8260	10	U	UG/L	10
MW472	MW47	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW472	MW47	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW472	MW47	2-NITROANILINE	SW8270	50	U	UG/L	50
MW472	MW47	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW472	MW47	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW472	MW47	3-NITROANILINE	SW8270	50	U	UG/L	50
MW472	MW47	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	UJ	UG/L	50
MW472	MW47	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW472	MW47	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW472	MW47	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW472	MW47	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW472	MW47	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW472	MW47	4-NITROANILINE	SW8270	50	U	UG/L	50
MW472	MW47	4-NITROPHENOL	SW8270	50	U	UG/L	50
MW472	MW47	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW472	MW47	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW472	MW47	ACETONE	SW8260	10	U	UG/L	10
MW472	MW47	ALUMINUM	SW6010	158	J	UG/L	6.1
MW472	MW47	ANTHRACENE	SW8270	10	U	UG/L	10
MW472	MW47	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW472	MW47	ARSENIC	SW6010	2.4	U	UG/L	2.4
MW472	MW47	BARIUM	SW6010	113	J	UG/L	0.18
MW472	MW47	BENZENE	SW8260	10	U	UG/L	10
MW472	MW47	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW472	MW47	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW472	MW47	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW472	MW47	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW472	MW47	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW472	MW47	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW472	MW47	BERYLLIUM	SW6010	0.09	U	UG/L	0.046
MW472	MW47	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW472	MW47	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW472	MW47	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW472	MW47	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW472	MW47	BROMOFORM	SW8260	10	U	UG/L	10
MW472	MW47	BROMOMETHANE	SW8260	10	U	UG/L	10
MW472	MW47	CADMIUM	SW6010	1.8	U	UG/L	0.15
MW472	MW47	CALCIUM	SW6010	26900	=	UG/L	8
MW472	MW47	CARBAZOLE	SW8270	10	U	UG/L	10
MW472	MW47	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW472	MW47	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW472	MW47	CHLOROBENZENE	SW8260	10	U	UG/L	10

258 180

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW472	MW47	CHLOROETHANE	SW8260	10	U	UG/L	10
MW472	MW47	CHLOROFORM	SW8260	10	U	UG/L	10
MW472	MW47	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW472	MW47	CHROMIUM, TOTAL	SW6010	6	U	UG/L	0.79
MW472	MW47	CHRYSENE	SW8270	10	U	UG/L	10
MW472	MW47	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW472	MW47	COBALT	SW6010	2.1	U	UG/L	0.41
MW472	MW47	COPPER	SW6010	0.59	U	UG/L	0.59
MW472	MW47	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW472	MW47	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW472	MW47	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW472	MW47	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW472	MW47	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW472	MW47	DIBROMOFLUOROMETHANE	SW8260	100		UG/L	0
MW472	MW47	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW472	MW47	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW472	MW47	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW472	MW47	FLUORANTHENE	SW8270	10	U	UG/L	10
MW472	MW47	FLUORENE	SW8270	10	U	UG/L	10
MW472	MW47	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW472	MW47	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW472	MW47	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW472	MW47	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW472	MW47	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW472	MW47	IRON	SW6010	585	=	UG/L	1.8
MW472	MW47	ISOPHORONE	SW8270	10	U	UG/L	10
MW472	MW47	LEAD	SW6010	1	U	UG/L	1
MW472	MW47	MAGNESIUM	SW6010	13400	=	UG/L	4.3
MW472	MW47	MANGANESE	SW6010	11.6	J	UG/L	0.063
MW472	MW47	MERCURY	SW7470	0.07	U	UG/L	0.06
MW472	MW47	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW472	MW47	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW472	MW47	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW472	MW47	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW472	MW47	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW472	MW47	NAPHTHALENE	SW8270	10	U	UG/L	10
MW472	MW47	NICKEL	SW6010	3.4	U	UG/L	0.44
MW472	MW47	NITROBENZENE	SW8270	10	U	UG/L	10
MW472	MW47	NITROBENZENE-D5	SW8270	72		UG/L	0
MW472	MW47	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW472	MW47	PHENANTHRENE	SW8270	10	U	UG/L	10
MW472	MW47	PHENOL	SW8270	10	U	UG/L	10
MW472	MW47	PHENOL-D5	SW8270	66		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW472	MW47	POTASSIUM	SW6010	2120	J	UG/L	1290
MW472	MW47	PYRENE	SW8270	10	U	UG/L	10
MW472	MW47	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW472	MW47	SILVER	SW6010	0.57	U	UG/L	0.57
MW472	MW47	SODIUM	SW6010	24300	=	UG/L	112
MW472	MW47	STYRENE	SW8260	10	U	UG/L	10
MW472	MW47	TERPHENYL-D14	SW8270	66		UG/L	0
MW472	MW47	TETRACHLOROETHYLENE(PCE)	SW8260	2	U	UG/L	10
MW472	MW47	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW472	MW47	TOLUENE	SW8260	10	U	UG/L	10
MW472	MW47	TOLUENE-D8	SW8260	101		UG/L	0
MW472	MW47	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW472	MW47	Total Xylenes	SW8260	10	U	UG/L	10
MW472	MW47	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW472	MW47	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW472	MW47	VANADIUM	SW6010	0.76	J	UG/L	0.42
MW472	MW47	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW472	MW47	ZINC	SW6010	4.3	U	UG/L	0.53
MW482	MW48	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW482	MW48	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW482	MW48	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW482	MW48	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW482	MW48	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW482	MW48	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW482	MW48	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW482	MW48	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW482	MW48	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW482	MW48	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW482	MW48	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW482	MW48	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	104		UG/L	0
MW482	MW48	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW482	MW48	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW482	MW48	2,4,6-TRIBROMOPHENOL	SW8270	66		UG/L	0
MW482	MW48	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW482	MW48	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW482	MW48	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW482	MW48	2,4-DINITROPHENOL	SW8270	50	U	UG/L	50
MW482	MW48	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW482	MW48	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW482	MW48	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW482	MW48	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW482	MW48	2-FLUOROBIPHENYL	SW8270	74		UG/L	0
MW482	MW48	2-FLUOROPHENOL	SW8270	73		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW482	MW48	2-HEXANONE	SW8260	10	U	UG/L	10
MW482	MW48	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW482	MW48	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW482	MW48	2-NITROANILINE	SW8270	50	U	UG/L	50
MW482	MW48	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW482	MW48	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW482	MW48	3-NITROANILINE	SW8270	50	U	UG/L	50
MW482	MW48	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW482	MW48	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW482	MW48	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW482	MW48	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW482	MW48	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW482	MW48	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW482	MW48	4-NITROANILINE	SW8270	50	U	UG/L	50
MW482	MW48	4-NITROPHENOL	SW8270	50	U	UG/L	50
MW482	MW48	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW482	MW48	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW482	MW48	ACETONE	SW8260	10	U	UG/L	10
MW482	MW48	ALUMINUM	SW6010	426	J	UG/L	6.1
MW482	MW48	ANTHRACENE	SW8270	10	U	UG/L	10
MW482	MW48	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW482	MW48	ARSENIC	SW6010	2.5	J	UG/L	2.4
MW482	MW48	BARIUM	SW6010	89.2	J	UG/L	0.18
MW482	MW48	BENZENE	SW8260	10	U	UG/L	10
MW482	MW48	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW482	MW48	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW482	MW48	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW482	MW48	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW482	MW48	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW482	MW48	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW482	MW48	BERYLLIUM	SW6010	0.14	U	UG/L	0.046
MW482	MW48	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW482	MW48	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW482	MW48	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW482	MW48	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW482	MW48	BROMOFORM	SW8260	10	U	UG/L	10
MW482	MW48	BROMOMETHANE	SW8260	10	U	UG/L	10
MW482	MW48	CADMIUM	SW6010	0.16	U	UG/L	0.15
MW482	MW48	CALCIUM	SW6010	15600	=	UG/L	8
MW482	MW48	CARBAZOLE	SW8270	10	U	UG/L	10
MW482	MW48	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW482	MW48	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW482	MW48	CHLOROBENZENE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW482	MW48	CHLOROETHANE	SW8260	10	U	UG/L	10
MW482	MW48	CHLOROFORM	SW8260	10	U	UG/L	10
MW482	MW48	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW482	MW48	CHROMIUM, TOTAL	SW6010	4.6	U	UG/L	0.79
MW482	MW48	CHRYSENE	SW8270	10	U	UG/L	10
MW482	MW48	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW482	MW48	COBALT	SW6010	0.73	U	UG/L	0.41
MW482	MW48	COPPER	SW6010	0.59	U	UG/L	0.59
MW482	MW48	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW482	MW48	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW482	MW48	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW482	MW48	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW482	MW48	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW482	MW48	DIBROMOFLUOROMETHANE	SW8260	102		UG/L	0
MW482	MW48	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW482	MW48	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW482	MW48	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW482	MW48	FLUORANTHENE	SW8270	10	U	UG/L	10
MW482	MW48	FLUORENE	SW8270	10	U	UG/L	10
MW482	MW48	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW482	MW48	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW482	MW48	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW482	MW48	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW482	MW48	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW482	MW48	IRON	SW6010	1630	=	UG/L	1.8
MW482	MW48	ISOPHORONE	SW8270	10	U	UG/L	10
MW482	MW48	LEAD	SW6010	1.4	J	UG/L	1
MW482	MW48	MAGNESIUM	SW6010	8130	=	UG/L	4.3
MW482	MW48	MANGANESE	SW6010	8	J	UG/L	0.063
MW482	MW48	MERCURY	SW7470	0.06	U	UG/L	0.06
MW482	MW48	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW482	MW48	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW482	MW48	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW482	MW48	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW482	MW48	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW482	MW48	NAPHTHALENE	SW8270	10	U	UG/L	10
MW482	MW48	NICKEL	SW6010	2	U	UG/L	0.44
MW482	MW48	NITROBENZENE	SW8270	10	U	UG/L	10
MW482	MW48	NITROBENZENE-D5	SW8270	81		UG/L	0
MW482	MW48	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW482	MW48	PHENANTHRENE	SW8270	10	U	UG/L	10
MW482	MW48	PHENOL	SW8270	10	U	UG/L	10
MW482	MW48	PHENOL-D5	SW8270	81		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW482	MW48	POTASSIUM	SW6010	1290	J	UG/L	1290
MW482	MW48	PYRENE	SW8270	10	U	UG/L	10
MW482	MW48	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW482	MW48	SILVER	SW6010	0.57	U	UG/L	0.57
MW482	MW48	SODIUM	SW6010	20300	J	UG/L	112
MW482	MW48	STYRENE	SW8260	10	U	UG/L	10
MW482	MW48	TERPHENYL-D14	SW8270	82		UG/L	0
MW482	MW48	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW482	MW48	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW482	MW48	TOLUENE	SW8260	10	U	UG/L	10
MW482	MW48	TOLUENE-D8	SW8260	101		UG/L	0
MW482	MW48	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW482	MW48	Total Xylenes	SW8260	10	U	UG/L	10
MW482	MW48	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW482	MW48	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW482	MW48	VANADIUM	SW6010	1.8	J	UG/L	0.42
MW482	MW48	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW482	MW48	ZINC	SW6010	5	U	UG/L	0.53
MW492	MW49	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW492	MW49	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW492	MW49	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW492	MW49	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW492	MW49	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW492	MW49	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW492	MW49	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW492	MW49	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW492	MW49	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW492	MW49	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW492	MW49	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW492	MW49	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	106		UG/L	0
MW492	MW49	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW492	MW49	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW492	MW49	2,4,6-TRIBROMOPHENOL	SW8270	53		UG/L	0
MW492	MW49	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW492	MW49	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW492	MW49	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW492	MW49	2,4-DINITROPHENOL	SW8270	50	UJ	UG/L	50
MW492	MW49	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW492	MW49	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW492	MW49	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW492	MW49	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW492	MW49	2-FLUOROBIPHENYL	SW8270	60		UG/L	0
MW492	MW49	2-FLUOROPHENOL	SW8270	42		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW492	MW49	2-HEXANONE	SW8260	10	U	UG/L	10
MW492	MW49	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW492	MW49	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW492	MW49	2-NITROANILINE	SW8270	50	U	UG/L	50
MW492	MW49	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW492	MW49	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW492	MW49	3-NITROANILINE	SW8270	50	U	UG/L	50
MW492	MW49	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	UJ	UG/L	50
MW492	MW49	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW492	MW49	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW492	MW49	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW492	MW49	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW492	MW49	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW492	MW49	4-NITROANILINE	SW8270	50	U	UG/L	50
MW492	MW49	4-NITROPHENOL	SW8270	50	U	UG/L	50
MW492	MW49	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW492	MW49	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW492	MW49	ACETONE	SW8260	10	U	UG/L	10
MW492	MW49	ALUMINUM	SW6010	39.3	J	UG/L	6.1
MW492	MW49	ANTHRACENE	SW8270	10	U	UG/L	10
MW492	MW49	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW492	MW49	ARSENIC	SW6010	2.4	U	UG/L	2.4
MW492	MW49	BARIUM	SW6010	79.2	J	UG/L	0.18
MW492	MW49	BENZENE	SW8260	10	U	UG/L	10
MW492	MW49	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW492	MW49	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW492	MW49	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW492	MW49	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW492	MW49	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW492	MW49	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW492	MW49	BERYLLIUM	SW6010	0.17	U	UG/L	0.046
MW492	MW49	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW492	MW49	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW492	MW49	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW492	MW49	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW492	MW49	BROMOFORM	SW8260	10	U	UG/L	10
MW492	MW49	BROMOMETHANE	SW8260	10	U	UG/L	10
MW492	MW49	CADMIUM	SW6010	0.19	U	UG/L	0.15
MW492	MW49	CALCIUM	SW6010	13800	=	UG/L	8
MW492	MW49	CARBAZOLE	SW8270	10	U	UG/L	10
MW492	MW49	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW492	MW49	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW492	MW49	CHLOROBENZENE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW492	MW49	CHLOROETHANE	SW8260	10	U	UG/L	10
MW492	MW49	CHLOROFORM	SW8260	10	U	UG/L	10
MW492	MW49	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW492	MW49	CHROMIUM, TOTAL	SW6010	2.5	U	UG/L	0.79
MW492	MW49	CHRYSENE	SW8270	10	U	UG/L	10
MW492	MW49	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW492	MW49	COBALT	SW6010	0.72	U	UG/L	0.41
MW492	MW49	COPPER	SW6010	5.1	U	UG/L	0.59
MW492	MW49	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW492	MW49	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW492	MW49	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW492	MW49	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW492	MW49	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW492	MW49	DIBROMOFLUOROMETHANE	SW8260	106		UG/L	0
MW492	MW49	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW492	MW49	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW492	MW49	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW492	MW49	FLUORANTHENE	SW8270	10	U	UG/L	10
MW492	MW49	FLUORENE	SW8270	10	U	UG/L	10
MW492	MW49	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW492	MW49	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW492	MW49	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW492	MW49	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW492	MW49	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW492	MW49	IRON	SW6010	162	=	UG/L	1.8
MW492	MW49	ISOPHORONE	SW8270	10	U	UG/L	10
MW492	MW49	LEAD	SW6010	4.1	=	UG/L	1
MW492	MW49	MAGNESIUM	SW6010	6680	=	UG/L	4.3
MW492	MW49	MANGANESE	SW6010	2.2	U	UG/L	0.063
MW492	MW49	MERCURY	SW7470	0.06	U	UG/L	0.06
MW492	MW49	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW492	MW49	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW492	MW49	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW492	MW49	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW492	MW49	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW492	MW49	NAPHTHALENE	SW8270	10	U	UG/L	10
MW492	MW49	NICKEL	SW6010	4.1	U	UG/L	0.44
MW492	MW49	NITROBENZENE	SW8270	10	U	UG/L	10
MW492	MW49	NITROBENZENE-D5	SW8270	63		UG/L	0
MW492	MW49	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW492	MW49	PHENANTHRENE	SW8270	10	U	UG/L	10
MW492	MW49	PHENOL	SW8270	10	U	UG/L	10
MW492	MW49	PHENOL-D5	SW8270	35		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW492	MW49	POTASSIUM	SW6010	627	J	UG/L	1290
MW492	MW49	PYRENE	SW8270	10	U	UG/L	10
MW492	MW49	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW492	MW49	SILVER	SW6010	0.57	U	UG/L	0.57
MW492	MW49	SODIUM	SW6010	11900	J	UG/L	112
MW492	MW49	STYRENE	SW8260	10	U	UG/L	10
MW492	MW49	TERPHENYL-D14	SW8270	63		UG/L	0
MW492	MW49	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW492	MW49	THALLIUM	SW6010	3.4	U	UG/L	2.3
MW492	MW49	TOLUENE	SW8260	10	U	UG/L	10
MW492	MW49	TOLUENE-D8	SW8260	106		UG/L	0
MW492	MW49	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW492	MW49	Total Xylenes	SW8260	10	U	UG/L	10
MW492	MW49	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW492	MW49	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW492	MW49	VANADIUM	SW6010	0.65	J	UG/L	0.42
MW492	MW49	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW492	MW49	ZINC	SW6010	10.3	U	UG/L	0.53
MW502	MW50	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW502	MW50	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW502	MW50	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW502	MW50	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW502	MW50	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW502	MW50	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW502	MW50	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW502	MW50	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW502	MW50	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW502	MW50	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW502	MW50	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW502	MW50	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	109		UG/L	0
MW502	MW50	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW502	MW50	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW502	MW50	2,4,6-TRIBROMOPHENOL	SW8270	75		UG/L	0
MW502	MW50	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW502	MW50	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW502	MW50	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW502	MW50	2,4-DINITROPHENOL	SW8270	50	U	UG/L	50
MW502	MW50	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW502	MW50	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW502	MW50	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW502	MW50	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW502	MW50	2-FLUOROBIPHENYL	SW8270	81		UG/L	0
MW502	MW50	2-FLUOROPHENOL	SW8270	79		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW502	MW50	2-HEXANONE	SW8260	10	U	UG/L	10
MW502	MW50	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW502	MW50	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW502	MW50	2-NITROANILINE	SW8270	50	U	UG/L	50
MW502	MW50	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW502	MW50	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW502	MW50	3-NITROANILINE	SW8270	50	U	UG/L	50
MW502	MW50	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW502	MW50	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW502	MW50	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW502	MW50	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW502	MW50	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW502	MW50	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW502	MW50	4-NITROANILINE	SW8270	50	U	UG/L	50
MW502	MW50	4-NITROPHENOL	SW8270	50	UJ	UG/L	50
MW502	MW50	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW502	MW50	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW502	MW50	ACETONE	SW8260	10	U	UG/L	10
MW502	MW50	ALUMINUM	SW6010	176	U	UG/L	6.1
MW502	MW50	ANTHRACENE	SW8270	10	U	UG/L	10
MW502	MW50	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW502	MW50	ARSENIC	SW6010	2.4	U	UG/L	2.4
MW502	MW50	BARIUM	SW6010	227	=	UG/L	0.18
MW502	MW50	BENZENE	SW8260	10	U	UG/L	10
MW502	MW50	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW502	MW50	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW502	MW50	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW502	MW50	BENZO(g,h,i)PERYLENE	SW8270	10	UJ	UG/L	10
MW502	MW50	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW502	MW50	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW502	MW50	BERYLLIUM	SW6010	0.05	U	UG/L	0.05
MW502	MW50	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW502	MW50	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW502	MW50	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW502	MW50	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW502	MW50	BROMOFORM	SW8260	10	U	UG/L	10
MW502	MW50	BROMOMETHANE	SW8260	10	U	UG/L	10
MW502	MW50	CADMIUM	SW6010	0.15	U	UG/L	0.15
MW502	MW50	CALCIUM	SW6010	45900	=	UG/L	8
MW502	MW50	CARBAZOLE	SW8270	10	U	UG/L	10
MW502	MW50	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW502	MW50	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW502	MW50	CHLOROBENZENE	SW8260	10	U	UG/L	10

