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DEFENSE LOGISTICS AGENCY

THE MEMPHIS DEPOT
TENNESSEE

ADMINISTRATIVE RECORD
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DEFENSE DISTRIBUTION DEPOT MEMPHIS

QUARTERLY GROUNDWATER MONITORING REPORT

DEFENSE LOGISTICS AGENCY

CH2MHILL

U.S. Army Engineering
and Support Center,
Huntsville

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1.0 Introduction

This report summarizes the results of groundwater elevation and water quality data collected during the Defense Distribution Depot Memphis (DDMT) September 1997 quarterly groundwater sampling event. The report is organized into the following sections:

- Section 1 - Introduction and summary of DDMT background information
- Section 2 - Summary of field sampling methods
- Section 3 - Summary of groundwater elevation and sample analytical data
- Section 4 - Conclusions
- Section 5 - References

Data quality evaluation results, analytical data tables, field purge 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 Laboratory analytical data sheets have been archived in the DDMT project files at CH2M HILL.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 mandates that an RI/FS be performed to determine the nature and extent of contamination, to evaluate public health risks, and to screen potential remedial actions.

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

The purpose of this quarterly groundwater sampling report is to present and summarize the groundwater elevation and water quality data collected from the monitoring wells at the DDMT facility in September 1997. This report also summarizes the spatial and temporal distribution of these data compared to data previously collected from these wells.

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

1.1 Facility Background

DDMT is situated on 642 acres in Shelby County, Memphis, Tennessee, in the extreme southwestern portion of the state (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, respectively, to the Main Installation. Dunn Field, the only known waste disposal area at DDMT, is located just north of the Main Installation. Person Avenue, Kyle Street, and Hays Street serve as the northern, western, and eastern boundaries, respectively, to Dunn Field.

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

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

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

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

1.2 Hydrogeology

1.2.1 Regional Hydrogeology

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

Loess. Loess is a semi-cohesive eolian deposit composed of silt, silty clay, silty fine sand, or mixtures thereof. It mantles the ground surface over wide areas of the central United States. 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 exist beneath the uplands and valley slopes of the Gulf Coastal Plain and are the remnants of ancient alluvial deposits of either existing streams or an ancient drainage system. The fluvial deposits consist primarily of sand and gravel with minor lenses of clay and thin layers of iron-oxide cemented sandstone or conglomerate. These fluvial deposits range from zero to 100 feet in thickness and underlie the loess. The upper and lower surfaces of the fluvial deposits have been eroded, causing the thickness to be highly variable. Locally, in the Memphis area, the fluvial deposits may be absent (Graham and Parks, 1986). These deposits represent the upper aquifer at DDMT, herein termed the Fluvial Aquifer.

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

The thickness of the Jackson Formation is reported differently in the literature. Kingsbury and Parks (1993) report a range of zero to 50 feet, while Parks and Carmichael (1988) report a thickness ranging from zero to 150 feet. Where the Jackson Formation is present, the Cockfield may be from 235 to 270 feet in thickness. In other places extensive erosion has caused the thickness to be highly variable. The Cockfield is generally an unconfined water-table aquifer (Parks and Carmichael, 1988), and it provides water for some public and industrial uses.

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

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

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

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

Well Sh:J-167, which is about two 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 lower saturated portion of the underlying terrace deposits is locally referred to as the Fluvial Deposits Aquifer (herein referred to as the Fluvial Aquifer), which is the uppermost aquifer beneath DDMT. Perched groundwater also exists in the terrace deposits above small clay lenses at elevations above the Fluvial Aquifer. However, these perched water zones are temporal and are not considered part of the Fluvial Aquifer. The Fluvial Aquifer is not used as a drinking water source within the City of Memphis.

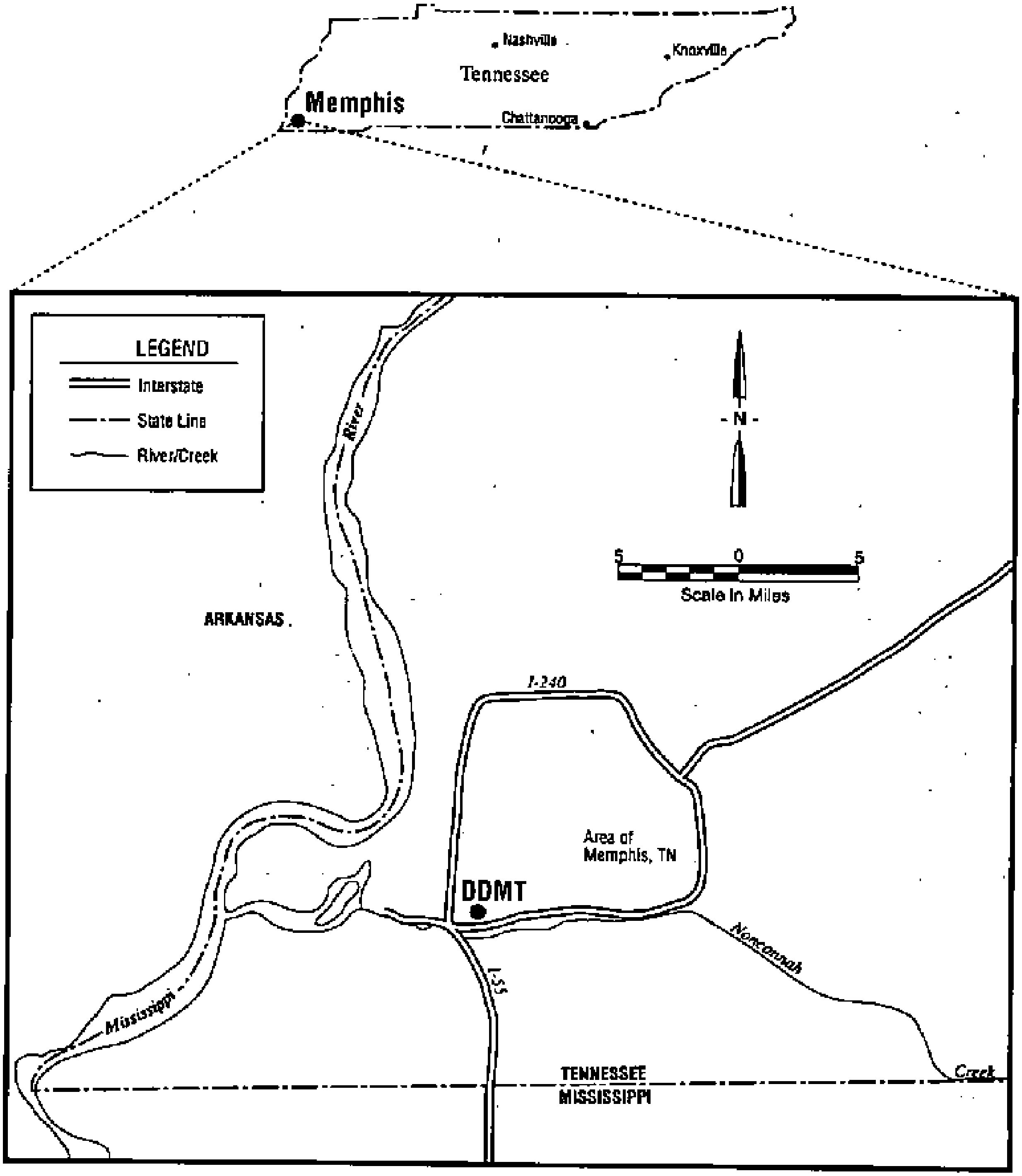
The upper portion of the Jackson Formation/Upper Claiborne Group, which serves as the base of the Fluvial Aquifer, generally consists of a high-plasticity clay of variable thickness. The depth to the top of the confining unit at OU-4 ranges from about 70 feet bls to about 160 feet bls in the northwest 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 *O-U4 FSP*) to 5 feet of sandy, silty clay and 9 feet of interbedded silty clay and fine grained sand.

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

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

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

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



SOURCE: Engineering-Science, 1993.

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

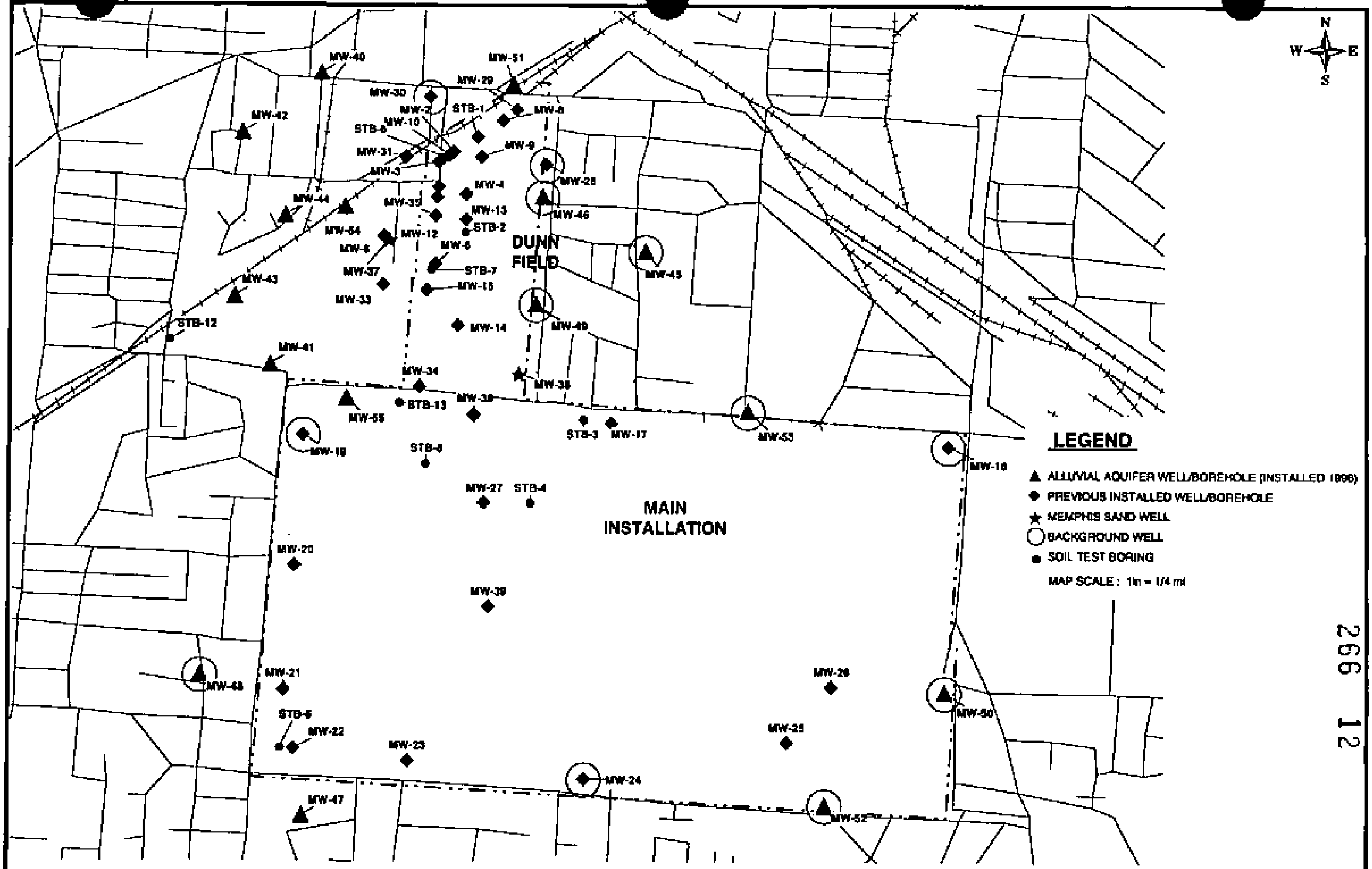


FIGURE 1-2
GROUNDWATER MONITORING WELL LOCATIONS
Defense Distribution Depot Memphis, Tennessee

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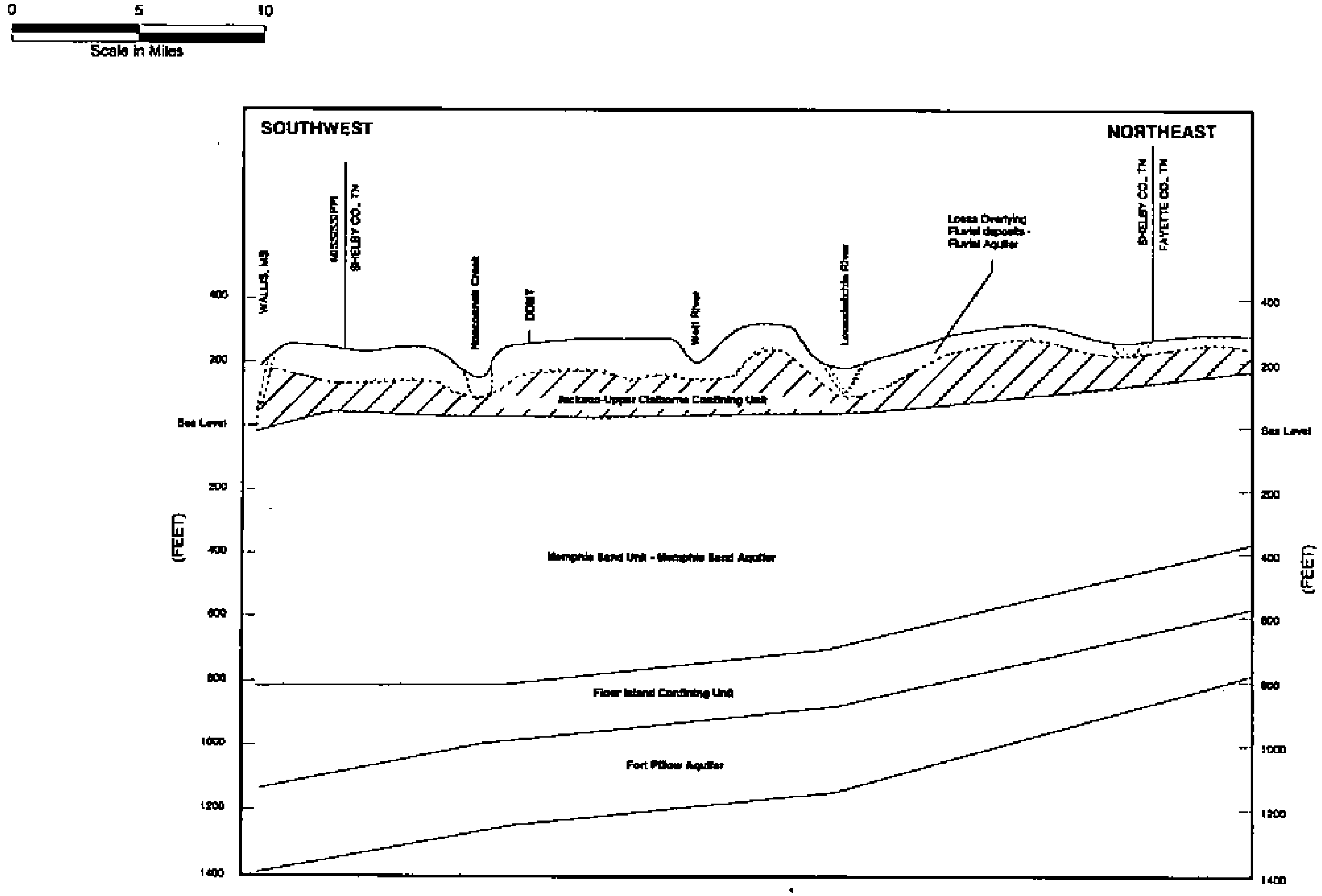

Source: Parks, 1990

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

CH2M HILL

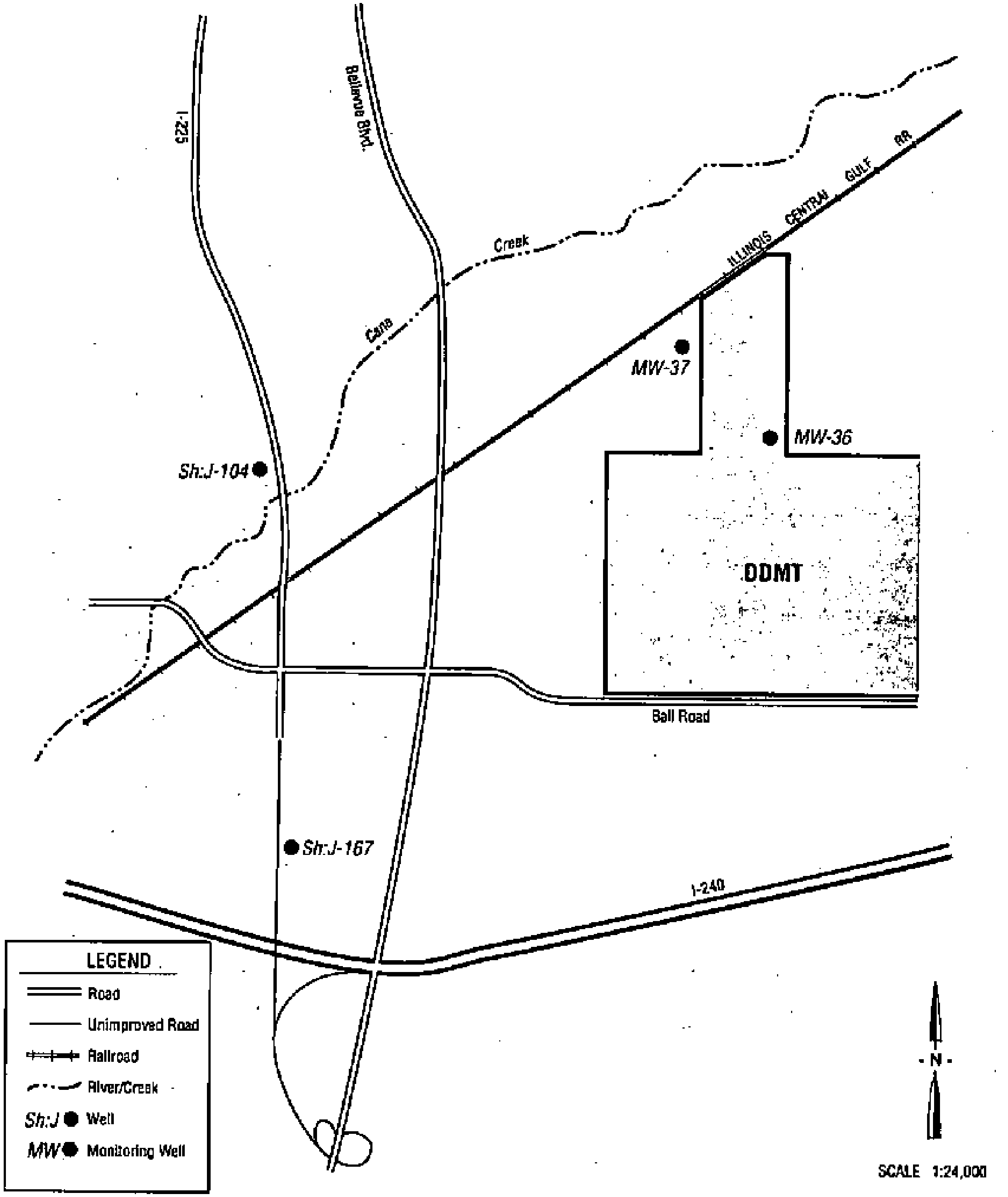

Figure 1-4
Confined Sand Aquifer Well Locations
Defense Distribution Depot • Memphis, Tennessee

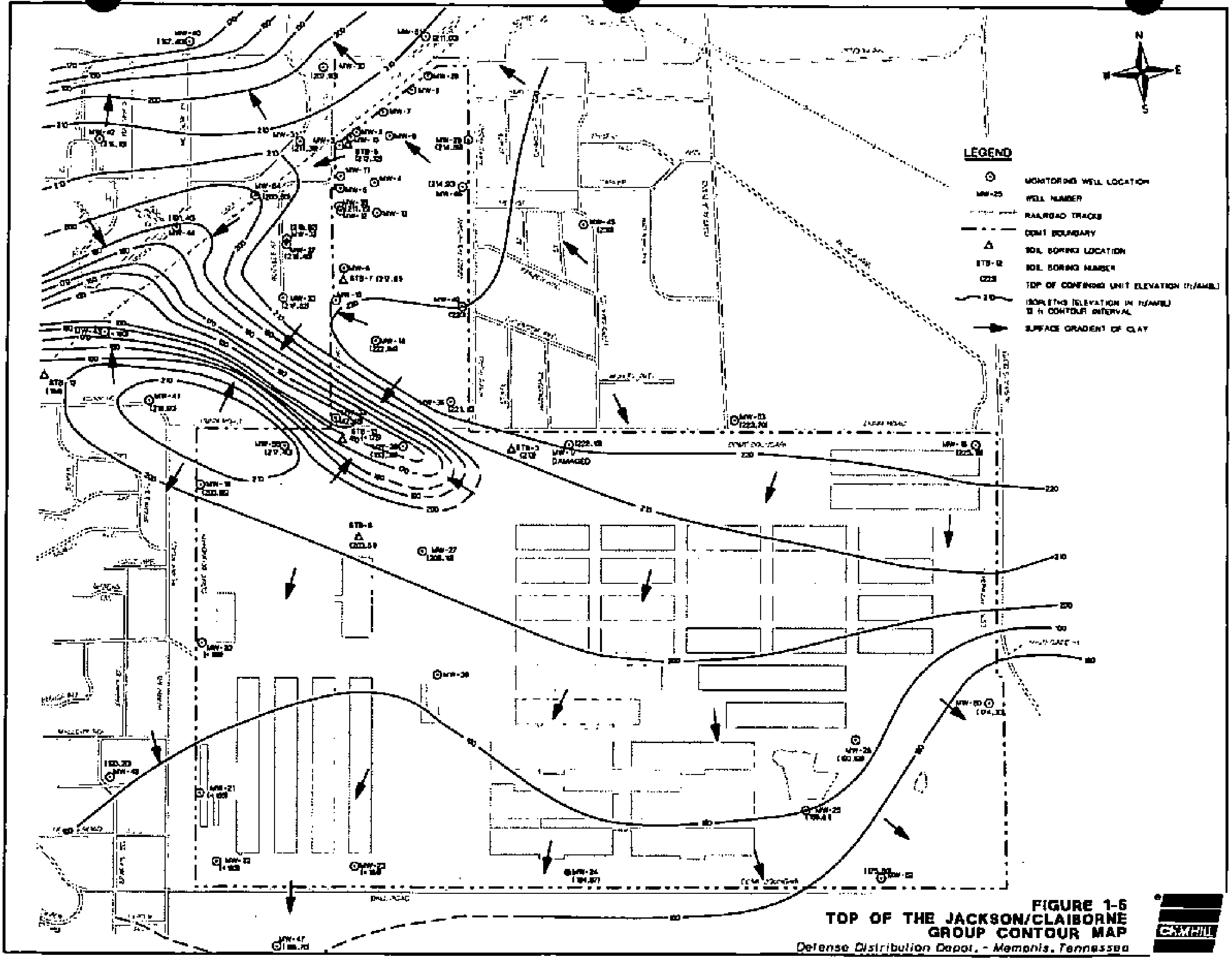

FIGURE 1-6
TOP OF THE JACKSON/CLAIBORNE GROUP CONTOUR MAP
Defense Distribution Depot, - Memphis, Tennessee

2.0 Field Methods

All groundwater samples were collected during this quarterly groundwater sampling event in accordance with the OU-4 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. The potential for volatile organic compound (VOC) concentrations in the breathing zone at MW-12 and MW-35 made it necessary to don modified Level C personal protective equipment (PPE) and conduct air monitoring to determine whether it would be necessary to wear respiratory protection when sampling these wells. During this quarterly sampling event, breathing zone monitoring detected organic vapors at a maximum of 1.5 ppm at MW-12 and MW-35. Sustained monitoring indicated organic vapors at levels less than 1 ppm, which was less than the action level (a sustained level of 25 ppm in the breathing zone) specified in the Site Safety and Health Plan for necessitating respiratory protection. Based on these findings, the required PPE was reduced from Level C to Level D.