258 189

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW502	MW50	CHLOROETHANE	SW8260	10	U	UG/L	10
MW502	MW50	CHLOROFORM	SW8260	10	U	UG/L	10
MW502	MW50	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW502	MW50	CHROMIUM, TOTAL	SW6010	2.4	U	UG/L	0.79
MW502	MW50	CHRYSENE	SW8270	10	U	UG/L	10
MW502	MW50	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW502	MW50	COBALT	SW6010	0.78	U	UG/L	0.41
MW502	MW50	COPPER	SW6010	10.2	U	UG/L	0.59
MW502	MW50	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW502	MW50	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW502	MW50	DIBENZ(a,h)ANTHRACENE	SW8270	10	UJ	UG/L	10
MW502	MW50	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW502	MW50	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW502	MW50	DIBROMOFLUOROMETHANE	SW8260	108		UG/L	0
MW502	MW50	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW502	MW50	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW502	MW50	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW502	MW50	FLUORANTHENE	SW8270	10	U	UG/L	10
MW502	MW50	FLUORENE	SW8270	10	U	UG/L	10
MW502	MW50	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW502	MW50	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW502	MW50	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW502	MW50	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW502	MW50	INDENO(1,2,3-c,d)PYRENE	SW8270	10	UJ	UG/L	10
MW502	MW50	IRON	SW6010	322	=	UG/L	1.8
MW502	MW50	ISOPHORONE	SW8270	10	U	UG/L	10
MW502	MW50	LEAD	SW6010	1.8	U	UG/L	1
MW502	MW50	MAGNESIUM	SW6010	20100	=	UG/L	4.3
MW502	MW50	MANGANESE	SW6010	30.8	=	UG/L	0.063
MW502	MW50	MERCURY	SW7470	0.07	U	UG/L	0.06
MW502	MW50	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW502	MW50	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW502	MW50	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW502	MW50	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW502	MW50	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW502	MW50	NAPHTHALENE	SW8270	10	U	UG/L	10
MW502	MW50	NICKEL	SW6010	3.4	U	UG/L	0.44
MW502	MW50	NITROBENZENE	SW8270	10	U	UG/L	10
MW502	MW50	NITROBENZENE-D5	SW8270	91		UG/L	0
MW502	MW50	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW502	MW50	PHENANTHRENE	SW8270	10	U	UG/L	10
MW502	MW50	PHENOL	SW8270	10	U	UG/L	10
MW502	MW50	PHENOL-D5	SW8270	83		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW502	MW50	POTASSIUM	SW6010	4560	U	UG/L	1290
MW502	MW50	PYRENE	SW8270	10	U	UG/L	10
MW502	MW50	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW502	MW50	SILVER	SW6010	0.57	U	UG/L	0.57
MW502	MW50	SODIUM	SW6010	56600	J	UG/L	112
MW502	MW50	STYRENE	SW8260	10	U	UG/L	10
MW502	MW50	TERPHENYL-D14	SW8270	75		UG/L	0
MW502	MW50	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW502	MW50	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW502	MW50	TOLUENE	SW8260	10	U	UG/L	10
MW502	MW50	TOLUENE-D8	SW8260	110		UG/L	0
MW502	MW50	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW502	MW50	Total Xylenes	SW8260	10	U	UG/L	10
MW502	MW50	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW502	MW50	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW502	MW50	VANADIUM	SW6010	0.74	J	UG/L	0.42
MW502	MW50	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW502	MW50	ZINC	SW6010	11.4	U	UG/L	0.53
MW512	MW51	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW512	MW51	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW512	MW51	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW512	MW51	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW512	MW51	1,1-DICHLOROETHENE	SW8260	6	J	UG/L	10
MW512	MW51	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW512	MW51	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW512	MW51	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW512	MW51	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW512	MW51	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW512	MW51	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW512	MW51	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	106		UG/L	0
MW512	MW51	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW512	MW51	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW512	MW51	2,4,6-TRIBROMOPHENOL	SW8270	68		UG/L	0
MW512	MW51	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW512	MW51	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW512	MW51	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW512	MW51	2,4-DINITROPHENOL	SW8270	50	UJ	UG/L	50
MW512	MW51	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW512	MW51	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW512	MW51	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW512	MW51	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW512	MW51	2-FLUOROBIPHENYL	SW8270	81		UG/L	0
MW512	MW51	2-FLUOROPHENOL	SW8270	78		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW512	MW51	2-HEXANONE	SW8260	10	U	UG/L	10
MW512	MW51	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW512	MW51	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW512	MW51	2-NITROANILINE	SW8270	50	U	UG/L	50
MW512	MW51	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW512	MW51	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW512	MW51	3-NITROANILINE	SW8270	50	U	UG/L	50
MW512	MW51	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW512	MW51	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW512	MW51	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW512	MW51	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW512	MW51	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW512	MW51	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW512	MW51	4-NITROANILINE	SW8270	50	UJ	UG/L	50
MW512	MW51	4-NITROPHENOL	SW8270	50	UJ	UG/L	50
MW512	MW51	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW512	MW51	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW512	MW51	ACETONE	SW8260	10	U	UG/L	10
MW512	MW51	ALUMINUM	SW6010	1760	J	UG/L	6.1
MW512	MW51	ANTHRACENE	SW8270	10	U	UG/L	10
MW512	MW51	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW512	MW51	ARSENIC	SW6010	2.4	U	UG/L	2.4
MW512	MW51	BARIUM	SW6010	84.4	J	UG/L	0.18
MW512	MW51	BENZENE	SW8260	10	U	UG/L	10
MW512	MW51	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW512	MW51	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW512	MW51	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW512	MW51	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW512	MW51	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW512	MW51	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW512	MW51	BERYLLIUM	SW6010	0.05	U	UG/L	0.05
MW512	MW51	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW512	MW51	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW512	MW51	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW512	MW51	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW512	MW51	BROMOFORM	SW8260	10	U	UG/L	10
MW512	MW51	BROMOMETHANE	SW8260	10	U	UG/L	10
MW512	MW51	CADMIUM	SW6010	0.15	U	UG/L	0.15
MW512	MW51	CALCIUM	SW6010	22300	=	UG/L	8
MW512	MW51	CARBAZOLE	SW8270	10	U	UG/L	10
MW512	MW51	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW512	MW51	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW512	MW51	CHLOROBENZENE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW512	MW51	CHLOROETHANE	SW8260	10	U	UG/L	10
MW512	MW51	CHLOROFORM	SW8260	10	U	UG/L	10
MW512	MW51	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW512	MW51	CHROMIUM, TOTAL	SW6010	4.6	U	UG/L	0.79
MW512	MW51	CHRYSENE	SW8270	10	U	UG/L	10
MW512	MW51	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW512	MW51	COBALT	SW6010	0.89	U	UG/L	0.41
MW512	MW51	COPPER	SW6010	2.7	U	UG/L	0.59
MW512	MW51	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW512	MW51	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW512	MW51	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW512	MW51	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW512	MW51	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW512	MW51	DIBROMOFLUOROMETHANE	SW8260	106		UG/L	0
MW512	MW51	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW512	MW51	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW512	MW51	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW512	MW51	FLUORANTHENE	SW8270	10	U	UG/L	10
MW512	MW51	FLUORENE	SW8270	10	U	UG/L	10
MW512	MW51	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW512	MW51	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW512	MW51	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW512	MW51	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW512	MW51	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW512	MW51	IRON	SW6010	1360	=	UG/L	1.8
MW512	MW51	ISOPHORONE	SW8270	10	U	UG/L	10
MW512	MW51	LEAD	SW6010	1	U	UG/L	1
MW512	MW51	MAGNESIUM	SW6010	10500	=	UG/L	4.3
MW512	MW51	MANGANESE	SW6010	3.9	U	UG/L	0.063
MW512	MW51	MERCURY	SW7470	0.06	U	UG/L	0.06
MW512	MW51	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW512	MW51	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW512	MW51	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW512	MW51	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW512	MW51	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW512	MW51	NAPHTHALENE	SW8270	10	U	UG/L	10
MW512	MW51	NICKEL	SW6010	2.2	U	UG/L	0.44
MW512	MW51	NITROBENZENE	SW8270	10	U	UG/L	10
MW512	MW51	NITROBENZENE-D5	SW8270	88		UG/L	0
MW512	MW51	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW512	MW51	PHENANTHRENE	SW8270	10	U	UG/L	10
MW512	MW51	PHENOL	SW8270	10	U	UG/L	10
MW512	MW51	PHENOL-D5	SW8270	81		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW512	MW51	POTASSIUM	SW6010	1440	J	UG/L	1290
MW512	MW51	PYRENE	SW8270	10	U	UG/L	10
MW512	MW51	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW512	MW51	SILVER	SW6010	0.57	U	UG/L	0.57
MW512	MW51	SODIUM	SW6010	17000	J	UG/L	112
MW512	MW51	STYRENE	SW8260	10	U	UG/L	10
MW512	MW51	TERPHENYL-D14	SW8270	91		UG/L	0
MW512	MW51	TETRACHLOROETHYLENE(PCE)	SW8260	1	J	UG/L	10
MW512	MW51	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW512	MW51	TOLUENE	SW8260	10	U	UG/L	10
MW512	MW51	TOLUENE-D8	SW8260	106		UG/L	0
MW512	MW51	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW512	MW51	Total Xylenes	SW8260	10	U	UG/L	10
MW512	MW51	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW512	MW51	TRICHLOROETHYLENE (TCE)	SW8260	5	J	UG/L	10
MW512	MW51	VANADIUM	SW6010	2.8	J	UG/L	0.42
MW512	MW51	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW512	MW51	ZINC	SW6010	6.1	U	UG/L	0.53
MW522	MW52	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW522	MW52	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW522	MW52	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW522	MW52	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW522	MW52	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW522	MW52	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW522	MW52	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW522	MW52	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW522	MW52	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW522	MW52	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW522	MW52	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW522	MW52	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	104		UG/L	0
MW522	MW52	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW522	MW52	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW522	MW52	2,4,6-TRIBROMOPHENOL	SW8270	70		UG/L	0
MW522	MW52	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW522	MW52	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW522	MW52	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW522	MW52	2,4-DINITROPHENOL	SW8270	50	U	UG/L	50
MW522	MW52	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW522	MW52	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW522	MW52	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW522	MW52	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW522	MW52	2-FLUOROBIPHENYL	SW8270	73		UG/L	0
MW522	MW52	2-FLUOROPHENOL	SW8270	72		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW522	MW52	2-HEXANONE	SW8260	10	U	UG/L	10
MW522	MW52	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW522	MW52	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW522	MW52	2-NITROANILINE	SW8270	50	U	UG/L	50
MW522	MW52	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW522	MW52	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW522	MW52	3-NITROANILINE	SW8270	50	U	UG/L	50
MW522	MW52	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW522	MW52	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW522	MW52	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW522	MW52	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW522	MW52	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW522	MW52	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW522	MW52	4-NITROANILINE	SW8270	50	U	UG/L	50
MW522	MW52	4-NITROPHENOL	SW8270	50	U	UG/L	50
MW522	MW52	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW522	MW52	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW522	MW52	ACETONE	SW8260	10	U	UG/L	10
MW522	MW52	ALUMINUM	SW6010	8.2	J	UG/L	6.1
MW522	MW52	ANTHRACENE	SW8270	10	U	UG/L	10
MW522	MW52	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW522	MW52	ARSENIC	SW6010	2.4	U	UG/L	2.4
MW522	MW52	BARIUM	SW6010	186	J	UG/L	0.18
MW522	MW52	BENZENE	SW8260	10	U	UG/L	10
MW522	MW52	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW522	MW52	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW522	MW52	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW522	MW52	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW522	MW52	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW522	MW52	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW522	MW52	BERYLLIUM	SW6010	0.05	U	UG/L	0.05
MW522	MW52	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW522	MW52	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW522	MW52	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW522	MW52	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW522	MW52	BROMOFORM	SW8260	10	U	UG/L	10
MW522	MW52	BROMOMETHANE	SW8260	10	U	UG/L	10
MW522	MW52	CADMIUM	SW6010	0.15	U	UG/L	0.15
MW522	MW52	CALCIUM	SW6010	48400	=	UG/L	8
MW522	MW52	CARBAZOLE	SW8270	10	U	UG/L	10
MW522	MW52	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW522	MW52	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW522	MW52	CHLOROBENZENE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW522	MW52	CHLOROETHANE	SW8260	10	U	UG/L	10
MW522	MW52	CHLOROFORM	SW8260	10	U	UG/L	10
MW522	MW52	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW522	MW52	CHROMIUM, TOTAL	SW6010	1.7	U	UG/L	0.79
MW522	MW52	CHRYSENE	SW8270	10	U	UG/L	10
MW522	MW52	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW522	MW52	COBALT	SW6010	0.41	U	UG/L	0.41
MW522	MW52	COPPER	SW6010	0.59	U	UG/L	0.59
MW522	MW52	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW522	MW52	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW522	MW52	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW522	MW52	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW522	MW52	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW522	MW52	DIBROMOFLUOROMETHANE	SW8260	102		UG/L	0
MW522	MW52	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW522	MW52	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW522	MW52	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW522	MW52	FLUORANTHENE	SW8270	10	U	UG/L	10
MW522	MW52	FLUORENE	SW8270	10	U	UG/L	10
MW522	MW52	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW522	MW52	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW522	MW52	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW522	MW52	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW522	MW52	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW522	MW52	IRON	SW6010	46.6	U	UG/L	1.8
MW522	MW52	ISOPHORONE	SW8270	10	U	UG/L	10
MW522	MW52	LEAD	SW6010	1	U	UG/L	1
MW522	MW52	MAGNESIUM	SW6010	23200	=	UG/L	4.3
MW522	MW52	MANGANESE	SW6010	4.9	J	UG/L	0.063
MW522	MW52	MERCURY	SW7470	0.06	U	UG/L	0.06
MW522	MW52	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW522	MW52	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW522	MW52	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW522	MW52	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW522	MW52	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW522	MW52	NAPHTHALENE	SW8270	10	U	UG/L	10
MW522	MW52	NICKEL	SW6010	0.89	U	UG/L	0.44
MW522	MW52	NITROBENZENE	SW8270	10	U	UG/L	10
MW522	MW52	NITROBENZENE-D5	SW8270	80		UG/L	0
MW522	MW52	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW522	MW52	PHENANTHRENE	SW8270	10	U	UG/L	10
MW522	MW52	PHENOL	SW8270	10	U	UG/L	10
MW522	MW52	PHENOL-D5	SW8270	73		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW522	MW52	POTASSIUM	SW6010	4360	J	UG/L	1290
MW522	MW52	PYRENE	SW8270	10	U	UG/L	10
MW522	MW52	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW522	MW52	SILVER	SW6010	0.57	U	UG/L	0.57
MW522	MW52	SODIUM	SW6010	85600	J	UG/L	112
MW522	MW52	STYRENE	SW8260	10	U	UG/L	10
MW522	MW52	TERPHENYL-D14	SW8270	81		UG/L	0
MW522	MW52	TETRACHLOROETHYLENE(PCE)	SW8260	4	J	UG/L	10
MW522	MW52	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW522	MW52	TOLUENE	SW8260	10	U	UG/L	10
MW522	MW52	TOLUENE-D8	SW8260	104		UG/L	0
MW522	MW52	TOTAL 1,2-DICHLOROETHENE	SW8260	1	J	UG/L	10
MW522	MW52	Total Xylenes	SW8260	10	U	UG/L	10
MW522	MW52	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW522	MW52	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW522	MW52	VANADIUM	SW6010	0.56	J	UG/L	0.42
MW522	MW52	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW522	MW52	ZINC	SW6010	6.2	U	UG/L	0.53
MW532	MW53	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW532	MW53	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW532	MW53	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW532	MW53	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW532	MW53	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW532	MW53	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW532	MW53	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW532	MW53	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW532	MW53	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW532	MW53	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW532	MW53	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW532	MW53	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	103		UG/L	0
MW532	MW53	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW532	MW53	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW532	MW53	2,4,6-TRIBROMOPHENOL	SW8270	78		UG/L	0
MW532	MW53	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW532	MW53	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW532	MW53	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW532	MW53	2,4-DINITROPHENOL	SW8270	50	U	UG/L	50
MW532	MW53	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW532	MW53	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW532	MW53	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW532	MW53	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW532	MW53	2-FLUOROBIPHENYL	SW8270	80		UG/L	0
MW532	MW53	2-FLUOROPHENOL	SW8270	82		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW532	MW53	2-HEXANONE	SW8260	10	U	UG/L	10
MW532	MW53	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW532	MW53	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW532	MW53	2-NITROANILINE	SW8270	50	U	UG/L	50
MW532	MW53	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW532	MW53	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW532	MW53	3-NITROANILINE	SW8270	50	U	UG/L	50
MW532	MW53	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW532	MW53	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW532	MW53	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW532	MW53	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW532	MW53	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW532	MW53	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW532	MW53	4-NITROANILINE	SW8270	50	UJ	UG/L	50
MW532	MW53	4-NITROPHENOL	SW8270	50	UJ	UG/L	50
MW532	MW53	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW532	MW53	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW532	MW53	ACETONE	SW8260	10	U	UG/L	10
MW532	MW53	ALUMINUM	SW6010	30.4	J	UG/L	6.1
MW532	MW53	ANTHRACENE	SW8270	10	U	UG/L	10
MW532	MW53	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW532	MW53	ARSENIC	SW6010	2.4	U	UG/L	2.4
MW532	MW53	BARIUM	SW6010	68.7	J	UG/L	0.18
MW532	MW53	BENZENE	SW8260	10	U	UG/L	10
MW532	MW53	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW532	MW53	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW532	MW53	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW532	MW53	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW532	MW53	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW532	MW53	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW532	MW53	BERYLLIUM	SW6010	0.05	U	UG/L	0.046
MW532	MW53	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW532	MW53	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW532	MW53	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW532	MW53	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW532	MW53	BROMOFORM	SW8260	10	U	UG/L	10
MW532	MW53	BROMOMETHANE	SW8260	10	U	UG/L	10
MW532	MW53	CADMIUM	SW6010	0.15	U	UG/L	0.15
MW532	MW53	CALCIUM	SW6010	31300	=	UG/L	8
MW532	MW53	CARBAZOLE	SW8270	10	U	UG/L	10
MW532	MW53	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW532	MW53	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW532	MW53	CHLOROBENZENE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW532	MW53	CHLOROETHANE	SW8260	10	U	UG/L	10
MW532	MW53	CHLOROFORM	SW8260	10	U	UG/L	10
MW532	MW53	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW532	MW53	CHROMIUM, TOTAL	SW6010	1.7	U	UG/L	0.79
MW532	MW53	CHRYSENE	SW8270	10	U	UG/L	10
MW532	MW53	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW532	MW53	COBALT	SW6010	1.1	U	UG/L	0.41
MW532	MW53	COPPER	SW6010	1.8	U	UG/L	0.59
MW532	MW53	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW532	MW53	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW532	MW53	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW532	MW53	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW532	MW53	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW532	MW53	DIBROMOFLUOROMETHANE	SW8260	104		UG/L	0
MW532	MW53	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW532	MW53	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW532	MW53	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW532	MW53	FLUORANTHENE	SW8270	10	U	UG/L	10
MW532	MW53	FLUORENE	SW8270	10	U	UG/L	10
MW532	MW53	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW532	MW53	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW532	MW53	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW532	MW53	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW532	MW53	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW532	MW53	IRON	SW6010	416	=	UG/L	1.8
MW532	MW53	ISOPHORONE	SW8270	10	U	UG/L	10
MW532	MW53	LEAD	SW6010	1.7	U	UG/L	1
MW532	MW53	MAGNESIUM	SW6010	16400	=	UG/L	4.3
MW532	MW53	MANGANESE	SW6010	17.4	=	UG/L	0.063
MW532	MW53	MERCURY	SW7470	0.06	U	UG/L	0.06
MW532	MW53	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW532	MW53	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW532	MW53	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW532	MW53	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW532	MW53	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW532	MW53	NAPHTHALENE	SW8270	10	U	UG/L	10
MW532	MW53	NICKEL	SW6010	1.8	U	UG/L	0.44
MW532	MW53	NITROBENZENE	SW8270	10	U	UG/L	10
MW532	MW53	NITROBENZENE-D5	SW8270	86		UG/L	0
MW532	MW53	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW532	MW53	PHENANTHRENE	SW8270	10	U	UG/L	10
MW532	MW53	PHENOL	SW8270	10	U	UG/L	10
MW532	MW53	PHENOL-D5	SW8270	83		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW532	MW53	POTASSIUM	SW6010	2230	J	UG/L	1290
MW532	MW53	PYRENE	SW8270	10	U	UG/L	10
MW532	MW53	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW532	MW53	SILVER	SW6010	0.57	U	UG/L	0.57
MW532	MW53	SODIUM	SW6010	32500	J	UG/L	112
MW532	MW53	STYRENE	SW8260	10	U	UG/L	10
MW532	MW53	TERPHENYL-D14	SW8270	74		UG/L	0
MW532	MW53	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW532	MW53	THALLIUM	SW6010	2.4	U	UG/L	2.3
MW532	MW53	TOLUENE	SW8260	10	U	UG/L	10
MW532	MW53	TOLUENE-D8	SW8260	104		UG/L	0
MW532	MW53	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW532	MW53	Total Xylenes	SW8260	10	U	UG/L	10
MW532	MW53	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW532	MW53	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW532	MW53	VANADIUM	SW6010	0.54	J	UG/L	0.42
MW532	MW53	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW532	MW53	ZINC	SW6010	6.1	U	UG/L	0.53
MW542	MW54	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW542	MW54	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW542	MW54	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW542	MW54	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW542	MW54	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW542	MW54	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW542	MW54	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW542	MW54	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW542	MW54	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW542	MW54	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW542	MW54	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW542	MW54	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	103		UG/L	0
MW542	MW54	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW542	MW54	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW542	MW54	2,4,6-TRIBROMOPHENOL	SW8270	59		UG/L	0
MW542	MW54	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW542	MW54	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW542	MW54	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW542	MW54	2,4-DINITROPHENOL	SW8270	50	UJ	UG/L	50
MW542	MW54	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW542	MW54	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW542	MW54	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW542	MW54	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW542	MW54	2-FLUOROBIPHENYL	SW8270	70		UG/L	0
MW542	MW54	2-FLUOROPHENOL	SW8270	64		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW542	MW54	2-HEXANONE	SW8260	10	U	UG/L	10
MW542	MW54	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW542	MW54	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW542	MW54	2-NITROANILINE	SW8270	50	U	UG/L	50
MW542	MW54	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW542	MW54	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW542	MW54	3-NITROANILINE	SW8270	50	U	UG/L	50
MW542	MW54	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW542	MW54	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW542	MW54	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW542	MW54	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW542	MW54	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW542	MW54	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW542	MW54	4-NITROANILINE	SW8270	50	UJ	UG/L	50
MW542	MW54	4-NITROPHENOL	SW8270	50	UJ	UG/L	50
MW542	MW54	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW542	MW54	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW542	MW54	ACETONE	SW8260	10	U	UG/L	10
MW542	MW54	ALUMINUM	SW6010	1750	J	UG/L	6.1
MW542	MW54	ANTHRACENE	SW8270	10	U	UG/L	10
MW542	MW54	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW542	MW54	ARSENIC	SW6010	2.4	U	UG/L	2.4
MW542	MW54	BARIUM	SW6010	112	J	UG/L	0.18
MW542	MW54	BENZENE	SW8260	10	U	UG/L	10
MW542	MW54	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW542	MW54	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW542	MW54	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW542	MW54	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW542	MW54	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW542	MW54	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW542	MW54	BERYLLIUM	SW6010	0.06	U	UG/L	0.046
MW542	MW54	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW542	MW54	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW542	MW54	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW542	MW54	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW542	MW54	BROMOFORM	SW8260	10	U	UG/L	10
MW542	MW54	BROMOMETHANE	SW8260	10	U	UG/L	10
MW542	MW54	CADMIUM	SW6010	0.86	U	UG/L	0.15
MW542	MW54	CALCIUM	SW6010	14200	=	UG/L	8
MW542	MW54	CARBAZOLE	SW8270	10	U	UG/L	10
MW542	MW54	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW542	MW54	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW542	MW54	CHLOROBENZENE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW542	MW54	CHLOROETHANE	SW8260	10	U	UG/L	10
MW542	MW54	CHLOROFORM	SW8260	10	U	UG/L	10
MW542	MW54	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW542	MW54	CHROMIUM, TOTAL	SW6010	18.5	=	UG/L	0.79
MW542	MW54	CHRYSENE	SW8270	10	U	UG/L	10
MW542	MW54	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW542	MW54	COBALT	SW6010	1.2	U	UG/L	0.41
MW542	MW54	COPPER	SW6010	27.2	=	UG/L	0.59
MW542	MW54	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW542	MW54	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW542	MW54	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW542	MW54	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW542	MW54	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW542	MW54	DIBROMOFLUOROMETHANE	SW8260	104		UG/L	0
MW542	MW54	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW542	MW54	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW542	MW54	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW542	MW54	FLUORANTHENE	SW8270	10	U	UG/L	10
MW542	MW54	FLUORENE	SW8270	10	U	UG/L	10
MW542	MW54	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW542	MW54	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW542	MW54	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW542	MW54	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW542	MW54	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW542	MW54	IRON	SW6010	12700	=	UG/L	1.8
MW542	MW54	ISOPHORONE	SW8270	10	U	UG/L	10
MW542	MW54	LEAD	SW6010	2.3	J	UG/L	1
MW542	MW54	MAGNESIUM	SW6010	7110	=	UG/L	4.3
MW542	MW54	MANGANESE	SW6010	28.6	=	UG/L	0.063
MW542	MW54	MERCURY	SW7470	0.06	U	UG/L	0.06
MW542	MW54	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW542	MW54	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW542	MW54	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW542	MW54	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW542	MW54	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW542	MW54	NAPHTHALENE	SW8270	10	U	UG/L	10
MW542	MW54	NICKEL	SW6010	5.4	U	UG/L	0.44
MW542	MW54	NITROBENZENE	SW8270	10	U	UG/L	10
MW542	MW54	NITROBENZENE-D5	SW8270	74		UG/L	0
MW542	MW54	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW542	MW54	PHENANTHRENE	SW8270	10	U	UG/L	10
MW542	MW54	PHENOL	SW8270	10	U	UG/L	10
MW542	MW54	PHENOL-D5	SW8270	72		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW542	MW54	POTASSIUM	SW6010	1290	U	UG/L	1290
MW542	MW54	PYRENE	SW8270	10	U	UG/L	10
MW542	MW54	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW542	MW54	SILVER	SW6010	0.57	U	UG/L	0.57
MW542	MW54	SODIUM	SW6010	16300	J	UG/L	112
MW542	MW54	STYRENE	SW8260	10	U	UG/L	10
MW542	MW54	TERPHENYL-D14	SW8270	81		UG/L	0
MW542	MW54	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW542	MW54	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW542	MW54	TOLUENE	SW8260	10	U	UG/L	10
MW542	MW54	TOLUENE-D8	SW8260	104		UG/L	0
MW542	MW54	TOTAL 1,2-DICHLOROETHENE	SW8260	4	J	UG/L	10
MW542	MW54	Total Xylenes	SW8260	10	U	UG/L	10
MW542	MW54	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW542	MW54	TRICHLOROETHYLENE (TCE)	SW8260	58	=	UG/L	10
MW542	MW54	VANADIUM	SW6010	8.2	J	UG/L	0.42
MW542	MW54	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW542	MW54	ZINC	SW6010	26	U	UG/L	0.53
MW552	MW55	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW552	MW55	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW552	MW55	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW552	MW55	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW552	MW55	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW552	MW55	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW552	MW55	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW552	MW55	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW552	MW55	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW552	MW55	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW552	MW55	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW552	MW55	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	SW8260	106		UG/L	0
MW552	MW55	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW552	MW55	2,4,5-TRICHLOROPHENOL	SW8270	50	U	UG/L	50
MW552	MW55	2,4,6-TRIBROMOPHENOL	SW8270	62		UG/L	0
MW552	MW55	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW552	MW55	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW552	MW55	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW552	MW55	2,4-DINITROPHENOL	SW8270	50	U	UG/L	50
MW552	MW55	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW552	MW55	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW552	MW55	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW552	MW55	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW552	MW55	2-FLUOROBIPHENYL	SW8270	72		UG/L	0
MW552	MW55	2-FLUOROPHENOL	SW8270	62		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW552	MW55	2-HEXANONE	SW8260	10	U	UG/L	10
MW552	MW55	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW552	MW55	2-METHYLPHENOL (o-CRESOL)	SW8270	10	U	UG/L	10
MW552	MW55	2-NITROANILINE	SW8270	50	U	UG/L	50
MW552	MW55	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW552	MW55	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW552	MW55	3-NITROANILINE	SW8270	50	U	UG/L	50
MW552	MW55	4,6-DINITRO-2-METHYLPHENOL	SW8270	50	U	UG/L	50
MW552	MW55	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW552	MW55	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW552	MW55	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW552	MW55	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW552	MW55	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW552	MW55	4-NITROANILINE	SW8270	50	U	UG/L	50
MW552	MW55	4-NITROPHENOL	SW8270	50	U	UG/L	50
MW552	MW55	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW552	MW55	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW552	MW55	ACETONE	SW8260	10	U	UG/L	10
MW552	MW55	ALUMINUM	SW6010	339	J	UG/L	6.1
MW552	MW55	ANTHRACENE	SW8270	10	U	UG/L	10
MW552	MW55	ANTIMONY	SW6010	2.4	U	UG/L	2.4
MW552	MW55	ARSENIC	SW6010	2.4	U	UG/L	2.4
MW552	MW55	BARIUM	SW6010	68.5	J	UG/L	0.18
MW552	MW55	BENZENE	SW8260	10	U	UG/L	10
MW552	MW55	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW552	MW55	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW552	MW55	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW552	MW55	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW552	MW55	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW552	MW55	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW552	MW55	BERYLLIUM	SW6010	0.14	U	UG/L	0.046
MW552	MW55	BICARBONATE	E310.1	44	=	MG/L	3
MW552	MW55	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW552	MW55	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	SW8270	10	U	UG/L	10
MW552	MW55	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW552	MW55	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW552	MW55	BROMOFORM	SW8260	10	U	UG/L	10
MW552	MW55	BROMOMETHANE	SW8260	10	U	UG/L	10
MW552	MW55	CADMIUM	SW6010	0.88	U	UG/L	0.15
MW552	MW55	CALCIUM	SW6010	12000	=	UG/L	8
MW552	MW55	CARBAZOLE	SW8270	10	U	UG/L	10
MW552	MW55	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW552	MW55	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW552	MW55	CHLORIDE (AS CL)	E325.1	12.8	=	MG/L	1
MW552	MW55	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW552	MW55	CHLOROETHANE	SW8260	10	U	UG/L	10
MW552	MW55	CHLOROFORM	SW8260	10	U	UG/L	10
MW552	MW55	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW552	MW55	CHROMIUM, TOTAL	SW6010	4.1	U	UG/L	0.79
MW552	MW55	CHRYSENE	SW8270	10	U	UG/L	10
MW552	MW55	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW552	MW55	COBALT	SW6010	1.3	U	UG/L	0.41
MW552	MW55	COPPER	SW6010	1	U	UG/L	0.59
MW552	MW55	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW552	MW55	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW552	MW55	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW552	MW55	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW552	MW55	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW552	MW55	DIBROMOFLUOROMETHANE	SW8260	100		UG/L	0
MW552	MW55	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW552	MW55	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW552	MW55	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW552	MW55	FLUORANTHENE	SW8270	10	U	UG/L	10
MW552	MW55	FLUORENE	SW8270	10	U	UG/L	10
MW552	MW55	FLUORIDE	E340.2	0.1	<	MG/L	0.1
MW552	MW55	HARDNESS (AS CaCO3)	E130.2	50	=	MG/L	3
MW552	MW55	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW552	MW55	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW552	MW55	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW552	MW55	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW552	MW55	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW552	MW55	IRON	SW6010	734	=	UG/L	1.8
MW552	MW55	ISOPHORONE	SW8270	10	U	UG/L	10
MW552	MW55	LEAD	SW6010	5.1	=	UG/L	1
MW552	MW55	MAGNESIUM	SW6010	4210	J	UG/L	4.3
MW552	MW55	MANGANESE	SW6010	27.4	=	UG/L	0.063
MW552	MW55	MERCURY	SW7470	0.06	U	UG/L	0.06
MW552	MW55	METHYL ETHYL KETONE (2-BUTANONE)	SW8260	10	U	UG/L	10
MW552	MW55	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	SW8260	10	U	UG/L	10
MW552	MW55	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW552	MW55	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW552	MW55	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW552	MW55	NAPHTHALENE	SW8270	10	U	UG/L	10
MW552	MW55	NICKEL	SW6010	3.6	U	UG/L	0.44
MW552	MW55	NITROBENZENE	SW8270	10	U	UG/L	10
MW552	MW55	NITROBENZENE-D5	SW8270	78		UG/L	0

Sample ID	Station Location	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW552	MW55	NITROGEN, NITRATE (AS N)	E353.2	3.79	=	MG/L	0.25
MW552	MW55	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW552	MW55	PHENANTHRENE	SW8270	10	U	UG/L	10
MW552	MW55	PHENOL	SW8270	10	U	UG/L	10
MW552	MW55	PHENOL-D5	SW8270	76		UG/L	0
MW552	MW55	POTASSIUM	SW6010	1290	U	UG/L	1290
MW552	MW55	PYRENE	SW8270	10	U	UG/L	10
MW552	MW55	SELENIUM	SW6010	3.7	U	UG/L	3.7
MW552	MW55	SILVER	SW6010	0.57	U	UG/L	0.57
MW552	MW55	SODIUM	SW6010	14900	J	UG/L	112
MW552	MW55	STYRENE	SW8260	10	U	UG/L	10
MW552	MW55	SULFATE (AS SO4)	E375.4	20.2	=	MG/L	2
MW552	MW55	TERPHENYL-D14	SW8270	82		UG/L	0
MW552	MW55	TETRACHLOROETHYLENE(PCE)	SW8260	10	U	UG/L	10
MW552	MW55	THALLIUM	SW6010	2.6	U	UG/L	2.3
MW552	MW55	TOLUENE	SW8260	10	U	UG/L	10
MW552	MW55	TOLUENE-D8	SW8260	102		UG/L	0
MW552	MW55	TOTAL 1,2-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW552	MW55	TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	E160.1	160	=	MG/L	10
MW552	MW55	Total Xylenes	SW8260	10	U	UG/L	10
MW552	MW55	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW552	MW55	TRICHLOROETHYLENE (TCE)	SW8260	10	U	UG/L	10
MW552	MW55	VANADIUM	SW6010	1.6	U	UG/L	0.42
MW552	MW55	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW552	MW55	ZINC	SW6010	8.2	U	UG/L	0.53

Appendix C

Purge Logs

CH2M HILL MONITORING WELL PURGING LOG

Installation DUNNFIELD

Site/Project DDMT 2QT SAMPLING

Project Number 113630 03.ZZ

Purged by CR ZUELY / G.A. FORD

Well Head Reading 0.0 PPM ppm

Depth Measurement Reference Point (TOC)

Depth to Top and Bottom of Screen ______ ft bgs

Original Depth to Water (DTW) 25.03

Well Number MW2

Sample ID Number MW22

Purge Start date 6/21/97 time ~~10~~ 0954

Purge End date 6/21/97 time 1006

Well Casing ID: [✓ 2"] 4" 6" Other ______

Final Depth to Water (DTW) ______

Measured Well TD 35.80

− Original DTW 25.03

= Wtr Col Thick. 10.77 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 1.76 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 5.28 TOTAL PURGE GALLONS

Purge Method

Submersible Pump ☒ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☐ SS ☐ Tef ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift Displacement Pump ☐ Other ______

Purging Equipment (Make, Model, Etc.) 2" GRUNDFOS PUMP (STAINLESS STEEL)

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate 0.30 gpm

Weather PARTLY CLOUDY ~85°F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTU)	DO	~~Salinity~~ REDOX	[illegible]
1000	1.75			21.6	6.03	387	LIGHT	3.29	206	LIGHT AMBER COLOR
1005	3.5			19.89	6.08	573	LIGHT	4.01	217	"
1006	WELL PURGED DRY SLOW TO RECOVER									
	CONSIDERED PURGED WILL COLLECT SAMPLE.									

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 209

Installation ______

Well Number MW-03

Site/Project DDMT (Memphis)

Sample ID Number MW03Z

Project Number 113603.30.[illegible]

Purge Start date 6/21/97 time 0910

Purged by Galdino/Nguyen

Purge End date 6/21/97 time 0925

Well Head Reading 0.00 ppm

Depth Measurement Reference Point ______

Well Casing ID: [✓ 2"] 4" 6" Other ______

Depth to Top and Bottom of Screen 77.49 ft bgs

Original Depth to Water (DTW) ______

Final Depth to Water (DTW) ______

Measured Well TD 77.49

- Original DTW 62.18

= Wtr Col Thick. 15.31 X (2" - 0.16, 4" - 0.65, 6" - 1.47) gals/ft = 2.44 gals/casing vol X (1, 2, [✓ 3], 4, 5) casing vol = 7.34 TOTAL PURGE GALLONS

Purge Method

Submersible Pump ___ Dedicated Bladder Pump ___ Bladder Pump ___ Bailer ✓ (SS ___ Tef X PVC ___) Centrifugal Pump ___ Peristaltic Pump ___ Hand Pump ___ Gas Lift/ Displacement Pump ___ Other ___

Purging Equipment (Make, Model, Etc.) Bailer

Purging Equipment Decontaminated? Y / [✓ N]

Purge Water Containerized? [✓ Y] / N

Average Purge Rate ______ gpm

Weather Sunny ______ °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTs)	DO	Salinity	Comments

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

Installation DDMT

Well Number 04

Site/Project

Sample ID Number MW042

Project Number 115603.03.FB

Purge Start date 6/20/97 time 1010

Purged by Baldino / Nguyen

Purge End date 6/20/97 time 1030

Well Head Reading ppm

Depth Measurement Reference Point

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW)

Final Depth to Water (DTW)

Measured Well TD 81.88

− Original DTW 69.80

= Wtr Col Thick. 12.08 X 2" = 0.16 4" = 0.65 6" = 1.47 gals/ft = 1.9 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 6 TOTAL PURGE GALLONS

Purge Method

Submersible Pump

Dedicated Bladder Pump

Bladder Pump

Bailer [✓] SS Tef [✓] PVC

Centrifugal Pump

Peristaltic Pump

Hand Pump

Gas Lift/ Displacement Pump

Other

Purging Equipment (Make, Model, Etc.) Bailer

Purging Equipment Decontaminated? Y [✓ N]

Purge Water Containerized? [✓ Y] / N

Average Purge Rate gpm

Weather Sunny

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.a.)	Conductivity ( )	Turbidity (NTs)	DO	Salinity	Comments

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 211

Installation DDMT

Well Number MW-05

Site/Project 2ND QT GW Sampling Run Field

Sample ID Number MW-052

Project Number 113603.03.ZZ

Purge Start date 6-21-97 time 1100

Purged by C. Tiney, G FORD

Purge End date 6-21-97 time

Well Head Reading ppm

Depth Measurement Reference Point (TOC)

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW) 74:50

Final Depth to Water (DTW)

Measured Well TD 79.25

− Original DTW 74.50

= Wtr Col Thick. 4.75 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 0.78 → 1.0 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 2.34 → 3 TOTAL PURGE VOLUME

Purge Method

Submersible Pump ___ Dedicated Bladder Pump ___ Bladder Pump ___ Bailer X SS ___ Tef ___ PVC ___ Centrifugal Pump ___ Peristaltic Pump ___ Hand Pump ___ Gas Lift/Displacement Pump ___ Other ___

Purging Equipment (Make, Model, Etc.) Disposable Teflon Bailer

Purging Equipment Decontaminated? Y / [✓ N]

Purge Water Containerized? [✓ Y] / N

Average Purge Rate 0.25GAL/BAILER ⇒ 1GAL/VOL ⇒ 4 PULLS/VOL

Weather Cloudy, Light Breeze ≈ 85 °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTU)	DO	~~Salinity~~ ORP	Comments
1104	1.0			18.85	626	302	MED	6.93	310	LIGHT TO MED COLOR
1111	2.0			18.38	678	306	"	6.69	311	"
1116	3.0			17.84	5.88	292	"	6.56	292	

All Depths in Feet Below [illegible] Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 212

Installation DDMT

Well Number MW06

Site/Project OU-1 / 2nd QGWS 1997

Sample ID Number MW062

Project Number 113630.03.22

Purge Start date 6-21-97 time

Purged by J Sasgen / J Emery

Purge End date time

Well Head Reading ppm

Depth Measurement Reference Point TOC

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW) 58.26

Final Depth to Water (DTW)

Measured Well TD 70.24

− Original DTW 58.26

= Wtr Col Thick. 11.98 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 1.92 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 5.75 TOTAL PURGE GALLONS

Purge Method

[✓ Submersible Pump] Dedicated Bladder Pump Bladder Pump Bailer SS Teflon PVC Centrifugal Pump Peristaltic Pump Hand Pump Gas Lift/ Displacement Pump Other

Purging Equipment (Make, Model, Etc.) Grundfos (Hazco) 13933

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate gpm

Weather 60°F, Overcast Muggy °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTU)	DO	Salinity	Comments
1413	0	58.26		pH		Meter		N/A		
			65'							
										After 8 gallons
				Kaput						Water is
										Clear
										No Odors
										No sheens
Will purge 5 volumes and sample										

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 213

Installation ______

Site/Project DDMT /(Memphis)

Project Number 113603.30.77

Purged by Baldino / Nguyen

Well Head Reading 0.0 ppm

Depth Measurement Reference Point ______

Depth to Top and Bottom of Screen ______ ft bgs

Original Depth to Water (DTW) ______

Well Number ~~MW-08~~ MW-07

Sample ID Number ~~MW082~~ MW072

Purge Start date 6/21/97 time 1018

Purge End date 6/21/97 time ______

Well Casing ID: [✓ 2"] 4" 6" Other ______

Final Depth to Water (DTW) ______

Measured Well TD 77.20

− Original DTW 63.08

= Wtr Col Thick. 14.12 X 2" - 0.16 / 4" - 0.65 / 6" - 1.47 gals/ft = 2.25 gals/casing vol X 1 / 2 / [✓ 3] / 4 / 5 casing vol = 6.78 TOTAL PURGE GALLONS

Purge Method

Submersible Pump ✓ Dedicated Bladder Pump ___ Bladder Pump ___ Bailer ___ SS ___ Tef ___ PVC ___ Centrifugal Pump ___ Peristaltic Pump ___ Hand Pump ___ Gas Lift/ Displacement Pump ___ Other ___

Purging Equipment (Make, Model, Etc.) Grundfos

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate ______ gpm

Weather Sunny °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTU)	DO	Salinity	Comments

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 214

Installation DDMT

Well Number 028

Site/Project

Sample ID Number MW082

Project Number 113605.03.EE

Purge Start date 6/21/97 time 1050

Purged by Baldino / Nguyen

Purge End date 6/21/97 time 1105

Well Head Reading 0.0 ppm

Depth Measurement Reference Point

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW)

Final Depth to Water (DTW)

Measured Well TD 68.30

− Original DTW 57.59

= Wtr Col Thick. 10.71 X 2" - 0.16 / 4" - 0.65 / 6" - 1.47 gals/ft = 1.71 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 5.1 TOTAL PURGE GALLONS

Purge Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☐ Tef ☒ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other

Purging Equipment (Make, Model, Etc.) Bailer

Purging Equipment Decontaminated? Y / [✓ N]

Purge Water Containerized? [✓ Y] / N

Average Purge Rate gpm

Weather Sunny °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTU)	DO	Salinity	Comments

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 215

Installation DUNNFIELD

Well Number MW-9

Site/Project DDMT 2QTSAMPLING

Sample ID Number MW92

Project Number 113630.03.ZZ

Purge Start date 6/20/97 time ~~0850~~ 0840

Purged by C.RIVERY/GAFORD

Purge End date 6/20/97 time 1025

Well Head Reading 0.0 PPM ppm

Depth Measurement Reference Point

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW) 71.10

Final Depth to Water (DTW)

Measured Well TD 79.80

- Original DTW 71.10

= Wtr Col Thick. 8.70 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 1.42 → 1.5 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 4.26 → 4.5 TOTAL PURGE GALLONS

Purge Method

[✓ Submersible Pump] Dedicated Bladder Pump Bladder Pump [✓ Bailer] SS [✓ Tef] PVC Centrifugal Pump Peristaltic Pump Hand Pump Gas Lift Displacement Pump Other

Purging Equipment (Make, Model, Etc.) 2" GRUNDFOS PUMP - 0940 PUMP MALFUNCTIONING CAN'T START - SWITCH TO DISPOSABLE BAILER

Purging Equipment Decontaminated? Y / [✓ N]

Purge Water Containerized? Y / N

Average Purge Rate 0.25 GAL BAILER ⇒ 5.68 PULLS/VOL ⇒ 6 PULLS/VOL ⇒ 1.5 GAL/VOL

Weather CLEAR, SUNNY & HOT ≅ 90°F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTU)	DO	~~Salinity~~ REDOX	Comments
0954	1.5			20.44	6.28	448	MED	6.30	238	MED. AMBER COLOR
1008	3.0			18.83	6.21	412	"	6.70	248	"
1025	4.5			18.97	6.22	421	"	6.36	249	"

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 216

Installation DDMT

Well Number MW10

Site/Project OU-1 / 2nd QGWS 1997

Sample ID Number MW102

Project Number 113630.03.22

Purge Start date 6-21-97 hrs

Purged by J Abrigaw / J Emory

Purge End date hrs

Well Head Reading ppm

Depth Measurement Reference Point TOC

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW) 57.55

Final Depth to Water (DTW)

Measured Well TD 68.02

- Original DTW 5755

= Wtr Col Thick. 10.47 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 1.68 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 5.03 TOTAL PURGE GALLONS

Purge Method: [✓ Submersible Pump] Dedicated Bladder Pump Bladder Pump Bailer SS Tef PVC Centrifugal Pump Peristaltic Pump Hand Pump Gas Lift/Displacement Pump Other

Purging Equipment (Make, Model, Etc.) Grundfos (Hazco) / 3433

Purging Equipment Decontaminated? [✓ Y] N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate gpm

Weather 75°F. Hazy, Muggy °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (µS/cm)	ORP ~~Turbidity~~ ~~(NTU)~~	DO	Salinity	Comments
0855	0	5755	63	16.26	5.95	360	90.4	5.37	0.17	Tan Tinted Water No Odors / Slow
0857	2	—	63	17.55	5.97	374	82.4	4.76	0.18	11
0858	4	—	63	17.57	5.98	376	83.5	4.68	0.18	Well Clearing No Odors / No Sheens
0859	6	—	63	17.62	5.97	376	84.6	4.63	0.18	Slightly Tinted Maple Clear No odors No sheen
0901	8	—	63	17.69	5.96	375	90.8	4.57	0.18	Clear No odors No sheen

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

Installation DUNN FIELD

Well Number MW-11

Site/Project DDMT 2QT SAMPLING

Sample ID Number MW112

Project Number 113630.03.ZZ

Purge Start date 6/21/97 time 1157

Purged by G.A. FORD / C.R. IVERY

Purge End date 6/21/97 time 1221

Well Head Reading 0.0 ppm ppm

Depth Measurement Reference Point (TOC)

Well Casing ID: 2" 4" 6" Other ____

Depth to Top and Bottom of Screen ____ ft bgs

Original Depth to Water (DTW) 69.27

Final Depth to Water (DTW) ____

Measured Well TD 81.50

− Original DTW 69.27

= Wtr Col Thick. 12.23 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 2.0 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 6.0 TOTAL PURGE GALLS

Purge Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ [✓ Bailer] SS ☐ Tef ☒ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Drive Displacement Pump ☐ Other ____

Purging Equipment (Make, Model, Etc.) DISPOSABLE BAILER

Purging Equipment Decontaminated? Y [✓ N]

Purge Water Containerized? [✓ Y] N

Average Purge Rate 0.25 GAL / BAIL gpm ⇒ 8 BAILS / VOL ⇒ 2 GAL / VOL

Weather SUNNY & HOT ~90°F °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTu)	DO	~~Salinity~~ REDOX	[illegible]
1207	2.0			18.97	5.53	241	MED	5.01	318	MED AMBER COLOR
1214	4.0			17.98	5.40	231	"	5.57	346	"
1221	6.0.			18.19	5.38	228	"	5.60	353	"

All Depths in Feet below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

Installation DDMT

Well Number MW-12

Site/Project OU-1 / 2nd QGWS 1997

Sample ID Number MW121

Project Number 113630.03.ZZ

Purge Start date 6-21-97 time

Purged by J Glasgow / A Emery

Purge End date time

Well Head Reading ppm

Depth Measurement Reference Point TOC

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW) 71.00

Final Depth to Water (DTW)

Measured Well TD 83.50

− Original DTW 71.00

= Wtr Col Thick. 12.50 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 2.00 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 6.00 TOTAL PURGE GALLONS

Purge Method [✓ Submersible Pump] Dedicated Bladder Pump Bladder Pump Bailer SS Tef PVC Centrifugal Pump Peristaltic Pump Hand Pump Gas Lift/ Displacement Pump Other

Purging Equipment (Make, Model, Etc.) Grundfos (Hazco) 13433

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate gpm

Weather 80°F Overcast, Muggy

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (uS/cm)	ORP ~~Turbidity (NTU)~~	DO	Salinity	Comments
1309	0	71.00	75	19.25	6.10	225	134.8	7.19	0.11	Orange Turbid No Odors No Sheen
1313	1	~~7~~	75	18.82	6.01	218	146.4	7.03	0.10	11
1319	3.	—	75	19.75	5.96	219	155.5	6.78	0.10	Orange Tint No Odors / No Sheens
1325	6	—	75	19.74	5.49	215	165.5	6.62	0.10	Slightly Tinted No Odors/No Sheens

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2MHILL MONITORING WELL PURGING LOG

Installation: DUNN FIELD

Site/Project: DDMT 2QT SAMPLING

Project Number: ~~113603~~ 113630.03.ZZ

Purged by: C.A. IVERY / B.A. FORD

Well Head Reading: 0.0 PPM ppm

Depth Measurement Reference Point: (TOC)

Depth to Top and Bottom of Screen: ft bgs

Original Depth to Water (DTW): 67.88

Well Number: MW-13 258 219

Sample ID Number: MW132

Purge Start date 6/20/97 time 1122

Purge End date 6/20/97 time 1148

Well Casing ID: [✓ 2"] 4" 6" Other –

Final Depth to Water (DTW):

Measured Well TD 80.3

− Original DTW 67.88

= Wtr Col Thick. 12.42 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = ~~2.02~~ 2.0 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = ~~6.06~~ 60 TOTAL PURGE GALLONS

Purge Method

Submersible Pump _ Dedicated Bladder Pump _ Bladder Pump _ [✓ Bailer] _ SS _ [✓ Tef] _ PVC _ Centrifugal Pump _ Peristaltic Pump _ Hand Pump _ Gas Lift Displacement Pump _ Other _

Purging Equipment (Make, Model, Etc.) 0.25 GAL DISPOSAL BAILER => 8.08 PULLS => 8.0 PULLS => 2GAL/VOL

Purging Equipment Decontaminated? Y / [✓ N]

Purge Water Containerized? Y / N

Average Purge Rate 0.25 GAL / ~~min~~ BAIL

Weather PARTLY CLOUDY W/ INTERMITTEN SUNNY CONDITIONS 85° F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTu)	DO	~~Salinity~~ Redox	Comments
1130	2.0			19.02	6.04	204	MED	8.80	300	MED AMBER COLOR
1137	4.0			18.59	5.99	206	MED	8.89	301	"
1148	6.0			18.66	5.94	208	"	8.84	287	"

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

Installation DUNNFIELD

Well Number MW-19

Site/Project ISDMT 2QT SAMPLING

Sample ID Number MW192

Project Number 11363003.ZZ

Purge Start date 6/18/97 time

Purged by C.R. IVEN/G.A. FORD

Purge End date time

Well Head Reading 0.0 PPM ppm

Depth Measurement Reference Point

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW) 71.82

Final Depth to Water (DTW)

Measured Well TD 78.50

− Original DTW 71.82

= Wtr Col Thick 6.68 X [✓ 2" = 0.16] 4" = 0.65 6" = 1.47 gals/ft = ~~1.69~~ 1.25 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = ~~3.27~~ 3.75 TOTAL PURGE GALLONS

Purge Method

Submersible Pump ___ Dedicated Bladder Pump ___ Bladder Pump ___ [✓ Bailer] SS ___ [✓ Tel] PVC ___ Centrifugal Pump ___ Peristaltic Pump ___ Hand Pump ___ Gas Lift Displacement Pump ___ Other ___

Purging Equipment (Make, Model, Etc.) DISPOSABLE BAILER

Purging Equipment Decontaminated? Y / [✓ N]

Purge Water Containerized? [✓ Y] / N

Average Purge Rate 0.25 Gal/Bailer ≅ 4.36 pulls → 5 pulls/vol = 1.25 Gal/vol

Weather SUNNY ~ 90°F, °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTU)	DO	~~Salinity~~ REDOX	Comments
1400	1.25			19.77	4.91	224	HIGH	17.08	302	DARK AMBER SAMPLE
1406	2.50			19.24	5.40	229	"	19.68	333	MED/DARK AMBER SAMPLE
1411	3.75			18.84	5.48	225	"	17.01	346	"
1415	5.00			18.84	5.70	224	MED	12.80	342	"

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2MHILL MONITORING WELL PURGING LOG

Installation DUNNFIELD
Well Number MW-15
Site/Project DDMT 2QT SAMPLING
Sample ID Number MW152
Project Number 113630 03.ZZ
Purge Start date 6/20/97 time 1445
Purged by G.A FORD / C.R IVEY
Purge End date 6/20/97 time 1540
Well Head Reading 0.0 ppm ppm
Depth Measurement Reference Point (ToC)
Well Casing ID: [✓ 2"] 4" 6" Other ______
Depth to Top and Bottom of Screen 78.40 ft bgs
Original Depth to Water (DTW) 64.32
Final Depth to Water (DTW) ______

Measured Well TD 78.40
− Original DTW 64.32
= Wtr Col Thick. 14.08 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = ~~2.30~~ 2.25 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = ~~6.9~~ 6.75 TOTAL PURGE (GALS)

Purge Method

Submersible Pump ___ Dedicated Bladder Pump ___ Bladder Pump ___ Bailer ☒ SS ___ Tef ___ PVC ___ Centrifugal Pump ___ Peristaltic Pump ___ Hand Pump ___ Gas Lift/Displacement Pump ___ Other ___

Purging Equipment (Make, Model, Etc.) 0.25 GAL DISPOSABLE BAILER Teflon ①
Purging Equipment Decontaminated? Y / [✓ N]
Purge Water Containerized? Y / N
Average Purge Rate 0.25 GAL DISPOSABLE BAILER ⇒ 9.2 PULLS/VOL ⇒ 9 PULLS/VOL ⇒ 2.25 GAL/VOLUME
Weather P. Cloudy, Light Breeze, ≈ 92°F °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTU)	DO	Salinity	Comments REDOX
1507	2.25	64.32	N/A	19.49	5.83	186	N/A	7.67	N/A	262.
1525	4.5	" "	N/A	18.44	5.70	180	N/A	7.00	N/A	367
1540	6.75	"	N/A	18.15	5.75	182	N/A.	7.42	N/A	379

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2MHILL MONITORING WELL PURGING LOG

258 222

Installation DDMT

Well Number MW-16

Site/Project

Sample ID Number MW16Z

Project Number 113603.03.ZZ

Purge Start date 6/19/97 time 0800

Purged by Baldino / Nguyen

Purge End date 6/19/97 time 0815

Well Head Reading 0.0 ppm

Depth Measurement Reference Point

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW)

Final Depth to Water (DTW)

Measured Well TD 75.50

- Original DTW 56.73

= Wtr Col Thick. 18.77 X 2" - 0.16 4" - 0.65 6" - 1.47 gals/ft = 3.00 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 9.0 TOTAL PURGE GALLONS

Purge Method

[✓ Submersible Pump] Dedicated Bladder Pump Bladder Pump Bailer SS Tef PVC Centrifugal Pump Peristaltic Pump Hand Pump Gas Lift/ Displacement Pump Other

Purging Equipment (Make, Model, Etc.) Grundfos

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate gpm

Weather Sunny

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTU)	DO	Salinity	Comments ORP
	1		2064		5.97	652		0.93	0.32	1874
	2		21.23		5.92	603		0.88	0.29	183.8
	3		21.39		5.88	588		0.88	0.29	181.3

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

Installation DDMT INSTALLATION

Well Number MW-19   258 223

Site/Project DDMT 2QT SAMPLING

Sample ID Number MW192

Project Number 113630.0322

Purge Start date 6/18/97 time

Purged by C.R. IVERY / G.A. FORD

Purge End date time

Well Head Reading 0.0 PPM ppm

Depth Measurement Reference Point

Well Casing ID: 2" 4" 6" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW)

Final Depth to Water (DTW)

Measured Well TD 95.10

− Original DTW 88.06

= Wtr Col Thick. 7.09 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = ~~1.15~~ 1.25 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = ~~3.45~~ 3.75 [illegible]

Purge Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ [✓ Bailer] SS ☐ Tef ☒ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift Displacement Pump ☐ Other ☐

Purging Equipment (Make, Model, Etc.) DISPOSABLE BAILER - LIP ON WELLHEAD WILL NOT ALLOW THE INSERTATION OF 2" GRUNFOS PUMP

Purging Equipment Decontaminated? Y / [✓ N]   Purge Water Containerized? [✓ Y] / N

Average Purge Rate 0.25G/BAIL gpm = 5 PULLS/VOL

Weather SUNNY 88°F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTU)	DO	~~Salinity~~ REDOX	[illegible]
1144	1.25			19.56	6.20	150	HIGH	11.02	260	DARK AMBER COLOR
1147	WELL PURGED DRY									

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 224

Installation DDMT INSTALLATION

Well Number MW-20

Site/Project DDMT 2QT SAMPLING

Sample ID Number MW202

Project Number 113630.03.ZZ

Purge Start date 6/19/97 time 1007

Purged by CRIVELY/G.A. FORD

Purge End date ___ time ___

Well Head Reading 0.0 PPM ppm

Depth Measurement Reference Point ___

Well Casing ID: 2" 4" 6" Other ___

Depth to Top and Bottom of Screen ___ ft bgs

Original Depth to Water (DTW) ___

Final Depth to Water (DTW) ___

Measured Well TD 98.60

\- Original DTW 85.28

= Wtr Col Thick. 13.32 x [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 2.17 2.25 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 6.51 6.75 TOTAL PURGE GALLONS

Purge Method CRL

Submersible Pump ~~✓~~ Dedicated Bladder Pump ___ Bladder Pump ___ [✓ Bailer] ___ SS ___ Tef ✓ PVC ___ Centrifugal Pump ___ Peristaltic Pump ___ Hand Pump ___ Gas Lift Displacement Pump ___ Other ___

Purging Equipment (Make, Model, Etc.) ~~Grundfos 2" SS Sub Pump~~ → PUMP WOULD NOT FIT WELL

PURGE WITH TEFLON BAILER - DISPOSABLE 0.25 GAL/BAIL = 9 PULL PER VOLUME

Purging Equipment Decontaminated? ~~Y~~ / [✓ N]

Purge Water Containerized? [✓ Y] / N

Average Purge Rate ___ gpm

Weather PARTLY CLOUDY COOL ~ 75°F °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity	Turbidity (NTU)	DO	~~Salinity~~ REDX	Comments
CRL 6/19/97 ~~1007~~ 1017	2.25			20.02	6.64	270	MED.	8.79	223	LIGHT AMBER
1029	4.50	~~4.50~~	CRL 6/19/97	18.73	6.22	259	MED	10.34	258	
1040	6.75	~~6.75~~		18.85	6.10	257	MED	8.56	331	
1049	9.00			18.79	6.11	256	MED	9.83	297	

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 225

Installation DDMT

Site/Project OU-2 / 2nd QGWS 1997

Project Number 113603.03.22

Purged by J Wasgow / J Emory

Well Head Reading ______ ppm

Depth Measurement Reference Point TOC

Depth to Top and Bottom of Screen ______ ft bgs

Original Depth to Water (DTW) 93.88

Well Number MW21

Sample ID Number MW212

Purge Start date 6-20-97 time

Purge End date time

Well Casing ID [✓ 2"] 4" 6" Other –

Final Depth to Water (DTW) ______

Measured Well TD 106.60

− Original DTW 93.88

= Wtr Col Thick. 12.72 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 2.04 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 6.11 TOTAL PURGE GALLONS

Purge Method

[✓ Submersible Pump] Dedicated Bladder Pump Bladder Pump Bailer SS Tef PVC Centrifugal Pump Peristaltic Pump Hand Pump Gas Lift/ Displacement Pump Other

Purging Equipment (Make, Model, Etc.) Grundfos (Hazco) 13433

Purging Equipment Decontaminated? [✓ Y] N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate ______ gpm

Weather 85°F PCloudy °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (µS/cm)	~~Turbidity~~ ORP ~~(NTU)~~	DO	Salinity	Comments
1429	0	93.88	106	19.19	6.34	170	86	7.24	0.05	Orange Tinted No Odors/Sheen
1430	2	—	106	18.78	6.15	196	88.5	5.81	0.09	"
1432	4	—	101	18.86	6.08	203	94.3	5.60	0.10	Slightly Tinted No Odors/Sheen
1434	6	—	101	18.88	6.01	210	103	5.61	0.10	"
1436	8	—	101	18.87	5.98	211	113	5.61	0.10	Clear No Odors/No sheen

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

cal 6/19/97

Installation DDMT INSTALLATION

Well Number MW ~~27~~ 22

Site/Project DDMT 2QT SAMPLING

Sample ID Number MW ~~272~~ 22 cal 6/19/97

Project Number 113630.03.ZZ

Purge Start date 19Jun97 time 1157

Purged by C.R.IVERY/G.A.FORD

Purge End date 19Jun97 time 1229

Well Head Reading ______ ppm

Depth Measurement Reference Point ______

Well Casing ID: 2" 4" 6" Other ______

Depth to Top and Bottom of Screen ______ ft bgs

Original Depth to Water (DTW) 9685

Final Depth to Water (DTW) ______

Measured Well TD 107.00

\- Original DTW 96.85

= Wtr Col Thick. 10.15 X 2" - 0.16 4" - 0.65 6" - 1.47 gals/ft = ~~1.66~~ 1.75 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = ~~4.38~~ 5.25 TOTAL PURGE GALLONS

Purge Method

Submersible Pump ___ Dedicated Bladder Pump ___ Bladder Pump ___ Bailer ___ SS ___ Tef ___ PVC ___ Centrifugal Pump ___ Peristaltic Pump ___ Hand Pump ___ Gas Lift/ Displacement Pump ___ Other ___

Purging Equipment (Make, Model, Etc.) 0.25GAL DISPOSABLE BAILER ⇒ 7 PULLS/VOL = 1.75GAL/VOL

Purging Equipment Decontaminated? Y / N

Purge Water Containerized? Y / N

Average Purge Rate ______ gpm

Weather ______ °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTU)	DO	~~Salinity~~ REDOX	Comments
1207	1.75			20.22	6.14	437	MED	13.71	248	MED AMBER COLOR
1216	3.50			19.76	6.12	445	"	13.24	259	"
1224	5.25			18.82	6.07	454	"	13.36	274	"

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 227

Installation DDMT
Well Number MW 23
Site/Project 2nd QGWS 1997
Sample ID Number MW232
Project Number 113603.03.22
Purge Start date 6-18-97 time
Purged by J Slowapie \ J Emery
Purge End date time
Well Head Reading 0 ppm
Depth Measurement Reference Point TOC
Well Casing ID: [✓ 2"] 4" 6" Other -
Depth to Top and Bottom of Screen 102-112 ft bgs
Original Depth to Water (DTW) 99.35
Final Depth to Water (DTW)

Measured Well TD 112.94
- Original DTW 99.35
= Wtr Col Thick. 13.59 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 2.17 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 6.52 TOTAL PURGE GALLONS

Purge Method
[✓ Submersible Pump] Dedicated Bladder Pump Bladder Pump Bailer SS Tef PVC Centrifugal Pump Peristaltic Pump Hand Pump Gas Lift/ Displacement Pump Other

Purging Equipment (Make, Model, Etc.) Grundfos Hazco 13433
Purging Equipment Decontaminated? [✓ Y] / N
Purge Water Containerized? [✓ Y] / N
Average Purge Rate gpm
Weather 85°F. P Cloudy

6ap

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (µ/cm)	Turbidity (NTU)	DO	Salinity	Comments
1510	6	99.35	110	18.7	6.54	430	92.3	7.37	0.10	Turbid
1512	4	—	108	18.49	6.61	455	85.6	5.22	0.22	Slow pump up
1514	5	—	107	18.72	6.65	476	95.3	5.14	0.28	Turbid No odors/sheen
1516	6	—	107	19.57	6.63	454	103.9	4.89	0.22	Turbid - clearing No odors/No sheens
1518	7	—	107	20.33	6.59	431	116.3	4.94	0.21	Slightly turbid No odors/No sheen
1521	9	—	107	20.59	6.51	393	123.5	4.68	0.19	〃
1522	10	—	107	20.4	6.49	374	126.7	4.86	0.18	〃
1527	12	—	107	20.59	6.40	334	136.6	4.60	0.16	〃
1532	16	—	107	20.55	6.39	306	145.0	4.82	0.15	Clear water No odor/sheen

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 228

Installation DDMT

Site/Project

Project Number 113603.30ZZ

Purged by Baldino / Nguyen

Well Number MW-24

Sample ID Number MW242

Purge Start date 6/19/97 time 0900

Purge End date 6/19/97 time 0945

Well Head Reading ppm

Depth Measurement Reference Point

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW)

Final Depth to Water (DTW)

Measured Well TD 116.83

− Original DTW 106.95

= Wtr Col Thick. 9.88 X 2" - 0.16 4" - 0.65 6" - 1.47 gals/ft = 1.6 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 25.0 TOTAL PURGE GALLONS

Purge Method

Submersible Pump
Dedicated Bladder Pump
Bladder Pump
Bailer [✓] SS Teflon [✓] PVC
Centrifugal Pump
Peristaltic Pump
Hand Pump
Gas Lift/ Displacement Pump
Other

Purging Equipment (Make, Model, Etc.) Bailer

Purging Equipment Decontaminated? Y / [✓ N]

Purge Water Containerized? [✓ Y] / N

Average Purge Rate gpm

Weather Sunny °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTs)	DO	Salinity	Comments ORP
	1			20.1	5.91	217		6.84	0.10	196.3
	2			19.3	5.72	218		7.10	0.10	234.5
	3			19.6	5.76	217		7.09	0.10	245.1

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 229

Installation DDMT INSTALLATION

Site/Project DDMT 2QT SAMPLING

Project Number 113620.03.ZZ

Purged by G.A.FORD/C.RIVERLY

Well Number MW25

Sample ID Number MW252

Purge Start date 6/19/97 time 1515

Purge End date 6/19/97 time 1534

Well Head Reading ______ ppm

Depth Measurement Reference Point ______

Well Casing ID: 2" 4" 6" Other ______

Depth to Top and Bottom of Screen ______ ft bgs

Original Depth to Water (DTW) ______

Final Depth to Water (DTW) ______

Measured Well TD 79.35

− Original DTW 72.23

= Wtr Col Thick. 7.12 X [✓ 2" = 0.16] 4" = 0.65 6" = 1.47 gals/ft = ~~1.16~~ 1.25 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = ~~3.48~~ 3.75 TOTAL PURGE GALLONS

Purge Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☐ SS ☐ Tef ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Piping ☐ Other ______

Purging Equipment (Make, Model, Etc.) 0.25 GAL DISPOSABLE BAILER ≅ 5 PULLS/VOL ≅ 1.25 GAL/VOL

Purging Equipment Decontaminated? Y / N

Purge Water Containerized? Y / N

Average Purge Rate ______ gpm

Weather ______ °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity	Turbidity (NTu)	DO	~~Salinity~~ REDOX	Comments
1521	1.25			18.95	6.49	236	MED	11.42	303	
1527	2.50			19.23	6.38	225	"	11.55	296	
1534	3.75 GAL			19.15	6.49	214	MED.	12.33	274	

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 230

Installation DDMT

Well Number 26

Site/Project

Sample ID Number MW262

Project Number 113603.02.ZZ

Purge Start date 6/20/97 time 1405

Purged by Baldino/ Nguyen

Purge End date 6/20/97 time 1415

Well Head Reading ppm

Depth Measurement Reference Point

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW)

Final Depth to Water (DTW)

Measured Well TD 113.20

- Original DTW 100.02

= Wtr Col Thick. 13.18 X 2" - 0.16 4" - 0.65 6" - 1.47 gals/ft = 2.10 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 6.3 TOTAL PURGE GALLONS

Purge Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☐ Tef ☒ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other

Purging Equipment (Make, Model, Etc.) disposable Bailers

Purging Equipment Decontaminated? Y / [✓ N]

Purge Water Containerized? Y / N

Average Purge Rate gpm

Weather Sunny °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity	Turbidity (NTU)	DO	Salinity	Comments

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 231

Installation Dunn Field

Well Number MW-28

Site/Project DDMT 2 QT

Sample ID Number MW-282

Project Number

Purge Start date 6-17-97 time

Purged by

Purge End date time

Well Head Reading 0 ppm

Depth Measurement Reference Point

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW) 55.54

Final Depth to Water (DTW)

Measured Well TD 69.00

\- Original DTW 55.54

= Wtr Col Thick. 13.46 x [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 2.20 ⇗ 2.25 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 6.6 ⇗ 6.75 TOTAL PURGE GALLONS

Purge Method ~~[✓ Submersible Pump]~~ CCL 6/17/97 Dedicated Bladder Pump Bladder Pump [✓ Bailer] SS Tef PVC Centrifugal Pump Peristaltic Pump Hand Pump Gas Lift Displacement Pump Other

Purging Equipment (Make, Model, Etc.) ~~Grundfos 2" S.S. Sub. Pump~~ C Wlny 6/17/97 DISPOSABLE BAILER (0.25 GALS/BAIL)

Purging Equipment Decontaminated? ~~[✓ Y]~~ ccl / [✓ N]

Purge Water Containerized? [✓ Y] / N

9 PULLS/VOL

TOTAL = 6.75 GALS

Average Purge Rate gpm

Weather P.Cloudy & 78°F Light Breeze.