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

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

  volume (gal) = $0.41\ d^2H$
  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 of the effluent. Purging was terminated if the well was de-watered.
- Physical parameter measurements of the water including pH, conductivity, turbidity, temperature, dissolved oxygen, and 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 semi-volatile organic compounds (SVOCs) and other parameters as appropriate for the specific well. VOCs were collected by filling the vial, with as little turbulence as possible. Each vial was filled until a 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.) were discarded in accordance with appropriate disposal procedures. All drums containing purge and decontamination water were closed and labeled. The well was closed and locked and the sample area was 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 similarly to the bailed samples, described above. The samples were then analyzed for metals and SVOCs. The volatile organic analysis sample aliquots were collected by removing the pump from the well, allowing the water to stabilize for at least 15 minutes, and then collecting the sample with a bailer as described in the preceding section.

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

2.2 Investigation Derived Waste Management

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

2.3 Equipment Calibration

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

All field instruments (e.g., Hnu, combustible gas indicators [CGIs], pH meters, conductivity meters, etc.) were calibrated according to manufacturer's instructions. 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., PID, CGI) and model number
- Instrument serial number
- Type of calibration procedure used
- Type of calibration gas or standard used, concentration (ppm), and lot number
- Instrument reading and span (if appropriate)
- Date and time of calibration

2.4 Sample Packaging and Shipping

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

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

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

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

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

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)	Temp (°C)	DO (mg/L)	Turbidity NTU	Sample Method	Comments
2	9/26	MW023	VOCs; TAL Metals	Dup (VOCs only)	1.1	1.25	2	6.13	0.530	18.5	9.29	60.6	Bailed	
3	9/26	MW033	VOCs; TAL Metals; TOC, SO_4, Cl, NO_3/NO_2, NH_3-N		2.43	8.2	3	6.04	0.288	18.6	4.63	979	Bailed	
4	9/26	MW043	VOCs; TAL Metals		1.96	6.3	4	5.67	0.197	18.4	9.93	71.6	Bailed	
5	9/27	MW053	VOCs; SVOCs; TAL Metals; Iodine		2.78	25.0	9	6.38	0.414	19.8	11.74	11.4	Pumped	
6	9/27	MW063	VOCs; SVOCs; TAL Metals; Hardness		1.9	6	4	5.41	1.620	20.2	11.19	113	Bailed	
7	9/27	MW073	VOCs, SVOCs, TAL Metals		5.0	30	6	6.26	0.292	20.8	10.73	28.7	Pumped	
8	9/26	MW083	VOCs; SVOCs; TAL Metals; TOC, SO_4, NO_3/NO_2, NH_3-N, Cl, Hardness		1.7	5.2	4	5.80	0.235	17.4	10.05	26.8	Bailed	
9	9/26	MW093	VOCs; TAL Metals		1.3	12	9	6.44	0.281	19.8	10.63	7	Pumped	
10	9/26	MW103	VOCs; TAL Metals; TOC, SO_4, NO_3/NO_2, NH_3-N, Cl, Hardness		1.7	5.0	3	5.89	0.289	19.5	10.71	35.7	Bailed	
11	9/27	MW113	VOCs; TAL Metals; Iodine		2.1	25.0	12	5.97	0.251	18.9	12.23	16.4	Pumped	
12	9/27	MW123	VOCs; TAL Metals		2.1	6.15	3	6.26	0.239	20.4	12.54	10.1	Pumped	
13	9/26	MW133	VOCs; SVOCs; TAL Metals; NH_3-N, Cl, NO_3/NO_2, SO_4, TOC	Dup (SVOCs only)	1.8	16.0	9	5.89	0.203	20.0	11.97	5.62	Pumped	
14	9/24	MW143	VOCs; SVOCs; TAL Metals; NH_3-N, Cl, NO_3/NO_2, SO_4, TOC	Dup (TAL Metals only); Split	1.15	3.5	3	5.90	0.218	18.6	4.55	1000	Bailed	
15	9/26	MW153	VOCs; TAL Metals		2.31	7.0	3	6.15	0.204	18.8	5.40	504	Bailed	
16	9/24	MW163	VOCs; SVOCs; TAL Metals		1.7	10.0	6	6.41	0.489	19.3	9.61	33.7	Bailed	
19	9/24	MW193	VOCs; TAL Metals		1.28	2.5	2	6.32	0.160	18.5	5.98	851	Bailed	Dewatered at 2.5 gals
20	9/24	MW203	VOCs; SVOCs; TAL Metals	Dup, MSMSD (SVOCs only)	2.25	10.0	6	6.64	0.198	18.7	7.30	60.6	Bailed	
21	9/27	MW213	VOCs; SVOCs; TAL Metals; NH_3-N, Cl, NO_3/NO_2, SO_4, TOC	Split	2.29	6.9	3	6.12	0.195	18.2	5.99	145	Bailed	
22	9/25	MW223	VOCs; SVOCs; TAL Metals; NH_3-N, Cl, NO_3/NO_2, SO_4, TOC		1.63	4.87	3	6.33	0.414	18.4	5.37	814	Bailed	
23	9/26	MW233	VOCs; SVOCs; TAL Metals; NH_3-N, Cl, NO_3/NO_2, SO_4, TOC		7.0	14.0	2	7.20	0.700	18.1	9.53	142	Bailed	
24	9/24	MW243	VOCs; SVOCs; TAL Metals	MSMSD	1.6	4.9	3	5.74	0.206	18.2	9.40	1000	Bailed	Well slow to recharge
25	9/25	MW253	VOCs; SVOCs; TAL Metals		1.17	3.52	3	5.17	0.237	17.7	1.78	226	Bailed	
26	9/26	MW263	VOCs; TAL Metals		2.2	2.2	1	6.18	0.359	20.7	5.71	268	Bailed	Bailed dry at 2.5 gals
28	9/26	MW283	SVOCs; TAL Metals	Split	2.1	6.2	3	5.87	0.226	18.7	4.75	28.4	Bailed	
29	9/26	MW293	VOCs; SVOCs; TAL Metals		2.8	8.5	3	6.16	0.355	18.7	3.56	81	Bailed	
30	9/24	MW303	VOCs; SVOCs; TAL Metals; NH_3-N, Cl, NO_3/NO_2, SO_4, TOC		1.2	8.4	7	6.26	0.365	18.4	10.42	12.2	Pumped/Bailed	
31	9/23	MW313	VOCs; SVOCs; TAL Metals; NH_3-N, Cl, NO_3/NO_2, SO_4, TOC	Split	3.58	10.74	3	5.95	0.322	17.9	4.79	32.7	Pumped	
32	9/27	MW323	VOCs; TAL Metals; NH_3-N, Bicarbonate, Cl, F, Hardness, NO_3/NO_2, NO_3-N, SO_4, TDS, TOC		1.4	4.5	3	5.61	0.555	18.6	11.52	429.0	Bailed	
33	9/25	MW333	VOCs; TAL Metals		1.9	5.7	3	5.94	0.200	17.7	9.63	38.4	Pumped	
34	9/26	MW343	VOCs; SVOCs; TAL Metals; NH_3-N, Cl, NO_3/NO_2, SO_4, TOC	Dup (VOCs only)	3.3	20	6	6.07	0.180	20.6	10.86	18.8	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)	Temp (°C)	DO (mg/L)	Turbidity NTU	Sample Method	Comments
35	9/27	MW353	VOCs; SVOCs; TAL Metals; NH_3-N, Cl, NO_3/NO_2, SO_4, TOC	Dup; MSMSD	2.97	8.9	3	6.06	0.243.	22.0	10.82	16.4	Pumped	
36	9/24	MW363	VOCs; SVOCs; TAL Metals	Dup (Metals only)	9.86	69.0	7	7.72	0.153	18.2	10.46	114	Bailed	
37	9/28	MW373	None		7.8	23.3	3	6.40	0.300	20.2	9.81	105	Pumped/Bailed	
38	9/25	MW383	VOCs; SVOCs; TAL Metals	Dup; MSMSD	3.15	9.46	3	6.26	0.153	17.7	4.83	30.8	Bailed	
39	9/26	MW393	VOCs, SVOCs, TAL Metals	Dup (metals only)	1.97	5.93	3	6.25	0.298	18.2	5.42	79.4	Bailed	
40	9/25	MW403	VOCs; TAL Metals; NH_3-N, NO_3/NO_2, TOC, Cl, SO_4		2.4	7.5	4	6.20	0.628	18.1	9.38	4.53	Bailed	
41	9/27	MW413	VOCs, TAL Metals		0.37	1.1	3					50	N/A	Very slow to recharge. Water Quality was not collected during sampling.
42	9/27	MW423	VOCs; TAL Metals	Dup (Metals only)	0.87	2.6	3	5.79	0.168	18.3	10.23	68	Bailed	
44	9/25	MW443	VOCs; SVOCs; TAL Metals	Dup; MSMSD (VOCs only)	3.9	11.7	4	6.01	0.238	17.5	9.84	111	Bailed	
45	9/25	MW453	VOCs; SVOCs; TAL Metals	Dup (VOCs only)	2.4	4.8	3	6.12	0.293	19.1	9.30	23.9	Bailed	
46	9/23	MW463	VOCs; SVOCs; TAL Metals		3.15	9.5	3	5.92	0.238	18.6	4.58	38.3	Bailed	
47	9/26	MW473	VOCs; SVOCs; TAL Metals; NH_3-N, NO_3/NO_2, TOC, Cl, SO_4		3.28	13	5	6.30	0.341	18.4	5.34	592	Bailed	
48	9/25	MW483	VOCs; SVOCs; TAL Metals; NH_3-N, NO_3/NO_2, TOC, Cl, SO_4		4.4	22	5	6.27	0.227	19.3	10.13	9.8	Pumped	
49	9/24	MW493	VOCs; SVOCs; TAL Metals		2.2	6.5	3	5.83	0.196	18.2	9.99	158	Pumped	
50	9/24	MW503	VOCs; SVOCs; TAL Metals		7.1	21.2	3	5.99	0.433	20.0	9.26	8	Bailed	
51	9/27	MW513	VOCs; SVOCs; TAL Metals		5.01	15.4	3	6.04	0.274	18.6	5.75	294	Bailed	
52	9/24	MW523	VOCs; SVOCs; TAL Metals		3.1	12.25	4	6.02	0.439	18.4	9.63	7	Bailed	
53	9/26	MW533	VOCs; SVOCs; TAL Metals		3.2	16.0	5	6.12	0.454	20.0	9.61	10.8	Pumped	
54	9/25	MW543	VOCs; SVOCs; TAL Metals	Dup (SVOCs only)	4.3	12.8	4	6.11	0.178	17.8	10.02	161	Bailed	
55	9/25	MW553	VOCs; SVOCs; TAL Metals; Biocarbnate, Cl, F, Hardness, NO_3-N, SO_4, TDS		0.83	5	6	5.90	0.234	18.3	9.30	452	Bailed	

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)

3.0 Groundwater Sampling Results

3.1 Groundwater Elevations and Gradients

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, and MW-31. North of this line, groundwater appears to flow west and northwest toward MW-40. South of this line groundwater appears to flow west-southwest toward a groundwater low centered in the vicinity of MW-34. The magnitude of groundwater gradients in this region of the facility range between approximately 0.0039 foot/foot and 0.105 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 7.74 feet/day assuming the following parameters:

- hydraulic gradient = 0.105 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, and groundwater in the southwest portion of the study area apparently flows northeast toward the low. A localized groundwater high is apparent in the vicinity of MW-55. The magnitude of groundwater gradients underlying the Main Installation range between approximately 0.0028 foot/foot and 0.135 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 9.94 feet/day assuming the following parameters:

- hydraulic gradient = 0.135 foot/foot
- hydraulic conductivity = 22.11 feet/day (based on the average hydraulic conductivity for the Fluvial Aquifer reported in the *GCDR*)
- effective porosity = 0.3

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

Comparison of groundwater elevation measurements recorded during the September 1997 sampling event with groundwater elevations recorded during the previous groundwater sampling event in June 1996 indicates the following:

- Groundwater underlying Dunn Field was on average 0.58 foot lower in September 1997 than in June 1997.
- The maximum difference in groundwater elevation at Dunn Field was observed in MW-37, where the groundwater elevation recorded was 7.34 feet lower in September 1997 compared to the June 1997 data.
- Groundwater elevations underlying the Main Installation were on average 0.35 foot higher in September 1997 than in June 1997.
- The maximum difference in groundwater elevation at the Main Installation was observed at MW-38, where the groundwater elevation recorded was 1.16 feet lower in September 1997 compared to the June 1997 data.

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

3.2 Groundwater Chemical Results

Numerous VOCs and metals were reported in the groundwater samples collected from the Fluvial Aquifer. Table 3-2 summarizes the analytical results for the groundwater samples collected during the September 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 September 1997 samples. This data quality assessment is presented in Appendix A.

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

Five man-made VOCs were identified in the *GCDR* as the primary chemical constituents of concern at the DDMT facility. The spatial distributions of these constituents from the September 1997 quarterly sampling event are discussed in detail. The concentrations of the detected VOCs and metals from the September 1997 sampling event were also evaluated as a group to assess how their concentrations and distributions varied with time and location. Data reported for 1989 and 1990 were taken from the *Remedial Investigation at DDMT* (Law, 1990); data for 1993 were taken from the *Groundwater Monitoring Results at DDMT* (Environmental Science and Engineering [ESE], 1994); 1996 water quality data were taken from the *GCDR*; and the June 1997 data were taken from the second quarter *Quarterly Groundwater Monitoring Report* (CH2M HILL, 1997). These data were compared to the September 1997 groundwater quality results to perform a trend analysis of select organic and inorganic constituents. Well-specific groundwater analytical data are included in Appendix B.

3.2.1 Distribution of Organic Constituents

Figures 3-2 through 3-6 show the aerial distributions and concentrations of VOCs at DDMT. The VOCs depicted in these figures were identified during the *GCDR* as the primary constituents of concern. In general, the specific chemical constituents and spatial distributions reported during this quarterly sampling event were consistent with those previously reported at DDMT. The concentration of VOCs varied across the site from a low of 1 microgram per liter (μg/L) to a high of 3,800 μg/L (TCE at MW-12). Similar to concentrations noted in the *GCDR*, the highest concentrations of VOCs were detected within the northwest corner of Dunn Field.

1,1-Dichloroethene (1,1-DCE). 1,1-DCE was reported in nine wells during the September 1997 quarterly sampling event. Figure 3-2 shows the distribution of 1,1-DCE. This compound was reported in seven wells located along the northern portion of Dunn Field and in two off-site wells, MW-31 and MW-51. 1,1-DCE was not reported in any wells located on the Main Installation (see Figure 3-2). 1,1-DCE was reported in off-site well MW-45, where it had not been detected in samples collected during June 1997. The highest detection occurred in MW-10 (72 μg/L) located at the northwest boundary of Dunn Field. The concentrations of 1,1-DCE in the other monitoring wells were similar to those reported in the June 1997 for each respective well. Overall there was an increase in the concentrations observed in the September 1997 event over those observed in June 1997.

Tetrachloroethylene (PCE). The occurrence of PCE was widespread during the September 1997 quarterly sampling event, similar to what was reported in the last two events. PCE was reported in 25 wells located both on-site and off-site (see Figure 3-3). During this event PCE was reported in MW-54 (located off-site and west of Dunn Field) and MW-22 (located on the Main Installation), where it had not been detected in samples collected during the June 1997 event. Concentrations of PCE ranged from 1 μg/L to a high of 180 μg/L in MW-10. Overall there was an increase in the concentrations observed in September 1997 over those observed in June 1997. All of the wells with reportable levels exceeded the background and Proposed Remediation Goal (PRG) concentrations for this compound.

PCE was reported at four areas on DDMT, as shown in Figure 3-3. These areas were previously noted in the *Quarterly Groundwater Monitoring Report*, and except for increasing in size they have not changed significantly. The largest of the four plumes is centered on the western and northwestern boundary of Dunn Field. The first detection of PCE in well

MW-54 (25 µg/L) indicates that the plume has expanded to the west during this sampling event. The PCE concentration in MW-51 (located north of Dunn Field), the northernmost control well for the site, has slightly increased from 15 µg/L during the June sampling to 45 µg/L. However, both concentrations are estimated below the detection limit, so the comparison is an approximation. 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 main facility exhibited an apparent increase in size from the June 1997 to September 1997 sampling events. The slight increase in plume size is indicated by the PCE reported in well MW-22 during the September 1997 sampling; PCE was not reported in the June 1997 data from well MW-22. The magnitude of the plume in the southeast corner of the main facility has remained consistent from the June 1997 to September 1997 sampling events. Samples from wells MW-25 and MW-26 contained levels of PCE at 4 µg/L and 12 µg/L, respectively, in the June 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 (9 µg/L) at a concentration slightly above that detected in the June sampling event (6 µg/L). There are insufficient data to correlate the PCE reported in this well with concentrations from other wells on the facility.

Graphs of PCE concentration versus time for strategic wells were developed to assess whether temporal trends in concentration exist for this compound (see Figure 3-4). The data indicate increasing trends from February 1996 to June 1997 and from June 1997 to September 1997. The most recent data (September 1997) indicate an increase in PCE concentration in 16 samples and a decrease in 9 samples over the June 1997 data. Significant increases of PCE have occurred in off-site wells located to the north, northwest, and west of Dunn Field. During the period of June 1997 to September 1997, the most significant changes in PCE concentrations were observed in wells MW-12 (a 30 µg/L decline) and MW-10 (a 70 µg/L increase).

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

- When groundwater elevations increased, PCE concentrations increased in seven wells and decreased in six wells.
- When groundwater elevations decreased, PCE concentrations increased in three wells.

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

Trichloroethylene (TCE). TCE was reported in four separate locations at DDMT and was detected in 25 wells during the September 1997 quarterly sampling event. The distribution of TCE is generally consistent with the distribution described in the *Quarterly Groundwater Monitoring Report;* however, TCE was reported in four off-site locations (MW-31, MW-44, MW-51 and MW-54) during this quarterly sampling event, as opposed to only two locations (MW-51 and MW-54) during the June 1997 sampling event (see Figure 3-5). The concentrations of TCE ranged from 1 µg/L to a high of 3,800 µg/L at MW-12. All of the reported TCE concentrations exceeded the background concentrations, and with the exception of three reported concentrations, all exceeded both background and PRG concentrations.

The largest TCE plume encompasses the northwest and west boundaries of Dunn Field and extends off-site to the west, northwest and north of Dunn Field. Also, the plume continued to expand to the south, a trend that was noted in the *Quarterly Groundwater Monitoring Report*. The concentrations reported in MW-44 and MW-51 indicate that the plume configuration has expanded to the west and north to the edge of the current monitoring well network. A shift in the center of mass (MW-12) of the TCE plume, as suggested by the June 1997 data, is supported by the September 1997 data. Concentrations of TCE at wells MW-10, MW-12, MW-32 and MW-35 exhibited a drop from 450; 5,900; 78; and 160 µg/L, respectively (as reported in the June 1997 data) to 100; 3,800; 76; and 93 µg/L, respectively (as was reported in the September 1997 data). On the other hand, concentrations of TCE at MW-6, MW-15, MW-44, MW-54, MW-31, and MW-51 showed an increase between the June 1997 and September 1997 sampling events. In addition, low levels of TCE were detected in the September 1997 samples from MW-14 and MW-38, two wells in which no TCE was detected during the June 1997 sampling event.

Little change in the geometry of the other TCE plumes identified on the Main Installation was observed between the June 1997 and September 1997 data, with one notable exception: TCE was not detected in well MW-47 during the June 1997 sampling event, although it was present in this well during the February 1996 sampling.

Graphs of TCE concentration versus time for strategic wells were developed to assess whether temporal trends in concentration exist for this compound (Figure 3-4). The data indicate increasing trends from February 1996 to June 1997 and from June 1997 to September 1997. The most recent data (September 1997) indicate an increase in TCE concentration in 15 wells, a decrease in 8 wells, and no change in 2 wells, when compared to the June 1997 data. Overall, significant increases of TCE have been observed in off-site wells located to the north, northwest, and west of Dunn Field. During the period of June 1997 to September 1997, the most significant change in TCE concentrations were observed in wells MW-12 and MW-11; a 2,100 µg/L decline in TCE occurred in MW-12, and an increase of 202 µg/L was reported in sample MW-11.