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (N/a)	DO	~~Salinity~~ REDX	Comment
1453 ~~150~~		N/A	N/A	19.42	5.67	230	High	8.40	293	Orangish/Amber
1500 1500		/	/	18.57	5.69	213	HIGH	8.58	353	"
1506		/	N/A	18.55	5.72	207	"	8.84	385	"

All D... in Feet Below Reference Point on Wellhead - Generally T... of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 232

Installation DDMT

Well Number MW-29

Site/Project 2nd QT G.W. Sampling - Dunn Field

Sample ID Number MW-292

Project Number 113603.03.ZZ

Purge Start date 6-20-97 time 1610

Purged by G. Ford, C. Tierny

Purge End date 6-20-97 time 1655

Well Head Reading ________ ppm

Depth Measurement Reference Point (TOC)

Well Casing ID: [✓ 2"] 4" 6" Other ____

Depth to Top and Bottom of Screen ________ ft bgs

Original Depth to Water (DTW) 35.31

Final Depth to Water (DTW) ________

Measured Well TD 53.78

− Original DTW 35.31

= Water Col Thick. 18.47 X [✓ 2" = 0.16] 4" = 0.65 6" = 1.47 gals/ft = 3.01 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 9.04 TOTAL PURGE GALLONS

3.0 / 9,0

Purge Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ [✓ Bailer] SS ☐ Tef ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other ____

Purging Equipment (Make, Model, Etc.) Disposable Teflon® Bailer.

Purging Equipment Decontaminated? Y / [✓ N]

Purge Water Containerized? [✓ Y] / N

Average Purge Rate N/A gpm

Weather P.Cloudy, Light Breeze, ±90°F.

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTU)	DO	Salinity	Comments REDX
1630	3.0	35.31	N/A	18.20	5.89	380	N/A	6.12	N/A	342
1642	6.0		N/A	18.00	5.86	376	N/A	4.75	N/A	386
1655	9.0		N/A	17.98	5.82	375	N/A	4.64	N/A	398

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 233

Installation PDMT
Well Number MW-30
Site/Project
Sample ID Number
Project Number ~~DDMT (Memphis)~~ RAB 6/17/97 113605.03.ZE
Purge Start date 6/17/97 time 1440
Purged by Baldino / Nguyen
Purge End date 6/17/97 time 1510
Well Head Reading 0 ppm
Depth Measurement Reference Point
Well Casing ID: [✓ 2"] 4" 6" Other
Depth to Top and Bottom of Screen 60 ft bgs
Original Depth to Water (DTW)
Final Depth to Water (DTW)

Measured Well TD 60
− Original DTW 42.54
= Wtr Col Thick. X 2" = 0.16 4" = 0.65 6" = 1.47 gals/ft = 2.83 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 8.5 TOTAL PURGE GALLONS

Purge Method
Submersible Pump X Dedicated Bladder Pump Bladder Pump Bailer SS Tel PVC Centrifugal Pump Peristaltic Pump Hand Pump Gas Lift/ Displacement Pump Other

Purging Equipment (Make, Model, Etc.) Grundfos
Purging Equipment Decontaminated? [✓ Y] / ~~N~~ RAB 6/17/97
Purge Water Containerized? [✓ Y] / N
Average Purge Rate gpm
Weather

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTu)	DO	Salinity	Comments
1437		42.34								ORP
	1			18.54	6.12	423		4.23	0.21	
	2			18.58	6.08	420		4.15	0.20	
	3			18.90	6.04	372		3.98	0.18	
	3.5			19.00	5.98	355		3.85	0.17	
	4.0			18.96	5.97	365		3.86	0.18	
	4.5			18.92	5.94	446		3.86	0.22	
	5.0			18.69	5.93	482		3.91	0.23	1475.5
				19.06	5.94	347		3.68	0.17	

All Depths in Feet Below Reference Point on Wellhead · Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

Installation ______
Well Number MW-31

Site/Project DDMT (Memphis)
Sample ID Number MW312

Project Number 113603.30.TB
Purge Start date 6/20/97 time 1500

Purged by Baldino / Nguyen
Purge End date 6/20/97 time 1520

Well Head Reading ______ ppm

Depth Measurement Reference Point ______
Well Casing ID: [✓ 2"] 4" 6" Other ______

Depth to Top and Bottom of Screen 86.02 ft bgs

Original Depth to Water (DTW) ______
Final Depth to Water (DTW) ______

Measured Well TD 86.00
− Original DTW 64.18
= Wtr Col Thick. 21.82 x 2" - 0.16 / 4" - 0.65 / 6" - 1.47 gals/ft = 3.49 gals/casing vol X 5 casing vol = 10.47 TOTAL PURGE GALLONS

Purge Method

Submersible Pump ✓ | Dedicated Bladder Pump __ | Bladder Pump __ | Bailer __ SS __ Tef __ PVC __ | Centrifugal Pump __ | Peristaltic Pump __ | Hand Pump __ | Gas Lift/ Displacement Pump __ | Other ______

Purging Equipment (Make, Model, Etc.) Grundfos

Purging Equipment Decontaminated? [✓ Y] / N
Purge Water Containerized? [✓ Y] / N

Average Purge Rate ______ gpm

Weather Sunny ______ °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTU)	DO	Salinity	Comments

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 235

Installation ____________ Well Number 32

Site/Project DA MT Sample ID Number MW32Z

Project Number 113604DI.ZZ Purge Start date 6/21/97 time 1140

Purged by Baldino/Ngaren Purge End date 6/21/97 time

Well Head Reading 0.0 ppm

Depth Measurement Reference Point ____________ Well Casing ID: [✓ 2"] 4" 6" Other ____

Depth to Top and Bottom of Screen ____________ ft bgs

Original Depth to Water (DTW) ____________ Final Depth to Water (DTW) ____________

Measured Well TD 68.00

− Original DTW 58.96

= Wtr Col Thick. 9.04 X 2" - 0.16 4" - 0.65 6" - 1.47 gals/ft = 1.44 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 4.3 TOTAL PURGE GALLONS

Purge Method

Submersible Pump __ Dedicated Bladder Pump __ Bladder Pump __ [✓ Bailer] SS __ [✓ Tef] PVC __ Centrifugal Pump __ Peristaltic Pump __ Hand Pump __ Gas Lift/ Displacement Pump __ Other ____

Purging Equipment (Make, Model, Etc.) Bailer

Purging Equipment Decontaminated? Y / [✓ N] Purge Water Containerized? [✓ Y] / N

Average Purge Rate ____________ gpm

Weather Sunny °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.a.)	Conductivity ( )	Turbidity (NTu)	DO	Salinity	Comments

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

Installation DDMT
Well Number mw33 258 236
Site/Project Offsite / 2nd GGWS 1997
Sample ID Number mw332
Project Number 113603.03.22
Purge Start date 6-18-97 time
Purged by J Glasgow / J Emory
Purge End date time
Well Head Reading ppm
Depth Measurement Reference Point TOC
Well Casing ID: [✓ 2"] 4" 6" Other -
Depth to Top and Bottom of Screen 49-59 ft bgs
Original Depth to Water (DTW) 48.17
Final Depth to Water (DTW)

Measured Well TD 59.10
- Original DTW 48.17
= Wtr Col Thick. 10.93 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 1.75 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 5.25 TOTAL PURGE GALLONS

Purge Method
[✓ Submersible Pump] Dedicated Bladder Pump Bladder Pump Bailer SS Tef PVC Centrifugal Pump Peristaltic Pump Hand Pump Gas Lift/Displacement Pump Other

Purging Equipment (Make, Model, Etc.) Grundfos 13433 (Hazco)
Purging Equipment Decontaminated? [✓ Y] / N
Purge Water Containerized? Y / N
Average Purge Rate gpm
Weather 80°F. PCloudy °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (µs/cm)	~~Turbidity (NTU)~~ ORP	DO	Salinity	Comments
1353	0	48.17	58	18.25	6.11	189	70.5	10.62	0.09	Turbid
1355	2	—	56	17.76	5.96	179	74.4	9.75	0.09	Clearing
1357	3	—	54	17.90	5.73	179	84.4	9.44	0.08	Clearing
1358	4	—	54	18.27	5.69	178	89.2	9.27	0.08	Slightly turbid
1400	5	—	54	18.25	5.64	177	97.3	9.18	0.08	Slightly turbid
1402	6	—	54	18.25	5.62	177	101.4	9.13	0.08	

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 237

Installation DDMT

Well Number 34

Site/Project

Sample ID Number MW-34Z

Project Number 113603.03.Z8

Purge Start date 6/19/97 time 1345

Purged by Baldino / Nguyen

Purge End date 6/19/97 time 1515

Well Head Reading ppm

Depth Measurement Reference Point

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW)

Final Depth to Water (DTW)

Measured Well TD 163.38

− Original DTW 137.78

= Wtr Col Thick. X 2" - 0.16 4" - 0.65 6" - 1.47 gals/ft = 4.09 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 12.29 TOTAL PURGE GALLONS

Purge Method

Submersible Pump ✓ Dedicated Bladder Pump Bladder Pump Bailer SS Tef PVC Centrifugal Pump Peristaltic Pump Hand Pump Gas Lift/ Displacement Pump Other

Purging Equipment (Make, Model, Etc.) Grundfos

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? Y / N

Average Purge Rate gpm

Weather Sunny - Hot °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTu)	DO	Salinity	Comments ORP
	1			18.59				5.08	0.08	115.2
	2			21.88	5.98	176		5.18	0.08	152.6
	3			21.19	5.78	175		6.07	0.08	149.7
	4			20.96	5.74	175		6.03	0.08	158.8

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2MHILL MONITORING WELL PURGING LOG

258 238

Installation DDMT

Well Number MW 35

Site/Project OU-1 / 2nd QGWS 1997

Sample ID Number MW352

Project Number 113630.03.22

Purge Start date 6-21-97 time

Purged by J Glasgow / J Emery

Purge End date time

Well Head Reading ppm

Depth Measurement Reference Point TOC

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW) 70.13

Final Depth to Water (DTW)

Measured Well TD 88.39

− Original DTW 70.13

= Wtr Col Thick 18.25 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 2.92 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 8.76 TOTAL PURGE GALLONS

Purge Method

[✓ Submersible Pump] Dedicated Bladder Pump Bladder Pump Bailer SS Tef PVC Centrifugal Pump Peristaltic Pump Hand Pump Gas Lift/ Displacement Pump Other

Purging Equipment (Make, Model, Etc.) Grundfos (Hazco) 13433

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate gpm

Weather 75°F. Overcast

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (µS/cm)	ORP ~~Turbidity~~ (NTU)	DO	Salinity	Comments
1050	0	70.13	75'							
1052	3	—	75'	17.64	6.19	224	76.2	5.42	0.11	Orange Tint W/ odor [illegible]
1054	6	—	75'	17.94	5.91	227	119.6	5.73	0.11	"
1056	7	—	75'	18.64	5.87	226	130.9	5.24	0.11	"
1057	8	—	75'	18.64	5.86	225	136.1	5.23	0.11	"
1104	13	/	75	18.65	5.84	225	170.6	5.18	0.11	Clear, No odors

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 239

Installation ADMT

Well Number MW036

Site/Project OU1 / 2nd QGW Langley 1997

Sample ID Number MW362

Project Number 113603.03.27

Purge Start date 6-19-97 time

Purged by J Gharmi / J Emy

Purge End date time

Well Head Reading 0 ppm

Depth Measurement Reference Point TOC

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW) — 153.33

Final Depth to Water (DTW)

Measured Well TD 209.00

− Original DTW 153.33

= Wtr Col Thick. 55.67 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 8.90 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 26.72 TOTAL PURGE GALLONS

Purge Method ~~Submersible Pump~~ Dedicated Bladder Pump Bladder Pump [✓ Bailer] SS [✓ Tef] PVC Centrifugal Pump Peristaltic Pump Hand Pump Gas Lift/ Displacement Pump Other

Purging Equipment (Make, Model, Etc.)

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] N

Average Purge Rate gpm

Weather 75°F PCloudy

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (uS/cm)	~~Turbidity (NTU)~~ ORP	DO	Salinity	Comments
0745	0	153.33	200'	18.16	6.60	160	111	9.36	0.08	Slightly Turbid
0811	3	—	209'	18.65	7.02	206	115	4.73	0.10	Turbid black
0854	8	—	209'	18.46	7.42	167	67.7	5.22	0.06	Slightly Turbid
0941	13	—	209	18.65	7.73	173	96	5.43	0.08	11
1013	16	—	209'	18.70	7.77	178	93.5	3.63	0.08	11
1052	20	—	209'	18.45	7.69	181	77.7	~~5.33~~ 4.53	0.09	11
1152	27	—	209'	18.42	7.65	181	42.9	4.19	0.09	11

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 240

Installation ______

Well Number MW-37

Site/Project DDMT (Memphis)

Sample ID Number MW372

Project Number 113603.03.77

Purge Start date 6/19/97 time 0940

Purged by Boldino / Nguyen

Purge End date 6/19/97 time 1350

Well Head Reading 3 ppm

Depth Measurement Reference Point ______

Well Casing ID: [✓ 2"] 4" 6" Other ______

Depth to Top and Bottom of Screen 183.55 ft bgs

Original Depth to Water (DTW) ______

Final Depth to Water (DTW) ______

Measured Well TD 193.95

− Original DTW 127.42

= Wtr Col Thick. ______ X 2" - 0.16 / 4" - 0.63 / 6" - 1.47 gals/ft = 9.56 gals/casing vol X 1 / 2 / [✓ 3] / 4 / 5 casing vol = 28.68 TOTAL PURGE GALLONS

Purge Method stet

Submersible Pump ☒ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☐ Tef ☒ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other ______

Purging Equipment (Make, Model, Etc.) Grand Bailer

Purging Equipment Decontaminated? Y / N RAP 6/19/97

Purge Water Containerized? [✓ Y] / N

Average Purge Rate ______ gpm

Weather Sunny. 95 °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTU)	DO	Salinity	Comments ORP
1137		127.42		17.62	6.65	0151		6.10	0.13	110.1
				17.59	6.72	194		4.04	0.11	-34.0
				17.44	6.69	349		4.87	0.17	-31.1
				17.13	6.60	348		4.75	0.17	-31.6

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 241

Installation DDMT INSTALLATION

Well Number MW-38

Site/Project DDMT 2QT SAMPLING

Sample ID Number MW382

Project Number 113630.03.ZZ

Purge Start date 6/18/97 time

Purged by C.R. IVERY / B.A. FORD

Purge End date 6/18/97 time

Well Head Reading ppm

Depth Measurement Reference Point

Well Casing ID [✓ 2"] 4" 6" other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW) 133.22

Final Depth to Water (DTW)

Measured Well TD 154.00

− Original DTW 133.22

= Wtr Col Thick. 20.78 x [✓ 2" = 0.16] 4" = 0.65 6" = 1.47 gals/ft = 3.40 3.50 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = ~~10.2~~ 10.5 TOTAL PURGE GALLONS

Purge Method

[✓ Submersible Pump] Dedicated Bladder Pump Bladder Pump Bailer SS Tef PVC Centrifugal Pump Peristaltic Pump Hand Pump Gas Lift/Displacement Pump Other

Purging Equipment (Make, Model, Etc.) 2" GRUNFOS S.S. SUBPUMP

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? Y / N

Average Purge Rate gpm

Weather °F

Time	Volumes Purged (gallons)¹	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTu)	DO	Salinity	Comments
										REDOX
1040	3.50	/	152	20.39	6.54	291	n/a	12.09	/	201
TECH. PROBLEMS W/ GRUNFOS PUMP + HOSE. PURGING ABORTED.										
WILL PURGING ON 6/19/97 W/ DISPOSABLE BAILER.										
19 JUN 97										
START: 0910									REDOX	
0957	3.50 gls			2087	6.18	244	LIGHT	9.69	201.8	
1023	7.0 gals			18.10	6.22	238	n/a	12.40	199	
1043	10.5 gals			18.94	6.74	232	LIGHT	11.76	217	

¹ Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 242

Installation DDMT

Well Number MW 39

Site/Project RVS 770/2nd QGWS 1997

Sample ID Number MW392

Project Number 113603.03.22

Purge Start date 6-20-97 time

Purged by J Noorigan \ J Emery

Purge End date time

Well Head Reading 0 ppm

Depth Measurement Reference Point TOC

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW) 102.71

Final Depth to Water (DTW)

Measured Well TD 115.07

- Original DTW 102.71

= Wtr Col Thick. 12.36 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 1.98 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 5.93 TOTAL PURGE GALLONS

Purge Method ~~Submersible Pump~~ Not a good producer

Dedicated Bladder Pump ___ Bladder Pump ___ [✓ Bailer] ___ SS ___ [✓ Tef] ___ PVC ___ Centrifugal Pump ___ Peristaltic Pump ___ Hand Pump ___ Gas Lift/ Displacement Pump ___ Other ___

Purging Equipment (Make, Model, Etc.) Grundfos (Hazco) 13433

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate gpm

Weather 70 °F PCloudy

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (µS/cm)	ORP ~~Turbidity (NTU)~~	DO	Salinity	Comments
0925	0	102.71	—	20.2	6.38	391	1326	6.69	off	Turbid, lo colors/Sheen
0945	1.0	102.71	—	19.57	6.57	385	81.2	7.06	0.19	cloudy - Brownish
1005	2.0	—	—	19.11	6.48	351	88.7	7.27	0.17	cloudy
Total of approx 2.5 gallons was removed										

Note: Well is not in Vertically or joint is off. Pump will not go to bottom of well and bailer wont either. bailer went to joint and stop

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

Installation MMT

Well Number MW4C

Site/Project Off-Tr / 2nd QGWS 1997

Sample ID Number MW402

Project Number 113603.03.22

Purge Start date 6-19-97 time

Purged by J Wazonil / J Emery

Purge End date time

Well Head Reading ppm

Depth Measurement Reference Point TOC

Well Casing ID [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW) 78.79

Final Depth to Water (DTW)

Measured Well TD 95.27

− Original DTW 78.79

= Wtr Col Thick. 16.48 X [✓ 2" = 0.16] 4" = 0.65 6" = 1.47 gals/ft = 2.64 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 7.91 TOTAL PURGE GALLONS

Purge Method

[✓ Submersible Pump] Dedicated Bladder Pump Bladder Pump Bailer SS Tel PVC Centrifugal Pump Peristaltic Pump Hand Pump Gas Lift/ Displacement Pump Other

Purging Equipment (Make, Model, Etc.) Grundfos (Hazco) 13433

Purging Equipment Decontaminated? [✓ Y] N

Purge Water Containerized? [✓ Y] N

Average Purge Rate gpm

Weather 90°F. P Cloudy °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (S.U.)	Conductivity (µmhos)	ORP Turbidity (NTU)	DO	Salinity	Comments
1355	0	93	95	20.22	6.27	775	127.5	2.22	0.38	Clear
1359	6	93	95	20.11	6.37	703	143	2.94	0.35	Clear
1604	8	93	95	20.10	6.25	783	165	2.59	0.38	Clear
1605	9	93	95	20.25	6.22	783	172	2.70	0.38	Clear no odor/[illegible]

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 244

Installation DDMT

Well Number MW41

Site/Project Off Site / 2nd QGWS 1997

Sample ID Number MW41/2

Project Number 113603.03.22

Purge Start date 6-17-97 time 1510

Purged by J Pasqua \ J Emary

Purge End date 6-17-97 time 1522

Well Head Reading 0 ppm

Depth Measurement Reference Point TOC

Well Casing ID: [✓ 2"] 4" 6" Other -

Depth to Top and Bottom of Screen 57-67 ft bgs

Original Depth to Water (DTW) 64.96

Final Depth to Water (DTW) 67'

Measured Well TD 67.14

− Original DTW 64.96

= Wtr Col Thick. 2.18 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 0.349 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 1.04 TOTAL PURGE GALLONS

Purge Method ~~Submersible Pump~~ NA

Dedicated Bladder Pump — Bladder Pump — [✓ Bailer] SS — [✓ Tef] PVC — Centrifugal Pump — Peristaltic Pump — Hand Pump — Gas Lift/ Displacement Pump — Other —

Purging Equipment (Make, Model, Etc.) Grundfos Pump Hazco 13433

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate gpm

Weather 80°F PCloudy Very Humid

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (uS/cm)	~~Turbidity (NTU)~~ ORP	DO (mg/L)	Salinity	Comments
1510	0	64.96	—	20.6	6.08	355	63.8	7.51	0.17	Some turbid Water
1522	1	67		20.61	~~6.79~~	308	72	~~8.10~~	0.15	Well Dry
					6.39			7.24		

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 245

Installation OFFSITE WELL

Well Number MW-42

Site/Project DDMT 2QT SAMPLING

Sample ID Number MW422

Project Number 113630.03.ZZ

Purge Start date 6/21/97 time 1330

Purged by G.A.FORD / C.R.ZOERY

Purge End date 6/21/97 time 1339

Well Head Reading 0.0 NM ppm

Depth Measurement Reference Point (TOC)

Well Casing ID: 2" 4" 6" Other ____

Depth to Top and Bottom of Screen ________ ft bgs

Original Depth to Water (DTW) 53.67

Final Depth to Water (DTW) ________

Measured Well TD 59.10

- Original DTW 53.67

= Wtr Col Thick. 5.43 X 2" = 0.16 4" = 0.65 6" = 1.47 gals/ft = ~~0.89~~ 10 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = ~~2.67~~ 3 TOTAL PURGE GALLONS

Purge Method

Submersible Pump ___ Dedicated Bladder Pump ___ Bladder Pump ___ Bailer X SS ___ Tef X PVC ___ Centrifugal Pump ___ Peristaltic Pump ___ Hand Pump ___ Gas Lift/ Displacement Pump ___ Other ___

Purging Equipment (Make, Model, Etc.) DISPOSABLE

Purging Equipment Decontaminated? Y / N

Purge Water Containerized? Y / N

Average Purge Rate 0.25 GAL/BAIL gpm => 4 BAILS/VOL => 1.0 GAL/VOL

Weather ________

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTU)	DO	~~Salinity~~ Redox	Comments
1335	1.0			19.92	5.76	230	LIGHT	4.01	251	LIGHT TAN COLOR
1338	2.0			18.83	5.82	230	LIGHT	3.57	232	"
1339	~~3.0~~	WELL PURGE DRY AFTER TWO VOLUMES								
	2.25	(~2.25 GALS) REMOVED. WILL COLLECT SAMPLES								
		AFTER RECHARGE								

All Depths in Feet from Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

Installation DDMT

Well Number MW-42 258 246

Site/Project 2-ND QT. G.W. Sampling

Sample ID Number MW-422

Project Number 113603.03.ZZ

Purge Start date 6-22-97 time

Purged by C. Jury, Jim Emery R. Baldino

Purge End date 6-22-97 time

Well Head Reading 0.0 ppm

Depth Measurement Reference Point (TOC)

Well Casing ID [✓ 2"] 4" 5" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW)

Final Depth to Water (DTW)

Measured Well TD 121.72

− Original DTW 102.13

= Wtr Col Thick. 19.59 X [✓ 2"] = 0.16 / 4" = 0.65 / 6" = 1.47 gals/ft = 3 gals/casing vol X 1 / 2 / [✓ 3] / 4 / 5 casing vol = 9 TOTAL PURGE GALLONS

Purge Method

Submersible Pump ☒ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☐ SS ☐ Tef ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other ____

Purging Equipment (Make, Model, Etc.) 2" Grundfo's

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] N

Average Purge Rate gpm

Weather Sunny °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTU)	DO	Salinity	Comments ORP
	1			19.7	5.96	152	7.14 7.18			100
	2			19.97	5.85	324	5.33 6.14			150.8
	3			19.55	5.90	353	5.57 5.55			138
	3.5			19.40	5.89	357	5.55 5.57			140

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 247

Installation DDMT

Site/Project Offsite / 2nd Qtr GWS 1997

Project Number 113603.03.22

Purged by J Sheppard J Emery

Well Head Reading 0 ppm

Depth Measurement Reference Point TOC

Depth to Top and Bottom of Screen ______ ft bgs

Original Depth to Water (DTW) 49.24

Well Number MW44

Sample ID Number MW442

Purge Start date 6-20-97 time

Purge End date ______ time ______

Well Casing ID: [✓ 2"] 4" 6" Other ______

Final Depth to Water (DTW) ______

Measured Well TD 73.02

− Original DTW 49.24

= Wtr Col Thick. ~~44.24~~ 23.78 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 3.80 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 11.41 TOTAL PURGE GALLONS

3.8
5
19.0

Purge Method [✓ Submersible Pump] Dedicated Bladder Pump ___ Bladder Pump ___ Bailer ___ SS ___ Tef ___ PVC ___ Centrifugal Pump ___ Peristaltic Pump ___ Hand Pump ___ Gas Lift/ Displacement Pump ___ Other ___

Purging Equipment (Make, Model, Etc.) Grundfos (Hazco) 13433

Purging Equipment Decontaminated? [✓ Y] N

Purge Water Containerized? [✓ Y] N

Average Purge Rate ______ gpm

Weather 80°F. PCloudy

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (uS/cm)	ORP Turbidity (NTU)	DO	Salinity	Comments
1106	0	49.24								
			No Reading pH meter wont work / Now it works							
1112	14	—	68	17.99	6.13	207	119.2	7.79	0.13	Clr. water no odor/sheen
1114	16	—	68	1769	6.09	277	124.4	7.63	0.13	11
1115	18	—	68	1799	6.09	277	124.4	7.73	0.13	11
1117	20	—	68	1799	6.09	277	124.4	7.63	0.13	11

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

Installation DDMT

Site/Project [illegible] 12th QGWS,1997

Project Number 113603.03.22

Purged by J Blazour\ J Emery

Well Head Reading 40 ppm

Depth Measurement Reference Point TOC

Depth to Top and Bottom of Screen ______ ft bgs

Original Depth to Water (DTW) ______

Well Number MW45

Sample ID Number MW452

Purge Start date 6-20-97 time ______

Purge End date ______ time ______

Well Casing ID [✓ 2"] 4" 6" Other ______

Final Depth to Water (DTW) ______

Measured Well TD 68.18

− Original DTW 52.83

= Wtr Col Thick. 15.35 X [✓ 2" - 0.16] 3" - 0.65 6" - 1.47 gals/ft = 2.46 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 7.37 TOTAL PURGE GALLONS

Purge Method

[✓ Submersible Pump] Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☐ SS ☐ Tef ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other ______

Purging Equipment (Make, Model, Etc.) Grundfos (Hazco) 13433

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate ______ gpm

Weather 85°F Cloudy °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (US/cm)	~~Turbidity~~ ORP (~~NTU~~)	DO	Salinity	Comments
1315	0	52.83								
1319	5	—	63'	19.47	6.24	336	95.2	2.17	0.16	Orange Turbid No Odor/Nosheen
1320	6	—	63'	19.99	6.26	337	94.3	2.06	0.16	Clearing No Odor No sheen
1321	8	—	63	19.51	6.16	338	95.7	1.99	0.16	Orange Tinted white No odor No sheen
1323	12	—	63'	19.51	6.11	338	105.5	1.90	0.16	11
1325	16	—	63'	19.49	6.07	337	130.3	1.69	0.16	

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 249

Installation DUNN FIELD
Well Number MW-46
Site/Project DDMT 2QT
Sample ID Number MW462
Project Number 113630.03.ZZ
Purge Start date 6/17/97 time
Purged by C.R TUEAY / G. FORD
Purge End date 6/17/97 time
Well Head Reading <1.0 PPM ppm
Depth Measurement Reference Point TOC
Well Casing ID: [✓ 2"] 4" 6" Other
Depth to Top and Bottom of Screen ft bgs
Original Depth to Water (DTW) 50.10
Final Depth to Water (DTW) NA

Measured Well TD 70.95
− Original DTW 50.10
= Wtr Col Thick. 20.85 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = ~~3.40~~ 3.50 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = ~~10.2~~ 10.5 TOTAL PURGE GALLONS

Purge Method
Submersible Pump — Dedicated Bladder Pump — Bladder Pump — [✓ Bailer] — SS — [✓ Tef] — PVC — Centrifugal Pump — Peristaltic Pump — Hand Pump — Gas Lift/ Displacement Pump — Other —

Purging Equipment (Make, Model, Etc.) DISPOSABLE BAILER
Purging Equipment Decontaminated? Y / [✓ N] DISPOSABLE BAILER
Purge Water Containerized? [✓ Y] / N
Average Purge Rate 0.25 GAL/BAILER gpm 13.6 PULLS/VOL ⇒ 14 PULL/VOL
Weather

	Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTs)	DO	Salinity	Comments
1253	~~1353~~	/			19.70	5.85	204		7.60	—	SLIGHTLY TURBID-ORANGISH TAN COLOR
1306	~~1406~~ CRT 6/17/97				18.58	5.86	217		7.37		"
1324	~~1424~~				18.39	5.94	253		7.27		"
1334	~~1434~~				18.37	5.93	267		6.70		SLIGHTLY CLEAR
			TOTAL VOLUME = 14.0 GALS PURGED								

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 250

Installation AAMT

Well Number MW48

Site/Project offsite / 2nd GGWS1997

Sample ID Number MW482

Project Number 113603.03.22

Purge Start date 6-18-97 time

Purged by J Dawson / J Emery

Purge End date time

Well Head Reading 0 ppm

Depth Measurement Reference Point TOC

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW) 79.45

Final Depth to Water (DTW)

Measured Well TD 93.50

- Original DTW 79.45

= Wtr Col Thick 14.05 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 2.25 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 6.75 TOTAL PURGE GALLONS

Purge Method

[✓ Submersible Pump] Dedicated Bladder Pump Bladder Pump Bailer SS Tef PVC Centrifugal Pump Peristaltic Pump Hand Pump Gas Lift/ Displacement Pump Other

Purging Equipment (Make, Model, Etc.) Grundfos Harco 13433

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate gpm

Weather 75°F. PCloudy

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	~~Turbidity (NTU)~~ ORP	DO	Salinity	Comments
1200	0	79.45	93	20.1	6.11	256	65	4.51	0.12	turbid
1202	2	—	90	18.63	6.13	249	61.5	5.01	0.12	
1209	3	—	87	18.63	6.14	249	62.1	6.08	0.15	
1205	4	—	87	18.61	6.10	248	665	7.46	0.10	
206	6	—	87	18.71	6.08	247	778	8.58	0.12	
1208	7	—	87	18.77	6.06	247	85.5	8.53	0.12	