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

- When groundwater elevations increased, TCE concentrations increased in four wells and decreased in ten wells.
- When groundwater elevations decreased, TCE concentrations increased in three wells.

There appear to be two meaningful trends: when groundwater elevations increase, TCE concentrations decrease, and conversely, when groundwater elevations decrease, TCE concentrations increase. This correlation should be further supported by additional groundwater data collected during the next scheduled sampling events.

1,1,2,2,-Tetrachloroethane (1,1,2,2-PCA). PCA was detected in samples collected from nine wells during the September 1997 sampling event (see Figure 3-6). These wells were located both on- and off-site. The plume delineated by these wells occurs on the western side of Dunn Field and extends off-site to the west. Again, the distribution of this plume is similar to that described in the *Quarterly Groundwater Monitoring Report*. The values of 1,1,2,2-PCA ranged from a low of 2 µg/L to a high of 480 µg/L in MW-12. All detected values exceeded both background and PRG concentrations.

In general, the 1,1,2,2-PCA concentration distributions reported in the September 1997 and June 1997 data are consistent. The exceptions include changes in the data collected from MW-2, MW-3 and MW-31. 1,1,2,2-PCA was not detected in MW-2 and MW-3 in September 1997; however, it was reported in the June 1997 data. The sample from well MW-31 indicated a concentration of 10 µg/L; however, 1,1,2,2-PCA was not reported in this well during the June 1997 sampling event. It should be noted that 1,1,2,2-PCA was detected at 420 µg/L in MW-31 during the February 1996 sampling event, indicating significant variability in the levels of this compound over time. The detection at MW-31 indicates a general increase in the plume size to the northwest, a trend exhibited by other detected VOCs during the September 1997 sampling event.

Graphs of 1,1,2,2-PCA concentration versus time for strategic wells were developed to assess whether temporal trends in concentration exist for this compound (Figure 3-4). The data indicate consistent and constant (neither increasing nor decreasing) trends from February 1996 to June 1997 and from June 1997 to September 1997. The most recent data (September 1997) indicate an increase in 1,1,2,2-PCA concentration in four samples and a decrease in three samples, when compared to the June 1997 data. Overall increases of 1,1,2,2-PCA have occurred in off-site wells located to the west of Dunn Field. During the period of June 1997 to September 1997, the most significant changes in 1,1,2,2-PCA concentrations were observed in wells MW-12 and MW-6; a 60 µg/L decline in 1,1,2,2-PCA was reported for MW-12 and an increase of 110 µg/L was reported for MW-6.

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

- When groundwater elevations increased, 1,1,2,2-PCA concentrations increased in two wells and decreased in two wells.
- No detectable concentrations of 1,1,2,2-PCA were reported in wells exhibiting decreasing groundwater elevations.

The correlation between 1,1,2,2-PCA concentration and groundwater elevations produced no meaningful trends. Additional groundwater quality and elevation data will be necessary to develop meaningful trends for this analyte.

Carbon Tetrachloride (C4). C4 has been observed in three areas at DDMT. One area is located along the western boundary of Dunn Field and extends off-site to the west. The other two areas are isolated; one centers around MW-9 (north of Dunn Field) and another centers around the region in the vicinity of MW-26 on the Main Installation (see Figure 3-7). The plume geometry described by the September 1997 groundwater data is consistent with the geometry described by the June 1997 and February 1996 data. Reportable concentrations of C4 ranged from a low of 1 µg/L to a high of 45 µg/L at MW-6. The most significant change from June 1997 to September 1997 in the C4 plume geometry has occurred to the north plume on Dunn Field, where two of the wells (MW-3 and MW-10) located within the plume in June 1997 no longer contained detectable concentrations of C4 in September 1997. This finding indicates that the size of the plume has diminished in this area. Other minor differences in the C4 plume that were noted when comparing the September 1997 data to the February 1996 data include the following:

- Low levels of C4 were detected in wells MW-25 and MW-54 (1 µg/L). The samples analyzed from these wells during the June 1996 sampling event did not contain detectable concentrations of C4.
- C4 was not detected in well MW-14, where during the June 1997 sampling event the compound had been reported at 1 µg/L.

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

Graphs of C4 concentration versus time were developed for strategic wells to assess whether temporal trends in concentration exist for this compound (Figure 3-4). The data indicates consistent and constant (neither increasing nor decreasing) trends from February 1996 to June 1997 and from June 1997 to September 1997. The most recent data (September 1997) indicate an increase in C4 concentration in four samples and a decrease in five samples, when compared to the June 1997 data. Overall, increases of C4 have occurred in samples from wells located along the west boundary of Dunn Field. During the period of June 1997 to September 1997, the most significant changes in C4 concentrations were reported in samples from wells MW-32 and MW-15; a 9 µg/L decline in C4 was reported for MW-32 and an increase of 15 µg/L was reported for MW-15.

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

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

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

3.2.2 Distribution of Inorganic Compounds

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

Beryllium. Beryllium was detected in samples collected from ten wells during the September 1997 sampling event: four located at Dunn Field and six on the Main Installation (see Figure 3-8). Reportable concentrations observed in these ten wells ranged from a low of 0.2J µg/L to a high of 5.9 µg/L at MW-20. All of the concentrations detected in these samples exceeded the PRG concentrations for this constituent.

Compared to previous sampling events, beryllium levels remained relatively constant and low. In contrast to the findings reported in the June 1997 sampling report, samples collected during September 1997 from wells MW-5, MW-7, MW-8, MW-9, MW-13, and MW-29 did not contain reportable levels of beryllium. Also, in September 1997 beryllium was detected in samples from wells MW-19, MW-20, MW-22, and MW-25, while samples from these wells collected during the June 1997 event did not contain beryllium at detectable levels.

Figure 3-9 is a graph depicting the concentration of beryllium versus time for strategic wells. The graph is useful for evaluating temporal trends for this constituent. Overall the data show consistent and low concentrations relative to the other detected metals. Analysis of the graph indicates a decreasing trend in concentration between the June 1997 and September 1997 sampling events. This decreasing trend is consistent with previous data; beryllium levels for the June 1997 sampling event were slightly higher than those from the February 1996 sampling event. The September 1997 data indicate that three fewer wells contained reportable concentrations of beryllium, five wells exhibited a decrease in beryllium levels, and one well exhibited an increase in beryllium when compared to the June 1997 data.

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

Chromium. Chromium was detected in samples from 23 wells located across the DDMT facility and off-site (see Figure 3-10). Ten of the detections occurred in samples from wells located on Dunn Field, nine in samples from wells located on the Main Installation, and four in samples from wells located off-site. Concentrations in these samples ranged from a low of 3 µg/L to a high of 147 µg/L in sample MW-20. Seven of the reported concentrations exceeded the proposed PRG value of 18.5 (Table 3-2). The highest concentrations of chromium in the September 1997 sampling were observed in the Main Installation wells, which represents a contrast to the June 1997 data. In June 1997, the highest concentrations of chromium were observed in the Dunn Field wells; the maximum concentration of 219 µg/L was reported in the sample from well MW-4. During the September 1997 sampling event, chromium was also detected in the sample from well MW-47 (68.6 µg/L) located off-site and south of the Main Installation.

Graphs of chromium concentration versus time for strategic wells were evaluated to determine temporal trends. Figure 3-9 depicts this relationship. Long-term trends indicate that chromium has been detected at the highest concentrations relative to the other metals.

Temporal changes in chromium concentrations indicate a general decreasing trend between the June 1997 and September 1997 sampling events. During the September sampling event, chromium levels decreased in samples from 17 wells and increased in samples from 14 wells, as compared to the June 1997 sampling event. The most significant changes in chromium concentration over the most recent sample period were an increase of 138.8 µg/L observed in MW-20 and a decrease of 195.8 µg/L observed in MW-4. Temporal trends prior to June 1997 show no consistent pattern, as chromium levels decreased between the 1993 and 1996 sampling events and increased between the February 1996 and June 1997 sampling events.

Because of the variability in the concentration of chromium versus time, meaningful seasonal trends are not apparent. Currently, a decreasing trend is apparent, which is consistent with other metals constituents. This trend, however, needs to be confirmed with additional data to be collected during the spring and summer of 1998.

Copper. Copper was detected in 21 wells across Dunn Field, the Main Installation area, and off-site to the west of Dunn Field and south of the Main Installation (see Figure 3-11). Seven detections occurred in samples from wells located on Dunn Field, nine occurred in samples from wells located on the Main Installation, and four occurred in samples from wells located off-site. Reportable concentrations in these wells ranged from 0.77 to 147 µg/L. The highest values of concentrations of copper were observed along the west boundary of the Main Installation in samples from wells MW-20 (147 µg/L) and MW-9 (31.8 µg/L). A significant copper concentration of 49.2 µg/L was also observed in the sample collected from MW-16 located on the northeast corner of the Main Installation. During the previous sampling event (June 1997), the highest copper concentration (135 µg/L) was observed in the sample from well MW-4 located on Dunn Field. None of the copper concentrations observed during this sampling event exceeded the PRG concentration of 135.05 g/L.

Graphs of copper concentration versus time for strategic wells were evaluated to determine temporal trends for this analyte. The graphical representation shown in Figure 3-9 indicates that copper was detected at lower concentrations than was chromium. The 1993 values were either similar to or slightly higher than the 1990 values. For the period between 1993 and 1996, an overall decline in the copper concentrations was observed. The most recent data indicate a general decreasing trend in copper concentrations when compared to the June 1997 data. Over this same period, the most significant changes in copper concentrations were a 138.8 µg/L increase reported in well MW-20 and a 121.5 µg/L decrease reported in MW-4.

Temporal trends prior to June 1997 are not consistent, as copper levels decreased between the 1993 and 1996 sampling events and increased between the February 1996 and June 1997 events. Because of the variability in the concentration of copper over time, meaningful seasonal trends are not apparent. Currently, a decreasing trend is apparent; however, this trend needs to be confirmed with additional data. Data collection during the spring and summer of 1998 is recommended.

Lead. Lead was detected in 36 samples from wells located throughout Dunn Field, the Main Installation, and off-site areas (see Figure 3-12). Eleven detections occurred in samples from wells located on Dunn Field, 13 detections occurred in samples from wells located on the Main Installation, and eight detections were reported in samples from off-site wells. Concentrations in these samples ranged from 1 µg/L to 111 µg/L; the high was reported in sample MW-20. The lead concentrations in samples from eight wells exceeded the background concentration of 9.4 µg/L, and the samples from two wells exceeded the PRG concentration of 15 µg/L. In general, the highest lead concentrations were reported in samples from wells located along the west boundary of the Main Installation. No samples from off-site wells had concentrations that exceeded the PRG or background concentrations during the September 1997 sampling event.

Graphs of lead concentration versus time for strategic wells were evaluated to determine temporal trends for this analyte. The graphical representation shown in Figure 3-9 indicates that lead was detected at lower concentrations than chromium and copper. There also has been a generally decreasing trend of lead concentrations; the 1990 levels were the highest, 1993 levels were intermediate, and the 1996 levels were the lowest. The most recent data indicate a general decreasing trend in lead concentration between the June 1997 and September 1997 sampling events. During the period from June 1997 to September 1997, lead concentrations decreased in 31 samples and increased in 14 samples. Over this same period, the most significant changes in lead concentrations were an increase of 103.9 µg/L reported in sample MW-20, and a decrease of 111.7 µg/L reported in sample MW-4.

Nickel. Nickel was detected in samples from 20 wells located throughout Dunn Field, the Main Installation, and off-site areas (see Figure 3-13). Nine detections occurred in samples from wells located on Dunn Field, eight detections occurred in samples from wells located on the Main Installation, and three detections occurred in samples from wells located off-site. Concentrations in the samples from these wells ranged from 1.3 µg/L to 68.7 µg/L; the high was reported in sample MW-20. The concentration in the sample from well MW-28 exceeded the background and PRG concentrations of 31.4 µg/L and 13.4 µg/L, respectively. In general, the highest nickel concentrations were reported in samples from wells collected along the west boundary of the Main Installation. No samples from off-site wells had concentrations that exceeded the PRG or background concentrations during the September 1997 sampling event.

Graphs of nickel concentration versus time for strategic wells were evaluated to determine temporal trends for this analyte. The graphical representation shown in Figure 3-9 indicates that nickel was detected at lower concentrations than chromium, copper and lead. There has been a generally decreasing trend in nickel concentrations; of the pre-1997 sampling events, the 1990 levels were the highest, 1993 levels were intermediate, and the 1996 levels were the lowest. The most recent data indicate a continuation of this decreasing trend in lead concentration between the June 1997 and September 1997 sampling events. During the period from June 1997 to September 1997, lead concentrations decreased in 16 samples and increased in 12 samples. Over this same period, the most significant changes in nickel concentrations were an increase of 60.9 µg/L reported in well MW-20, and a decrease of 85.2 µg/L reported in well MW-4.

3.2.3 The Impact of Turbidity on Metals Concentrations

During the September 1997 sampling event, turbidity measurements were made with a bench scale turbidity meter. The turbidity measurements were then plotted against metal concentrations to determine whether a statistically significant relationship between these two parameters exists. Table 3-4 and Figure 3-14 present the effect of groundwater sample turbidity on total metal concentrations.

The data indicate that the metal concentration to turbidity correlation coefficients are poor, with an average correlation coefficient of 0.13. A correlation coefficient of zero would indicate that the magnitude of the metal concentrations is not linearly dependent on the magnitude of turbidity. Values of positive or negative one indicate a perfect direct and inverse linear relationship between concentration and turbidity, respectively. Intermediate values indicate a less than perfect correlation. The correlation coefficients for five indicator analytes (beryllium, chromium, copper, lead, and nickel) ranged between 0.13 for copper to 0.28 for chromium. Overall, correlation coefficients suggest that sample metals concentrations are not linearly dependent on the magnitude of turbidity.

The February 1996 data presented in the *GCDR* showed an ambiguous relationship between turbidity and the concentration of metals in the individual samples. The June 1997 sampling event indicated an overall positive relationship between sample turbidity and concentration based on the average linear correlation coefficient of 0.32. Based on the current data, no meaningful long-term trend has been established regarding the relationship between sample turbidity and metals concentrations.

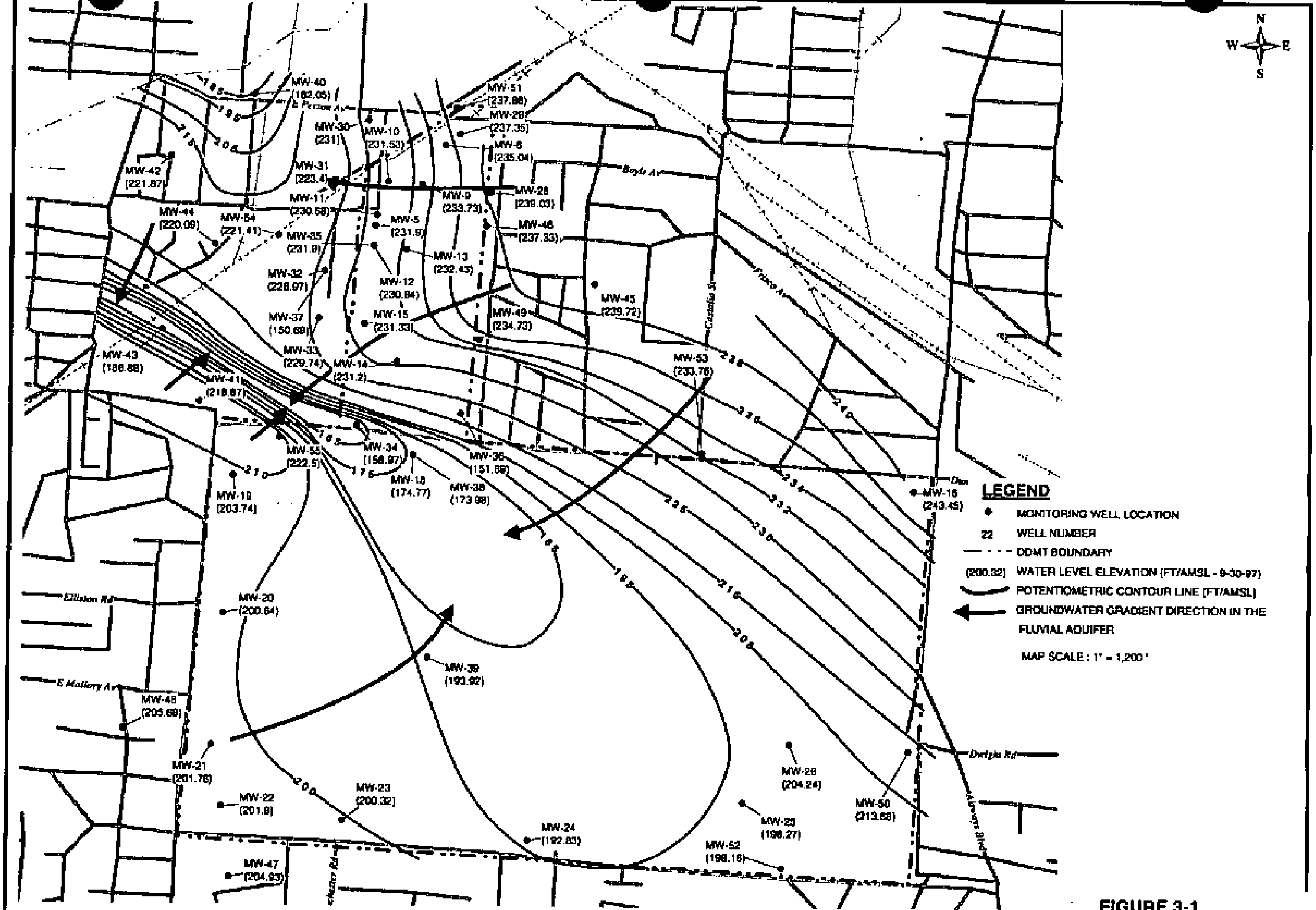

FIGURE 3-1
POTENTIOMENTRIC SURFACE MAP
SEPTEMBER 30, 1997
Defense Distribution Depot Memphis, Tennessee

CH2MHILL ®

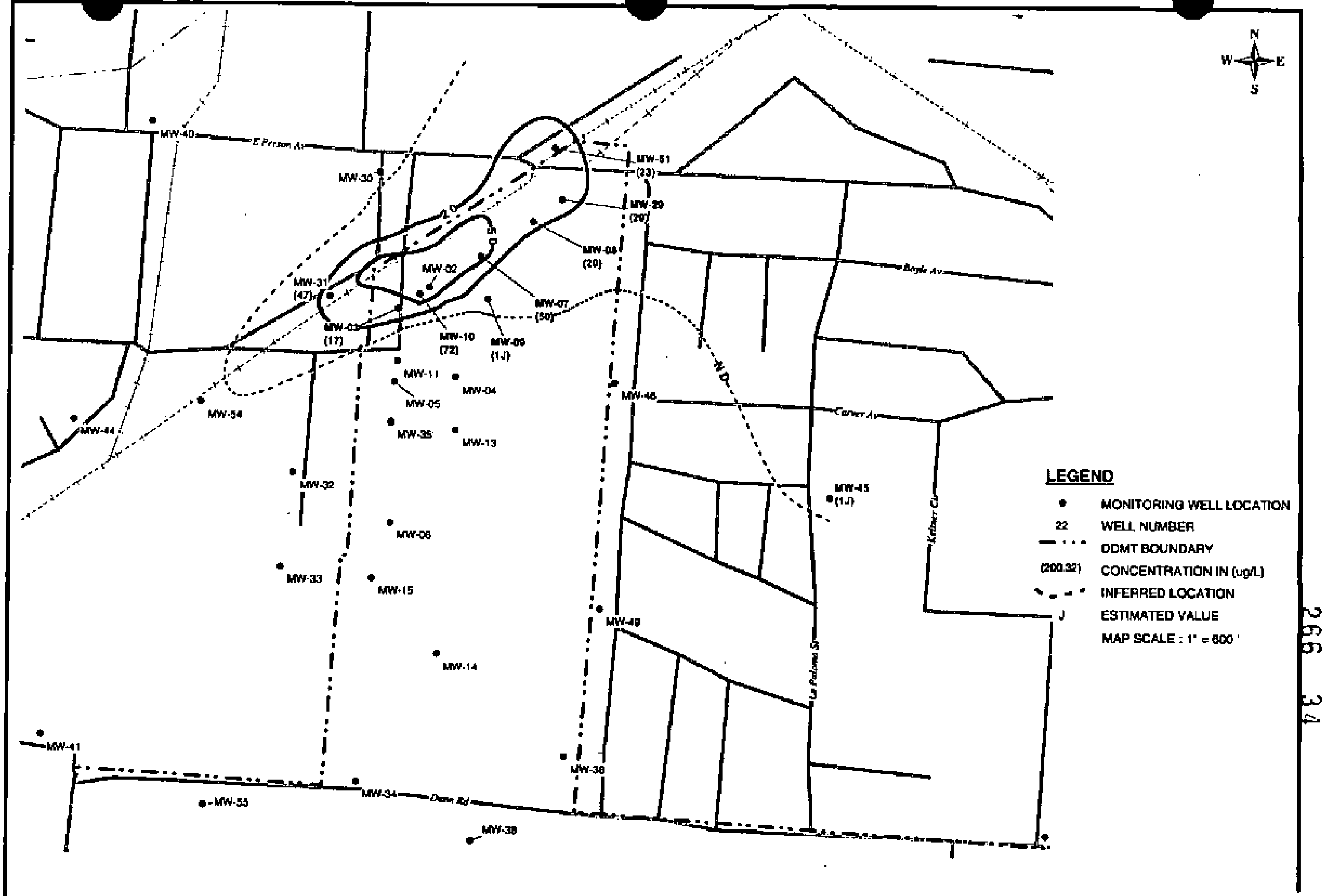

FIGURE 3-2
1,1 DICHLOROETHENE (DCE) CONCENTRATION IN FLUVIAL AQUIFER - SEPTEMBER 1997
Defense Distribution Depot Memphis, Tennessee