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 251

Installation DDMT

Well Number MW-49

Site/Project OU I / 2nd QGWS,99

Sample ID Number MW 492

Project Number 113603.03.22

Purge Start date 6-17-97 time

Purged by J Flanagan / J Emery

Purge End date time

Well Head Reading 0 ppm

Depth Measurement Reference Point TOC

Well Casing ID: [✓ 2"] 4" 6" Other -

Depth to Top and Bottom of Screen 66-76 ft bgs

Original Depth to Water (DTW) 76.10

Final Depth to Water (DTW)

Measured Well TD 89.42

\- Original DTW 76.10

= Wtr Col Thick. 13.32 X 2" - 0.16 / 4" - 0.65 / 6" - 1.47 gals/ft = 2.13 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 6.40 TOTAL PURGE GALLONS

Purge Method

Submersible Pump ✓ Dedicated Bladder Pump _ Bladder Pump _ Bailer _ SS _ Tef _ PVC _ Centrifugal Pump _ Peristaltic Pump _ Hand Pump _ Gas Lift/ Displacement Pump _ Other _

Purging Equipment (Make, Model, Etc.) Grundfos Hazco 13433

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate ___ gpm

Weather 80°F Pcldy °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (µS/cm)	Turbidity ~~NTU~~ ORP	DO	Salinity	Comments
1650	0	76.10								Sli turbid
1655	2	—	76	18.6	5.84	190	134	6.07	009	Sli turbid
1658	3	—	71	19.7	5.79	191	166	6.50	0.09	"
1704	5	—	71	19.2	5.72	196	161.5	6.10	0.09	"
1707	6	—	71	19.6	5.70	200	161.5	5.90	0.09	"
1710	8	—	71	19.6	5.71	197	161.6	5.91	0.09	"

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 252

Installation DPMT

Well Number 50

Site/Project

Sample ID Number MW50Z

Project Number 113605.03.77

Purge Start date 6/19/97 time 1100

Purged by Baldino / Nguyen

Purge End date 6/19/97 time 1120

Well Head Reading ______ ppm

Depth Measurement Reference Point

Well Casing ID: [✓ 2"] 4" 6" Other -

Depth to Top and Bottom of Screen ______ ft bgs

Original Depth to Water (DTW)

Final Depth to Water (DTW)

Measured Well TD 129.18

− Original DTW 85.60

= Wtr Col Thick. 43.58 X 2" - 0.16 4" - 0.65 6" - 1.47 gals/ft = 7.4 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 22.2 TOTAL PURGE GALLONS

Purge Method

Submersible Pump ☒ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☐ SS ☐ Tef ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other ☐

Purging Equipment (Make, Model, Etc.) Grundfos

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate ______ gpm

Weather Sunny

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTU)	DO	Salinity	Comments ORP
	1			19.41	5.90	537		3.64	.26	175.4
	2			19.51	5.73	627		2.65	0.30	187.5
	3			19.24	5.64	697		2.16	0.34	198.3
	3.5			19.24	5.62	721		1.93	0.35	203.0
	40			19.24	5.58	755		1.92	0.36	206.6

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 253

Installation DDMT

Well Number 51

Site/Project

Sample ID Number MW51Z

Project Number 113603.03.FZ

Purge Start date 6/20/97 time 0850

Purged by Baldino/Nguyen

Purge End date 6/20/97 time 0855

Well Head Reading ppm

Depth Measurement Reference Point

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW)

Final Depth to Water (DTW)

Measured Well TD 109.82

− Original DTW 36.70

= Wtr Col Thick. 73.12 X 2" - 0.16 4" - 0.65 6" - 1.47 gals/ft = 5.3 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 16 TOTAL PURGE GALLONS

Purge Method

Submersible Pump X

Dedicated Bladder Pump

Bladder Pump

Bailer

SS Tef PVC

Centrifugal Pump

Peristaltic Pump

Hand Pump

Gas Lift/ Displacement Pump

Other

Purging Equipment (Make, Model, Etc.) Grundfos

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] N

Average Purge Rate gpm

Weather Sunny °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTs)	DO	Salinity	Comments ORP
	1			18.4	5.76	286		7.65	0.14	194.5
	2			18.41	5.64	281		6.65	0.15	201.6
	3			18.43	5.82	279		5.82	0.15	208.9
	35			18.43	5.67	278		5.62	0.15	211.2

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

Installation PPMT

Well Number MW-52 258 254

Site/Project

Sample ID Number MW522

Project Number 113603.03.ZZ

Purge Start date 6/18/97 time 1600

Purged by Baldino / Nguyen

Purge End date 6/18/97 time 1615

Well Head Reading 0.0 ppm

Depth Measurement Reference Point

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW)

Final Depth to Water (DTW)

Measured Well TD 105.00

- Original DTW 80.57

= Wtr Col Thick. 24.63 X 2" - 0.16 / 4" - 0.65 / 6" - 1.47 gals/ft = 3.94 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 12.0 TOTAL PURGE GALLONS

Purge Method

Submersible Pump ✓ Dedicated Bladder Pump Bladder Pump Bailer SS Tef P/C Centrifugal Pump Peristaltic Pump Hand Pump Gas Lift/ Displacement Pump Other

Purging Equipment (Make, Model, Etc.) Grundfos

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate gpm

Weather Sunny °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTs)	DO	Salinity	Comments ORP
	1			18.61	5.81	885		3.76	0.44	133.4
	2			18.69	5.71	989		3.22	0.44	139.7
	3			18.59	5.66	995		3.03	0.44	145.2
	3.5			18.59	5.63	995		3.02	0.44	149.0

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 255

Installation DDMT

Well Number MW53

Site/Project Offsite / 2nd QGWS 1997

Sample ID Number MW532

Project Number 113603.03.22

Purge Start date 6-19-97 time

Purged by J Dasgus / J Emery

Purge End date time

Well Head Reading ppm

Depth Measurement Reference Point TOC

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW) 72.75

Final Depth to Water (DTW)

Measured Well TD ~~72.75~~ 83.04

− Original DTW 72.75

= Wtr Col Thick. 10.29 x [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 1.65 gals/casing vol x 1 2 [✓ 3] 5 casing vol = 5 TOTAL PURGE GALLONS

Purge Method: [✓ Submersible Pump] Dedicated Bladder Pump Bladder Pump Bailer SS Tef PVC Centrifugal Pump Peristaltic Pump Hand Pump Gas Lift/Displacement Pump Other

Purging Equipment (Make, Model, Etc.) Grundfos Hazco 13433

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate gpm

Weather 85°F P Cloudy

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (uS/cm)	ORP ~~Turbidity (NTU)~~	DO	Salinity	Comments
1424	0	72.75	77'	19.77	6.75	438	648	3.22	0.21	Turbid/No Odors/Shns
1427	2	—	77'	19.53	6.20	450	66.7	2.12	0.22	Turbid but clearing No Odors/Sheens
1428	3.	—	77'	2016	6.07	456	69.9	1.64	0.22	"
1429	4	—	77'	2012	6.02	455	734	1.56	0.22	almost Clear No Odors/No Sheens
1430	5	—	77'	2008	5.98	454	766	1.49	0.22	Clear No Odors/Sheens
1431	6	—	77'	20.07	5.96	454	78.2	1.41	0.22	

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

258 256

Installation DDMT

Well Number 54

Site/Project

Sample ID Number MW542

Project Number 113603.03.77

Purge Start date 6/20/97 time 1110

Purged by Baldino / Nguyen

Purge End date 6/20/97 time 1120

Well Head Reading ppm

Depth Measurement Reference Point

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW)

Final Depth to Water (DTW)

Measured Well TD 100.76

- Original DTW 74.78

= Wtr Col Thick. 25.98 X 2" - 0.16 / 4" - 0.65 / 6" - 1.47 gals/ft = 4.14 gals/casing vol X 1 / 2 / [✓ 3] / 4 / 5 casing vol = 12.4 TOTAL PURGE GALLONS

Purge Method

[✓ Submersible Pump] Dedicated Bladder Pump ___ Bladder Pump ___ Bailer ___ SS ___ Tef ___ PVC ___ Centrifugal Pump ___ Peristaltic Pump ___ Hand Pump ___ Gas Lift/ Displacement Pump ___ Other ___

Purging Equipment (Make, Model, Etc.) Grundfos

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate gpm

Weather Sunny

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTU)	DO	Salinity	Comments

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

CH2M HILL MONITORING WELL PURGING LOG

Installation DDMT

Well Number MW55

Site/Project 2nd QGWS 1997

Sample ID Number MW552

Project Number 113603.03.22

Purge Start date 6-18-97 time 0915

Purged by J Lhyn / J Emory

Purge End date ____ time ____

Well Head Reading ____ ppm

Depth Measurement Reference Point TOC

Well Casing ID: [✓ 2"] 4" 6" Other ____

Depth to Top and Bottom of Screen ____ ft bgs

Original Depth to Water (DTW) 69.28

Final Depth to Water (DTW) ____

Measured Well TD 74.08

− Original DTW 69.28

= Wtr Col Thick. 4.8 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 0.768 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 2.30 TOTAL PURGE GALLONS

Purge Method [✓ Submersible Pump] Dedicated Bladder Pump ____ Bladder Pump ____ Bailer ____ SS ____ Tel ____ PVC ____ Centrifugal Pump ____ Peristaltic Pump ____ Hand Pump ____ Gas Lift Displacement Pump ____ Other ____

Purging Equipment (Make, Model, Etc.) Grundfos Hazco 13433

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate ____ gpm

Weather 70°F Cloudy °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (uS/cm)	Turbidity (NTU) ORP	DO	Salinity	Comments
0915	0	69.28	74.08	19.22	5.77	191	99.3	6.05	0.10	Black sandy/silt
0917	3	—	X	19.29	5.72	192	107	6.27	0.09	slightly Turbid No odor
0919	5	—	X	19.45	5.81	201	107.6	5.72	0.09	11
0922	10	—	272	19.90	5.68	193	119.1	6.18	0.09	slightly turbid No odor
0929	16	—	~~72~~ 72	20.67	5.58	176	136	7.11	0.08	
0931	20	—	72	20.69	5.58	183	143	6.68	0.09	

All Depths in Feet Below Reference Point on Wellhead - Generally Top of Casing (TOC)

Appendix D

Sample Logs

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number 258 259

Installation DUNN FIELD

Site/Project DDMT 2Q97 SAMPLING

Project Number 113630.03.ZZ

Sampled by C.R. IVERY / G. A. FORD

Well Number MW-2

Sample ID Number MW22

Sample Start date 6/21/97 time 1015

Sample End date 6/21/97 time 1040

Original Static Water Level 25.03 ft BTOC

Final Static Water Level ______ ft BTOC

Screen Interval ______ – ______ ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	~~Salinity~~ REDX
1000	21.6	6.03	587	LIGHT	3.79	206
1005	18.9	6.08	573	LIGHT	4.01	212
1006	WELL PURGED DRY. SLOW RECOVERY					
	SAMPLE STARTED AT 1015.					

Are parameters 20% of purge values? [✓ Y] / N

Repurge? Y / [✓ N]

Number of repurge volumes ______

Sampling Method

Submersible Pump ☒ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☐ Tef ☒ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other ______

Sampling Equipment (Make, Model, Etc.) 2" SS GRUNDFOS PUMP (TAL METALS) + DISPOSABLE BAILER (

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer: depth(s) where pump set 27 ft BTOC

Weather PARTLY CLOUD 85°F °F

Lab Analyses

VOC ☒ SVOC ☐ TAL Metals ☒ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other ______

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates [✓ Y] / N (VOC ONLY)

Split Sample Y / N

MS/MSD Y / N

Comments ______

BTOC = Below Top of Casing (or other measurement reference point)

CH2MHILL MONITORING WELL SAMPLING LOG

Form Number 258 260

Installation DDMT

Site/Project

Project Number 113603.DQ.ZZ

Sampled by Boldino / Nguyen

Well Number 03

Sample ID Number MW032

Sample Start date 6/21/97 time 0930

Sample End date 6/21/97 time 0940

Original Static Water Level 62.18 ft BTOC

Final Static Water Level ______ ft BTOC

Screen Interval ______ — ______ ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity

Are parameters 20% of purge values? Y / N

Repurge? Y / N

Number of repurge volumes ______

3 well volumes purged

Sampling Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☐ Tef ☒ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other ______

Sampling Equipment (Make, Model, Etc.) Bailer

Sampling Equipment Decontaminated ? Y / [✓ N]

If pump or discrete bailer: depth(s) where pump set ______ ft BTOC

Weather Sunny

Lab Analyses

VOC ☒ SVOC ☐ Metals ☒ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other TOC, SO4, Cl, ~~[illegible]~~ NO3/NO2, NH4, Fe

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments YSI not working.

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

258 261
Form Number

Installation DDMT
Well Number 04
Site/Project
Sample ID Number MW042
Project Number 113603.03.ZZ
Sample Start date 6/20/97 time 1040
Sampled by Baldino/Nguyen
Sample End date 6/20/97 time 1045

Original Static Water Level ~~74.48~~ RAG 6/20/97 69.80 ft BTOC
Final Static Water Level ft BTOC
Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity

Are parameters 20% of purge values? Y / N
Repurge? Y / N
Number of ~~repurge~~ total volumes 3
N/A

Sampling Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☐ Tef ☒ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other

Sampling Equipment (Make, Model, Etc.) Bailer
Sampling Equipment Decontaminated ? Y / [✓ N]
If pump or discrete bailer: depth(s) where pump set ft BTOC
Weather Sunny

Lab Analyses

VOC ☒ SVOC ☒ Metals ☒ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates Y / [✓ N]
Split Sample Y / [✓ N]
MS/MSD Y / [✓ N]
Comments YSI not working

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number 258 262

Installation DDMT

Well Number MW-05

Site/Project [illegible] GW. Sampling Dunfield

Sample ID Number MW-052

Project Number 113602.02.ZZ

Sample Start date 6-21-97 time 1125

Sampled by G. Ford, C. Jury

Sample End date 6-21-97 time

Original Static Water Level 74.50 ft BTOC

Final Static Water Level ______ ft BTOC

Screen Interval ______ — ______ ft BTOC

Time	Temperature	pH	Conductivity	~~Turbidity~~	DO	Redox ~~Salinity~~
1104	18.85	6.76	302	MED	6.93	310
1111	18.38	6.78	306	"	6.69	311
1116	17.89	5.88	292	"	6.56	707

Are parameters 20% of purge values? [✓ Y] / N

Repurge? Y / N

Number of repurge volumes ______

Sampling Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☐ Tef ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other ______

Sampling Equipment (Make, Model, Etc.) Disposable Teflon Bailer

Sampling Equipment Decontaminated ? Y / [✓ N]

If pump or discrete bailer, depth(s) where pump set n/a ft BTOC

Weather Cloudy, Light Breeze, ±85° °F

Lab Analyses

VOC ☒ SVOC ☒ [✓ TAL Metals ☒] Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other IODIDE

Metals: Filtered ☐ [✓ Unfiltered ☐] Both ☐

Field Duplicates Y / N

Split Sample Y / N

MS/MSD Y / N

Comments ______

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number ______

Installation DDMT

Site/Project OU-1 / 2nd QGWS 1997

Project Number 113630.03.22

Sampled by J Glasgow / J Emery

Well Number MW06

Sample ID Number MW062

Sample Start date 6-21-97 time ______

Sample End date ______ time ______

Original Static Water Level 58.26 ft BTOC

Final Static Water Level ______ ft BTOC

Screen Interval ______ – ______ ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1430						
		pH	Meter			
			Kaput			

Are parameters 20% of purge values? [✓ Y] N

Repurge? Y / [✓ N]

Number of repurge volumes ______

Sampling Method

[✓ Submersible Pump] ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ [✓ Bailer] SS ☐ [✓ Tef] ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other ______

Sampling Equipment (Make, Model, Etc.) Grundfos (Hazco) 13433

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer, depth(s) where pump set ______ ft BTOC

Weather 80°F Muggy, Overcast °F

Lab Analyses

[✓ VOC] ☐ [✓ SVOC] ☐ [✓ Metals] ☐ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other FS, FE

Metals: Filtered ☐ [✓ Unfiltered] ☐ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

8 Bottles

Comments ______

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number 258 264

Installation DPMT

Well Number 07

Site/Project

Sample ID Number MW072

Project Number 113603.05.ZB

Sample Start date 6/21/97 time 1050

Sampled by Baldino/Nguyen.

Sample End date 6/21/97 time 1040

Original Static Water Level 63.08 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity

Are parameters 20% of purge values? Y / N

Repurge? Y / N

Number of repurge volumes

3 well volumes

Sampling Method

Submersible Pump ☒ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☐ SS ☐ Tef ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other

Sampling Equipment (Make, Model, Etc.) Grundfos

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer: depth(s) where pump set ft BTOC

Weather Sunny °F

Lab Analyses

VOC ☒ SVOC ☒ Metals ☒ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments YSI not working. VOCs collected w/ Bailer

BTOC = Below Top of Casing (or other measurement reference point)

258 265

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number

Installation DDMT

Well Number 08

Site/Project

Sample ID Number MW092

Project Number 113605.03.EE

Sample Start date 6/21/97 time 1110

Sampled by Baldino/Nguyen

Sample End date 6/21/97 time 1120

Original Static Water Level 57.59 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity

Are parameters 20% of purge values? Y / N

Repurge? Y / N

Number of repurge volumes

3 well volumes

Sampling Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☐ Tef ☒ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other

Sampling Equipment (Make, Model, Etc.) Bailer

Sampling Equipment Decontaminated ? Y / [✓ N]

If pump or discrete bailer: depth(s) where pump set ft BTOC

Weather Sunny °F

Lab Analyses

VOC ☒ SVOC ☒ Metals ☒ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other TOC, SO4, NO3/NO2, Cl, NH4, Fe

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments YSI not working

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number 258 266

Installation DUNN FIELD

Site/Project DDMT 2QT SAMPLING

Project Number 113630.03.ZZ

Sampled by C.R. IVEY / GA. FORD

Well Number MW-9

Sample ID Number MW92

Sample Start date 6/20/97 time 1030

Sample End date 6/20/97 time 1035

Original Static Water Level 71.10 ft BTOC

Final Static Water Level ________ ft BTOC

Screen Interval ______ — ______ ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	~~Salinity~~ REDOX
0954	20.44	6.28	448	MED	6.30	238
1008	18.83	6.21	412	"	6.70	248
1025	18.97	6.22	421	"	6.36	249

Are parameters 20% of purge values? Y / N

Repurge? Y / N

Number of repurge volumes ________

Sampling Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☐ Tef ☒ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other ______

Sampling Equipment (Make, Model, Etc.) DISPOSABLE 0.25GAL BAILER

Sampling Equipment Decontaminated ? Y / [✓ N]

If pump or discrete bailer, depth(s) where pump set ________ ft BTOC

Weather HOT, SUNNY+CLEAR 90-95 °F °F

Lab Analyses

[✓ VOC] SVOC ☐ [✓ Metals] ☐ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other ________

Metals: Filtered ☐ [✓ Unfiltered] ☐ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments ________

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING

Form Number 258 267

Installation DDMT

Well Number MW 10

Site/Project OU-1 / 2nd QGWS 1997

Sample ID Number MW 102

Project Number 113630.03.22

Sample Start date 6-21-97 time 0905

Sampled by J Olsson / J Emery

Sample End date time

Original Static Water Level 57.55 ft BTOC

Final Static Water Level

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	ORP Turbidity	DO	Salinity
0905	18.13	6.01	380	99.7	5.44	0.18

Are parameters 20% of purge values? [✓ Y]

Repurge? Y / [✓ N]

Number of repurge volumes

Sampling Method

[✓ Submersible Pump ☐] Dedicated Bladder Pump ☐ Bladder Pump ☐ [✓ Bailer ☐] SS ☐ Tef ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Dedicated Disposable Pump ☐ Other

Sampling Equipment (Make, Model, Etc.) Grundfos (Hazco) 13433

Sampling Equipment Decontaminated ? [✓ Y] N

If pump or discrete bailer; depth(s) where pump set ft BTOC

Weather 75°F Hazy Muggy

Lab Analyses

[✓ VOC ☐] SVOC ☐ [✓ Metals ☐] Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other

Metals: Filtered ☐ [✓ Unfiltered ☐] Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number 258 268

Installation DUDD FIELD

Well Number MW-11

Site/Project DDH17 2QT SAMPLING

Sample ID Number MW112

Project Number 113630.03-ZZ

Sample Start date 6/21/97 time 1235

Sampled by CRIDER/G.A. FORD

Sample End date 6/21/97 time

Original Static Water Level 69.27 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	~~Salinity~~ Redox
1207	18.97	5.53	241	NED	5.91	318
1214	17.98	5.40	231	"	5.57	340
1221	18.19	5.38	228	"	5.60	353

Are parameters 20% of purge values? [✓ Y] N

Repurge? Y [✓ N]

Number of repurge volumes

Sampling Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☐ Tef ☒ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other

Sampling Equipment (Make, Model, Etc.) DISPOSABLE BAILER

Sampling Equipment Decontaminated ? Y / [✓ N]

If pump or discrete bailer: depth(s) where pump set ft BTOC

Weather HOT + SUNNY 90-95° F

Lab Analyses

VOC ☒ SVOC ☐ [✓ TAL Metals ☒] Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other IODINE

Metals: Filtered ☐ Unfiltered ☐ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number 258 269

Installation OOMTT

Site/Project OU-1 / 2nd QGWS 1997

Project Number 113630.03.ZZ

Sampled by J Slosson / J Emery

Well Number MW 12

Sample ID Number MW121

Sample Start date 6-21-97 time

Sample End date time

Original Static Water Level 71.00 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	~~Turbidity~~ ORP	DO	Salinity
1330	20.35	6.00	215	164.5	6.57	0.10

Are parameters 20% of purge values? [✓ Y] N

Repurge? Y / [✓ N]

Number of repurge volumes

Sampling Method

[✓ Submersible Pump ☐] Dedicated Bladder Pump ☐ Bladder Pump ☐ [✓ Bailer ☐] SS ☐ [✓ Tef ☐] PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other

Sampling Equipment (Make, Model, Etc.) GrundFos (Hazco) 13433

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer: depth(s) where pump set ft BTOC

Weather 85°F Overcast / Muggy °F

Lab Analyses

[✓ VOC ☐] SVOC ☐ [✓ Metals ☐] Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other

Metals: Filtered ☐ [✓ Unfiltered ☐] Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments

BTOC = Below Top of Casing (or other measurement reference point)

258 270

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number

Installation DUNNFIELD

Site/Project DDMT ZQT SAMPLING

Project Number 136303-ZZ

Sampled by C.R. IVERY & G.A. FORD

Well Number MW-13

Sample ID Number MW132

Sample Start date 6/20/97 time 1220 ~~1200~~

Sample End date 6/20/97 time 1238

Original Static Water Level 67.88 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	~~Salinity~~ REDOX
1130	19.02	6.04	204	MED	8.80	300
1137	18.59	5.99	206	MED	8.99	301
1148	18.66	5.91	208	〃	8.84	287

Are parameters 20% of purge values? [✓ Y] / N

Repurge? Y / [✓ N]

Number of repurge volumes

Sampling Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ [✓ Bailer] SS ☐ Teflon ☑ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other

Sampling Equipment (Make, Model, Etc.) 0.25 Gal DISPOSABLE BAILER

Sampling Equipment Decontaminated ? Y / [✓ N]

If pump or discrete bailer, depth(s) where pump set ft BTOC

Weather PARTLY CLOUDY, LIGHT BREEZE 80 °F

Lab Analyses

[✓ VOC] [✓ SVOC] [✓ TAL Metals] Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other Fe, TOC, NO3/NO2, & NH3

Metals: Filtered ☐ [✓ Unfiltered] Both ☐

Field Duplicates [✓ Y] / N SVOC ONLY

Split Sample Y / N

MS/MSD Y / N

Comments

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number 258 271

Installation DUNN FIELD

Site/Project DDMT 2QT SAMPLING

Project Number ~~11360~~ 113630.03.ZZ

Sampled by C.R. ZVERY / G.A. FORD

Well Number MW-14

Sample ID Number MW142

Sample Start date 6/18/97 time 1445

Sample End date 6/18/97 time 1501

Original Static Water Level 71.82 ft BTOC

Final Static Water Level ______ ft BTOC

Screen Interval ______ – ______ ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	~~Salinity~~ REDOX
1400	18.77	4.91	224	HIGH	17.08	302
1406	18.24	5.40	224	"	14.68	333
1411	18.84	5.48	225	"	17.01	346
1415	18.84	5.70	224	MED	12.80	342

Are parameters 20% of purge values? [✓ Y] / N

Repurge? Y / N

Number of repurge volumes ______

Sampling Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ [✓ Bailer] ☐ ☐ SS ☐ [✓ Tef] ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other ______

Sampling Equipment (Make, Model, Etc.) DISPOSABLE BAILER

Sampling Equipment Decontaminated ? Y / [✓ N]

If pump or discrete bailer: depth(s) where pump set ______ ft BTOC

Weather SUNNY 90°F °F

Lab Analyses

[✓ VOC] ☐ [✓ SVOC] ☐ [✓ TAL Metals] ☐ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other TOC, SO4, NO3/NO2, Cl, Mn + Fe

Metals: Filtered ☐ [✓ Unfiltered] ☐ Both ☐

Field Duplicates [✓ Y] / N TAL METALS ONLY

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments ______

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number 258 272

Installation DDMT
Well Number MW-15
Site/Project AT-2 C.W. Dunfield
Sample ID Number MW-152
Project Number 11360303ZZ
Sample Start date 6-20-97 time 1545
Sampled by C. Ivey, G. Good
Sample End date 6-20-97 time

Original Static Water Level 64.32 ft BTOC
Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1527	17.49	5.83	186	n/a	7.67	N/A
1532	18.44	5.70	180		7.00	
1540	18.15	5.75	183		7.12	

Are parameters 20% of purge values? [✓ Y] / N
Repurge? Y [✓ N]
Number of repurge volumes

Sampling Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☐ Tef ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other

Sampling Equipment (Make, Model, Etc.) Disposable Teflon® Bailer.