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 (ft msl)	TOC Elevation (ft msl)	GW Elevation (ft msl)	Top of Confining Layer Elevation (ft msl)	Comments
MW2	na	28.65	na	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	na	
MW3	na	61.89	na	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	na	
MW4	na	79.23	na	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	na	
MW5	na	74.06	na	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	na	
MW6	na	57.81	na	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	na	
MW7	na	83.01	na	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	na	
MW8	na	57.70	na	292.74	NOT AVAILABLE	235.04	na	
MW9	na	70.93	na	304.66	NOT AVAILABLE	233.73	na	Replaced cap
MW10	na	57.43	na	288.96	NOT AVAILABLE	231.53	na	
MW11	na	68.91	na	299.59	NOT AVAILABLE	230.68	na	
MW12	na	70.56	na	301.40	NOT AVAILABLE	230.84	na	Replaced cap
MW13	na	67.52	na	299.95	NOT AVAILABLE	232.43	na	
MW14	na	71.24	79.50	302.44	NOT AVAILABLE	231.20	222.94	
MW15	na	63.90	na	295.23	NOT AVAILABLE	231.33	na	
MW16	na	56.74	75.00	300.19	NOT AVAILABLE	243.45	225.19	
MW17	na	na	94.00	316.18	NOT AVAILABLE	na	222.18	
MW18	na	133.48	na	308.25	NOT AVAILABLE	174.77	na	
MW19	na	87.12	90.00	290.86	NOT AVAILABLE	203.74	200.86	
MW20	na	84.55	na	285.19	NOT AVAILABLE	200.64	na	
MW21	na	93.35	na	295.11	NOT AVAILABLE	201.76	na	
MW22	na	96.16	na	298.06	NOT AVAILABLE	201.90	na	
MW23	na	98.72	na	299.04	NOT AVAILABLE	200.32	na	
MW24	na	106.74	114.70	299.57	NOT AVAILABLE	192.83	184.87	
MW25	na	72.04	80.70	270.31	NOT AVAILABLE	198.27	189.61	
MW26	na	99.44	110.00	303.68	NOT AVAILABLE	204.24	193.68	
MW27	na	na	96.00	304.19	NOT AVAILABLE	na	208.19	
MW28	na	55.86	80.00	294.89	NOT AVAILABLE	239.03	214.89	
MW29	na	36.00	na	273.35	NOT AVAILABLE	237.35	na	
MW30	na	42.93	66.00	273.93	NOT AVAILABLE	231.00	207.93	
MW31	na	63.98	76.30	287.38	NOT AVAILABLE	223.40	211.08	
MW32	na	58.45	66.50	285.42	NOT AVAILABLE	226.97	218.92	
MW33	na	47.78	60.00	277.52	NOT AVAILABLE	229.74	217.52	
MW34	na	141.81	158.30	300.78	NOT AVAILABLE	158.97	142.48	
MW35	na	69.71	90.50	301.65	NOT AVAILABLE	231.94	211.15	
MW36	na	159.46	90.00	311.15	NOT AVAILABLE	151.69	221.15	
MW37	na	134.76	70.00	285.45	NOT AVAILABLE	150.69	215.45	
MW38	na	134.38	155.00	308.36	NOT AVAILABLE	173.98	153.36	
MW39	na	102.50	na	296.42	NOT AVAILABLE	193.92	na	
MW40	O	80.20	95.00	262.40	262.25	182.05	167.40	
MW41	K	64.94	67.00	283.90	283.81	218.87	216.90	
MW42	N	53.00	59.00	275.10	274.87	221.87	216.10	
MW43	L	98.35	na	285.50	285.23	186.88	na	
MW44	M	48.98	78.00	269.40	269.07	220.09	191.40	
MW45	C	53.09	70.00	293.10	292.81	239.72	223.10	
MW46	B	50.23	73.00	287.90	287.56	237.33	214.90	
MW47	H	101.46	120.00	306.70	306.39	204.93	186.70	
MW48	I	78.80	94.50	284.70	284.49	205.69	190.20	
MW49	D	75.76	90.00	310.70	310.49	234.73	220.70	
MW50	F	85.10	125.00	299.30	298.78	213.68	174.30	
MW51	A	37.38	64.50	275.50	275.24	237.86	211.00	
MW52	G	80.03	104.00	279.50	278.19	198.16	175.50	
MW53	E	72.62	83.00	306.70	306.38	233.76	223.70	
MW54	J	73.95	95.00	295.50	295.38	221.41	200.50	
MW55	U	69.55	75.00	292.40	292.05	222.50	217.40	
PW1	na	na	na	na	na	na	na	
PW2	na	na	na	na	na	na	na	
PW3	na	na	na	na	na	na	na	
STB-6	na	na	75.00	287.32	na	na	212.32	
STB-7	na	na	70.00	287.81	na	na	217.81	
STB-8	na	na	95.00	298.51	na	na	203.51	
STB-12	na	na	104.00		na	na	-104.00	

Notes:
All measurements collected from top of inner casing.
Water levels collected September 30, 1997.
DTW = Depth to water surface
TOC = Top of casing
GW = Groundwater
ft msl = Feet above mean sea level
na = not applicable

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

Parameter	Well #	Concentration (µg/L)	Data Qualifier	PRG (µg/L)	PRG Basis	Background (µg/L)	Background Basis
1,1,1-TRICHLOROETHANE	MW03	1	J	164.25	S	1	MAX_DET
	MW07	2	J	164.25	S	1	MAX_DET
	MW08	2	J	164.25	S	1	MAX_DET
	MW10	4	J	164.25	S	1	MAX_DET
	MW29	7	J	164.25	S	1	MAX_DET
	MW31	2	J	164.25	S	1	MAX_DET
	MW51	2	J	164.25	S	1	MAX_DET
1,1,2,2-TETRACHLOROETHANE	MW08	220	=	0.21	C	NA	NA
	MW10	2	J	0.21	C	NA	NA
	MW11	49	=	0.21	C	NA	NA
	MW12	480	=	0.21	C	NA	NA
	MW31	10	J	0.21	C	NA	NA
	MW32	110	=	0.21	C	NA	NA
	MW35	5	J	0.21	C	NA	NA
1,1,2-TRICHLOROETHANE	MW08	9	J	0.60	S	NA	NA
	MW32	5	J	0.60	S	NA	NA
1,1-DICHLOROETHANE	MW07	2	J	182.50	S	NA	NA
	MW08	1	J	182.50	S	NA	NA
	MW10	3	J	182.50	S	NA	NA
	MW29	2	J	182.50	S	NA	NA
1,1-DICHLOROETHENE	MW03	17	=	NA	NA	NA	NA
	MW07	50	=	NA	NA	NA	NA
	MW08	20	=	NA	NA	NA	NA
	MW09	1	J	NA	NA	NA	NA
	MW10	72	=	NA	NA	NA	NA
	MW29	29	=	NA	NA	NA	NA
	MW31	47	=	NA	NA	NA	NA
	MW45	1	J	NA	NA	NA	NA
	MW51	23	=	NA	NA	NA	NA
1-BROMO-4-FLUOROBENZENE	MW02	112					
(4-BROMOFLUOROBENZENE)	MW03	113					
	MW04	109					
	MW05	96					
	MW06	104					
	MW07	114					
	MW08	108					
	MW09	108					
	MW10	113					
	MW11	103					
	MW12	100					
	MW13	109					
	MW14	101					
	MW15	109					
	MW16	100					
	MW19	100					
	MW20	109					
	MW21	113					
	MW22	110					
	MW23	107					
	MW24	101					
	MW25	106					
	MW26	106					
	MW29	108					
	MW30	104					
	MW31	104					
	MW32	114					
	MW33	106					
	MW34	109					
	MW35	102					
	MW36	99					
	MW37	103					
	MW38	110					
	MW39	111					
	MW40	110					
	MW41	114					
	MW42	113					
	MW44	103					
	MW45	108					
	MW46	108					
	MW47	109					
	MW48	105					
	MW49	102					

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

Parameter	Well #	Concentration (µg/L)	Data Qualifier	PRG (µg/L)	PRG Basis	Background (µg/L)	Background Basis
	MW50	101					
	MW51	111					
	MW52	104					
	MW53	107					
	MW54	105					
	MW55	108					
1,2-DICHLOROETHANE	MW10	2	J	NA	NA	NA	NA
1,2-DICHLOROETHENE (TOTAL)	MW05	2	J	NA	NA	NA	NA
	MW06	380	=	NA	NA	NA	NA
	MW10	10	=	NA	NA	NA	NA
	MW11	200	=	NA	NA	NA	NA
	MW12	220	J	NA	NA	NA	NA
	MW15	12	J	NA	NA	NA	NA
	MW31	140	=	NA	NA	NA	NA
	MW32	88	=	NA	NA	NA	NA
	MW35	4	J	NA	NA	NA	NA
	MW44	2	J	NA	NA	NA	NA
	MW47	8	J	NA	NA	NA	NA
	MW54	10	=	NA	NA	NA	NA
2-BUTANONE	MW14	2	J	NA	NA	NA	NA
	MW16	2	J	NA	NA	NA	NA
2,4,6-Tribromophenol	MW05	73					
	MW06	80					
	MW07	76					
	MW08	70					
	MW13	84					
	MW14	66					
	MW16	70					
	MW20	73					
	MW21	75					
	MW22	81					
	MW23	19					
	MW24	75					
	MW25	56					
	MW28	70					
	MW29	74					
	MW30	79					
	MW31	65					
	MW34	76					
	MW35	60					
	MW36	54					
	MW37	78					
	MW38	64					
	MW39	83					
	MW44	75					
	MW45	76					
	MW46	68					
	MW47	86					
	MW48	62					
	MW49	71					
	MW50	65					
	MW51	10					
	MW52	72					
	MW53	66					
	MW54	69					
	MW55	67					
2-Fluorobiphenyl	MW05	69					
	MW06	73					
	MW07	71					
	MW08	74					
	MW13	97					
	MW14	76					
	MW16	75					
	MW20	85					
	MW21	66					
	MW22	76					
	MW23	56					
	MW24	78					
	MW25	69					
	MW28	76					
	MW29	72					
	MW30	81					

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

Parameter	Well #	Concentration (µg/L)	Data Qualifier	PRG (µg/L)	PRG Basis	Background (µg/L)	Background Basis
	MW31	67					
	MW34	71					
	MW35	80					
	MW36	80					
	MW37	73					
	MW38	73					
	MW39	85					
	MW44	73					
	MW45	75					
	MW46	79					
	MW47	79					
	MW48	67					
	MW49	74					
	MW50	54					
	MW51	68					
	MW52	71					
	MW53	74					
	MW54	76					
	MW55	69					
2-Fluorophenol	MW05	68					
	MW06	68					
	MW07	69					
	MW08	59					
	MW13	67					
	MW14	65					
	MW16	60					
	MW20	75					
	MW21	62					
	MW22	64					
	MW23	36					
	MW24	65					
	MW25	44					
	MW28	64					
	MW29	77					
	MW30	73					
	MW31	62					
	MW34	78					
	MW35	56					
	MW36	62					
	MW37	59					
	MW38	51					
	MW39	82					
	MW44	65					
	MW45	68					
	MW46	64					
	MW47	82					
	MW48	59					
	MW49	62					
	MW50	43					
	MW51	42					
	MW52	61					
	MW53	65					
	MW54	67					
	MW55	53					
ALUMINUM	MW02	15600	J	NA	NA	1798	2XMEAN
	MW03	6910	=	NA	NA	1798	2XMEAN
	MW04	8850	J	NA	NA	1798	2XMEAN
	MW06	1480	=	NA	NA	1798	2XMEAN
	MW07	358	=	NA	NA	1798	2XMEAN
	MW08	982	J	NA	NA	1798	2XMEAN
	MW09	683	J	NA	NA	1798	2XMEAN
	MW10	215	J	NA	NA	1798	2XMEAN
	MW11	156	J	NA	NA	1798	2XMEAN
	MW12	101	J	NA	NA	1798	2XMEAN
	MW13	109	J	NA	NA	1798	2XMEAN
	MW14	14200	J	NA	NA	1798	2XMEAN
	MW15	12000	J	NA	NA	1798	2XMEAN
	MW16	1380	J	NA	NA	1798	2XMEAN
	MW19	15100	J	NA	NA	1798	2XMEAN
	MW20	126000	J	NA	NA	1798	2XMEAN
	MW21	3840	=	NA	NA	1798	2XMEAN
	MW22	7910	J	NA	NA	1798	2XMEAN

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

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Parameter	Well #	Concentration (µg/L)	Data Qualifier	PRG (µg/L)	PRG Basis	Background (µg/L)	Background Basis
	MW23	471	J	NA	NA	1798	2XMEAN
	MW24	9190	J	NA	NA	1798	2XMEAN
	MW25	7230	J	NA	NA	1798	2XMEAN
	MW26	3390	J	NA	NA	1798	2XMEAN
	MW28	5210	J	NA	NA	1798	2XMEAN
	MW29	2110	J	NA	NA	1798	2XMEAN
	MW30	314	J	NA	NA	1798	2XMEAN
	MW31	130	J	NA	NA	1798	2XMEAN
	MW32	2020	=	NA	NA	1798	2XMEAN
	MW33	585	J	NA	NA	1798	2XMEAN
	MW34	162	J	NA	NA	1798	2XMEAN
	MW36	439	J	NA	NA	1798	2XMEAN
	MW37	352	=	NA	NA	1798	2XMEAN
	MW38	562	J	NA	NA	1798	2XMEAN
	MW39	1730	J	NA	NA	1798	2XMEAN
	MW44	3930	J	NA	NA	1798	2XMEAN
	MW45	234	J	NA	NA	1798	2XMEAN
	MW46	746	J	NA	NA	1798	2XMEAN
	MW47	4790	J	NA	NA	1798	2XMEAN
	MW48	116	J	NA	NA	1798	2XMEAN
	MW49	3620	J	NA	NA	1798	2XMEAN
	MW50	675	J	NA	NA	1798	2XMEAN
	MW51	4750	=	NA	NA	1798	2XMEAN
	MW52	216	J	NA	NA	1798	2XMEAN
	MW54	1980	J	NA	NA	1798	2XMEAN
	MW55	2220	J	NA	NA	1798	2XMEAN
AMMONIA-NITROGEN	MW40	2.6	=	NA	NA	NA	NA
ARSENIC	MW04	9.1	J	0.05	C	NA	NA
	MW15	11	=	0.05	C	NA	NA
	MW19	14.4	=	0.05	C	NA	NA
	MW20	80.5	=	0.05	C	NA	NA
	MW22	2.5	J	0.05	C	NA	NA
	MW44	37.4	=	0.05	C	NA	NA
	MW52	9.7	=	0.05	C	NA	NA
BARIUM	MW02	173	J	255.50	S	223.8	2XMEAN
	MW03	133	J	255.50	S	223.8	2XMEAN
	MW04	74	J	255.50	S	223.8	2XMEAN
	MW05	59.2	J	255.50	S	223.8	2XMEAN
	MW06	383	=	255.50	S	223.8	2XMEAN
	MW07	75.9	J	255.50	S	223.8	2XMEAN
	MW08	83.9	J	255.50	S	223.8	2XMEAN
	MW09	83.6	J	255.50	S	223.8	2XMEAN
	MW10	102	J	255.50	S	223.8	2XMEAN
	MW11	65.5	J	255.50	S	223.8	2XMEAN
	MW12	52.9	J	255.50	S	223.8	2XMEAN
	MW13	37.6	J	255.50	S	223.8	2XMEAN
	MW14	253	J	255.50	S	223.8	2XMEAN
	MW15	130	J	255.50	S	223.8	2XMEAN
	MW16	53	=	255.50	S	223.8	2XMEAN
	MW19	219	=	255.50	S	223.8	2XMEAN
	MW20	393	=	255.50	S	223.8	2XMEAN
	MW21	60.7	J	255.50	S	223.8	2XMEAN
	MW22	123	=	255.50	S	223.8	2XMEAN
	MW23	30.9	J	255.50	S	223.8	2XMEAN
	MW24	86.2	=	255.50	S	223.8	2XMEAN
	MW25	167	=	255.50	S	223.8	2XMEAN
	MW26	215	=	255.50	S	223.8	2XMEAN
	MW28	91.1	=	255.50	S	223.8	2XMEAN
	MW29	109	J	255.50	S	223.8	2XMEAN
	MW30	133	=	255.50	S	223.8	2XMEAN
	MW31	130	=	255.50	S	223.8	2XMEAN
	MW32	183	J	255.50	S	223.8	2XMEAN
	MW33	59.6	=	255.50	S	223.8	2XMEAN
	MW34	129	J	255.50	S	223.8	2XMEAN
	MW35	119	J	255.50	S	223.8	2XMEAN
	MW36	49.8	=	255.50	S	223.8	2XMEAN
	MW37	693	=	255.50	S	223.8	2XMEAN
	MW38	58.1	=	255.50	S	223.8	2XMEAN
	MW39	79	J	255.50	S	223.8	2XMEAN
	MW40	345	=	255.50	S	223.8	2XMEAN
	MW44	66	=	255.50	S	223.8	2XMEAN
	MW45	72.4	=	255.50	S	223.8	2XMEAN

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

Parameter	Well #	Concentration (µg/L)	Data Qualifier	PRG (µg/L)	PRG Basis	Background (µg/L)	Background Basis
	MW46	62.8	=	255.50	S	223.8	2XMEAN
	MW47	124	J	255.50	S	223.8	2XMEAN
	MW48	89	=	255.50	S	223.8	2XMEAN
	MW49	43.2	=	255.50	S	223.8	2XMEAN
	MW50	152	=	255.50	S	223.8	2XMEAN
	MW51	89.7	J	255.50	S	223.8	2XMEAN
	MW52	119	=	255.50	S	223.8	2XMEAN
	MW53	68.1	J	255.50	S	223.8	2XMEAN
	MW54	107	=	255.50	S	223.8	2XMEAN
	MW55	66.7	=	255.50	S	223.8	2XMEAN
BENZO(g,h,i)PERYLENE	MW50	1	J	NA	NA	NA	NA
BERYLLIUM	MW03	1	J	0.004	C	.6	2XMEAN
	MW04	1.3	J	0.004	C	.6	2XMEAN
	MW14	0.99	J	0.004	C	.6	2XMEAN
	MW15	0.69	J	0.004	C	.6	2XMEAN
	MW19	0.61	J	0.004	C	.6	2XMEAN
	MW20	5.9	=	0.004	C	.6	2XMEAN
	MW22	0.2	J	0.004	C	.6	2XMEAN
	MW24	1.7	J	0.004	C	.6	2XMEAN
	MW25	0.21	J	0.004	C	.6	2XMEAN
	MW26	0.28	J	0.004	C	.6	2XMEAN
BICARBONATE	MW32	38	=	NA	NA	NA	NA
	MW35	54	=	NA	NA	NA	NA
	MW37	9	=	NA	NA	NA	NA
	MW55	42	=	NA	NA	NA	NA
CADMIUM	MW02	1.1	J	1.83	S	NA	NA
	MW06	0.73	J	1.83	S	NA	NA
	MW09	4.1	J	1.83	S	NA	NA
	MW10	1	J	1.83	S	NA	NA
	MW11	0.42	J	1.83	S	NA	NA
	MW13	1.3	J	1.83	S	NA	NA
	MW14	13.5	=	1.83	S	NA	NA
	MW15	0.16	J	1.83	S	NA	NA
	MW16	3.5	J	1.83	S	NA	NA
	MW19	5.7	=	1.83	S	NA	NA
	MW20	84.6	=	1.83	S	NA	NA
	MW21	2.3	J	1.83	S	NA	NA
	MW22	5.6	=	1.83	S	NA	NA
	MW23	1.2	J	1.83	S	NA	NA
	MW24	3.3	J	1.83	S	NA	NA
	MW25	2.4	J	1.83	S	NA	NA
	MW26	0.94	J	1.83	S	NA	NA
	MW28	1.2	J	1.83	S	NA	NA
	MW29	0.49	J	1.83	S	NA	NA
	MW32	1.2	J	1.83	S	NA	NA
	MW33	0.14	J	1.83	S	NA	NA
	MW36	2.7	J	1.83	S	NA	NA
	MW38	19.2	=	1.83	S	NA	NA
	MW39	1.4	J	1.83	S	NA	NA
	MW40	0.9	J	1.83	S	NA	NA
	MW41	1.9	J	1.83	S	NA	NA
	MW42	4.4	J	1.83	S	NA	NA
	MW44	5.7	=	1.83	S	NA	NA
	MW45	0.22	J	1.83	S	NA	NA
	MW46	0.34	J	1.83	S	NA	NA
	MW47	2.5	J	1.83	S	NA	NA
	MW49	0.95	J	1.83	S	NA	NA
	MW50	3.3	J	1.83	S	NA	NA
	MW51	0.87	J	1.83	S	NA	NA
	MW52	1.8	J	1.83	S	NA	NA
	MW54	0.95	J	1.83	S	NA	NA
	MW55	0.89	J	1.83	S	NA	NA
CALCIUM	MW02	56300	=	NA	NA	52875	2XMEAN
	MW03	23300	=	NA	NA	52875	2XMEAN
	MW04	13100	=	NA	NA	52875	2XMEAN
	MW05	16600	=	NA	NA	52875	2XMEAN
	MW06	176000	=	NA	NA	52875	2XMEAN
	MW07	18300	=	NA	NA	52875	2XMEAN
	MW08	15500	=	NA	NA	52875	2XMEAN
	MW09	17300	=	NA	NA	52875	2XMEAN
	MW10	25100	=	NA	NA	52875	2XMEAN
	MW11	13800	=	NA	NA	52875	2XMEAN