Sampling Equipment Decontaminated? ~~Y~~ [✓ N]

If pump or discrete bailer: depth(s) where pump set N/A ft BTOC

Weather P-cloudy, light breeze, ≈ 92°F °F

Lab Analyses

VOC ☒ SVOC ☐ Metals ☒ TAL Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates Y [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y [✓ N]

Comments

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number 258 273

Installation DPMT

Well Number 16

Site/Project

Sample ID Number MW16Z

Project Number 115603.03.ZF

Sample Start date 6/19/97 time 0830

Sampled by Baldino / Nguyen

Sample End date 6/19/97 time 0840

Original Static Water Level 56.75 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
	20.64	5.87	652		0.93	0.32
	21.23	5.92	603		0.88	0.29
	21.39	5.93	588		0.88	0.29

Are parameters 20% of purge values? [✓ Y] / N

Repurge? Y / [✓ N]

Number of repurge volumes 3

Sampling Method

Submersible Pump ☒ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☐ SS ☐ Tef ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other

Sampling Equipment (Make, Model, Etc.) Grundfos

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer: depth(s) where pump set ft BTOC

Weather °F

Lab Analyses

VOC ☒ SVOC ☒ Metals ☒ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments VOCs collected w/bailer

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number 258 274

Installation DDMT INSTALLATION

Well Number MW-19

Site/Project DDMT 2QT SAMPLING

Sample ID Number MW-192

Project Number 113630.03ZZ

Sample Start date 6/18/97 time 1200

Sampled by CRILEY/GAFORD

Sample End date 6/18/97 time 1210

Original Static Water Level 88.06 ft BTOC

Final Static Water Level ______ ft BTOC

Screen Interval ______ — ______ ft BTOC

REDX

Time	Temperature	pH	Conductivity	Turbidity	DO	~~Salinity~~
1144	19.56	6.20	150	HIGH	11.02	260
1141	WELL PURGED DRY					
	ALLOWED ≈ 15 MIN TO RECHARGE					
	SAMPLE COLLECTED					

N/A

Are parameters 20% of purge values? Y / N

Repurge? Y / N

Number of repurge volumes ______

Sampling Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☐ Tef ☒ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other ______

Sampling Equipment (Make, Model, Etc.) DISPOSABLE BAILER

Sampling Equipment Decontaminated ? Y / [✓ N]

If pump or discrete bailer, depth(s) where pump set ______ ft BTOC

Weather SUNNY 90°F °F

Lab Analyses

[✓ VOC] ☐ SVOC ☐ [✓ Metals] ☐ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other ______

Metals: Filtered ☐ [✓ Unfiltered] ☐ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments ______

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number

Installation DDMT INSTALLATION

Site/Project DDMT 2QT SAMPLING

Project Number 113630.03.ZZ

Sampled by C.R.IVERY/G.A.FORD

Well Number MW-20

Sample ID Number MW202

Sample Start date 6/18/97 time 1055

Sample End date 6/18/97 time

Original Static Water Level 85.28 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	REDOX ~~Salinity~~
1017	20.62	6.64	270	MED	8.79	223
1029	18.73	6.22	259	↓	10.39	258
1040	18.85	6.10	251		9.56	331
1049	18.79	6.11	256	MED	9.88	297

Are parameters 20% of purge values? [✓ Y] / N

Repurge? Y / N

Number of repurge volumes

Sampling Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☐ [✓ Tef] PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other

Sampling Equipment (Make, Model, Etc.) DISPOSABLE BAILER

Sampling Equipment Decontaminated ? Y / [✓ N]

If pump or discrete bailer: depth(s) where pump set ft BTOC

Weather SUNNY ~ 80°F °F

Lab Analyses

VOC ☒ SVOC ☒ Metals ☒ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments METAL SAMPLE SLIGHTLY/MED TURBID. LIGHT AMBER COLOR

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number 258 276

Installation DOMT

Site/Project OU-2 / 2nd GGWS 1997

Project Number 113603.03.22

Sampled by J Glasgow / J Emery

Well Number MW21

Sample ID Number MW212

Sample Start date 6-20-97 time

Sample End date time

Original Static Water Level 93.88 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	~~Turbidity~~ ORP	DO	Salinity
1435	19.13	5.95	215	136.1	5.57	0.10

Are parameters 20% of purge values? [✓ Y] N

Repurge? Y / [✓ N]

Number of repurge volumes

Sampling Method

[✓ Submersible Pump ☐] Dedicated Bladder Pump ☐ Bladder Pump ☐ [✓ Bailer ☐] SS ☐ [✓ Tef ☐] PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other

Sampling Equipment (Make, Model, Etc.) Grundfos (Hazco) 13433

Sampling Equipment Decontaminated ? [✓ Y] N

If pump or discrete bailer, depth(s) where pump set ft BTOC

Weather 85°F P Cloudy °F

Lab Analyses

[✓ VOC ☐] [✓ SVOC ☐] [✓ Metals ☐] Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other

Metals: Filtered ☐ [✓ Unfiltered ☐] Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number 258 277

Installation DDMT INSTALLATION

Site/Project DDMT 2QT SAMPLING

Project Number 113630.03.ZZ

Sampled by G.A.FORD / C.R.IVERY

Well Number MW-22

Sample ID Number MW222

Sample Start date 6/19/97 time 1235

Sample End date 6/19/97 time 1305

Original Static Water Level 96.85 ft BTOC

Final Static Water Level ______ ft BTOC

Screen Interval ______ — ______ ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	~~Salinity~~ Redox
1201	70.22	6.14	437	HED	13.71	248
1216	19.70	6.12	445	"	13.24	259
1224	18.82	6.07	454	"	13.36	274

Are parameters 20% of purge values? [✓ Y] N

Repurge? Y / [✓ N]

Number of repurge volumes ______

Sampling Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☐ Tef ☒ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other ______

Sampling Equipment (Make, Model, Etc.) DISPOSABLE 0.25GAL BAILER

Sampling Equipment Decontaminated ? Y / [✓ N]

If pump or discrete bailer: depth(s) where pump set ______ ft BTOC

Weather Sunny Hot 95°F °F

Lab Analyses

VOC ☒ SVOC ☒ TAL Metals ☒ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other ______

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments ______

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number 258 278

Installation DDMT

Well Number MW 23

Site/Project 3rd QGWS1997

Sample ID Number MG1232

Project Number 113603.03.22

Sample Start date 6-18-97 time

Sampled by J Glasgow \ J Emery

Sample End date time

Original Static Water Level 99.35 ft BTOC

Final Static Water Level ft BTOC

Screen Interval 102 — 112 ft BTOC

Time	Temperature	pH	Conductivity	~~Turbidity~~ ORP	DO	Salinity
15.35	20.61	6.36	294	135.6	5.09	0.14

Are parameters 20% of purge values? [✓ Y] N

Repurge? Y [✓ N]

Number of repurge volumes

Sampling Method

[✓ Submersible Pump] ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ [✓ Bailer] ☐ SS ☐ [✓ Tef] ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other

Sampling Equipment (Make, Model, Etc.) Grundfos Hazco 13433

Sampling Equipment Decontaminated ? [✓ Y] N

If pump or discrete bailer: depth(s) where pump set ft BTOC

Weather 85°F PCloudy °F

Lab Analyses

[✓ VOC] [✓ SVOC] [✓ Metals] Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other

Metals: Filtered ☐ [✓ Unfiltered] Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number ____

Installation PDMT

Well Number 24

Site/Project ____

Sample ID Number MW242

Project Number 113603.05.ZZ

Sample Start date 6/19/97 time 0950

Sampled by Baldino/ Nguyen

Sample End date 6/19/97 time 1010

Original Static Water Level 106.95 ft BTOC

Final Static Water Level ____ ft BTOC

Screen Interval ____ — ____ ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
	20.1	5.91	217		6.84	0.10
	19.5	5.72	218		9.10	0.10
	19.6	5.76	217		7.09	0.10

Are parameters 20% of purge values? [✓ Y] N

Repurge? Y / [✓ N]

Number of repurge volumes 3

Sampling Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☐ Teflon ☒ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other ____

Sampling Equipment (Make, Model, Etc.) Bailer

Sampling Equipment Decontaminated ? Y / [✓ N]

If pump or discrete bailer: depth(s) where pump set ____ ft BTOC

Weather Sunny

Lab Analyses

VOC ☒ SVOC ☒ Metals ☒ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other ____

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD [✓ Y] / N

Comments ____

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number ____

Installation DDMT INSTALLATION

Site/Project DDMT 2QT SAMPLING

Project Number 113630.03.ZZ

Sampled by C.R. ZUERY / G.A. FORD

Well Number MW-25

Sample ID Number MW252

Sample Start date 6/19/97 time 1605

Sample End date 6/19/97 time 1615

Original Static Water Level 72.23 ft BTOC

Final Static Water Level ____ ft BTOC

Screen Interval ____ – ____ ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Redox ~~Salinity~~
1521	18.95	6.99	236	MED	11.12	303
1527	19.23	6.38	225	"	11.55	296
1534	19.15	6.49	214	MED	12.33	279

Are parameters 20% of purge values? [✓ Y] N

Repurge? Y / [✓ N]

Number of repurge volumes ____

Sampling Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☐ Tef ☒ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other ____

Sampling Equipment (Make, Model, Etc.) DISPOSABLE 0.75 GAL BAILER

Sampling Equipment Decontaminated? Y / [✓ N]

If pump or discrete bailer: depth(s) where pump set ____ ft BTOC

Weather ____ °F

Lab Analyses

[✓ VOC] ☐ [✓ SVOC] ☐ [✓ TAL Metals] ☐ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other ____

Metals: Filtered ☐ [✓ Unfiltered] ☐ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments ____

BTOC = Below Top of Casing (or other measurement reference point)

258 281

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number

Installation DPMS

Well Number 26

Site/Project

Sample ID Number MW 26 Z

Project Number 113603.03.ZZ

Sample Start date 6/20/97 time 1420

Sampled by Baldino/Nguyen

Sample End date 6/20/97 time 1425

Original Static Water Level 100.02 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity

Are parameters 20% of purge values? Y / N

Repurge? Y / N

Number of repurge volumes

3 volumes total

Sampling Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☐ Tef ☒ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other

Sampling Equipment (Make, Model, Etc.) Bailer

Sampling Equipment Decontaminated ? Y / [✓ N]

If pump or discrete bailer: depth(s) where pump set ft BTOC

Weather Sunny °F

Lab Analyses

VOC ☒ SVOC ☐ Metals ☒ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments YSI not working.

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number 258 282

Installation DDMT 2QT.

Well Number MW-28

Site/Project DUNN Field.

Sample ID Number MW-282

Project Number

Sample Start date 6-17-97 time 1545

Sampled by G. FORD, C. Ivery

Sample End date 6-17-97 time 1554

Original Static Water Level 55.54 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1453	19.42	5.67	230	HIGH	8.10	N/A
1500	18.57	5.69	213	"	8.58	/
1506	18.55	5.72	207	HIGH	8.84	N/A

Are parameters 20% of purge values? [✓ Y] N

Repurge? Y / [✓ N]

Number of repurge volumes 3

Sampling Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☐ Tef ☒ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other

Sampling Equipment (Make, Model, Etc.) Disposable Teflon® Bailer.

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer: depth(s) where pump set N/A ft BTOC

Weather P.Cloudy ± 80°F Light Breeze.

Lab Analyses

VOC ☐ SVOC ☒ Metals ☒ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / N

MS/MSD Y / N

Comments TURBID METAL SAMPLE

BTOC = Below Top of Casing (or other measurement reference point)

CH2MHILL MONITORING WELL SAMPLING LOG

Form Number 258 283

Installation DDMT

Well Number MW-29

Site/Project 2nd QT G.W. Dunn Field

Sample ID Number MW-292

Project Number 113603.03.ZZ

Sample Start date 6-20-97 time 1710 ~~1559~~ ~~45~~ 1600

Sampled by C. Ivery, G. Ford

Sample End date 6-20-97 time 1720

Original Static Water Level 35.31 ft BTOC

Final Static Water Level ______ ft BTOC

Screen Interval ______ – ______ ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Redox Salinity
1630	18.20	5.89	380	N/A	6.12	342
1642	15.00	5.56	376	/	4.75	384
1655	17.99	5.42	375	/	4.64	395

Are parameters 20% of purge values? [✓ Y] / N

Repurge? Y / [✓ N]

Number of repurge volumes ______

Sampling Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☐ Tef ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other ______

Sampling Equipment (Make, Model, Etc.) Disposable Teflon®

Sampling Equipment Decontaminated ? Y / [✓ N]

If pump or discrete bailer: depth(s) where pump set N/A ft BTOC

Weather P. Cloudy, Light Breeze, ≈ 92 °F

Lab Analyses

VOC ☑ SVOC ☑ Metals ☑ T&L Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other ______

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments ______

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number

Installation DDMT

Well Number 50

Site/Project

Sample ID Number MW302

Project Number 115603.03.22

Sample Start date 6/19/97 time 1515

Sampled by Baldino / Nguyen

Sample End date 6/19/97 time 1545

Original Static Water Level 47.34 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
	18.54	6.12	423		4.23	.21
	18.58	6.06	400		4.15	.20
	18.80	5.98	372		3.94	.18
	19.00	5.97	355		3.85	.17
	18.96	5.94	365		3.86	.18
	18.92	5.93	416		3.86	.22

Are parameters 20% of purge values? Y / N

Repurge? [✓ Y] / N

Number of repurge volumes 2

5 total purge volumes.

Sampling Method

Submersible Pump ☒ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☐ SS ☐ Tef ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other

Sampling Equipment (Make, Model, Etc.) Grundfos pump

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer; depth(s) where pump set 50 ft ft BTOC

Weather Sunny

Lab Analyses

VOC ☒ SVOC ☒ Metals ☒ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates Y / [✓ N]

Split Sample [✓ Y] / N

MS/MSD Y / [✓ N]

Comments Split w/ state of Tennessee. VOCs taken w/ bailer

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number 258 285

Installation PDMT

Well Number 31

Site/Project

Sample ID Number MW31Z

Project Number 115603.03.ZZ

Sample Start date 6/10/97 time 1530

Sampled by Baldino / Nguyen

Sample End date 6/10/97 time 1535

Original Static Water Level 64.18 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity

Are parameters 20% of purge values? Y / N

Repurge? Y / N

Number of repurge volumes

3 Total Volumes

Sampling Method

Submersible Pump ☒ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☐ SS ☐ Tef ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other

Sampling Equipment (Make, Model, Etc.) Grundfos

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer: depth(s) where pump set — ft BTOC

Weather Sunny - Hot °F

Lab Analyses

VOC ☒ SVOC ☒ Metals ☒ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments YSI Not functioning. VOCs collected w/ bailer

BTOC - Below Top of Casing (or other measurement reference point)

258 286

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number

Installation DDMT

Well Number 32

Site/Project

Sample ID Number MW322

Project Number 113603.03.ZS

Sample Start date 6/21/97 time 1210

Sampled by Baldino/Nguyen

Sample End date 6/21/97 time 1220

Original Static Water Level 58.96 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity

Are parameters 20% of purge values? Y / N

Repurge? Y / N

Number of repurge volumes

3 well volumes

Sampling Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☐ Tef ☒ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other

Sampling Equipment (Make, Model, Etc.) Bailer

Sampling Equipment Decontaminated ? Y [✓ N]

If pump or discrete bailer: depth(s) where pump set ft BTOC

Weather Sunny

Lab Analyses

VOC ☒ SVOC ☐ Metals ☒ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other TOC, SO_4, NO_3/NO_2, Cl, NH_4, Fe, HCO_3, F, TDS, Hardness, Tritium

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates Y [✓ N]

Split Sample Y [✓ N]

MS/MSD Y [✓ N]

Comments YSI Not working

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

258 287
Form Number

Installation DDMT

Well Number MW33

Site/Project Offsite / 2nd QGWS 1997

Sample ID Number MW332

Project Number 113603.03.22

Sample Start date 6-18-97 time

Sampled by J Glosgan / J Emz

Sample End date time

Original Static Water Level 48.17 ft BTOC

Final Static Water Level ft BTOC

Screen Interval 49 – 59 ft BTOC

Time	Temperature	pH	Conductivity	~~Turbidity~~ ORP	DO	Salinity
1410	18.75	5.63	178.	100	7.49	0.08

Are parameters 20% of purge values? [✓ Y] / N

Repurge? Y / [✓ N]

Number of repurge volumes

Sampling Method

[✓ Submersible Pump ☐] Dedicated ☐ Bladder Pump ☐ Bladder ☐ Pump ☐ [✓ Bailer ☐ ☐] SS ☐ [✓ Tef ☐] PVC ☐ Centrifugal ☐ Pump ☐ Peristaltic ☐ Pump ☐ Hand ☐ Pump ☐ Gas Lift/ ☐ Displacement ☐ Pump Other

Sampling Equipment (Make, Model, Etc.) Grundfos Hccu 13433

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer: depth(s) where pump set ft BTOC

Weather 80°F P Cloudy

Lab Analyses

[✓ VOC ☐] SVOC ☐ [✓ Metals ☐] Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other

Metals: Filtered ☐ [✓ Unfiltered ☐] Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number 258 288

Installation PDMT

Well Number MW-54

Site/Project

Sample ID Number MW542

Project Number 115605.07.EE

Sample Start date 6/19/97 time 1530

Sampled by Baldino / Nguyen

Sample End date 6/19/97 time 1600

Original Static Water Level 137.78 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH.	Conductivity	Turbidity	DO	Salinity
	19.99				5.08	0.04
	21.80	5.88	176		5.18	0.05
	21.15	5.79	175		5.07	0.06
	20.96	5.74	175		5.03	0.04

Are parameters 20% of purge values? [✓ Y] / N

Repurge? Y / [✓ N]

Number of repurge volumes 4

Tubing brake - restart purge at 2 volumes.

Sampling Method

Submersible Pump ☒ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☐ SS ☐ Tef ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other

Sampling Equipment (Make, Model, Etc.) Grundfos

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer, depth(s) where pump set ft BTOC

Weather Sunny - Hot °F

Lab Analyses

VOC ☒ SVOC ☒ Metals ☒ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates [✓ Y] / N

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments VOCs collected w/ bailer

BTOC = Below Top of Casing (or other measurement reference point)

258 289

HILL MONITORING WELL SAMPLING

Form No. ______

Installation DDMT

Site/Project OU-1 / 2nd GGWS 1997

Project Number 113630.03.ZZ

Sampled by J Glasgow J Emory

Well Number MW 35

Sample ID Number MW35D

Sample Start date 6-21-97 time ______

Sample End date ______ time ______

Original Static Water Level 70.13 ft BTOC

Final Static Water Level ______

Screen Interval ______ — ______ ft BTOC

Time	Temperature	pH	Conductivity	~~Turbidity~~ ORP	DO	Salinity
1110	19.32	5.43	226	1622	5.48	0.11

Are parameters 20% of purge values? [illegible]

Repurge? Y / [✓ N]

Number of repurge volumes ______

Sampling Method

[✓ Submersible Pump] ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ [✓ Bailer] ☐ SS ☐ [✓ Tef] ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Disposable [illegible] ☐ Other ______

Sampling Equipment (Make, Model, Etc.) GrundFos (Hacco) 13433

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer: depth(s) where pump set ______ ft BTOC

Weather ______ °F

Lab Analyses

[✓ VOC] ☐ [✓ SVOC] ☐ [✓ Metals] ☐ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other ______

Metals: Filtered ☐ [✓ Unfiltered] ☐ Both ☐

Field Duplicates [✓ Y] / N

Split Sample Y / N

All analyses

MS/MSD [✓ Y] / N

Comments ______

BTOC = Below Top of Casing (or other measurement reference point)

258 290

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number ______

Installation DDMT

Site/Project Dunn Field / 2nd Q GWS 1997

Project Number 113603.03.22

Sampled by J. Y. Vasquez

Well Number MW36

Sample ID Number MW362

Sample Start date 6-19-97 time ______

Sample End date ______ time ______

Original Static Water Level 153.33 ft BTOC

Final Static Water Level ______ ft BTOC

Screen Interval ______ — ______ ft BTOC

Time	Temperature	pH	Conductivity	~~Turbidity~~ ORP	DO	Salinity
1200	18.80	7.51	185	~~[illegible]~~ 114.1	4.09	0.09

Are parameters 20% of purge values? [✓ Y] N

Repurge? Y / [✓ N]

Number of repurge volumes ______

Sampling Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ [✓ Bailer ☐] SS ☐ [✓ Tef ☐] PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other ______

Sampling Equipment (Make, Model, Etc.) ______

Sampling Equipment Decontaminated? [✓ Y] / N

If pump or discrete bailer: depth(s) where pump set ______ ft BTOC

Weather 80°F P Cloudy °F

Lab Analyses

[✓ VOC ☐] [✓ SVOC ☐] [✓ Metals ☐] Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other TS, Fe, SO4, Cl, ~~[illegible]~~ Metals Dup Tritium

Metals: Filtered ☐ [✓ Unfiltered ☐] Both ☐

Field Duplicates [✓ Y] / N — Metals → MW362DUP

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments ______

BTOC = Below Top of Casing (or other measurement reference point)

258 291

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number

Installation DDMT

Well Number 37

Site/Project

Sample ID Number MW372

Project Number 115603.03.77

Sample Start date 6/18/97 time 1400

Sampled by Baldino/Nguyen

Sample End date 6/18/97 time 1440

Original Static Water Level 127.42 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
	17.62	6.65	151		6.10	0.13
	17.59	6.72	194		4.04	0.1
	17.44	6.64	519		4.97	0.17
	17.13	6.60	348		4.75	0.17

Are parameters 20% of purge values? Y / N

Repurge? Y / N

Number of repurge volumes

Total purge = 3 volume

Sampling Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☐ Tef ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other

Sampling Equipment (Make, Model, Etc.) Bailer

Sampling Equipment Decontaminated ? Y / [✓ N]

If pump or discrete bailer: depth(s) where pump set ft BTOC

Weather Sunny

Lab Analyses

VOC ☒ SVOC ☒ Metals ☒ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other

Metals: Filtered ☐ Unfiltered ☐ Both ☐

Field Duplicates Y / [✓ N]

Split Sample [✓ Y] / N

MS/MSD Y / [✓ N]

Comments Split w/state

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

258 292
Form Number

Installation DDMT INSTALLATION
Site/Project DDMT 2QT SAMPLING
Project Number 113630.03.ZZ
Sampled by C.A. IVEY / G.A. FORD

Well Number MW-38
Sample ID Number MW382
Sample Start date 19JUN97 time 1015
Sample End date 19JUN97 time 1105

Original Static Water Level 133.22 ft BTOC
Final Static Water Level ______ ft BTOC

Screen Interval ______ — ______ ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	REDOX ~~Salinity~~
0957	20.87	6.18	244	LIGHT	9.69	200
0925	18.90	6.22	230	↓	12.80	199
0943	18.09	6.24	232	↓	11.76	212

Are parameters 20% of purge values? Y / N

Repurge? Y / N

Number of repurge volumes ______

Sampling Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☐ [✓ Tef ☐] PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other ______

Sampling Equipment (Make, Model, Etc.) DISPOSABLE BAILER

Sampling Equipment Decontaminated ? Y / [✓ N]

If pump or discrete bailer, depth(s) where pump set ______ ft BTOC

Weather SUNNY + HOT ≅ 90°F °F

Lab Analyses

[✓ VOC] ☐ [✓ SVOC] ☐ TAL [✓ Metals] ☐ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other TOC, SO4, NO3/NO2, Cl, NH4 + Fe

Metals: Filtered ☐ Unfiltered ☐ Both ☐

Field Duplicates [✓ Y] / N TAL METALS ONLY

Split Sample Y / [✓ N]

MS/MSD [✓ Y] / N TAL METALS ONLY

Comments ______

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

258 293
Form Number

Installation DDMT
Site/Project Bldg 770/ 2nd GWS 1997
Project Number 113603.03.22
Sampled by J. Marzano/ J Emery

Well Number MW 39
Sample ID Number MW392
Sample Start date 6-20-97 time 1010
Sample End date 6-20-97 time 1610

Original Static Water Level ______ ft BTOC
Final Static Water Level ______ ft BTOC

Screen Interval ______ — ______ ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
Not	Enough		Water	for Parameters		

Are parameters 20% of purge values? [✓ Y] / N
Repurge? Y / [✓ N]
Number of repurge volumes ______

Sampling Method

[✓ Submersible Pump] — Dedicated Bladder Pump — Bladder Pump — [✓ Bailer] — SS — [✓ Tef] — PVC — Centrifugal Pump — Peristaltic Pump — Hand Pump — Gas Lift/ Displacement Pump — Other ______

Sampling Equipment (Make, Model, Etc.) Grundfos (Hazco) 13433

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer: depth(s) where pump set ______ ft BTOC

Weather 70°F PCloudy °F

Lab Analyses

[✓ VOC] [✓ SVOC] [✓ Metals] Pesticides/PCBs — Herbicides — TPH — Dioxin/Furans —

Other ______

Metals: Filtered — [✓ Unfiltered] — Both —

Field Duplicates [✓ Y] / N — Metals → Duplicate

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments ______

BTOC - Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number 258 294

Installation DDMT

Site/Project offsite / 2nd QGWS 1997

Project Number 113603.03.ZZ

Sampled by J Morgan \ J Emery

Well Number MW 40

Sample ID Number

Sample Start date 6-19-97 time

Sample End date time

Original Static Water Level 78.79 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	~~Turbidity~~ ORP	DO	Salinity
1610	20.10	6.23	785	172	2.70	0.38

Are parameters 20% of purge values? [✓ Y] N

Repurge? Y [✓ N]

Number of repurge volumes

Sampling Method

[✓ Submersible Pump ☐ ☐] Dedicated Bladder Pump ☐ ☐ Bladder Pump ☐ ☐ [✓ Bailer ☐ ☐] SS ☐ [✓ Tef ☐] PVC ☐ Centrifugal Pump ☐ ☐ Peristaltic Pump ☐ ☐ Hand Pump ☐ ☐ Gas Lift/Displacement Pump ☐ ☐ Other

Sampling Equipment (Make, Model, Etc.) Grundfos (Hazco) 13423

Sampling Equipment Decontaminated ? [✓ Y] N

If pump or discrete bailer; depth(s) where pump set ft BTOC

Weather 90°F PCloudy °F

Lab Analyses

[✓ VOC ☐] SVOC ☐ Metals ☐ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other

Metals: Filtered ☐ Unfiltered ☐ Both ☐

Field Duplicates Y / N

Split Sample Y / N

MS/MSD Y / N

Comments

BTOC = Below Top of Casing (or other measurement reference point)

258 295

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number ______

Installation DDMT

Site/Project OffSite / 2nd QGWS 1997

Project Number 113603.03.22

Sampled by J Harper / J Emory

Well Number MW-41

Sample ID Number MW412

Sample Start date 6-17-97 time 1550

Sample End date ______ time ______

Original Static Water Level 64.96 ft BTOC

Final Static Water Level ______ ft BTOC

Screen Interval 57 — 67 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity

Are parameters 20% of purge values? [✓ Y] N

Repurge? Y / [✓ N]

Number of repurge volumes ______

Not Enough water for purge

Sampling Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ [✓ Bailer ☐ ☐] SS ☐ [✓ Tef ☐] PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other ______

Sampling Equipment (Make, Model, Etc.) GrundFOS Pump Hazco 13433

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer: depth(s) where pump set 67 ft BTOC

Weather 80°F PCloudy Humid °F

Lab Analyses

[✓ VOC ☐] SVOC ☐ [✓ Metals ☐] Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other ______

Metals: Filtered ☐ [✓ Unfiltered ☐] Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments ______

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

258 296

Form Number

Installation OFFSITE WELL

Well Number MW-42

Site/Project DDMT 2QT SAMPLING

Sample ID Number MW422

Project Number 113630.03.ZZ

Sample Start date 6/21/97 time

Sampled by GA FOLD / C.R. IVERY

Sample End date 6/21/97 time

Original Static Water Level 53.67 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	~~Salinity~~ Redox
1335	19.92	5.76	230	LIGHT	4.01	251
1338	18.83	5.82	230	LIGHT	3.57	233
1339	WELL PURGED DRY. SAMPLE TO FOLLOW AFTER					
	WELL RECHARGE					

Are parameters 20% of purge values? [✓ Y] N

Repurge? Y / [✓ N]

Number of repurge volumes

Sampling Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☐ SS ☐ Tef ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other

Sampling Equipment (Make, Model, Etc) 0.25 GALLON DISPOSABLE BAILER

Sampling Equipment Decontaminated ? Y / [✓ N]

If pump or discrete bailer; depth(s) where pump set ft BTOC

Weather °F

Lab Analyses

VOC ☒ SVOC ☐ Metals ☐ Zn PPm Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other

Metals: Filtered ☐ [✓ Unfiltered ☐] Both ☐

Field Duplicates Y / N

Split Sample Y / N

MS/MSD Y / N

Comments

BTOC = Below Top of Casing (or other measurement reference point)

[illegible] MONITORING WELL [illegible]

258 297

Installation DDMT

Site/Project Offsite / 2nd GGWS 1997

Project Number 113603.03.22

Sampled by J Alana / [illegible] Snory

Well Number MW44

Sample ID Number MW442

Sample Start Date 6-20-97

Sample End Date

Original Static Water Level 49.24 ft BTOC

Final Static Water Level

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	~~Turbidity~~ ORP	DO	Salinity
1120	18.16	5.94	281	140.2	7.31	0.13

Are parameters stable? 0

Required? 0

Number of

Sampling Method

[✓ Submersible Pump ☐] Dedicated Bladder Pump ☐ Bladder Pump ☐ [✓ Bailer ☐] SS ☐ [✓ Tef ☐] PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐

Sampling Equipment (Make, Model, Etc.) Grundfos (Hacco) 13433

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer, depth(s) where pump set ft BTOC

Weather 80°F P Cloudy

Analyses

[✓ VOC ☐] [✓ SVOC ☐] [✓ Metals ☐] Pesticides ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other

Metals: Filtered ☐ [✓ Unfiltered ☐] Both ☐

Field Duplicates [✓ Y] / N -040CL

Split Sample Y / [✓ N]

MS/MSD [✓ Y] / N VOCs

Comments

CH2M HILL MONITORING WE[illegible]

Installation ODMT

Site/Project Offsite / 2nd QGWS 1997

Project Number 113603.03.22

Sampled by J Slocum / J Emery

Well Number MW45

Sample ID Number MW452

Sample Start Date 6-20-97

Sample End

Original Static Water Level 68.18 ft BTOC

Final Static Water Level

Screen Interval _____ — _____ ft BTOC

Time	Temperature	pH	Conductivity	ORP ~~Turbidity~~	DO	Salinity
1305	19.93	6.08	337	141.5	2.76	0.16

Are parameters 20% [illegible]? [✓ Y]

Repurge? Y / [✓ N]

Number of repurge volumes

Sampling Method

[✓ Submersible Pump] Dedicated Bladder Pump ☐ Bladder Pump ☐ [✓ Bailer] SS ☐ [✓ Tef] PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ [illegible] Pump ☐

Sampling Equipment (Make, Model, Etc.) Grundfos (Hazco) 13433

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer: depth(s) where pump set _____ ft BTOC

Weather 85°F Cloudy

Lab Analyses

[✓ VOC] [✓ SVOC] [✓ Metals] Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other

Metals: Filtered ☐ [✓ Unfiltered] Both ☐

Field Duplicates [✓ Y] / N — VOCs

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments

BTOC - Below Top of [illegible] (at Mark/Notch for reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

258 299
Form Number

Installation DunFIELD
Site/Project DDMT-2QT SAMPLING
Project Number 113630.03.ZZ
Sampled by CR Ivery / G.A.Ford

Well Number MW-46
Sample ID Number MW462
Sample Start date 6/17/97 time 1340
Sample End date 6/17/97 time 1410

Original Static Water Level 5010 ft BTOC
Final Static Water Level ______ ft BTOC

Screen Interval ______ – ______ ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1253	19.70	5.85	204		7.60	N/A
1306	18.55	5.86	217		7.37	/
1324	18.37	5.74	253		7.27	/
1334	18.37	5.73	267		6.70	N/A

Are parameters 20% of purge values? [✓ Y] / N
Repurge? Y / [✓ N]
Number of repurge volumes 4

Sampling Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ [✓ Bailer] ☐ SS ☐ [✓ Teflon] ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other ______

Sampling Equipment (Make, Model, Etc.) DISPOSABLE BAILER TEFLON®

Sampling Equipment Decontaminated? Y / [✓ N]

If pump or discrete bailer: depth(s) where pump set 50. ft BTOC

Weather P.cloudy & 78°F Light Breeze. °F

Lab Analyses

[✓ VOC] ☐ [✓ SVOC] ☐ [✓ Metals] ☐ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other ______

Metals: Filtered ☐ [✓ Unfiltered] ☐ Both ☐

Field Duplicates Y / N

Split Sample [✓ Y] / N SPLIT W/ STATE OF TENN.

MS/MSD Y / [✓ N]

Comments Light Turb. Light Amber color, No Sheen.

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

258 300
Form Number

Installation DAMT

Well Number 47

Site/Project

Sample ID Number MW47C

Project Number 113603.03.ZE

Sample Start date 6/22/97 time 1120

Sampled by Balolino/Emery/Ivery

Sample End date 6/22/97 time 1125

Original Static Water Level 102.13 ft BTOC

Final Static Water Level ft BTOC

Screen interval — ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
	19.7	5.76	152		7.14	
	19.97	5.55	324		5.53	
	19.35	5.90	353		5.57	
	19.40	5.89	357		5.50	

Are parameters 20% of purge values? [✓ Y] N

Repurge? [✓ Y] / N

Number of repurge volumes 0.5

Sampling Method

Submersible Pump ☒ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☐ SS ☐ Tef ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other

Sampling Equipment (Make, Model, Etc.) Grundfos

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer; depth(s) where pump set ft BTOC

Weather Sunny

Lab Analyses

VOC ☒ SVOC ☒ Metals ☒ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments VOCs sampled w/Bailer

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

258 301
Form Number

Installation DDMT

Well Number MW48

Site/Project Offsite / 2nd QGWS 1997

Sample ID Number MW482

Project Number 13B03,03.22

Sample Start date 6-18-97 time

Sampled by J Glasgow / J Emz

Sample End date time

Original Static Water Level 79.45 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	~~Turbidity~~ ORP	DO	Salinity
1210	19.38	6.02	250	129.2	7.34	0.12

Are parameters 20% of purge values? [✓ Y] N

Repurge? Y / [✓ N]

Number of repurge volumes

Sampling Method

[✓ Submersible Pump] ☐

Dedicated Bladder Pump ☐

Bladder Pump ☐

[✓ Bailer] ☐ SS ☐ Tel ☐ PVC ☐

Centrifugal Pump ☐

Peristaltic Pump ☐

Hand Pump ☐

Gas Lift/ Displacement Pump ☐

Other

Sampling Equipment (Make, Model, Etc.)

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer: depth(s) where pump set ft BTOC

Weather 75°F P Cloudy °F

Lab Analyses

[✓ VOC] ☐ [✓ SVOC] ☐ [✓ Metals] ☐ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other

Metals: Filtered ☐ [✓ Unfiltered] ☐ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y [✓ N]

MS/MSD Y / [✓ N]

Comments

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

258 302
Form Number

Installation DDMT

Site/Project OU-1 / 2nd QGWS

Project Number 113603.03-27

Sampled by

Well Number MW-49

Sample ID Number MW492

Sample Start date 6-17-97 time 1712

Sample End date time

Original Static Water Level 76.10 ft BTOC

Final Static Water Level ft BTOC

Screen Interval 66 - 76 ft BTOC

Time	Temperature	pH	Conductivity	~~Turbidity~~ ORP	DO	Salinity
1712	19.6	5.70	199	161	5.88	0.09

Are parameters 20% of purge values? [✓ Y] N

Repurge? Y / [✓ N]

Number of repurge volumes

Sampling Method

[✓ Submersible Pump ☐] Dedicated Bladder Pump ☐ Bladder Pump ☐ [✓ Bailer ☐ SS ☐ Tefl ☐] PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other

Sampling Equipment (Make, Model, Etc.) Grundfos Hazco 13433

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer: depth(s) where pump set 71 ft BTOC

Weather 80 °F PCldy °F

Lab Analyses

[✓ VOC ☐] [✓ SVOC ☐] [✓ Metals ☐] Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other

Metals: Filtered ☐ [✓ Unfiltered ☐] Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number

Installation DPMT

Well Number 50

Site/Project

Sample ID Number MW502

Project Number 113603.03.ZZ

Sample Start date 6/19/97 time 1130

Sampled by Baldwin/Nguyen

Sample End date 6/19/97 time 1145

Original Static Water Level 85.60 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
	19.41	5.90	557		3.64	.26
	19.31	5.73	627		2.65	.30
	19.24	5.64	697		2.16	.34
	19.24	5.62	721		1.93	.35
	19.24	5.57	735		1.92	.36

Are parameters 20% of purge values? [✓ Y] N

Repurge? [✓ Y] N

Number of repurge volumes 1

Sampling Method

Submersible Pump ☒ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☐ SS ☐ Tef ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other

Sampling Equipment (Make, Model, Etc.) Grundfos

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer: depth(s) where pump set ft BTOC

Weather Sunny °F

Lab Analyses

VOC ☒ SVOC ☒ Metals ☒ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments VOCs Collected w/bailer

BTOC = Below Top of Casing (or other measurement reference point)

258 304

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number ____

Installation DAMT

Well Number 51

Site/Project ____

Sample ID Number MW 512

Project Number 113605.03.77

Sample Start date 6/20/97 time 0900

Sampled by Baldino / Nguyen

Sample End date 6/20/97 time 0915

Original Static Water Level 36.70 ft BTOC

Final Static Water Level ____ ft BTOC

Screen Interval ____ — ____ ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
	18.4	5.76	286		7.65	.14
	18.41	5.64	281		6.65	.15
	18.43	5.62	279		5.82	.15
	18.42	5.67	278		5.62	.15
						.15

Are parameters 20% of purge values? [✓ Y] / N

Repurge? [✓ Y] / N

Number of repurge volumes 0.5

Sampling Method

Submersible Pump ☑ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☐ SS ☐ Tef ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other ____

Sampling Equipment (Make, Model, Etc.) Grundfos

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer: depth(s) where pump set ____ ft BTOC

Weather Sunny °F

Lab Analyses

VOC ☑ SVOC ☑ Metals ☑ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other ____

Metals: Filtered ☐ Unfiltered ☑ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments VOCs Collected w/bailer

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

258 305
Form Number

Installation DDMT

Well Number 52

Site/Project

Sample ID Number MW522

Project Number 113603.03.FE

Sample Start date 6/18/97 time 1620

Sampled by Baldino/Nguyen

Sample End date 6/18/97 time 1640

Original Static Water Level 90.37 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
	18.01	5.91	989		3.76	0.44
	18.69	5.71	989		3.22	0.44
	18.58	5.66	945		3.05	0.44
	18.59	5.63	895		3.02	0.44

Are parameters 20% of purge values? Y / N

Repurge? Y / [✓ N]

Number of repurge volumes 0.5

Sampling Method

Submersible Pump ☒ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☐ SS ☐ Tef ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other

Sampling Equipment (Make, Model, Etc.) Grundfos

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer: depth(s) where pump set ft BTOC

Weather Sunny

Lab Analyses

VOC ☒ SVOC ☒ Metals ☒ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments VOCs taken w/bailer

BTOC = Below Top of Casing (or other measurement reference point)

258 306

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number ______

Installation DDMT

Well Number MW53

Site/Project Offsite / 2nd QGWS 1997

Sample ID Number MW532

Project Number 113603.03.ZZ

Sample Start date 6-19-97 time ______

Sampled by J Gaspar / J Emory

Sample End date ______ time ______

Original Static Water Level 72.75 ft BTOC

Final Static Water Level ✓ ft BTOC

Screen Interval ______ — ______ ft BTOC

Time	Temperature	pH	Conductivity	~~Turbidity~~ ORP	DO	Salinity
1435 1425	20.32	5.95	454	96.6	1.37	0.22

Are parameters 20% of purge values? [✓ Y] N

Repurge? Y / [✓ N]

Number of repurge volumes ______

Sampling Method

[✓ Submersible Pump] ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ [✓ Bailer] ☐ SS ☐ Tef ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other ______

Sampling Equipment (Make, Model, Etc.) Grundfos 13433 (Hazco)

Sampling Equipment Decontaminated ? [✓ Y] N

If pump or discrete bailer; depth(s) where pump set ______ ft BTOC

Weather 85°F PCloudy °F

Lab Analyses

[✓ VOC] ☐ [✓ SVOC] ☐ [✓ Metals] ☐ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other ______

Metals: Filtered ☐ [✓ Unfiltered] ☐ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments ______

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number 258 307

Installation DPMT

Site/Project

Project Number 113603.03.ZZ

Sampled by Baldino / Nguyen

Well Number 54

Sample ID Number MW542

Sample Start date 6/20/94 time 1125

Sample End date 6/20/94 time 1130

Original Static Water Level 79.44 ft BTOC

Final Static Water Level ____ ft BTOC

Screen Interval ____ — ____ ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity

Are parameters 20% of purge values? Y / N

Repurge? Y / N

Number of repurge volumes ____

Total volumes = 3

Sampling Method

Submersible Pump ☒ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☐ SS ☐ Tef ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other ____

Sampling Equipment (Make, Model, Etc.) Grundfos

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer: depth(s) where pump set ____ ft BTOC

Weather Sunny °F

Lab Analyses

VOC ☒ SVOC ☒ Metals ☒ Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other ____

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments YSI Not working. VOCs Collected w/ bailer

BTOC = Below Top of Casing (or other measurement reference point)

CH2M HILL MONITORING WELL SAMPLING LOG

258 308

Form Number ____________

Installation DDMT

Site/Project 2nd QGWS 1997

Project Number 113603.03.22

Sampled by J Dwyer / J Emry

Well Number MW55

Sample ID Number MW552

Sample Start date 6-18-97 time ____

Sample End date ____ time ____

Original Static Water Level 69.28 ft BTOC

Final Static Water Level ____________ ft BTOC

Screen Interval ________ — ________ ft BTOC

Time	Temperature	pH	Conductivity	~~Turbidity~~ ORP	DO	Salinity
0940	21.08	5.76	185	120	7.28	0.09

Are parameters 20% of purge values? [✓ Y] / N

Repurge? Y / [✓ N]

Number of repurge volumes ____________

Sampling Method

[✓ Submersible Pump] Dedicated Bladder Pump ☐ Bladder Pump ☐ [✓ Bailer] SS ☐ [✓ Tef ☐] PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other ____

Sampling Equipment (Make, Model, Etc.) Grundfos Hacco 13933

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer: depth(s) where pump set ________ ft BTOC

Weather 70°F Cloudy °F

Lab Analyses

[✓ VOC] [✓ SVOC] [✓ Metals] TAL Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐

Other Tritium, Hardness, WC

Metals: Filtered ☐ [✓ Unfiltered] Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

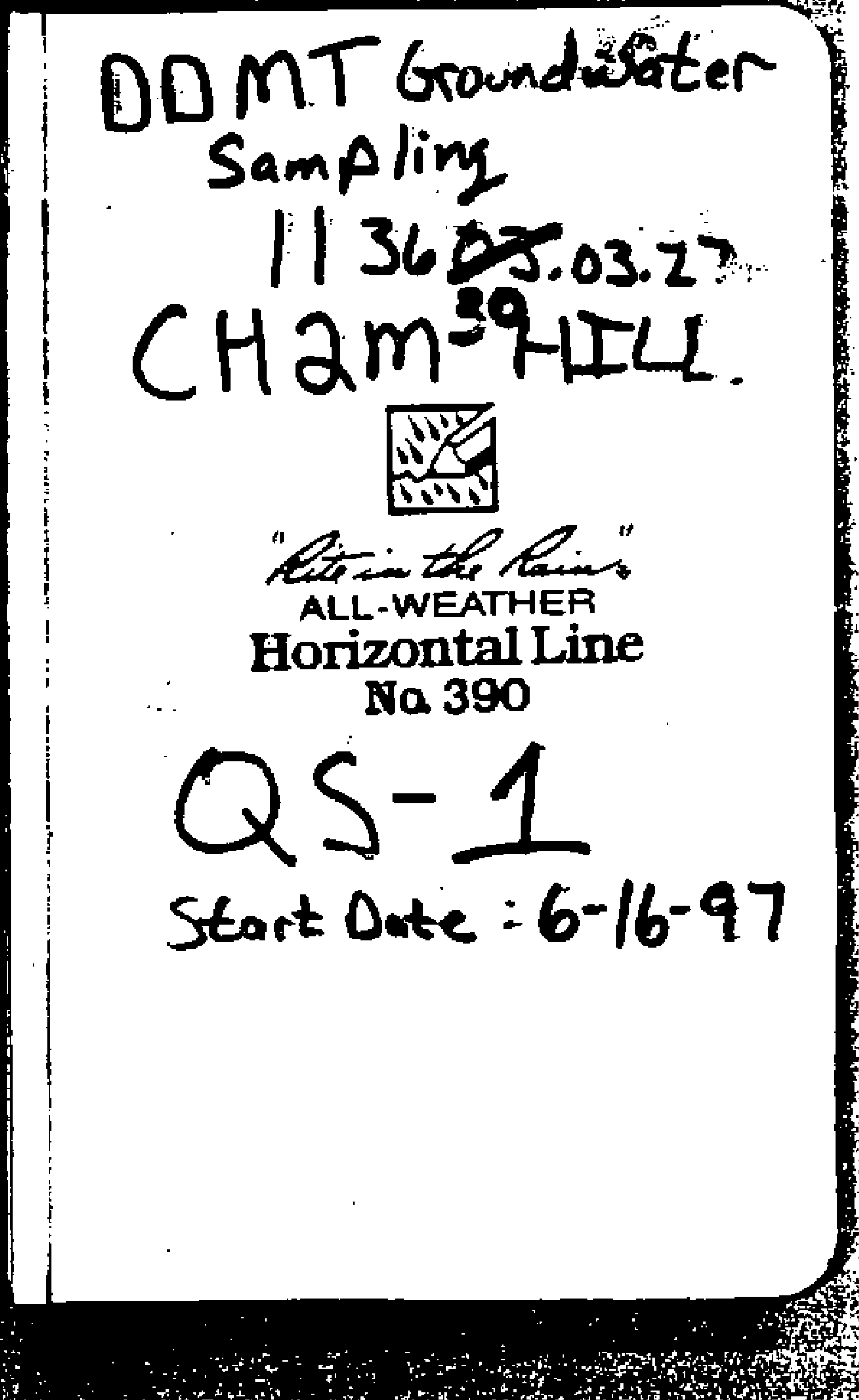
MS/MSD Y / [✓ N]

Comments ____________

BTOC = Below Top of Casing (or other measurement reference point)

Appendix E

Field Notes



DDMT Groundwater
Sampling
1136~~05~~39.03.27
CH2M-HILL

"Rite in the Rain"
ALL-WEATHER
Horizontal Line
No. 390

QS-1
Start Date: 6-16-97

MENT CONVERSIONS

	MULTIPLY BY	TO FIND
	2.540	centimeters
	30.480	centimeters
	0.914	meters
	1.609	kilometers
s	0.039	inches
rs	0.393	inches
	3.280	feet
	1.093	yards
s	0.621	miles
	28.350	grams
	0.453	kilograms
	0.035	ounces
	2.204	pounds
es	29.573	milliliters
	0.473	liters
	0.946	liters
J.S.)	3.785	liters
	0.033	fluid ounces
	1.056	quarts
	0.264	gallons (U.S.)

32) x .555
x 1.8) + 32

Decimals of foot	Milli-meters
.0052	1.5875
.0104	3.1750
.0156	4.7625
.0208	6.3500
.0260	7.9350
.0313	9.5250
.0417	12.700
.0521	15.875
.0625	19.050
.0729	22.225
.0833	25.400
.1667	50.800
.2500	76.200
.3333	101.60
.4167	127.00
.5000	152.40
.5833	177.80
.6667	203.20
.7500	228.60
.8333	254.00
.9167	279.40
1.0000	304.80

"Rite in the Rain"®
ALL-WEATHER WRITING PAPER

Name Jason Glasgow
CH2M HILL
Address 2567 Fairlane Dr
Montgomery, AL 36116
Phone 334-271-1444

Project

"Rite in the Rain" - a unique all-weather writing surface created to shed water and to enhance the written image. Makes it possible to write sharp, legible field data in any kind of weather.

a product of

J. L. DARLING CORPORATION
TACOMA, WA 98421-3696 USA

Monday J Glasgow
6-16-97 DDMT Gx-GW Sampling J Emery
0630 Leave MGM
1000 @ DDMT field office label
and make sample kits

1300 meeting with field team for project
instruction

1600 Equipment used - GrundFos Pump
HAZCO # 7296 - Controller
Grundfos model 1A2 06003
Serial 97040029
Hazco Serial 13433

Water Level - Heron

Decond water level indicator and
Grundfos pump as described in the
project instructions dated 6-14-97

1800 Leave DDMT

② Tuesday 6-17-97 J Glasgow J Emery DDMT GWQS

Weather - 70°F Raining Cats and dogs

0700 @ field office call Kevin Myers in GNV to order 3 Loglocks and 36 Bailers

0730 learn how to use YSI 610-D

0830 Complete Calibration of YSI Meters see calibration log for details

Cleaned up field office - Raining

0930 - Break for lunch

1030 - Ellis [illegible] cleaned load up equipment in [illegible]

1120 @ MW-36 in DDMT Field Set up around well w/ plastic and other Equipment

1400 Could not get water. Set up Decon pump @ field office

1445 - @ MW41

1510 purge well → 1 gal

1550 Sample MW41Q for VOCs

1600 @ Field office to drop off samples.

Next Well is MW49

1620 @ MW49

1650 purge well

6-1712 - Sample MW492

VOCs, SVOCs, metals

DDMT GWQS J Glasgow J Emery 61797 ③

1745 @ field office to unload samples add [illegible] Decon pump

Rich makes fed Ex run

1820 Leave field office

J Glasgow

④ ADMT QGWS J Emery 6-18-97 Wednesday
Weather 70°F Cloudy
0700 on ADMT - Conference call w/ L Hudesley
42 → Churchill of silver
Well 23 → flushmount buried in gravel

Make out labels for FB and EB

0745 Collect FB061897 and EB061897
Analyze both for VOCs, SVOCs and TAL Metals
EB was collected from the onsite filtering/
Ion exchange system

EB - TAL Metals and SVOCs were collected
from the Grundfos pump and
tubing. VOCs were collected
from a bailer at the field office
back porch

Load up truck with Equipment Wells assigned
for today 33, 55, 48, 23

0852 @ MW55 to purge well
0915 begin purge
0940 Sample MW552 VOCs, SVOCs, Tritium
Decon pump metals, Hardness
w/Q

J Glasgow

ADMT QGWS J Emery 6-18-97 Wednesday ⑤
1022 @ MW48 - Purge 1200 - pump got stuck
1210 Sample MW48 - Decon pump
1250 @ field office to look @ detailed
maps and figure out where wells
33 - 23
1327 @ MW33 1402 purge Well
1410 sample Well - Decon pump
1510 purge MW23
1535 Sample MW232 - Decon

1600 @ field office to unload Equipment

1631 @ DOM Field to Empty Purge/Decon
Water Drum
1705 @ field office to release samples
and fill out COCs

1800 Loosened caps on wells
MW-23 - 39 - 25 - 53

1845 to Hotel

J Alvarez

⑥ DDMT 2nd QGWS J Emory 6-19-97 Thurs
Weather 70°F Clear
0700 Conference call with G Underberg
to receive instructions and load up
truck
0745 Purge MW36 W/a bailer
1200 Sample MW362 - MW362DUP metals
VOCs SVOCs Tritium Metals - Dup, FS, Fe
SO4, Cl
1245 complete sampling

1325 @ Field office to drop off
samples and pick up next sample kit

1355 @ MW 53 purge well
1435 Sample MW53 VOCs SVOCs
Metals
Decon Pump

1505 @ field office to pick up tubing

1520 @ MW40 to purge well
1610 Sample Well
1645 @ field office package samples and
bag Ice
1815 leave DDMT
Jason Alvarez

J Alvarez

DDMT 2nd QGWS J Emory 6-20-97 Friday ⑥

0700 @ DDMT Field office to load
up Equipment
44, 45, 39, ~~42~~ 31 - wells for today

Calibrated pH meters

0745 @ Dunn Field to pump purge
water into tank
0810 Decon pump
0830 @ MW 39 to purge well
0920 pump on → only enough water to
fill pump hose. - pull pump and
clean. Set up to bail well

Bail 2.5 gallons from well.
Well is not in vertically or
joint is off. Bailer and pump will
not go to bottom of well,
Bail Dry to ~~top~~ joint or less

1015 pull VOAs well dry. Come back
later to pull rest of analytes

J Ahayo

① DDMT 2nd QGWS 1997 J Emory 6-20-97 Friday

1045 @ MW44 to purge well
1120 MW442 - Collect
VOCs - Dup MS/MSD
SVOCs Metals - Decon pump
1145 leave site
1255 @ MW 45 to purge well
1325 sample MW452
VOCs - Dup, SVOCs, metals
1350 leave site

1400 @ MW 21 to purge well
1435 - Sample MW21 - VOCs, SVOCs, Metals Decon Pump
~~1500 @ MW11 to purge well~~ JG
Back @ field office to pick up sample kit for MW27
~~1540~~ @ MW27 to purge well
1600 MW27 is dry
TD 93.90
1605
@ MW-39 to pull bailers and fill as many bottles as possible - got all analytes
1630 @ office to unload truck and package samples
1800 Leave DDMT
Jason

Saturday J Ahayo
6-21-97 DDMT 2nd QGWS 1997 J Emory ⑧
Weather 75°F clear, muggy
0700 @ field office - to load up truck with supplies
0735 Collect EB062197 for VOCs, SVOCs, Metals
- Calibrate YSI meters
0800 - tried to find MW06 - could not find.
0830 @ MW 10 to purge well
0905 Sample MW103 VOCs / metals
0930 Empty drums into holding tanks
0955 - decon pump
1000 @ field office call Greg Yorkley about Well - 6 and pick up kits
1020 @ cluster MW12/35
Purge 35 first
1110 Sample MW35
VOCs, SVOCs, Metals
Dup MS MSD
Decon Pump

⑨ DDMT 6-21-97 Saturday J Slagow J Emmy J Md @ GWS 1[illegible]

1245 @ MW 12 to purge well
1330 Sample MW122
Sample VOCs Metals
1340 Decon Pump

1355 @ MW06 to purge Well
1430 Sample MW062
VOCs SVOCs, Metals, ES

1445 Empty Purge drums into tank
@ Burn field and dropp off
drums
1500 @ Field office to package up samples
Equipment and unload trucks
and tidy up office

1600 Leave Field office

#052

[illegible] A11

DDMT - GROUNDWATER
SAMPLING 2ND QUARTER

DIETZGEN

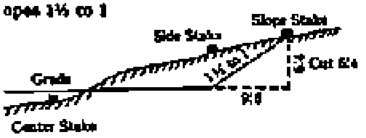
Project # [illegible]

ENGINEERS
FIELD BOOK
No S400V

START DATE 6-16-97

AKES FOR CROSS-SECTIONING

of any Width
opes 1½ to 1



Fill" and under .4 read 9.6 the distance from the side
der "Cut or Fill" and under .6 read 16.2, the distance
o the slope stake at the left.

.5	.6	.7	.8	.9	Cut or Fill
Side or Shoulder Stake					
0.8	0.9	1.1	1.2	1.4	0
2.3	2.4	2.6	2.7	2.9	1
3.8	3.9	4.1	4.2	4.4	2
5.3	5.4	5.6	5.7	5.9	3
.8	6.9	7.1	7.2	7.4	4
.3	8.4	8.6	8.7	8.9	5
9.8	9.9	10.1	10.2	10.4	6
11.3	11.4	11.6	11.7	11.9	7
12.8	12.9	13.1	13.2	13.4	8
14.3	14.4	14.6	14.7	14.9	9
15.8	15.9	16.1	16.2	16.4	10
17.3	17.4	17.6	17.7	17.9	11
18.8	18.9	19.1	19.2	19.4	12
20.3	20.4	20.6	20.7	20.9	13
21.8	21.9	22.1	22.2	22.4	14
23.3	23.4	23.6	23.7	23.9	15
24.8	24.9	25.1	25.2	25.4	16
26.3	26.4	26.6	26.7	26.9	17
27.8	27.9	28.1	28.2	28.4	18
29.3	29.4	29.6	29.7	29.9	19
30.8	30.9	31.1	31.2	31.4	20
32.3	32.4	32.6	32.7	32.9	21
33.8	33.9	34.1	34.2	34.4	22
35.3	35.4	35.6	35.7	35.9	23
36.8	36.9	37.1	37.2	37.4	24
38.3	38.4	38.6	38.7	38.9	25
39.8	39.9	40.1	40.2	40.4	26
41.3	41.4	41.6	41.7	41.9	27
42.8	42.9	43.1	43.2	43.4	28
44.3	44.4	44.6	44.7	44.9	29
45.8	45.9	46.1	46.2	46.4	30
47.3	47.4	47.6	47.7	47.9	31
48.8	48.9	49.1	49.2	49.4	32
50.3	50.4	50.6	50.7	50.9	33
51.8	51.9	52.1	52.2	52.4	34
53.3	53.4	53.6	53.7	53.9	35
54.8	54.9	55.1	55.2	55.4	36
56.3	56.4	56.6	56.7	56.9	37
57.8	57.9	58.1	58.2	58.4	38
59.3	59.4	59.6	59.7	59.9	39
60.8	60.9	61.1	61.2	61.4	40

Property of CH2m Hill

2562 FairLane DR.

Address MONTGOMERY AL. 36116

Phone (334) 271-1444

This Field Book contains special paper which is impregnated with resin to make it substantially stronger as well as water resistant. Your field notes will come out sharp and clear even when the page is wet.

MADE IN U.S.A.

INDEX PAGE

PROJECT	PAGE NUMBER

Proj# 113603.03.ZZ | Equipment List, (1.)

G. FORD/C. Ivey.

1300 - SEE QS-2 Log Book For All Sample Team Activities.

▶ Grunfos Pump # 3371 Control Box.
2" S.S. Pump w/ 300 ft Cable.

▶ WATER Level meter: Hazco, #2248
300 ft. M-scope.

▶ OVM, MODEL 580B, CH2M # 3223

▶ CALIBRATION Gas: HAZCO, ISOBUTYLENE
100 PPM, Lot # 46802
↓ # 48586

6-17-97

(2.) DDMT, 2QT Groundwater Sampling Proj. #113630.03.ZZ

- Weather: P. cloudy, on+off Rains ~ 78°F
- Field Crew: G. Ford, C. Ivery.

1030 - OVM Calibration, Zeroed - 00.0 Cal. Gas = 101 ppm. (See Page 1)

See Phys. Log Book for Equipment Calibrations for Purging Equip.

1100 - Loading Sampling Equipment, To mob to MW-46 and MW-28.

1140 Arrived at MW-46, OVM = <0.0 ppm

DTW = 50.10 (TOC) Total Depth = 70.95' (TOC)

1 well vol. = 20.85' X .1632 = 3.40 gals.

3 well vols = 3.40 = 10.2 Gals. / 14.0 gals.

Pump on: N/A * off: N/A

Total Vol. Purged = ~~10.5~~ 14.0 gals

1 vol = DO 7.60 PH: 5.55 Cond: 204 Temp. 19.70 Red.

2 vol = 7.37 5.56 217 19.58 N/A

3 vol = 7.27 5.14 253 17.39

Also see Purge and Sample Data SHTs.

*Hand Bailed Due to sample water column. Light Turb, Light amber color.

1308 ~~1300~~ - Terry Templeton + Eddy Bouzeid State of Tenn + Shawn Phillips

~~14~~ 1340 - Sample Time: MW-46 (Sample ID: MW462)

PH: 5.93, Cond: 267, DO: 6.70, Temp. 18.37°C

6-17-97 G. Ford

DDMT, 2QT.

Groundwater Sampling. (3.)

1422 - Arrived at MW-28 (Sample I.D. MW282)

OVM = 00.0 ppm, BZ = 00.0

DTW = 55.54. Total Depth = 69.0'

1 well vol/ft 13.46 X .1632 = 2.20 gals

3 well vol/ft = 6.6 gals.

Pump on: N/A Pump off: N/A

Total vol. Purge = 6.60 Gals.

PH	5.67	5.69	5.72
Cond.	230	213	207
Temp.	19.42	18.57	18.55
D.O.	8.10	8.58	8.84
Redx.	223	353	385
Vol.	2.25	4.50	6.75

1509 Sample highly turbid, allow for settlement before collecting samples

1545 Sample Time: MW28, collected S-VOC, unfiltered metals. Also see (Purge, Sample Data Sheets.)

1605 - Left for field office, drop of samples and collect new sample kits.

1620 - Started packing samples, completed CofCs, shipped out bad equipment, prep for 6-18-97 sampling. unloaded sampling equipment.

1820 - Offsite.

G. Ford 6-17-97

④ DDMT - 2ND QT GROUNDWATER 6-18-97
Sampling. — Proj. #113603.03.ZZ

▷ Weather: P.cloudy, ≈ 80°F Light Breeze.

▷ Field Crew: G. FORD, C. IVERY.

0700 - Morning Meeting, Discussed Sampling Activities w/G. UNDERBERG.

0725 - Loading Sampling Equipment And Calibrating Equipment (See Equip. - Log Book.)

0810 - Ordered Back-up Equipment From Kevin Mayer (CH2M Hill). Gave OVM And Water level meter to Rich's Teams. Will Work with Teams to collect water Levels Due to one is Down.

0900 Located MW-23, Buried under Gravel. Opened MW-24, And MW-38.

0930 Arrived At MW-20

OVM = Ø ppm BZ = Ø ppm

DTW = 85.28 (Toc) Total Depth = 98.60 (Toc)

1 wellvol. = 13.32 X .1632 = 2.17 gals.

3 wellvols = 6.51 gals

Pump on: N/A Pump off: N/A

✱ UNABLE to Fit Pump IN well.

Total Vol. Purged: 9.0 gals

✱ HAND BAILED (SEE Purge SHT)

G. FORD 6-18-97

DDMT 2ND QT. 6-18-97 ⑤
G.W. Sampling

MW-20				
PH	6.64	6.22	6.10	6.11
Cond.	270	259	257	256
Temp.	20.02	18.03	18.79	18.85
D.O.	8.79	10.39	8.56	9.88
REDX	223	258	331	297
Vol.	2.25	4.50	6.75	9.00

Comments: Turbid, Amber, NO SHEEN

1055 Sample Time: MW-20 (Sample I.D. MW-202)
(SEE Purge DATA SHT)

1120 Arrived AT MW-19

OVM = Ø ppm BZ = Ø ppm

DTW = 88.06 Total Depth = 95.10

1 wellvol = 7.04 X .1632 = 1.25 gals

3 wellvols = 3.75 gal.

HAND BAILED Due to Vol.

PH	6.20	DRY
Cond.	150	
Temp.	19.6	
D.O.	11.02	
REDX	260	
Vol.	1.25	

(SEE Purge DATA SHT)

1200 Sample Time: MW-19 (Sample I.D. MW-192)

Comments: Light TURB, Light Amber, NO SHEEN

6-18-97

⑥ 6-18-97 G.W. Sampling.
DDMT 2ND QT.

1230 - Broke For Lunch

1305 - ARRIVED AT MW-14

OVM = 00.0 ppm ; BZ = 00.0 ppm

DTW = 71.82 ... Total Depth = 78.50

1wellvol. = 6.68' X .1632 = 1.25 (1.09) gals.

3wellvols = 3.75 (3.27) gals

HAND BAIL Due to water column.

PH	4.91	5.40	5.48	5.70
COND	224	229	225	224
TEMP.	19.77	19.24	18.84	18.84
D.O.	302	14.68	17.01	12.80
REDX.	17.08	333	346	342
Vol.	1.25	2.50	3.75	5.0

Comments: MED TURB, amber color, NO SHEEN.

1445 Sample Time MW-14 (Sample I.D. MW-142)

Collected Dup. Also. (SEE Purge DATA SHT)

1530 ARRIVED AT MW-38

OVM = 0 ppm BZ = 0

DTW = 133.22 Total = 154.00

1wellvol = 20.78' X .1632 = 3.40 gals

3wellvols - 10.2 gals

Pump on: Pump off:

Total vol. PURGED =

DDMT 2ND QT.
GW. Sampling. ⑦

MW-38					
PH	6.84	6.18	6.22	6.79	UNABLE to Pump,
Cond	291	244	238	232	~~NOT Enough~~ Due
Temp	20.39	18.96	18.90	18.94	to low water
D.O.	12.09	1.64	12.80	11.76	column.
Redx	201	201.9	199	212	Will Hand Bail on
Vol.	3.60	3.50	7.0	10.5	6-19-97. AM.