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

Parameter	Well #	Concentration (µg/L)	Data Qualifier	PRG (µg/L)	PRG Basis	Background (µg/L)	Background Basis
	MW12	14400	=	NA	NA	52875	2XMEAN
	MW13	11900	=	NA	NA	52875	2XMEAN
	MW14	19500	=	NA	NA	52875	2XMEAN
	MW15	15000	=	NA	NA	52875	2XMEAN
	MW16	31500	=	NA	NA	52875	2XMEAN
	MW19	15100	=	NA	NA	52875	2XMEAN
	MW20	27400	=	NA	NA	52875	2XMEAN
	MW21	14100	=	NA	NA	52875	2XMEAN
	MW22	27800	=	NA	NA	52875	2XMEAN
	MW23	116000	=	NA	NA	52875	2XMEAN
	MW24	13800	=	NA	NA	52875	2XMEAN
	MW25	17700	=	NA	NA	52875	2XMEAN
	MW26	21700	=	NA	NA	52875	2XMEAN
	MW28	14600	=	NA	NA	52875	2XMEAN
	MW30	25200	=	NA	NA	52875	2XMEAN
	MW31	24300	=	NA	NA	52875	2XMEAN
	MW29	26000	=	NA	NA	52875	2XMEAN
	MW32	69000	=	NA	NA	52875	2XMEAN
	MW33	8930	=	NA	NA	52875	2XMEAN
	MW34	12900	=	NA	NA	52875	2XMEAN
	MW35	14400	=	NA	NA	52875	2XMEAN
	MW36	20400	=	NA	NA	52875	2XMEAN
	MW37	35500	=	NA	NA	52875	2XMEAN
	MW38	20300	=	NA	NA	52875	2XMEAN
	MW39	25900	=	NA	NA	52875	2XMEAN
	MW40	45900	=	NA	NA	52875	2XMEAN
	MW44	22100	=	NA	NA	52875	2XMEAN
	MW45	28300	=	NA	NA	52875	2XMEAN
	MW46	14500	=	NA	NA	52875	2XMEAN
	MW47	27100	=	NA	NA	52875	2XMEAN
	MW48	15900	=	NA	NA	52875	2XMEAN
	MW49	13100	=	NA	NA	52875	2XMEAN
	MW50	32300	=	NA	NA	52875	2XMEAN
	MW51	22300	=	NA	NA	52875	2XMEAN
	MW52	28600	=	NA	NA	52875	2XMEAN
	MW53	30700	=	NA	NA	52875	2XMEAN
	MW54	13900	=	NA	NA	52875	2XMEAN
	MW55	12600	=	NA	NA	52875	2XMEAN
CARBON TETRACHLORIDE	MW06	37	=	NA	NA	NA	NA
	MW09	1	J	NA	NA	NA	NA
	MW15	46	=	NA	NA	NA	NA
	MW25	1	J	NA	NA	NA	NA
	MW26	4	J	NA	NA	NA	NA
	MW31	8	J	NA	NA	NA	NA
	MW32	16	=	NA	NA	NA	NA
	MW44	6	J	NA	NA	NA	NA
	MW54	1	J	NA	NA	NA	NA
CHLORIDE	MW03	13700	=	NA	NA	NA	NA
	MW04	40100	=	NA	NA	NA	NA
	MW09	17300	=	NA	NA	NA	NA
	MW10	18000	=	NA	NA	NA	NA
	MW13	8600	=	NA	NA	NA	NA
	MW14	10200	=	NA	NA	NA	NA
	MW21	17300	=	NA	NA	NA	NA
	MW22	35000	=	NA	NA	NA	NA
	MW23	14500	=	NA	NA	NA	NA
	MW30	30500	=	NA	NA	NA	NA
	MW31	16000	=	NA	NA	NA	NA
	MW32	165000	=	NA	NA	NA	NA
	MW34	10400	=	NA	NA	NA	NA
	MW35	10700	=	NA	NA	NA	NA
	MW37	2500	=	NA	NA	NA	NA
	MW47	28600	=	NA	NA	NA	NA
	MW48	14400	=	NA	NA	NA	NA
	MW55	21000	=	NA	NA	NA	NA
CHLOROFORM	MW03	2	J	0.19	C	NA	NA
	MW05	5	J	0.19	C	NA	NA
	MW06	14	J	0.19	C	NA	NA
	MW07	9	J	0.19	C	NA	NA
	MW11	4	J	0.19	C	NA	NA
	MW15	380	=	0.19	C	NA	NA
	MW31	49	=	0.19	C	NA	NA

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

Parameter	Well #	Concentration (µg/L)	Data Qualifier	PRG (µg/L)	PRG Basis	Background (µg/L)	Background Basis
	MW32	6	J	0.19	C	NA	NA
	MW34	1	J	0.19	C	NA	NA
CHLOROMETHANE	MW26	1	J	NA	NA	NA	NA
	MW44	1	J	NA	NA	NA	NA
CHROMIUM, TOTAL	MW02	18	=	NA	NA	54.4	2XMEAN
	MW04	23.2	=	NA	NA	54.4	2XMEAN
	MW09	3	J	NA	NA	54.4	2XMEAN
	MW14	36.9	=	NA	NA	54.4	2XMEAN
	MW15	27.2	=	NA	NA	54.4	2XMEAN
	MW19	30.3	=	NA	NA	54.4	2XMEAN
	MW20	147	=	NA	NA	54.4	2XMEAN
	MW22	25.7	=	NA	NA	54.4	2XMEAN
	MW24	11.4	=	NA	NA	54.4	2XMEAN
	MW25	13.5	=	NA	NA	54.4	2XMEAN
	MW26	6.2	J	NA	NA	54.4	2XMEAN
	MW28	10.2	=	NA	NA	54.4	2XMEAN
	29	5.9	J	NA	NA	54.4	2XMEAN
	MW34	3.2	J	NA	NA	54.4	2XMEAN
	MW36	9.1	J	NA	NA	54.4	2XMEAN
	MW38	13.9	=	NA	NA	54.4	2XMEAN
	MW39	5.4	J	NA	NA	54.4	2XMEAN
	MW44	5.5	J	NA	NA	54.4	2XMEAN
	MW47	66.6	=	NA	NA	54.4	2XMEAN
	MW48	3	J	NA	NA	54.4	2XMEAN
	MW49	17.2	=	NA	NA	54.4	2XMEAN
	MW54	16.2	=	NA	NA	54.4	2XMEAN
	MW55	8.2	J	NA	NA	54.4	2XMEAN
CHRYSENE	MW23	1	J	NA	NA	NA	NA
COBALT	MW02	7	J	NA	NA	24.8	2XMEAN
	MW03	12.6	J	NA	NA	24.8	2XMEAN
	MW04	16.1	J	NA	NA	24.8	2XMEAN
	MW09	3.3	J	NA	NA	24.8	2XMEAN
	MW14	42.8	=	NA	NA	24.8	2XMEAN
	MW15	20	J	NA	NA	24.8	2XMEAN
	MW19	7.8	J	NA	NA	24.8	2XMEAN
	MW20	38	=	NA	NA	24.8	2XMEAN
	MW21	2.9	J	NA	NA	24.8	2XMEAN
	MW22	2.1	J	NA	NA	24.8	2XMEAN
	MW24	13.6	=	NA	NA	24.8	2XMEAN
	MW25	15.9	=	NA	NA	24.8	2XMEAN
	MW26	4.4	J	NA	NA	24.8	2XMEAN
	MW28	16.3	=	NA	NA	24.8	2XMEAN
	MW38	1.1	J	NA	NA	24.8	2XMEAN
	MW39	2.9	J	NA	NA	24.8	2XMEAN
	MW40	4.8	J	NA	NA	24.8	2XMEAN
	MW44	0.66	J	NA	NA	24.8	2XMEAN
	MW47	2.7	J	NA	NA	24.6	2XMEAN
	MW55	3.2	J	NA	NA	24.6	2XMEAN
	PT92997	5.8	J	NA	NA	24.8	2XMEAN
COPPER	MW02	10.9	J	135.05	S	162.6	2XMEAN
	MW03	8	J	135.05	S	162.8	2XMEAN
	MW04	13.5	J	135.05	S	162.6	2XMEAN
	MW06	0.77	J	135.05	S	162.6	2XMEAN
	MW14	26.7	=	135.05	S	162.6	2XMEAN
	MW15	15.3	J	135.05	S	162.6	2XMEAN
	MW16	49.2	=	135.05	S	162.6	2XMEAN
	MW19	31.8	=	135.05	S	162.6	2XMEAN
	MW20	147	=	135.05	S	162.6	2XMEAN
	MW21	5	J	135.05	S	162.6	2XMEAN
	MW22	17.8	=	135.05	S	162.6	2XMEAN
	MW24	8.8	J	135.05	S	162.6	2XMEAN
	MW25	27	=	135.05	S	162.8	2XMEAN
	MW32	1.8	J	135.05	S	162.6	2XMEAN
	MW36	11.8	=	135.05	S	162.8	2XMEAN
	MW38	12.2	=	135.05	S	162.6	2XMEAN
	MW41	6.8	J	135.05	S	162.6	2XMEAN
	MW42	3.8	J	135.05	S	162.6	2XMEAN
	MW47	9.8	J	135.05	S	162.6	2XMEAN
	MW52	7.8	J	135.05	S	162.6	2XMEAN
	MW55	19.7	=	135.05	S	162.6	2XMEAN
DIBROMOFLUOROMETHANE	MW02	96					
	MW03	89					

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

Parameter	Well #	Concentration (µg/L)	Data Qualifier	PRG (µg/L)	PRG Basis	Background (µg/L)	Background Basis
	MW04	98					
	MW05	97					
	MW06	100					
	MW07	91					
	MW08	97					
	MW09	95					
	MW10	97					
	MW11	99					
	MW12	100					
	MW13	99					
	MW14	90					
	MW15	97					
	MW16	88					
	MW19	68					
	MW20	95					
	MW21	93					
	MW22	98					
	MW23	93					
	MW24	88					
	MW25	90					
	MW26	87					
	MW29	96					
	MW30	91					
	MW31	88					
	MW32	88					
	MW33	95					
	MW34	96					
	MW35	97					
	MW36	87					
	MW37	89					
	MW38	89					
	MW39	98					
	MW40	98					
	MW41	91					
	MW42	90					
	MW44	91					
	MW45	93					
	MW46	93					
	MW47	96					
	MW48	94					
	MW49	88					
	MW50	88					
	MW51	89					
	MW52	89					
	MW53	95					
	MW54	93					
	MW55	97					
DIETHYL PHTHALATE	MW47	1	J	NA	NA	NA	NA
HARDNESS AS CACO3	MW06	804	=	NA	NA	NA	NA
	MW08	76	=	NA	NA	NA	NA
	MW10	138	=	NA	NA	NA	NA
	MW32	274	=	NA	NA	NA	NA
	MW35	72	=	NA	NA	NA	NA
	MW37	198	=	NA	NA	NA	NA
	MW55	70	=	NA	NA	NA	NA
IRON	MW02	15900	=	NA	NA	6728	2XMEAN
	MW03	34000	=	NA	NA	6728	2XMEAN
	MW04	41700	=	NA	NA	6728	2XMEAN
	MW05	133	=	NA	NA	6728	2XMEAN
	MW06	4730	=	NA	NA	6728	2XMEAN
	MW07	2700	=	NA	NA	6728	2XMEAN
	MW08	2530	=	NA	NA	6728	2XMEAN
	MW09	1340	=	NA	NA	6728	2XMEAN
	MW10	784	=	NA	NA	6728	2XMEAN
	MW11	589	=	NA	NA	6728	2XMEAN
	MW12	465	=	NA	NA	6728	2XMEAN
	MW13	276	=	NA	NA	6728	2XMEAN
	MW14	52800	=	NA	NA	6728	2XMEAN
	MW15	39700	=	NA	NA	6728	2XMEAN
	MW16	1940	=	NA	NA	6728	2XMEAN
	MW19	33900	=	NA	NA	6728	2XMEAN
	MW20	136000	=	NA	NA	6728	2XMEAN

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

Parameter	Well #	Concentration (µg/L)	Data Qualifier	PRG (µg/L)	PRG Basis	Background (µg/L)	Background Basis
	MW21	2220	=	NA	NA	6728	2XMEAN
	MW22	19700	=	NA	NA	6728	2XMEAN
	MW23	757	=	NA	NA	6728	2XMEAN
	MW24	52100	=	NA	NA	6728	2XMEAN
	MW25	25800	=	NA	NA	6728	2XMEAN
	MW26	14800	=	NA	NA	6728	2XMEAN
	MW28	11800	=	NA	NA	6728	2XMEAN
	MW29	6820	=	NA	NA	6728	2XMEAN
	MW30	1150	=	NA	NA	6728	2XMEAN
	MW31	894	=	NA	NA	6728	2XMEAN
	MW32	8020	=	NA	NA	6728	2XMEAN
	MW33	2050	=	NA	NA	6728	2XMEAN
	MW34	808	=	NA	NA	6728	2XMEAN
	MW35	162	=	NA	NA	6728	2XMEAN
	MW36	507	=	NA	NA	6728	2XMEAN
	MW37	4970	=	NA	NA	6728	2XMEAN
	MW38	996	=	NA	NA	6728	2XMEAN
	MW39	2740	=	NA	NA	6728	2XMEAN
	MW40	99.8	J	NA	NA	6728	2XMEAN
	MW44	7930	=	NA	NA	6728	2XMEAN
	MW45	1380	=	NA	NA	6728	2XMEAN
	MW46	2620	=	NA	NA	6728	2XMEAN
	MW47	20200	=	NA	NA	6728	2XMEAN
	MW48	301	=	NA	NA	6728	2XMEAN
	MW49	9840	=	NA	NA	6728	2XMEAN
	MW50	2500	=	NA	NA	6728	2XMEAN
	MW51	14500	=	NA	NA	6728	2XMEAN
	MW52	702	=	NA	NA	6728	2XMEAN
	MW53	910	=	NA	NA	6728	2XMEAN
	MW54	8960	=	NA	NA	6728	2XMEAN
	MW55	4240	=	NA	NA	6728	2XMEAN
LEAD	MW02	13.6	=	15	MCL	9.4	2XMEAN
	MW03	7.5	=	15	MCL	9.4	2XMEAN
	MW04	12.3	=	15	MCL	9.4	2XMEAN
	MW06	2.7	J	15	MCL	9.4	2XMEAN
	MW09	1.8	J	15	MCL	9.4	2XMEAN
	MW10	1.8	J	15	MCL	9.4	2XMEAN
	MW14	27.3	=	15	MCL	9.4	2XMEAN
	MW15	13.6	=	15	MCL	9.4	2XMEAN
	MW16	3.8	=	15	MCL	9.4	2XMEAN
	MW19	14.3	=	15	MCL	9.4	2XMEAN
	MW20	111	=	15	MCL	9.4	2XMEAN
	MW21	5.9	=	15	MCL	9.4	2XMEAN
	MW22	9.1	=	15	MCL	9.4	2XMEAN
	MW23	1.3	J	15	MCL	9.4	2XMEAN
	MW24	10.5	=	15	MCL	9.4	2XMEAN
	MW25	10.4	=	15	MCL	9.4	2XMEAN
	MW26	4.2	=	15	MCL	9.4	2XMEAN
	MW28	3.1	=	15	MCL	9.4	2XMEAN
	MW32	1.2	J	15	MCL	9.4	2XMEAN
	MW32	1.8	J	15	MCL	9.4	2XMEAN
	MW33	1.6	J	15	MCL	9.4	2XMEAN
	MW34	1.1	J	15	MCL	9.4	2XMEAN
	MW36	1.8	J	15	MCL	9.4	2XMEAN
	MW38	4.3	=	15	MCL	9.4	2XMEAN
	MW39	7.4	=	15	MCL	9.4	2XMEAN
	MW40	1.1	J	15	MCL	9.4	2XMEAN
	MW42	1.8	J	15	MCL	9.4	2XMEAN
	MW44	2.2	J	15	MCL	9.4	2XMEAN
	MW45	2	J	15	MCL	9.4	2XMEAN
	MW47	4.8	=	15	MCL	9.4	2XMEAN
	MW48	1.3	J	15	MCL	9.4	2XMEAN
	MW49	2.4	J	15	MCL	9.4	2XMEAN
	MW50	1	J	15	MCL	9.4	2XMEAN
	MW51	1.1	J	15	MCL	9.4	2XMEAN
	MW54	2	J	15	MCL	9.4	2XMEAN
	MW55	4.5	=	15	MCL	9.4	2XMEAN
MAGNESIUM	MW02	27600	=	NA	NA	26045	2XMEAN
	MW03	11700	=	NA	NA	26045	2XMEAN
	MW04	7050	=	NA	NA	26045	2XMEAN
	MW05	8700	=	NA	NA	26045	2XMEAN
	MW06	31800	=	NA	NA	26045	2XMEAN

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

Parameter	Well #	Concentration (µg/L)	Data Qualifier	PRG (µg/L)	PRG Basis	Background (µg/L)	Background Basis
	MW07	9510	=	NA	NA	26045	2XMEAN
	MW08	7400	=	NA	NA	26045	2XMEAN
	MW09	6030	=	NA	NA	26045	2XMEAN
	MW10	11900	=	NA	NA	26045	2XMEAN
	MW11	7110	=	NA	NA	26045	2XMEAN
	MW12	7610	=	NA	NA	26045	2XMEAN
	MW13	6050	=	NA	NA.	26045	2XMEAN
	MW14	9130	=	NA	NA	26045	2XMEAN
	MW15	7600	=	NA	NA	26045	2XMEAN
	MW16	12200	=	NA	NA	26045	2XMEAN
	MW19	6180	=	NA	NA	26045	2XMEAN
	MW20	14300	=	NA	NA	26045	2XMEAN
	MW21	7180	=	NA	NA	26045	2XMEAN
	MW22	14400	=	NA	NA	26045	2XMEAN
	MW23	18700	=	NA	NA	26045	2XMEAN
	MW24	8130	=	NA	NA	26045	2XMEAN
	MW25	9200	=	NA	NA	26045	2XMEAN
	MW26	10800	=	NA	NA	26045	2XMEAN
	MW28	7600	=	NA	NA	26045	2XMEAN
	MW29	12500	=	NA	NA	26045	2XMEAN
	MW30	12700	=	NA	NA	26045	2XMEAN
	MW31	11800	=	NA	NA	26045	2XMEAN
	MW32	15600	=	NA	NA	26045	2XMEAN
	MW33	4850	=	NA	NA	26045	2XMEAN
	MW34	5950	=	NA	NA	26045	2XMEAN
	MW35	7040	=	NA	NA	26045	2XMEAN
	MW36	1030	=	NA	NA	26045	2XMEAN
	MW37	14700	=	NA	NA	26045	2XMEAN
	MW38	3930	=	NA	NA	26045	2XMEAN
	MW39	9370	=	NA	NA	26045	2XMEAN
	MW40	23200	=	NA	NA	26045	2XMEAN
	MW44	9620	=	NA	NA	26045	2XMEAN
	MW45	14900	=	NA	NA	26045	2XMEAN
	MW46	6990	=	NA	NA	26045	2XMEAN
	MW47	14100	=	NA	NA	26045	2XMEAN
	MW48	8190	=	NA	NA	26045	2XMEAN
	MW49	6060	=	NA	NA	26045	2XMEAN
	MW50	11600	=	NA	NA	26045	2XMEAN
	MW51	10800	=	NA	NA	26045	2XMEAN
	MW52	11600	=	NA	NA	26045	2XMEAN
	MW53	16700	=	NA	NA	26045	2XMEAN
	MW54	7070	=	NA	NA	26045	2XMEAN
	MW55	5370	=	NA	NA	26091	2XMEAN
MANGANESE	MW02	967	=	18.25	S	560	2XMEAN
	MW03	116	=	18.25	S	560	2XMEAN
	MW04	148	=	18.25	S	560	2XMEAN
	MW06	5500	=	18.25	S	560	2XMEAN
	MW07	15.5	=	18.25	S	560	2XMEAN
	MW08	12	J	18.25	S	560	2XMEAN
	MW09	113	=	18.25	S	560	2XMEAN
	MW10	43.8	=	18.25	S	560	2XMEAN
	MW11	21	=	18.25	S	560	2XMEAN
	MW12	10.1	J	18.25	S	560	2XMEAN
	MW13	4.2	J	18.25	S	560	2XMEAN
	MW14	879	=	18.25	S	560	2XMEAN
	MW15	279	=	18.25	S	560	2XMEAN
	MW16	257	=	18.25	S	560	2XMEAN
	MW19	314	=	18.25	S	560	2XMEAN
	MW20	1400	=	18.25	S	560	2XMEAN
	MW21	59.8	=	18.25	S	560	2XMEAN
	MW22	71.7	=	18.25	S	560	2XMEAN
	MW23	18.4	=	18.25	S	560	2XMEAN
	MW24	127	=	18.25	S	560	2XMEAN
	MW25	895	=	18.25	S	560	2XMEAN
	MW26	176	=	18.25	S	560	2XMEAN
	MW28	259	=	18.25	S	560	2XMEAN
	MW29	22.7	=	18.25	S	560	2XMEAN
	MW31	5.1	J	18.25	S	560	2XMEAN
	MW32	2000	=	18.25	S	560	2XMEAN
	MW33	20.8	=	18.25	S	560	2XMEAN
	MW34	2.4	J	18.25	S	560	2XMEAN
	MW38	9.6	J	18.25	S	560	2XMEAN