Comments: Light HAZE, NO SHEEN.

N/A Sample Time MW-38 (Sample I.D. MW-382)

1700 - Left For Field office.

1710 - ARRIVED AT Field OFFICE, UNLOADING Equipment AND Samples. STARTED Packing Samples For Shippment to QAL.

1800 - Left to open + vent monitor wells offsite for 6-19-97.

1830 offsite All Teams

6-19-97 G. Cold

(8.) DDMT 2ND QT. 6-19-97
G.W. Sampling
Project #N3CN3.03 .Z.Z.

- Weather: clear, HOT @ 85-90°F.
- Field Crew: G. FORD, C. Ivey

0700 Morning Meeting, with G. UNDERBERB. Discussed Sampling Progress, Activities Done on 6-18-97. Added MW-27 to List for Sampling If Well Has water.

0730 Loading Equipment, Decon Pump + Water Level Meter. Gave List of MWs to Be Sampled to Teams.

0800 - Made Sample Kit For MW-27.

0818 - Left to Locate AND Vent MW-9, MW-34, AND MW-13 In Dunn Field.

MW-9 OVM = 0
MW-13 OVM = 0
MW-34 OVM = 0

0905 Arrived AT MW-38 (See Page 7) To Complete well Purging AND Sampling.

1045 Sample Time: MW-38 (Sample I.D. MW-382)

1105 Left For MW-27, Also collected Dup, MS/MSD For TAL metals AT MW-38

1130 Arrived AT MW-27
OVM = 0 BZ = 0

6-19-97 G. FORD

DDMT-2ND QT
G.W. Sampling 6-19-97 (9)

MW-27 - Time: 1135
DTW = DRY Total Depth = 93.9'

1150 Arrived at MW-22
OVM = 0 ppm BZ = 0 ppm
DTW = 96.85 Total Depth = 107.0'
1-well vol. = 10.15 X .1632 = 1.65
3 well vols = 4.95 gals

PH	6.14	6.12	6.07
COND	437	445	454
Temp	17.22	19.76	18.82
D.O.	3.71	13.24	8.36
REDOX	248	259	274
Vol.	1.75	3.50	5.25

Comments: Light Amber, Light TURB, NO SHEEN.

1235 Sample Time: MW-22 (Sample I.D. MW-222)

1315 - Left for Field office.

1335 - Broke For Lunch.

1430 - Onsite, Loading up for MW-25

1500 AT MW-25 OVM = 0 BZ = 0
DTW = 72.23 Total Depth = 79.35'
1-well vol = 7.12 X .1632 = 1.16 gals
3 well vols = 3.48 gals
HAND Bailed Due to Low water Column Area.

6-19-97 G. FORD

(10)

DDMT-2ND QT
G.W. Sampling 6-19-97

MW-25			
PH	6.49	6.38	6.49
COND	236	225	214
Temp	18.45	19.23	19.15
D.O.	11.12	11.55	12.33
REDX.	303	296	274
Vol.	1.25	2.50	3.75

Comments: Light TURB, Light Amber, NO SHEEN.

1605 Sample Time MW-25 (Sample ID: MW252)

1620 Left For Field OFFice.

1635 ARRIVED AT Field OFFice, Called to ORDER Supplies, UNLOADING Equipment, Packing Samples.

1815 - Samples OFFsite For FEDX Shipment to QAL/MGM.

1820 All Samples Teams OFFsite

6-19-97 G. Ford

(11)

DDMT-2ND QUARTER
G.W. SAMPLING. 6-20-97

PROJ # 11303.03.ZZ. G. FORD, C. TUCKY

▷ WEATHER: CLEAR, HOT & 90-95 °F.

▷ 0700 - CALIBRATED H+S Equipment (See Log Book) LOADING TRUCKS., Picking wells For Sample Teams., Repaired wires on Grundfos Pump For Team QS-1. ORDERED Pump Tubing From Kevin Mayer (CH2M Hill)

0815 Left For MW-9 @ DOWN Field.

0830 ARRIVED AT MW-9 OVM=0 BZ=0

DTW = 71.10 Total well Depth = 79.80

1 well vol. 8.70 x .163 = 1.42 gals

3 well vols = 4.26 gals

Pump on: N/A Pump off: N/A

PH	6.28	6.21	6.22	
COND	448	412	422	
Temp.	20.94	18.83	~~6.21~~ 18.97 [illegible] 6/20/97	
D.O	6.30	6.70	6.36	
REDX	228	248	249	
Vol.	1.5	3.0	4.5	6.0

*0840 - Pump NOT WORKING.

*0946 UNABLE to Get Pump working

Comments: Amber color, MED. TURB. NO SHEEN.

1030 Sample Time: MW9 (Sample ID: MW-092)

* HAND BAILED, Collected VOCs + metals only

1050 - Left to Locate MW-54 For QS3 Team. FOUND AND OPENED OVM=1.9 ppm BZ=0.0

1110 - ARRIVED AT MW-13

6-20-97 G. FORD

(12)

DDMT 2ND QUARTER
G.W. Sampling. 6-20-97

MW-13 . am = 0 BZ = 0
DTW = 67.88 Total Depth = 80.30
1 well vol = 12.42 X.1632 = 2.02 gals
3 well vols = 6.06
* HAND BAILED (see MW-9)

Collected VOC, SVOC, TAL metals.

PH	6.04	5.99	5.91	* Dup. SVOC
COND	204	206	208	
Temp.	19.02	18.9	18.66	
D.O	8.80	8.89	8.84	
REDOX	300	301	287	
Vol.	2.0	4.0	6.0	

Comments; Amber, color - MID TURB. NO SHEEN.
1230 Sample Time: MW-13 (Sample I.D. MW-132)
1240 ~~Left for Field office.~~ 6-20-97
1240 Dumped Purge water into Chem Tank at Dunn Field.
1300 Arrive at Field office.
Unloaded Samples and Reloaded for Afternoon wells.
1320 - Broke for Lunch.
1355 Arrived at Field office
Talked with Kevin Myers, Gave Bill #5 for Tubing, will Arrive 6-21-97 at FEDX.
1455 - Arrived at MW-15
OVM = 0 B.Z. = 0

6-20-97 G. Ford

DDMT - 2ND QUARTER (13)
G.W. Sampling 6-20-97

MW-15

Depth to water: 64.32 Total well Depth = 78.40'
1 well vols = ~~64.32~~ Corr. 14.08 X.1632 = 2.30 gals
3 well vols = 6.90 gals.
*HAND BAILED (See Page 11)

PH	5.83	5.70	5.75	w/o
COND	186	180	182	
Temp.	19.49	18.44	18.15	
D.O	7.67	7.00	7.12	
REDOX.	262	367	379	
Vol.	2.25	4.5	6.75	

Comments: Amber color, med. TURB., NO SHEEN.
1545 Sample Time: MW-15 (Sample I.D. MW-152)
Collected VOC, TAL metals only
1605 Left for MW-29 am = 0 BZ = 0
DTW = 35.31 Total well Depth = 53.78
1 well vol. = ~~[illegible]~~ Corr. 18.47 X.1632 = 3.01 gals
3 well vols = 9.04

PH	5.89	5.86	5.82
COND	380	376	375
Temp.	18.20	18.00	17.98
D.O.	6.12	4.75	4.64
REDOX	342	386	398
Vol.	3.0	6.0	9.0

Comments: Amber color, MED TURB., NO SHEEN.
1710 Sample Time: MW-15 (Sample I.D. MW-152)

6-20-97 G. Ford

(14)

DDMT - 2ND QT

G.W. Sampling 6-20-97

1725 Checked MW-2 - DTW=25.03 TWD=35.80

* 1750 Left for Field office To unload Samples, Pack Samples, AND UNLOAD Equipment.

* Called Security, Locked IN AT Dunn Field Contractor Locked Gate.

1800 Arrived AT Field office

~~1800~~ 1830 Offsite ALL Teams.

6-20-97 G. Ford Left Blank.

6-21-97 DDMT - 2ND QT (15)

G.W. Sampling

Proj. # 11303.03.ZZ. : G.Ford, C. Ivery

WEATHER: P.Cloudy, Light Breeze ≈ 85-90° F

0700 Calibrated H+S Equipment (See Log Book)

Discussed Field Activities.

0730 - Loading Equipment.

0750 Left for Dunn Field to open MW-35 + 12 for PID Readings AND to Allow to vent. Called Security to open Gate

MW-12 = OVM = 00.1 BZ = 0

MW-35 = OVM = 00.3 BZ = 0

MW-5 - OVM = 0 BZ = 0

MW-11 = OVM = 00.5 BZ = 0

MW-7 = OVM = 00.0 BZ = 0

0815 - Unable to Find MW-6

0930 Arrived AT MW-2. OVM = 0 BZ = 0

DTW = 25.03 Total well Depth = 35.80

1 well vol. = 10.77 X .1632 = 1.76 gals

3 well vols = 5.28

PH	6.03	N/A	6.08
Cond	587	*	573
Temp	21.6		19.89
D.O	3.79		4.01
Redox	206		212
Vol.	1.75		3.5

* Slow Recharge. Dry AT ~~1st~~ 2nd vol. GF 6-21-97

* Amber color, MED. Turb. Less than 1.5 Ft water column During Sample collection;

Comments: GF 6/21/97

1015 Sample Time: MW-2

Sample I.D: MW-022

(16) 6-21-97 DDMT-2ND QT
G.W. Sampling

1045 ARRIVED AT MW-05 OVM = 0 BZ = 0

DTW = 74.50 Total well Depth = 79.25

1 well vol. = X.1632 = gals

3 well vols =

PH	6.26	6.78	5.88
COND	302	306	292
Temp.	18.85	18.38	17.89
D.O	6.93	6.69	6.56
REDX	310	311	292
Vol.	1	2	3

comments: Amber color, med Turb, NO SHEEN.

1125 Sample Time: MW-05 (Sample I.D. MW-052)

1150 ARRIVED AT MW-11 OVM-0.1 BZ 0

DTW = Total well Depth =

1 well vol = X.1632 = gals

3 well vols = gals

PH	5.53	5.40	5.38
COND	241	231	228
Temp	18.97	17.98	18.19
D.O.	5.91	5.57	5.60
REDX	318	346	353
Vol.	2	4	6

Comments, Light amber, Light Turb, NO SHEEN

1235 Sample Time: MW-11 (Sample I.D. MW-112)

6-21-97 B. Ford

6-21-97 DDMT-2ND QT (17)
G.W. Sampling

1305 Left For MW-42 ~~[illegible]~~ 6-21-97

1320 ARRIVED AT MW-42 OVM = 0 BZ = 0

DTW = ~~53.64~~ 53.67 Total Depth = 59.10

1 well vol = 5.43 X.1632 = .89 gal.

3 well vols = 2.67 gals

PH	5.76	5.82	DRY	* HAND BAILED Due to low water Column.
COND	230	230		
Temp	19.92	18.83		
D.O	4.01	3.57		
REDX	251	233		
Vol.	1.0	2.0		

comments: Light Haze color, Light Turb. No SHEEN,

1405 Sample Time: MW-42 (Sample ID MW-422)

Collected Dup-For PPM metals.

Parameters VOCs, PPM metals only

1430 ARRIVED AT Field office, unloaded Samples, Equipment.

N/A Broke For lunch.

1552 ARRIVED AT Dunn Field to Dump Purge water Into Chem Tank. Security Locked Gate, will Dump 6-22-97,

1600 ARRIVED AT Field office, unloaded Equipment, Decon Equipment, Packing up Equipment For Shipment offsite

1700 offsite.

6-21-97 G. Ford

258 328

(18) DDMT 2ND QT 6-22-97

G.W. SAMPLING.

▶ Proj. # 113603.03.ZZ. G. FORD C. IVERY.

▶ WEATHER: PCLOUDY, Light BREEZE, ≈ 80 °F

0900 - CALIBRATED H+S Equipment. (See H+S Log Book)

1000 - CALIBRATED G.W. Monitor Equipment, LOAD ONE TRUCK with Sampling Equipment.

1035 - Team MOB to MW-47. C. IVERY J. EMERY AND R. BOLDINO.

Remaining Team members Picking Equipment. Cleaning up field office.

1220 MW-47 completed AND Sampling Team BACK AT Field office. UNLOADED Sampling Equipment, STARTED DECON of All Equipment USED AND Packing Equipment.

1330 MADE Equipment List For Jim Emery. All Equipment will Be Picked up on 6-23-97.

1415 - G. FORD, C. IVERY, RICK BOLDINO Jim Emery offsite.

G. FORD

6-22-97

JDMT GROUNDWATER
SAMPLING CH2M HILL
N3650.03EE
2 QUARTER
WS-3

DIETZGEN

6/16/97 -

ENGINEERS'
FIELD BOOK
No. S400V

6/10/97 Groundwater Sampling 1

0815 Rich Balchro and Tuyen Nguyen onsite

0930 Generators arrive onsite

1000 Began labeling sample bottles.

1200 Offsite for lunch

1300 Return from lunch and continue w/ bottle labels.

1500 logisitical meeting w/ entire field team

1630 meeting over. Continue w/ bottle labels.

1715 Decontaminated water level indicator and Grundfos pump.

6/16/97 Groundwater Sampling 2

water level indicator # 2070
Grundfos Controller S/N 5709
Grundfos Pump #21215

1830 Left Site

6/14/97 Groundwater Sampling 3

0700 Arrive onsite Rich Baldino and Thuyen Nguyen.

0715 Calibration / Calib. check on YSI field instruments. Raining, no work done outside.

0930 Offsite due to rain.

1030 Return to site. Load truck.

11:00 load Equip & Head to well 37

1121 at Well 37 and Set up equip.

1135 Water level & TD #37

1145 Head Space 3ppm Attempt to purge well not Successful. Left well at 1320.

6/17/94 Groundwater Sampling *

1430 Began sampling at MW30

DTW = 47.34 ft OVM=0.0ppm

TD = 60 ft

Total purge Volume = 8.5 gal

1440 Began Purge.

1515 Collect sample MW302

Field Parameters

Purge vol	T	pH	SC	DO	Sol.	ORP
1	18.54	6.12	423	4.23	.31	
2	18.58	6.08	420	4.15	.20	
3	18.80	5.99	392	3.98	.18	
3.5	19.00	5.97	355	3.85	.17	
4.0	18.96	5.94	363	3.86	.18	
4.5	18.92	5.93	446	3.86	.22	[illegible]
5.0	18.69	5.94	482	3.91	.23	1445

Sample started very turbid and light brown in color. Turbidity and color faded as purge continued.

1615 Decon equipment.

6/17/94 Groundwater Sampling 5

Pack Fedx coolers.

Return 1 Grundfos and 1 Controller

1815 left Site

1834 arrive at Fed. Express

w/ 2 coolers to the lab w/ tracking # 8126333725 and 1

2 Boxes to Hagen. # 4584239100

Left

Blank

6/18/97 Groundwater Sampling &

0700 Arrive onsite Rich Balestino
Tuyen Nguyen. Conference
Call w/ Greg underberg.

0730 Calibrate YSI Probes
(calibration check).

0800 OVM reading on MW-6
0.00 ppm
Water level
DTW = 56.73 ft
TD = 75.50 ft

0825 OVM on MW-52
0.00 ppm
water level
DTW = 80.37 ft
TD = 105.00 ft

0835 OVM on MW-24
00.0 ppm
water level
DTW: 106.75
TD: 116.93

6/18/97 Groundwater Sampling 7

0900 Began heavy tubing for Sampling MW-37.

0930 Drop off sample bottles to Jason/Jim for MW-5.

0940 Begin 2nd attempt to sample MW-37.

1030 Pump does not work. Bail well by hand.

1200 Offsite for lunch

1245 Return to well MW-37. Continue purge

1400 Sample well MW-37

1515 Arrive at well MW-52

1600 Began Purge MW-52

1620 Collect Sample

6/18/97 Groundwater Sampling 8

1645 Empty purge water drum.

MW-37 Field Params

Purge Vol	Temp	pH	SC	DO	Sal	ORP
0	17.62	6.65	151	6.10	0.3	110.1
1	17.79	6.72	194	4.04	0.11	-34.0
2	17.44	6.69	349	4.87	0.17	-31.1
3	17.13	6.60	348	4.75.	0.17	-31.6

MW-52 Field Params

Purge	Temp	pH	SC	DO	Sal	ORP
1	18.61	5.91	885	3.76	0.44	138.4
2	18.69	5.71	889	3.22	0.44	132.9
3	18.58	5.66	895	3.03	0.44	145.2
3.5	18.59	5.63	895	3.02	0.44	149.0

1700 Empty truck.

1810 Arrive FedEx
Tracking # 8126332060

6/19/98 Groundwater sampling 9

0800 Rich Balolino and Tuyen Nguyen onsite. load truck, Calibrate equip and decon.

0800 begin purge at MW-16

0850 Collect Sample at MW-16
Sample Turbid at start
Cleared up w/ purge

Field Parameters MW-16

Purg vol	Temp	pH	SC	DO	Sal	ORP
1	20.64	5.87	652	0.93	0.32	187.4
2	21.24	5.92	603	0.88	0.29	183.8
3	21.39	5.93	588	0.88	0.29	181.3

0900 Begin purge at MW-24

0950 Collect Sample at MW-24
Field Parameters

Avg	Temp	pH	SC	DO	Sal	ORP
1	20.1	5.91	217	6.84	0.10	196.3
2	19.5	5.72	216	7.10	0.10	234.5
3	19.6	5.76	217	7.09	0.10	245.1

6/19/97 Groundwater Sampling

1030 Begin Purge on MW-50
OVM = 1.0 ppm
water level
TD = 129.18
DTW = 85.60

1100 Begin purge. water
Clear
Field Parameters

Purge vol	Temp	pH	SC	DO	Sal	ORP
1	19.41	590	537	3.64	.26	173.4
2	19.51	5.73	627	2.65	.20	137.5
3	19.24	5.64	697	2.16	.34	198.3
3.5	19.24	562	721	1.93	.35	203.0
4.0	19.24	5.58	735	1.92	.36	206.6

1130 Collect Samples from
MW-50

1145 Finish sample Collection
MW-50

1205 left site for lunch.

6/19/97 Groundwater Sampling 11

1330 OVM at MW-34

0.0 ppm

water level

TD= 163.38

DTW= 137.78

1345 Begin Purge MW-34

15[illegible] Resume purge after tygon tubing burst.

1530 Sample well MW-34

Field Parameters

Purge	Temp	pH	SC	DO	Sal	ORP
1	19.54			5.08	0.05	115.2
2	21.98	5.88	176	5.18	0.08	132.6
3	21.18	5.78	175	5.07	0.08	149.7
4	20.96	5.74	175	5.03	0.08	158.8

Tygon tubing burst after 1st volume. Replaced w/ stronger hose and started over w/ 2nd volume.

6/19/97 Groundwater Sampling 12

1600 Finish Sampling. Emptied drums.

1700 Empty truck and pack coolers fill out COCs

1800 Drop off coolers at Fed Ex # 812 653 2071

6/20/97

0700 Arrive onsite Rick Bohlin Tyuan Nguyen - load brought calibration equipment. Calibrate Turbidimeter.

well	Turb (NTU)	
MW-16	1.93	
MW-36	193	
MW-38	55.0	
MW-40	8.80	
MW-22	>200	
MW-50	11.0	
MW-53	16.5	
MW-34	92.0	
MW-49	25.7	
MW-14	>200	
MW-35	194.5	
MW-48	26.2	
MW-33	137.3	
MW-37	176.0	
MW-23	5.15	
MW-52	2.50	
MW-24	>200	
MW-19	~~>200~~	113.8
MW-46	~~>200~~	60.7
MW-28	>200	

6/20/97 Groundwater Sampling

well	Turbidity (NTU) 14
MW-30	39.2
MW-20	2200

0815 OVM reading on
MW-51
0.4 ppm
water level
TD = 69.82
DTW = 36.70

0820 Begin Purge MW-51

0900 Collect Sample MW-51

Field Parameters MW-51

Purge	Temp	pH	SC	DO	Sal	ORP
1	18.4	5.76	286	7.65	.14	194.5
2	18.41	5.64	281	6.65	.13	201.6
3	18.43	5.62	279	5.82	.15	208.9
3.5	18.43	5.62	278	5.67	.13	211.2

6/20/97 Groundwater sampling 15

MW-04 1005 OVM
0.00 ppm
water level
TD = 81.88
DTW = 69.80

1010 Begin purge MW-04
YSI meter not functioning.
Purged 3 volumes and
assumed parameters
constant. Turbid water

1040 Sample MW-04
1050 OVM 1.8 ppm MW-54
water levels
TD = ~~136.00~~ 100.56
DTW = 74.48

1110 Begin purge MW-54
Slightly turbid

1125 Sample MW-54

4/20/97 Groundwater Sampling 1C

1140 OVM on MW-31
0.0 ppm
water levels
TD: 86.00
DTW: 64.18

1200 Offsite for lunch and
to buy more rope

1350 OVM MW-26
0.0 ppm
water level
TD= 113.20
DTW= 100.02

1405 Begin Purging MW-26
using bailer.

1420 Sample MW-26

1500 Purge well MW-31

1530 Sample MW-31
1545 Empty Purge Drums

6/20/97 Groundwater Sampling 17

1400 Fill out COCs, Decon equipment, Pack Coolers

1705 Turbidity Readings

well	Turbidity (NTU)
MW-54	186.0
MW-44	6.20
MW-45	103.5
MW-31	173.4
MW-04	>200
MW-39	115
MW-51	21.3
MW73	>200
MW-21	8.25
MW-26	>200
MW-09	>200
MW 15	>200
MW-29	>200

1800 Go to Fed Ex,
Airbill # 512 633 2056

6/21/97 Groundwater sampling 18

0800 Arrive at FedEx to pick up tubing

0900 OVM MW-3
0.0 ppm
water levels
TD = 77.49
DTW: 62.18

0910 Purge well MW-03

0930 Sample well MW-03

1000 OVM at MW-07
0.0 ppm
water levels
TD : 77.20
DTW: 63.08

1020 Begin Purge on MW-07

1030 Sample well MW-07

6/21/94 Groundwater sampling 19

1045 OVM reading at MW-08
0.0 ppm
water levels
TD = 68.30
DTW = 57.59

1050 Begin purge MW-08

1110 Sample MW-08

1130 OVM at MW-32
0.0 ppm
water level
TD = 68.00
DTW = 58.96

1140 Purge MW-32

1210 Sample MW-32

1230 unload truck. offsite for lunch

1300 Pump out purge drums.

6/21/97 Groundwater sampling 20

1400 unload truck, start COC's, pack coolers.

1430 Field measurements on samples collected earlier in the day

well	Temp	Cond	pH	DO	ORP
MW-03	18.37	313	5.91	7.06	299.7
MW-07	13.6	303	5.92	6.34	313.8
MW-08	19.13	266	5.92	8.26	327.9
MW-32	20.47	684	5.64	7.09	278.0

1500 Turbidity measurements

well	Turbidity (NTU)
MW-02	109.5
MW-11	199.2
MW-05	>200
MW-35	25.5
MW-08	>200
MW-42	80.2
MW-12	154.0
MW-10	28.0
MW-32	>200

6/21/97 Groundwater Sampling

Turbidity, Cont'd

Well	Turbidity (NTU)
MW-03	>200
MW-07	>200
MW-06	22.5

~~1400~~ LHS

1600 Go to FedEx
Airbill # 812635 2056

3/22/97 Groundwater Sampling 22

1000 Onsite. Calibrate instruments, load truck, prepare for sampling MW-47. Pack equipment to ship back to Hazco

1045 OVM reading on MW-47
0.0 ppm
water levels
TD = 121.72
DTW = 102.13
water col. = 19.59 ft
0.16

3 gallons/volume

105 begin purge MW-47

Volume	Cond	pH	Temp	DO	ORP
0	[illegible]	5.47	23.0	1.86	80.3
1	152	5.76	19.7	2.14	100
2	324	5.85	19.97	5.33	130.8
3	353	5.90	19.35	5.57	138
3.5	357	5.89	19.40	5.50	140

1120 Collect Sample MW-47

6/22/97 Groundwater Sampling

1140 Empty purge drums.

1230 Turbidity MW-47
9.55 NTU

"Rite in the Rain"®

ALL-WEATHER

LINE RULE

Notebook No. 391

DDMT Q Groundwater Inv
Calibration Logbook
2nd Quarter 1997
G.W. MONITORING Equipment
START DATE: 6-16-97
END DATE:

CONTENTS

PAGE	REFERENCE	DATE

6-17-97 Tuesday DDMT Calibration of Instruments

0730 Calibration of YSI 610 D
① Ser# 177684R
Probe YSI 600XL-B-M Ser# 96H10225AA

Calibration Standards M605240
pH = 7.00 Eagle Picher Lot # C8013024
Exp May 31, 1999
pH = 4.00 Eagle Picher Lot # C8013024
H782025 ~~H703225~~
Feb 29, 2000

Cond Meter 1000 mS/cm YSI/014
Lot # 9650291
Exp. 03/98

YSI ZOBELL Sol
Lot 97F0161
Exp 06/99

② YSI 610 Dm Ser# 167311R
~~Ator~~
Probe YSI 600XL-B-M
SN 96H0074AA

6-17-97 Tuesday DDMT Calibration of Instruments

③ YSI 610 D Ser# 173828R
Probe Model 600XL-B-M
Ser# 97C0811AC

Factory Specs mS/cm

Instrument	Cond mS/cm	pH 7	pH 4	ORP mV	DO%
1	10.0	7.0	4.0	234.9	100
2	10.0	7.0	4.0	234.4	100
3	10.0	7.0	4.0	234.9	100

Calibration Check

Instrument	Cond	pH 7	pH 4	ORP	DO
1	1002	7.00	3.99	244	95.1
2	976	7.15	4.15	228	109
3	~~1002~~ 977	~~7.00~~ 7.00	4.00	226	96.3

#1 Recalibrate pH - 4 solution is out of range
Use a 1 point calibration for Today

pH 4 was bad
using new solution

Recalibrated pH on Probe #3

4

6/19/97 Calibration of YSI Instruments

Calibration Check YSI field probes

~~Inst # pH7~~

Inst #	Cond	pH7	pH4	ORP	D.O.
1	973	7.10	3.97	253.4	99.7
2	978	7.11	4.10	240.2	101.7
3	973	6.98	4.04	241.7	95.6

5

6/19/97 Calibration of YSI Inst.

Calibration check of YSI field probes

Inst #	Cond	pH7	pH4	ORP	D.O.
1	976	7.09	4.10	255	103.9
2	972	7.15	4.15	257.2	149
3	983	7.00	4.04	242	97.1

Probe #2 recalibrated for D.O.
New value = 101.2

6/20/97 Calibration YSI

Instrument #	Cond	pH 7	pH 4	ORP	DO
1	985	7.05	4.06	254.1	100.7
2	972	7.01	4.05	240.1	96.2
3	959	6.99	3.97	233.7	103

3 - Recalibration of pH

6/21/97 Calibr YSI

Instr #	Cond	pH7	pH4	ORP	DO
1	980	7.07	4.03	240.2	100.5
2	975	7.01	4.03	221.7	91.5
3					

6/22/97 VSI Cal. Check

#	Cond	pH7	pH4	ORP	DO
2	931	7.08	4.04	218	100.7

"Rite in the Rain"®

ALL-WEATHER

LINE RULE

Notebook No. 391

DDMT - 2ND QT.

Health + Safety

EQUIPMENT CALIBRATION

LOG BOOK.

Proj # 113603.03.ZZ.

START DATE: 6-16-97

END DATE:

CONTENTS

PAGE	REFERENCE	DATE

② DDMT - 2ND QT G.W. Sampling.

6-17-97 H+S Equipment

Calibrations : Proj# 113603.03.ZZ

0700 - AM. G. Ford.

① OVM - Model 580B chem # 3101

② OVM - Model 580B chem # 3223

③ Mini Rae Plus chem # 3559

④ Cal. Gas. Hazco Gas Lot # 46802

↓ # 48586

100ppm Isobutylene..

#⑤ OVM - Model 580B, onsite # 46282-276

#1 Zeroed = 00.0 Cal. Gas = 101.0 ppm

#2 ↓ = 00.0 Cal. Gas = 100.3 ppm

#3 ↓ = 00.1 Cal. Gas = 99.6 ppm.

Cal Gas = #④ Span = 100

6-17-97 G. Ford

DDMT - 2nd QT.

G.W. Sampling. ③

6-18-97

0700 - G. Ford.

#1 Zeroed = 00.0 Cal. Gas = 100.2 ppm

#2 ↓ = 00.0 ↓ 101.0 ↓

#3 ↓ = 00.1 ↓ 99.7 ↓

#4 - Cal. Gas. Span = 100

6-18-97 G. Ford

6-19-97 DDMT 2nd QT

G.W. Sampling

0700 - G. Ford.

#1 Zeroed 00.0 Cal. Gas = 100.0 ppm

#2 ↓ 00.0 ↓ 100.5 ↓

#3 ↓ 00.0 99.8

#4 - Cal. Gas.

6-19-97 G. Ford

6-20-97 DDMT - G.W. Sampling

2nd QT.

0700 - G. Ford.

#1. Zeroed Cal. Gas = 101.0 ppm

#2 = 100.2 ppm

#5 = 101.3 ppm

#4 Cal Gas 100ppm ↓ Span = 100

6.20-97 G. Ford

④ DDMT 2ND QUARTER
G.W. SampliNG 6-21-97

0700 - G. FORD Proj.# 113603.03.ZZ
#1 ZEROED = 00.0 CAl GAS = 99.5
#2 ↓ 00.0 CAl GAS = 99.0
#5 00.0 CAl GAS = 99.7
CAl.GAS = #4 SPAN = 100
(see Page 2)

6-21-97 G. FORD.

0900 - G. FORD. 6-22-97
Proj# 113603.03.ZZ.
#1 ZEROED, = 00.0 Cal.GAS = 100.1
Cal.GAS = #4 (see Page 2) Only one team Sampling Today, AND only one well to Be SampleD. "MW-47."

6-22-97 G. FORD

FINAL PAGE

ADMINISTRATIVE RECORD

FINAL PAGE

FINAL PAGE

ADMINISTRATIVE RECORD

FINAL PAGE