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

Parameter	Well #	Concentration (µg/L)	Data Qualifier	PRG (µg/L)	PRG Basis	Background (µg/L)	Background Basis
	MW37	188	=	18.25	S	560	2XMEAN
	MW38	20.2	=	18.25	S	560	2XMEAN
	MW39	179	=	18.25	S	560	2XMEAN
	MW40	1120	=	18.25	S	560	2XMEAN
	MW44	20	=	18.25	S	560	2XMEAN
	MW45	3.1	J	18.25	S	560	2XMEAN
	MW46	10.6	=	18.25	S	560	2XMEAN
	MW47	89.5	=	18.25	S	560	2XMEAN
	MW48	3.1	J	18.25	S	560	2XMEAN
	MW49	29.4	=	18.25	S	560	2XMEAN
	MW50	17.2	=	18.25	S	560	2XMEAN
	MW51	31.7	=	18.25	S	560	2XMEAN
	MW52	7.2	J	18.25	S	560	2XMEAN
	MW53	15.6	=	18.25	S	560	2XMEAN
	MW54	14	=	18.25	S	560	2XMEAN
	MW55	119	=	18.25	S	560	2XMEAN
MERCURY	MW06	0.52	=	1.10	S	NA	NA
	MW15	0.23	=	1.10	S	NA	NA
	MW28	0.2	=	1.10	S	NA	NA
NICKEL	MW02	11.9	J	13.40	S	31.4	2XMEAN
	MW03	10.2	J	13.40	S	31.4	2XMEAN
	MW04	10.4	J	13.40	S	31.4	2XMEAN
	MW10	1.3	J	13.40	S	31.4	2XMEAN
	MW14	17	J	13.40	S	31.4	2XMEAN
	MW15	11.1	J	13.40	S	31.4	2XMEAN
	MW16	5	J	13.40	S	31.4	2XMEAN
	MW19	11.3	J	13.40	S	31.4	2XMEAN
	MW20	68.7	=	13.40	S	31.4	2XMEAN
	MW22	7.2	J	13.40	S	31.4	2XMEAN
	MW24	5.1	J	13.40	S	31.4	2XMEAN
	MW25	6.8	J	13.40	S	31.4	2XMEAN
	MW28	5.4	J	13.40	S	31.4	2XMEAN
	MW35	6.8	J	13.40	S	31.4	2XMEAN
	MW38	11.4	J	13.40	S	31.4	2XMEAN
	MW44	4.3	J	13.40	S	31.4	2XMEAN
	MW47	7.1	J	13.40	S	31.4	2XMEAN
	MW48	3.1	J	13.40	S	31.4	2XMEAN
	MW49	4.2	J	13.40	S	31.4	2XMEAN
	MW55	5.5	J	13.40	S	31.4	2XMEAN
NITRATE-NITROGEN	MW32	4.29	=	NA	NA	NA	NA
	MW35	4.19	=	NA	NA	NA	NA
	MW55	5.44	=	NA	NA	NA	NA
NITRATE/NITRITE-N, AUTOMATED	MW03	2920	=	NA	NA	NA	NA
	MW08	1640	=	NA	NA	NA	NA
	MW10	3940	=	NA	NA	NA	NA
	MW13	6150	=	NA	NA	NA	NA
	MW14	4670	=	NA	NA	NA	NA
	MW21	3210	=	NA	NA	NA	NA
	MW22	7330	=	NA	NA	NA	NA
	MW23	4870	=	NA	NA	NA	NA
	MW30	2510	=	NA	NA	NA	NA
	MW31	2340	=	NA	NA	NA	NA
	MW32	4160	=	NA	NA	NA	NA
	MW34	5920	=	NA	NA	NA	NA
	MW35	4150	=	NA	NA	NA	NA
	MW40	380	=	NA	NA	NA	NA
	MW47	5810	=	NA	NA	NA	NA
	MW48	7280	=	NA	NA	NA	NA
Nitrobenzene	MW05	81					
	MW06	83					
	MW07	80					
	MW08	73					
	MW13	88					
	MW14	68					
	MW16	61					
	MW20	69					
	MW21	77					
	MW22	60					
	MW23	58					
	MW24	65					
	MW25	75					
	MW28	64					

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

Parameter	Well #	Concentration (µg/L)	Data Qualifier	PRG (µg/L)	PRG Basis	Background (µg/L)	Background Basis
	MW29	72					
	MW30	92					
	MW31	71					
	MW34	72					
	MW35	70					
	MW36	82					
	MW37	83					
	MW38	74					
	MW39	90					
	MW44	75					
	MW45	81					
	MW46	86					
	MW47	87					
	MW48	70					
	MW49	85					
	MW50	63					
	MW51	72					
	MW52	85					
	MW53	78					
	MW54	80					
	MW55	75					
Phenol	MW05	67					
	MW06	72					
	MW07	74					
	MW08	78					
	MW13	70					
	MW14	76					
	MW16	74					
	MW20	87					
	MW21	64					
	MW22	73					
	MW23	34					
	MW24	72					
	MW25	62					
	MW28	79					
	MW29	78					
	MW30	85					
	MW31	67					
	MW34	73					
	MW35	54					
	MW36	69					
	MW37	70					
	MW38	59					
	MW39	90					
	MW44	70					
	MW45	72					
	MW46	76					
	MW47	81					
	MW48	65					
	MW49	77					
	MW50	32					
	MW51	44					
	MW52	67					
	MW53	77					
	MW54	73					
	MW55	59					
POTASSIUM	MW02	4240	J	NA	NA	3495.4	2XMEAN
	MW03	3390	J	NA	NA	3495.4	2XMEAN
	MW04	3890	J	NA	NA	3495.4	2XMEAN
	MW05	1060	J	NA	NA	3495.4	2XMEAN
	MW06	4790	J	NA	NA	3495.4	2XMEAN
	MW07	1370	J	NA	NA	3495.4	2XMEAN
	MW08	1440	J	NA	NA	3495.4	2XMEAN
	MW09	17600	=	NA	NA	3495.4	2XMEAN
	MW10	1740	J	NA	NA	3495.4	2XMEAN
	MW11	607	J	NA	NA	3495.4	2XMEAN
	MW14	1560	J	NA	NA	3495.4	2XMEAN
	MW15	4460	J	NA	NA	3495.4	2XMEAN
	MW16	5080	=	NA	NA	3495.4	2XMEAN
	MW19	3770	=	NA	NA	3495.4	2XMEAN
	MW20	13900	=	NA	NA	3495.4	2XMEAN
	MW21	2060	J	NA	NA	3495.4	2XMEAN

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

Parameter	Well #	Concentration (µg/L)	Data Qualifier	PRG (µg/L)	PRG Basis	Background (µg/L)	Background Basis
	MW22	4500	=	NA	NA	3495.4	2XMEAN
	MW23	4300	J	NA	NA	3495.4	2XMEAN
	MW24	2310	=	NA	NA	3495.4	2XMEAN
	MW25	3210	=	NA	NA	3495.4	2XMEAN
	MW28	3180	J	NA	NA	3495.4	2XMEAN
	MW29	3970	J	NA	NA	3495.4	2XMEAN
	MW32	2370	J	NA	NA	3495.4	2XMEAN
	MW33	1070	J	NA	NA	3495.4	2XMEAN
	MW34	1530	J	NA	NA	3495.4	2XMEAN
	MW36	2530	=	NA	NA	3495.4	2XMEAN
	MW37	7380	=	NA	NA	3495.4	2XMEAN
	MW38	2960	=	NA	NA	3495.4	2XMEAN
	MW39	2510	J	NA	NA	3495.4	2XMEAN
	MW40	6820	=	NA	NA	3495.4	2XMEAN
	MW44	2500	=	NA	NA	3495.4	2XMEAN
	MW45	1680	J	NA	NA	3495.4	2XMEAN
	MW47	3820	J	NA	NA	3495.4	2XMEAN
	MW48	1030	J	NA	NA	3495.4	2XMEAN
	MW49	2020	=	NA	NA	3495.4	2XMEAN
	MW50	2020	=	NA	NA	3495.4	2XMEAN
	MW51	2680	J	NA	NA	3495.4	2XMEAN
	MW52	7800	=	NA	NA	3495.4	2XMEAN
	MW53	1760	J	NA	NA	3495.4	2XMEAN
	MW54	1620	J	NA	NA	3495.4	2XMEAN
	MW55	3460	=	NA	NA	3495.4	2XMEAN
SELENIUM	MW20	4.1	J	10	NA	5.8	2XMEAN
	MW53	4	J	10	NA	5.8	2XMEAN
SODIUM	MW02	16400	J	NA	NA	106650	2XMEAN
	MW03	19000	=	NA	NA	106650	2XMEAN
	MW04	19900	J	NA	NA	106650	2XMEAN
	MW05	38000	=	NA	NA	106650	2XMEAN
	MW06	30800	=	NA	NA	106650	2XMEAN
	MW07	22100	=	NA	NA	106650	2XMEAN
	MW08	28800	J	NA	NA	106650	2XMEAN
	MW09	13300	J	NA	NA	106650	2XMEAN
	MW10	23300	J	NA	NA	106650	2XMEAN
	MW11	17300	=	NA	NA	106650	2XMEAN
	MW12	16600	=	NA	NA	106650	2XMEAN
	MW13	17300	J	NA	NA	106650	2XMEAN
	MW14	12500	J	NA	NA	106650	2XMEAN
	MW15	16000	J	NA	NA	106650	2XMEAN
	MW16	29100	J	NA	NA	106650	2XMEAN
	MW19	10100	J	NA	NA	106650	2XMEAN
	MW20	10800	J	NA	NA	106650	2XMEAN
	MW21	15100	=	NA	NA	106650	2XMEAN
	MW22	41400	J	NA	NA	106650	2XMEAN
	MW23	10500	J	NA	NA	106650	2XMEAN
	MW24	21400	J	NA	NA	106650	2XMEAN
	MW25	17000	J	NA	NA	106650	2XMEAN
	MW26	31500	J	NA	NA	106650	2XMEAN
	MW28	16100	J	NA	NA	106650	2XMEAN
	MW30	19600	=	NA	NA	106650	2XMEAN
	MW31	25100	J	NA	NA	106650	2XMEAN
	MW29	28200	J	NA	NA	106650	2XMEAN
	MW32	22000	=	NA	NA	106650	2XMEAN
	MW33	20200	J	NA	NA	106650	2XMEAN
	MW34	9350	J	NA	NA	106650	2XMEAN
	MW35	15800	=	NA	NA	106650	2XMEAN
	MW36	1010	J	NA	NA	106650	2XMEAN
	MW37	7090	=	NA	NA	106650	2XMEAN
	MW38	7070	J	NA	NA	106650	2XMEAN
	MW39	23500	=	NA	NA	106650	2XMEAN
	MW40	68700	J	NA	NA	106650	2XMEAN
	MW44	18800	J	NA	NA	106650	2XMEAN
	MW45	16600	J	NA	NA	106650	2XMEAN
	MW46	22000	J	NA	NA	106650	2XMEAN
	MW47	23700	J	NA	NA	106650	2XMEAN
	MW48	21500	J	NA	NA	106650	2XMEAN
	MW49	11400	J	NA	NA	106650	2XMEAN
	MW50	33200	J	NA	NA	106650	2XMEAN
	MW51	16400	=	NA	NA	106650	2XMEAN
	MW52	39800	J	NA	NA	106650	2XMEAN

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

Parameter	Well #	Concentration (µg/L)	Data Qualifier	PRG (µg/L)	PRG Basis	Background (µg/L)	Background Basis
	MW53	32300	J	NA	NA	106650	2XMEAN
	MW54	16900	J	NA	NA	106650	2XMEAN
	MW55	18900	J	NA	NA	106650	2XMEAN
SULFATE	MW03	34.4	=	NA	NA	NA	NA
	MW04	38.8	=	NA	NA	NA	NA
	MW08	35.9	=	NA	NA	NA	NA
	MW10	49.1	=	NA	NA	NA	NA
	MW13	34.6	=	NA	NA	NA	NA
	MW14	36.2	=	NA	NA	NA	NA
	MW22	25.5	=	NA	NA	NA	NA
	MW23	148	=	NA	NA	NA	NA
	MW30	28.2	=	NA	NA	NA	NA
	MW31	52	=	NA	NA	NA	NA
	MW32	11.6	=	NA	NA	NA	NA
	MW34	9.7	=	NA	NA	NA	NA
	MW35	20.2	=	NA	NA	NA	NA
	MW47	22.1	=	NA	NA	NA	NA
	MW48	13.1	=	NA	NA	NA	NA
	MW55	20.8	=	NA	NA	NA	NA
Terphenyl	MW05	72					
	MW06	59					
	MW07	67					
	MW08	82					
	MW13	107					
	MW14	74					
	MW16	71					
	MW20	54					
	MW21	87					
	MW22	69					
	MW23	60					
	MW24	83					
	MW25	52					
	MW28	92					
	MW29	81					
	MW30	83					
	MW31	68					
	MW34	89					
	MW35	56					
	MW36	57					
	MW37	64					
	MW38	62					
	MW39	87					
	MW44	87					
	MW45	87					
	MW46	70					
	MW47	87					
	MW48	67					
	MW49	72					
	MW50	63					
	MW51	81					
	MW52	52					
	MW53	67					
	MW54	77					
	MW55	62					
TETRACHLOROETHYLENE (PCE)	MW03	40	=	0.83	C	1	MAX_DET
	MW04	78	=	0.83	C	1	MAX_DET
	MW05	89	=	0.83	C	1	MAX_DET
	MW06	3	J	0.83	C	1	MAX_DET
	MW07	82	=	0.83	C	1	MAX_DET
	MW08	27	=	0.83	C	1	MAX_DET
	MW09	4	J	0.83	C	1	MAX_DET
	MW10	180	=	0.83	C	1	MAX_DET
	MW11	19	J	0.83	C	1	MAX_DET
	MW12	44	J	0.83	C	1	MAX_DET
	MW13	6	J	0.83	C	1	MAX_DET
	MW15	12	J	0.83	C	1	MAX_DET
	MW21	62	=	0.83	C	1	MAX_DET
	MW22	2	J	0.83	C	1	MAX_DET
	MW25	11	=	0.83	C	1	MAX_DET
	MW26	11	=	0.83	C	1	MAX_DET
	MW31	110	=	0.83	C	1	MAX_DET
	MW29	29	=	0.83	C	1	MAX_DET

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

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Parameter	Well #	Concentration (µg/L)	Data Qualifier	PRG (µg/L)	PRG Basis	Background (µg/L)	Background Basis
	MW32	1	J	0.83	C	1	MAX_DET
	MW35	1	J	0.83	C	1	MAX_DET
	MW39	8	J	0.83	C	1	MAX_DET
	MW47	14	=	0.83	C	1	MAX_DET
	MW51	4	J	0.83	C	1	MAX_DET
	MW52	2	J	0.83	C	1	MAX_DET
	MW54	2	J	0.83	C	1	MAX_DET
THALLIUM	MW53	3.6	J	NA	NA	NA	NA
TOLUENE	MW02	102					
	MW03	97					
	MW04	102					
	MW05	97					
	MW06	106					
	MW07	96					
	MW08	102					
	MW09	99					
	MW10	103					
	MW11	102					
	MW12	100					
	MW13	100					
	MW14	99					
	MW15	100					
	MW16	97					
	MW19	97					
	MW20	105					
	MW21	100					
	MW22	100					
	MW23	98					
	MW24	98					
	MW25	97					
	MW26	97					
	MW29	98					
	MW30	100					
	MW31	97					
	MW32	94					
	MW33	100					
	MW34	99					
	MW35	102					
	MW36	98					
	MW37	104					
	MW38	104					
	MW39	104					
	MW40	103					
	MW41	98					
	MW42	97					
	MW44	95					
	MW45	97					
	MW46	102					
	MW47	98					
	MW48	99					
	MW49	97					
	MW50	99					
	MW51	94					
	MW52	99					
	MW53	100					
	MW54	99					
	MW55	102					
TOTAL DISSOLVED SOLIDS	MW32	709	=	NA	NA	NA	NA
	MW35	172	=	NA	NA	NA	NA
	MW37	200	=	NA	NA	NA	NA
	MW55	168	=	NA	NA	NA	NA
TOTAL ORGANIC CARBON	MW03	1900	=	NA	NA	NA	NA
(SOIL/WATER)	MW08	1300	=	NA	NA	NA	NA
	MW10	2400	=	NA	NA	NA	NA
	MW14	2600	=	NA	NA	NA	NA
	MW21	2700	=	NA	NA	NA	NA
	MW22	4500	=	NA	NA	NA	NA
	MW23	2600	=	NA	NA	NA	NA
	MW30	2700	=	NA	NA	NA	NA
	MW31	2000	=	NA	NA	NA	NA
	MW32	8500	=	NA	NA	NA	NA
	MW34	2000	=	NA	NA	NA	NA

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

Parameter	Well #	Concentration (µg/L)	Data Qualifier	PRG (µg/L)	PRG Basis	Background (µg/L)	Background Basis
	MW35	1900	=	NA	NA	NA	NA
	MW37	1.4	=	NA	NA	NA	NA
	MW40	4700	=	NA	NA	NA	NA
	MW47	1700	=	NA	NA	NA	NA
	MW48	5700	=	NA	NA	NA	NA
TRICHLOROETHYLENE (TCE)	MW03	17	=	3.87	C	1	MAX_DET
	MW04	3	J	3.87	C	1	MAX_DET
	MW05	14	=	3.87	C	1	MAX_DET
	MW06	240	=	3.87	C	1	MAX_DET
	MW07	32	=	3.87	C	1	MAX_DET
	MW08	13	=	3.87	C	1	MAX_DET
	MW09	2	J	3.87	C	1	MAX_DET
	MW10	100	=	3.87	C	1	MAX_DET
	MW11	240	=	3.87	C	1	MAX_DET
	MW12	3800	=	3.87	C	1	MAX_DET
	MW14	1	J	3.87	C	1	MAX_DET
	MW15	140	=	3.87	C	1	MAX_DET
	MW21	12	=	3.87	C	1	MAX_DET
	MW22	4	J	3.87	C	1	MAX_DET
	MW26	2	J	3.87	C	1	MAX_DET
	MW31	220	=	3.87	C	1	MAX_DET
	MW29	18	=	3.87	C	1	MAX_DET
	MW32	76	=	3.87	C	1	MAX_DET
	MW35	83	=	3.87	C	1	MAX_DET
	MW38	1	J	3.87	C	1	MAX_DET
	MW39	8	J	3.87	C	1	MAX_DET
	MW44	5	J	3.87	C	1	MAX_DET
	MW47	6	J	3.87	C	1	MAX_DET
	MW51	13	=	3.87	C	1	MAX_DET
	MW54	150	=	3.87	C	1	MAX_DET
VANADIUM	MW02	30.9	J	25.55	S	6	2XMEAN
	MW03	34.5	J	25.55	S	6	2XMEAN
	MW04	34	J	25.55	S	6	2XMEAN
	MW06	4.7	J	25.55	S	6	2XMEAN
	MW07	2.7	J	25.55	S	6	2XMEAN
	MW08	2.6	J	25.55	S	6	2XMEAN
	MW09	2.1	J	25.55	S	6	2XMEAN
	MW10	0.65	J	25.55	S	6	2XMEAN
	MW13	0.39	J	25.55	S	6	2XMEAN
	MW14	58.6	=	25.55	S	6	2XMEAN
	MW15	52.5	=	25.55	S	6	2XMEAN
	MW16	3.6	J	25.55	S	6	2XMEAN
	MW19	44.7	=	25.55	S	6	2XMEAN
	MW20	262	=	25.55	S	6	2XMEAN
	MW21	15.8	J	25.55	S	6	2XMEAN
	MW22	18.4	=	25.55	S	6	2XMEAN
	MW23	1.8	J	25.55	S	6	2XMEAN
	MW24	23.2	=	25.55	S	6	2XMEAN
	MW25	37.2	=	25.55	S	6	2XMEAN
	MW26	23.9	J	25.55	S	6	2XMEAN
	MW28	16.4	=	25.55	S	6	2XMEAN
	MW30	1.1	J	25.55	S	6	2XMEAN
	MW31	0.65	J	25.55	S	6	2XMEAN
	MW29	7.7	J	25.55	S	6	2XMEAN
	MW32	11.1	J	25.55	S	6	2XMEAN
	MW33	2	J	25.55	S	6	2XMEAN
	MW34	1.8	J	25.55	S	6	2XMEAN
	MW36	2.3	J	25.55	S	6	2XMEAN
	MW38	1.6	J	25.55	S	6	2XMEAN
	MW39	2.4	J	25.55	S	6	2XMEAN
	MW40	0.61	J	25.55	S	6	2XMEAN
	MW44	7.3	J	25.55	S	6	2XMEAN
	MW45	1.2	J	25.55	S	6	2XMEAN
	MW46	2.5	J	25.55	S	6	2XMEAN
	MW47	19.8	J	25.55	S	6	2XMEAN
	MW48	0.35	J	25.55	S	6	2XMEAN
	MW49	14	=	25.55	S	6	2XMEAN
	MW50	2.8	J	25.55	S	6	2XMEAN
	MW51	18.9	J	25.55	S	6	2XMEAN
	MW52	1.8	J	25.55	S	6	2XMEAN
	MW53	0.6	J	25.55	S	6	2XMEAN
	MW54	7.5	J	25.55	S	6	2XMEAN

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

Parameter	Well #	Concentration (µg/L)	Data Qualifier	PRG (µg/L)	PRG Basis	Background (µg/L)	Background Basis
	MW55	6.2	J	25.55	S	8	2XMEAN
ZINC	MW14	75	J	1095.00	S	NA	NA
	MW19	42.1	J	1095.00	S	NA	NA
	MW20	267	J	1095.00	S	NA	NA
	MW21	219	=	1095.00	S	NA	NA
	MW22	32.7	J	1095.00	S	NA	NA
	MW24	33.1	J	1095.00	S	NA	NA
	MW25	23.6	J	1095.00	S	NA	NA
	MW36	70.7	J	1095.00	S	NA	NA
	MW38	29.3	J	1095.00	S	NA	NA
	MW39	43	J	1095.00	S	NA	NA
	MW42	55	=	1095.00	S	NA	NA
	MW44	26.3	J	1095.00	S	NA	NA

Notes:

Data was collected in September 1997.

PRG = Preliminary Remediation Goal

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

NA = Not Applicable

MAX_DET = Background based on maximum detected background concentration.

S = calculated based on carcinogenic risk

C = calculated based on systemic risk

J= estimated value

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

Analyte	No. of Analyses	No. of Detections[a]	Min (µg/L)	Max (µg/L)	Average (µg/L)	Standard Deviation (µg/L)
Inorganics						
Aluminum	47	44	101	126000	6205.41	18973.66
Antimony	49	0	--	--	--	--
Arsenic	49	7	2.5	90.5	24.94	30.94
Barium	47	48	30.9	693	130.65	117.44
Beryllium	49	10	0.20	5.9	1.29	1.59
Cadmium	49	37	0.14	84.5	4.94	13.96
Calcium	47	48	9930	176000	27686.04	28057.88
Chromium	49	23	3.0	147.00	22.08	30.96
Cobalt	47	21	0.56	42.8	10.76	11.56
Copper	49	21	0.77	147	20.72	31.13
Iron	47	48	98.8	136000	12515.93	22996.00
Lead	49	36	1	111	8.27	18.47
Magnesium	47	48	1030	31600	10653.13	5772.97
Manganese	47	45	2.4	5500	349.22	894.20
Mercury	49	3	0.2	0.52	0.32	0.18
Nickel	49	20	1.3	68.7	10.68	14.16
Potassium	47	41	807	17600	3663.59	3263.96
Sodium	47	48	1010	68700	21200.42	11060.97
Vanadium	47	43	0.35	262	18.15	40.99
Zinc	49	12	23.6	267	76.40	80.20
VOCs						
1,1,1-Trichloroethane	48	7	1	7	2.86	2.04
1,1,2,2-Tetrachloroethane	48	7	2	480	125.14	175.03
1,1,2-Trichloroethane	48	2	5	9	7.00	2.83
1,1-Dichloroethane	48	4	1	3	2.00	0.82
1,1-Dichloroethene	48	9	1	72	28.89	23.57
1,2-Dichloroethene (total)	48	12	2	380	89.50	122.26
Carbon tetrachloride	48	9	1	46	13.33	16.81
Chlorobenzene	48	0	--	--	--	--
Chloroform	48	9	1	380	52.22	123.80
Ethylbenzene	48	0	--	--	--	--
Methyl Isobutyl Ketone	0	0	--	--	--	--
Tetrachloroethene	48	25	1	180	33.76	44.17
Trichloroethene	48	25	1	3800	208.40	752.41
Xylenes (total)	48	0	--	--	--	--

[a] Qualifiers J and =

FIGURE 3-3

TETRACHLOROETHYLENE (PCE) CONCENTRATION IN FLUVIAL AQUIFER - SEPTEMBER 1997

Defense Distribution Depot Memphis, Tennessee

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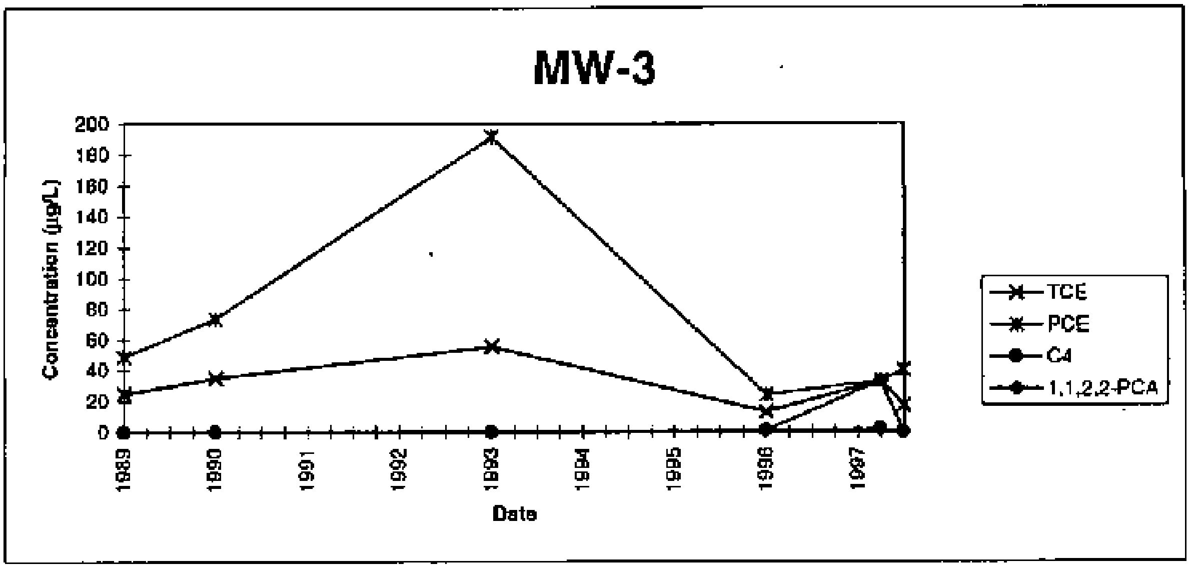
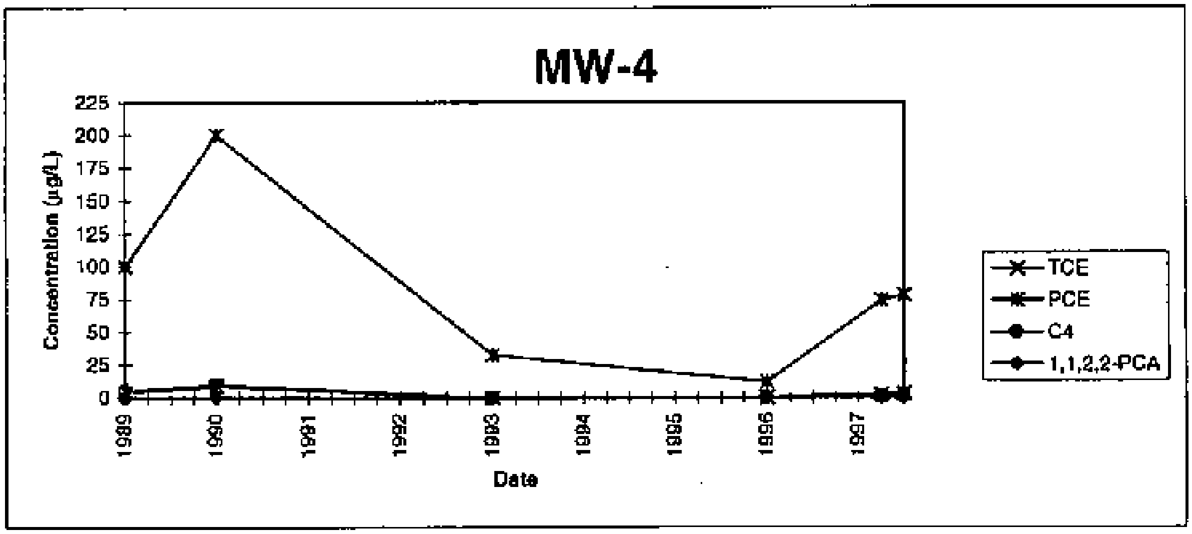
Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations





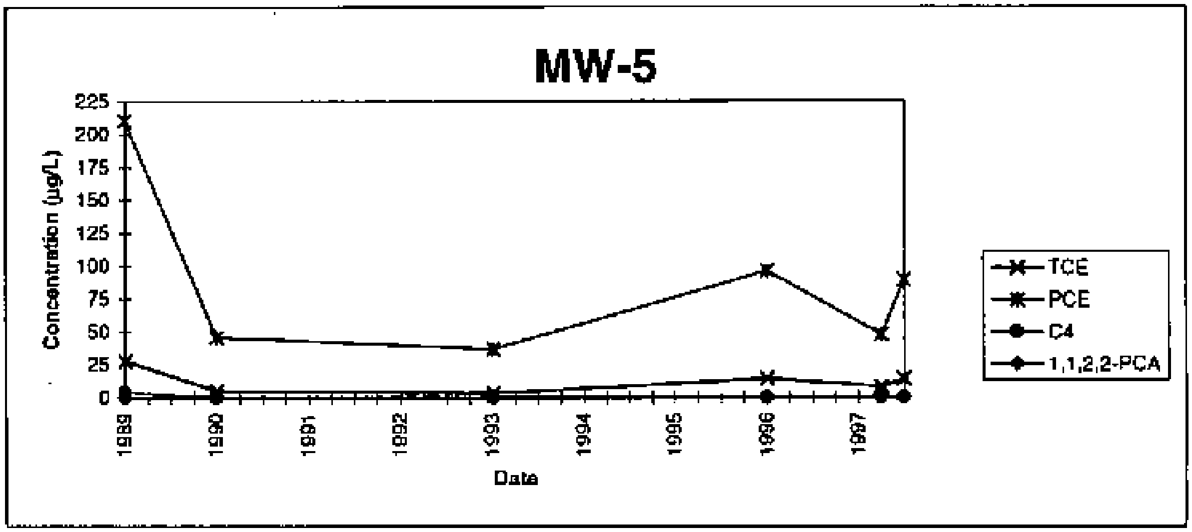


Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations

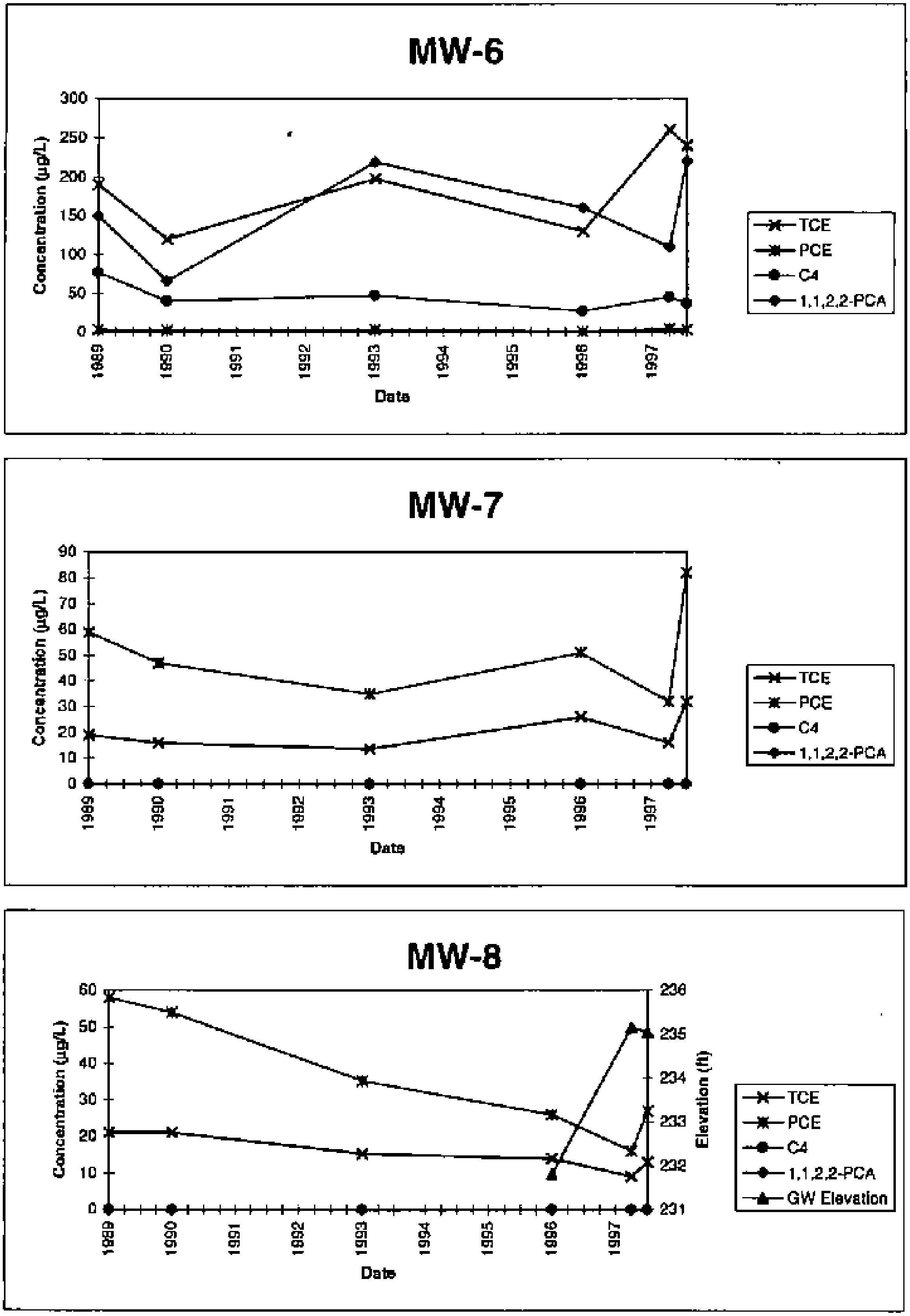
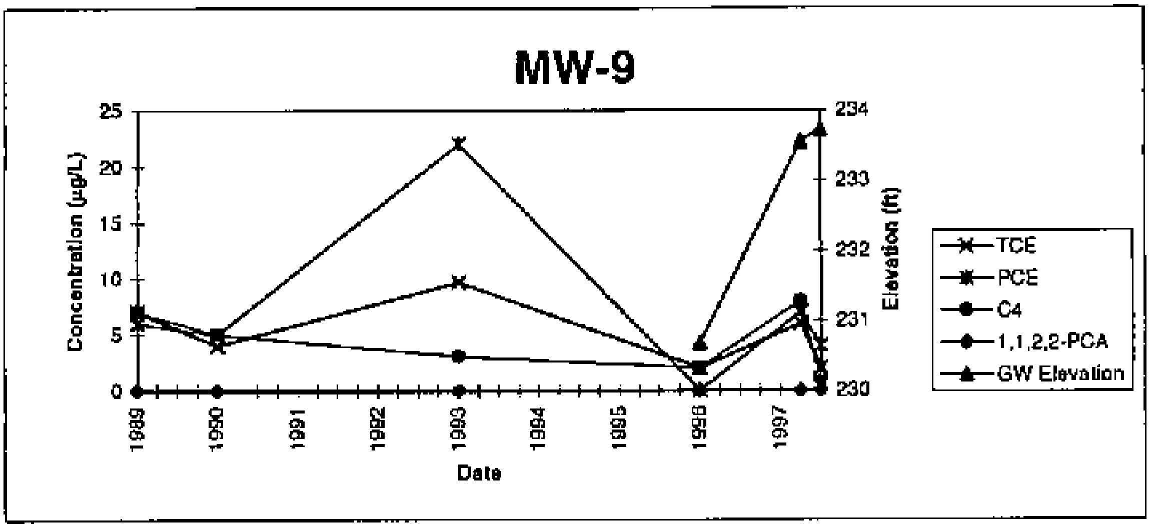
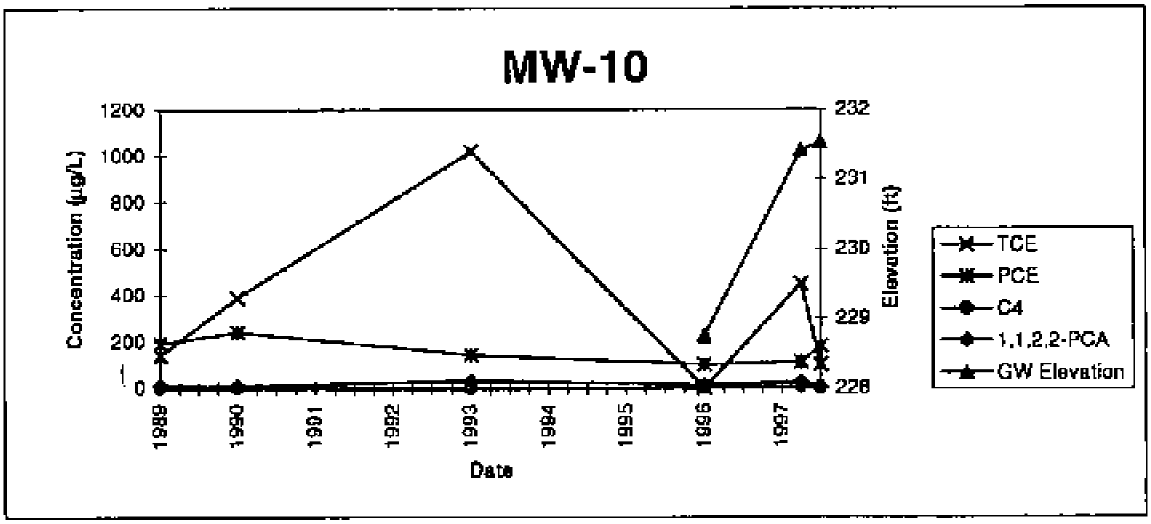


Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations





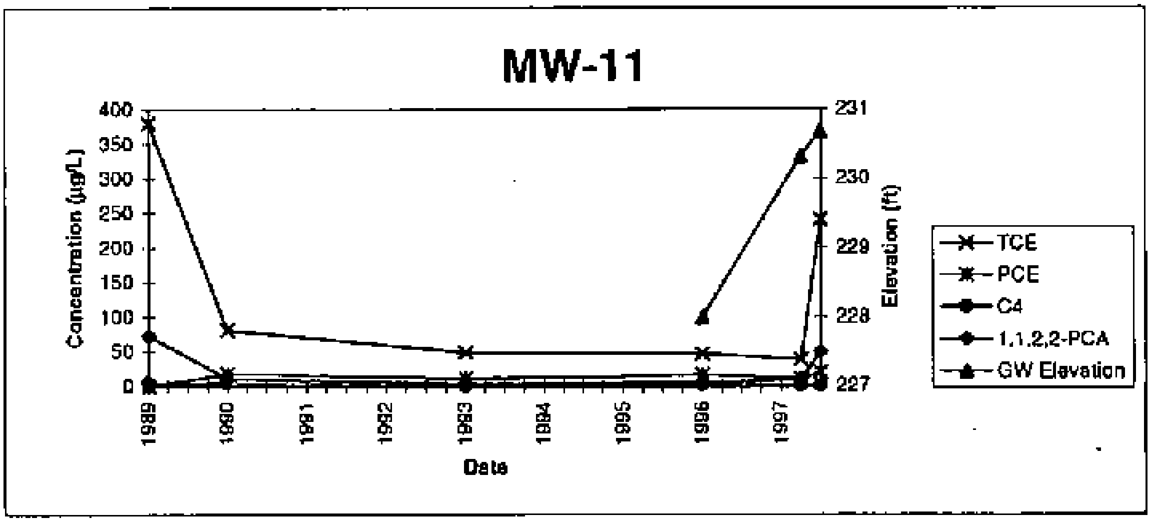
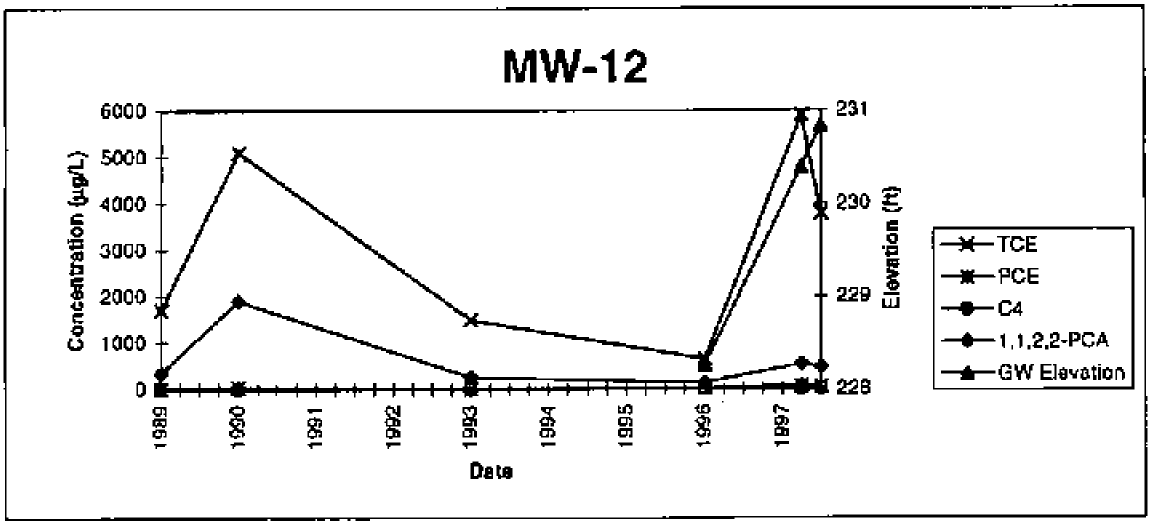
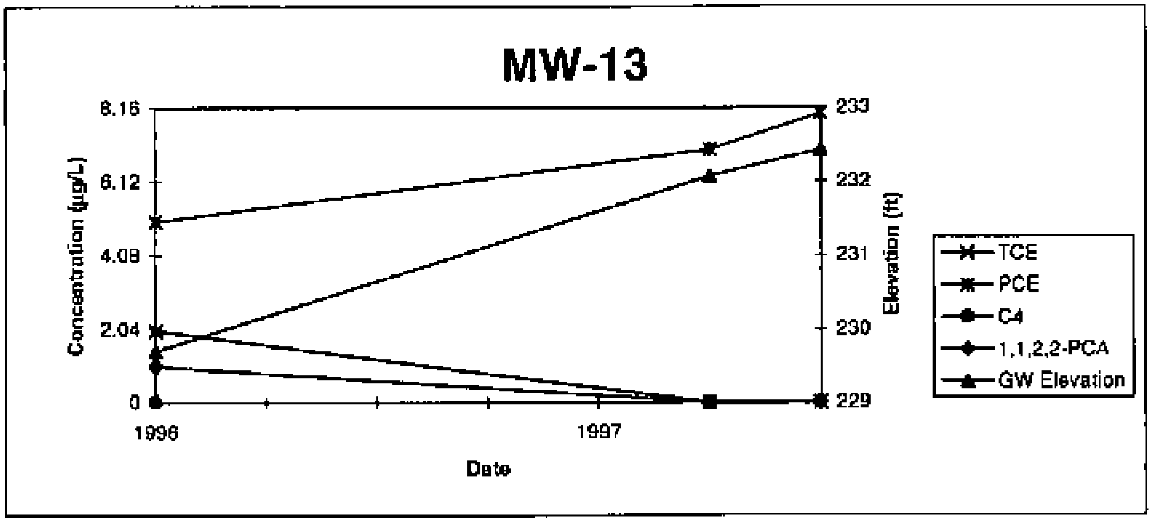


Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations





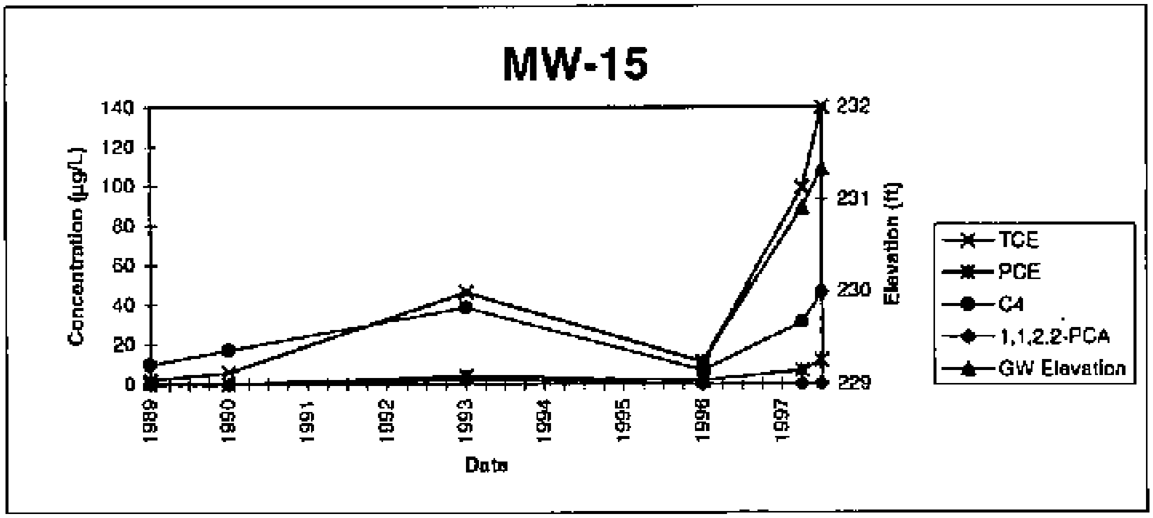


Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations

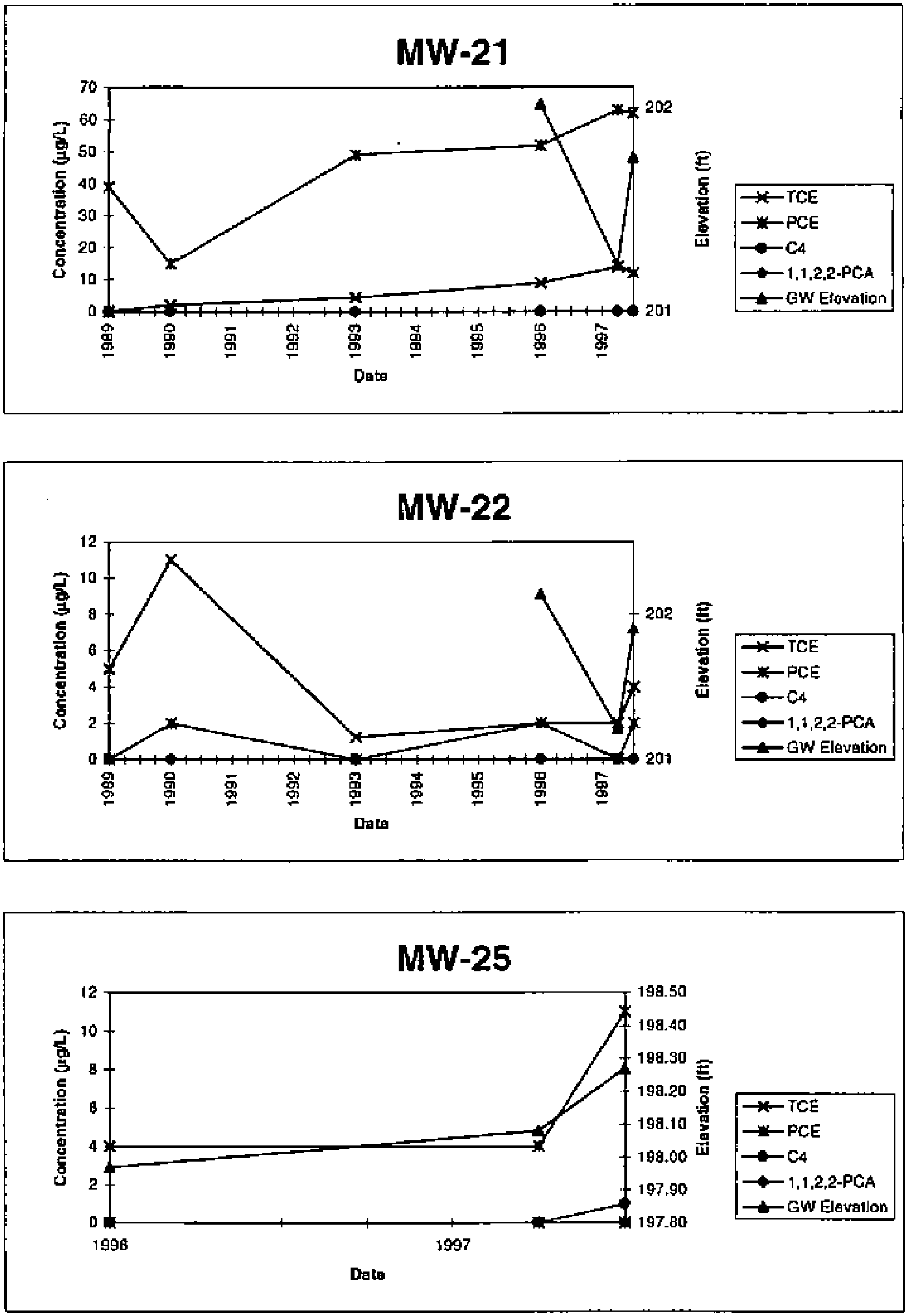


Figure 3-4 Temporal Trends In VOC Concentrations and Groundwater Elevations

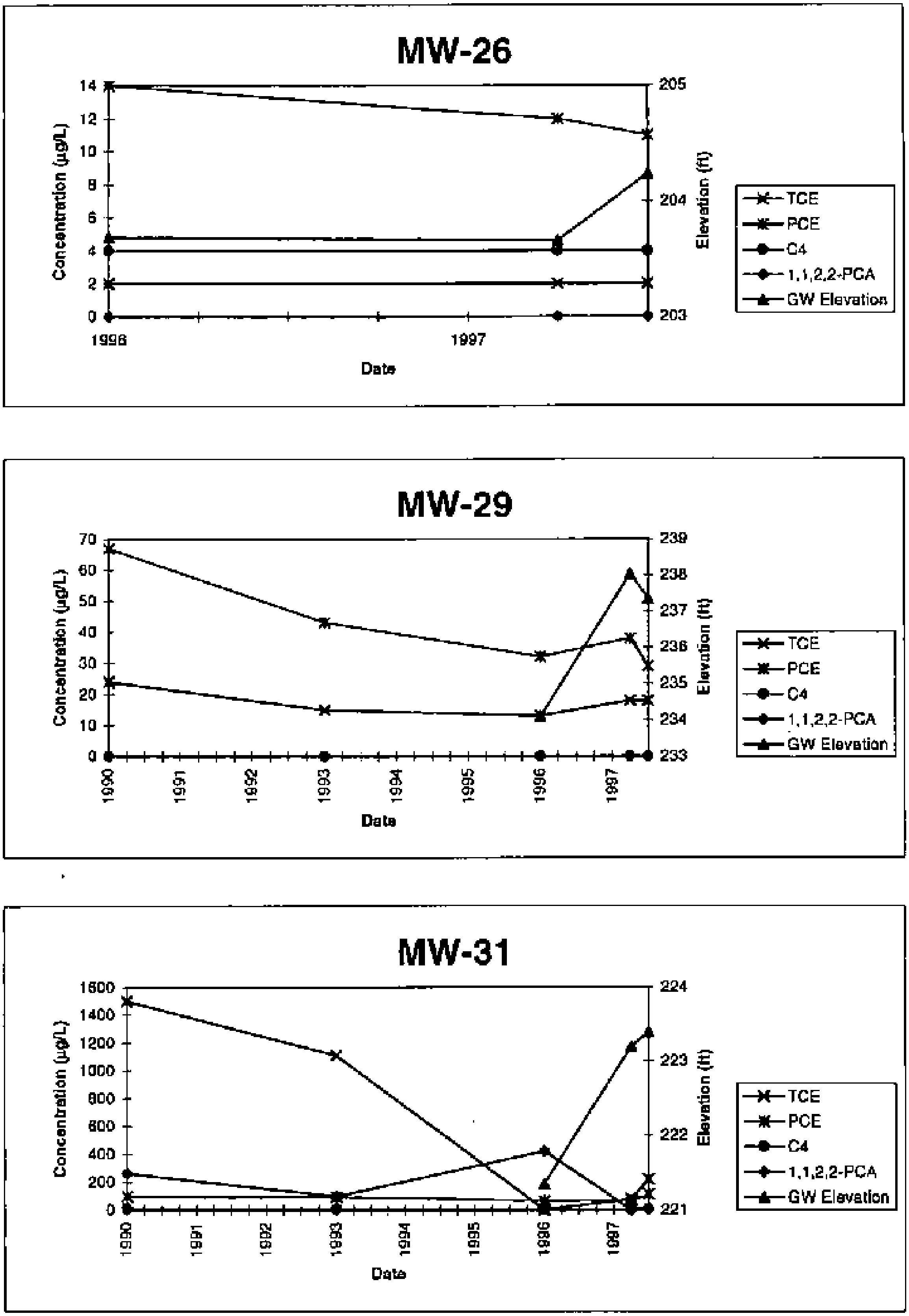


Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations

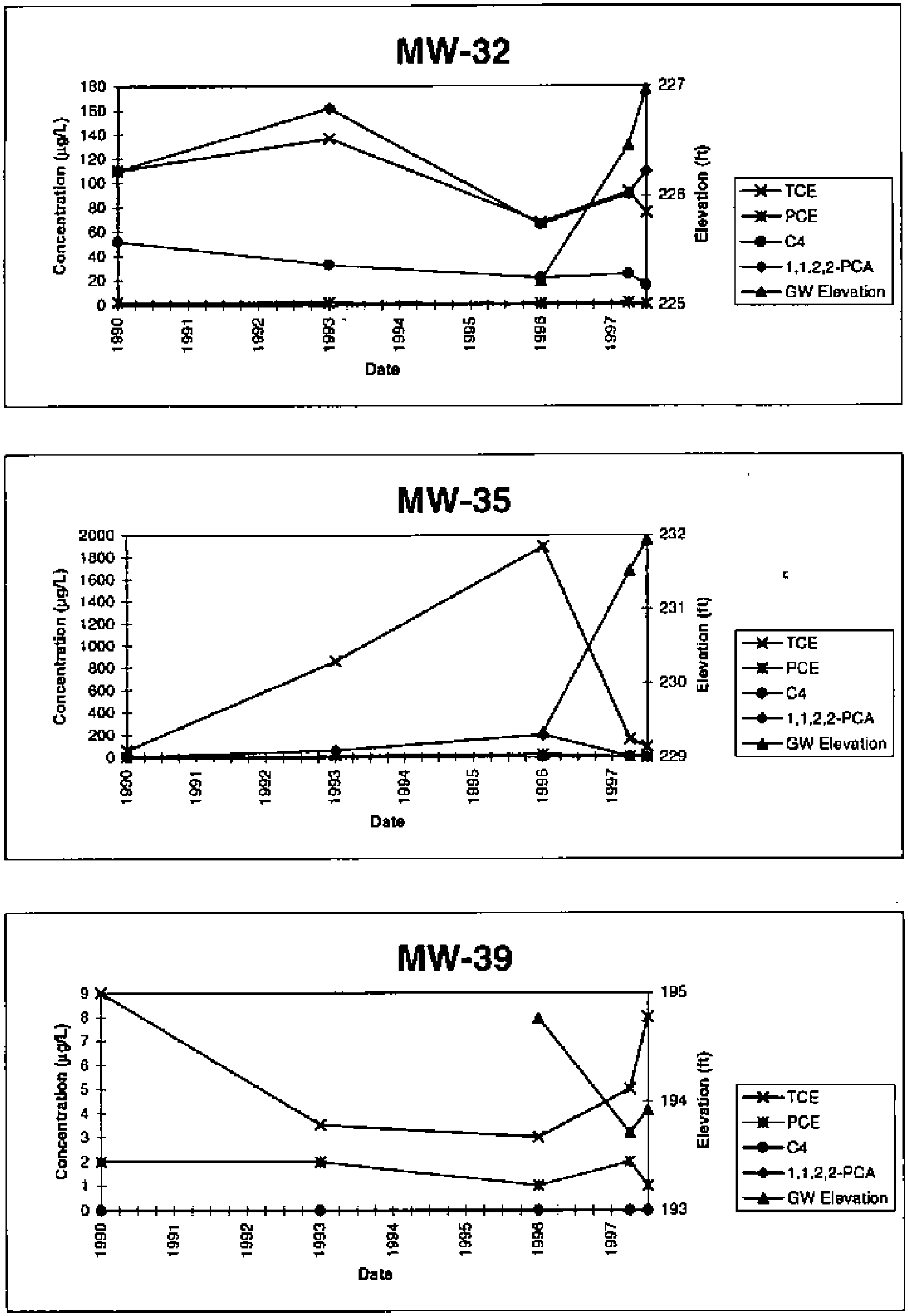
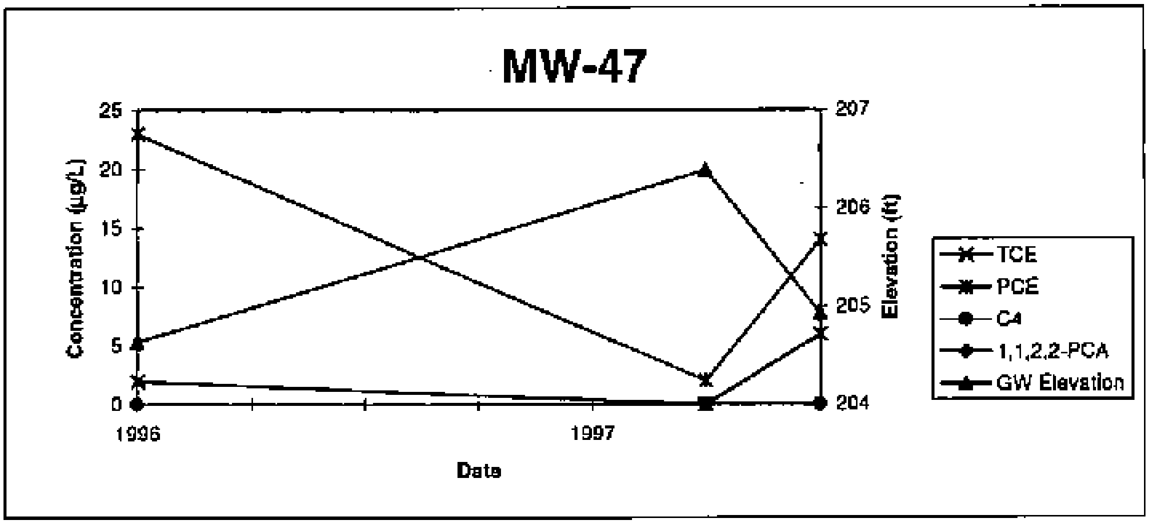
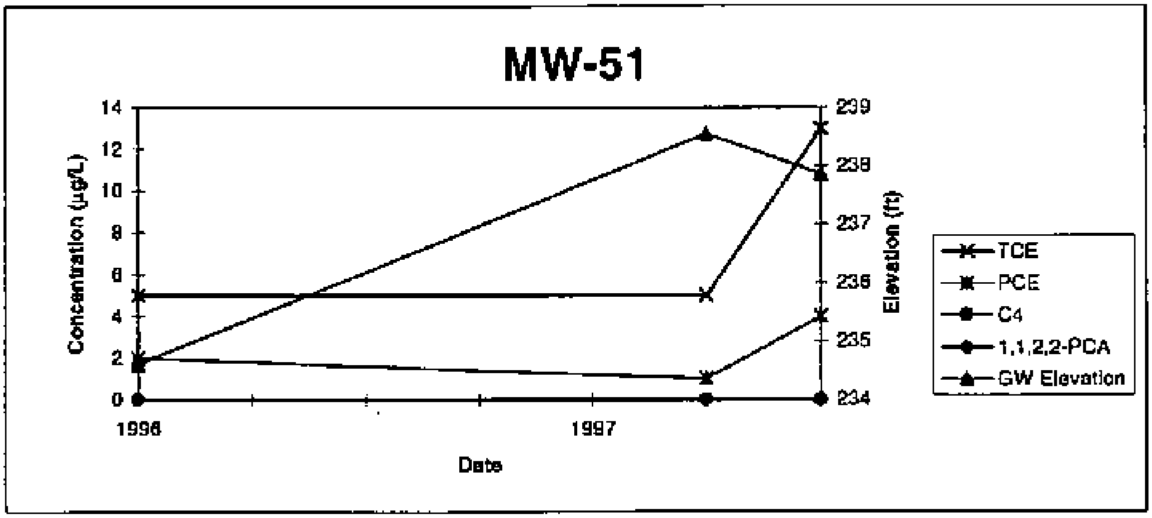
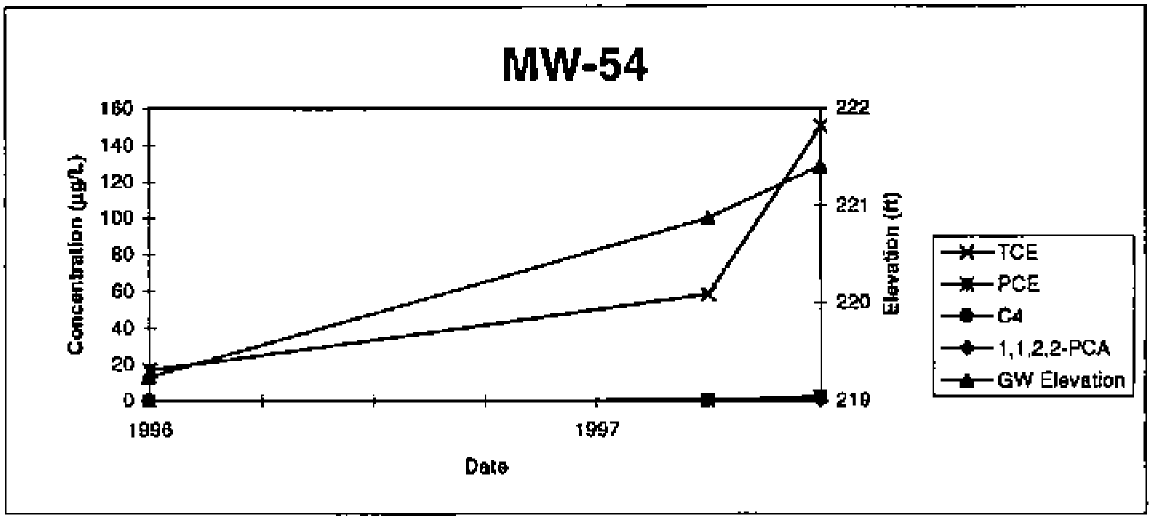


Figure 3-4 Temporal Trends in VOC Concentrations and Groundwater Elevations







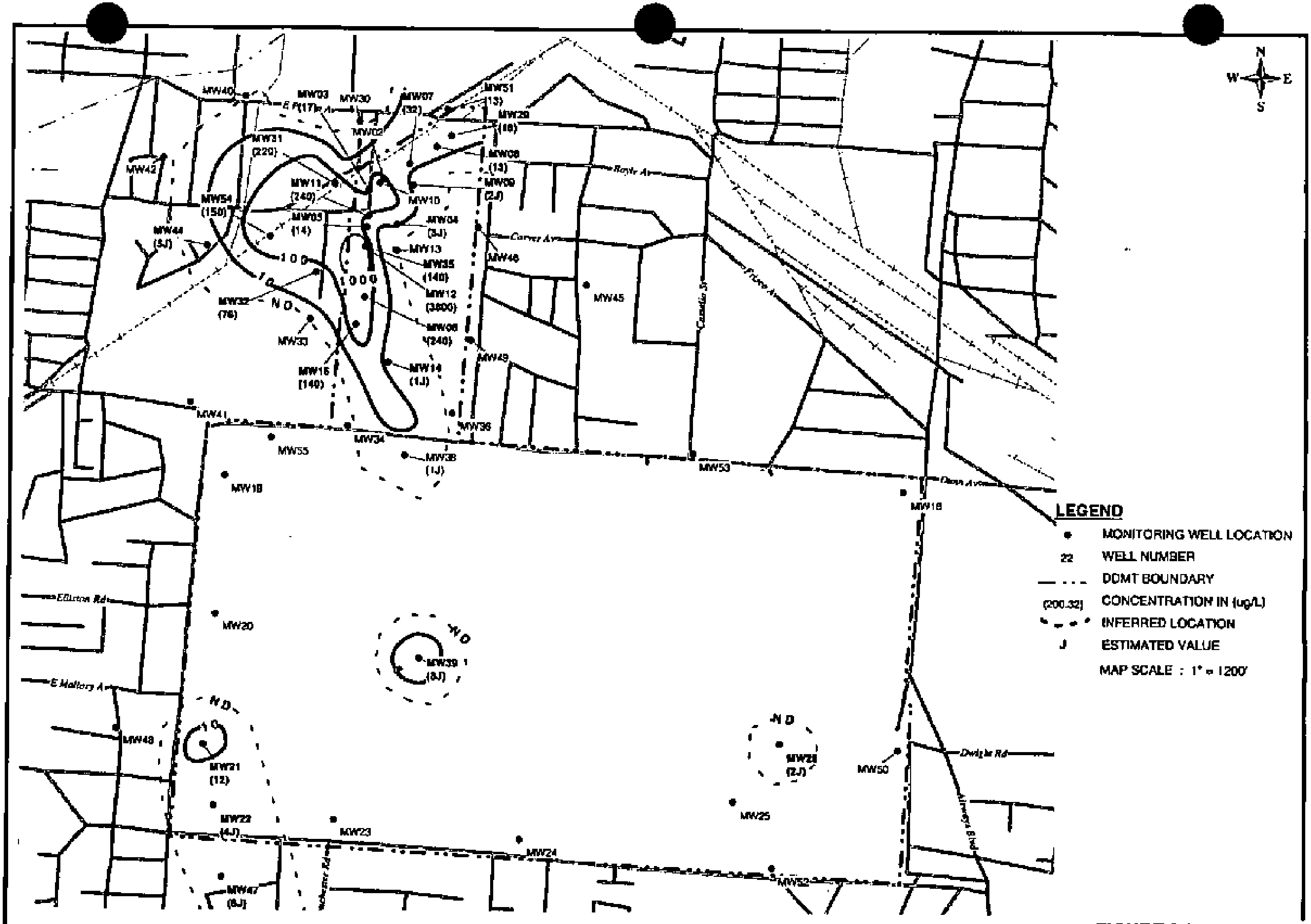


FIGURE 3-5

TRICHLOROETHYLENE (TCE) CONCENTRATION IN FLUVIAL AQUIFER - SEPTEMBER 1997

Defense Distribution Depot Memphis, Tennessee

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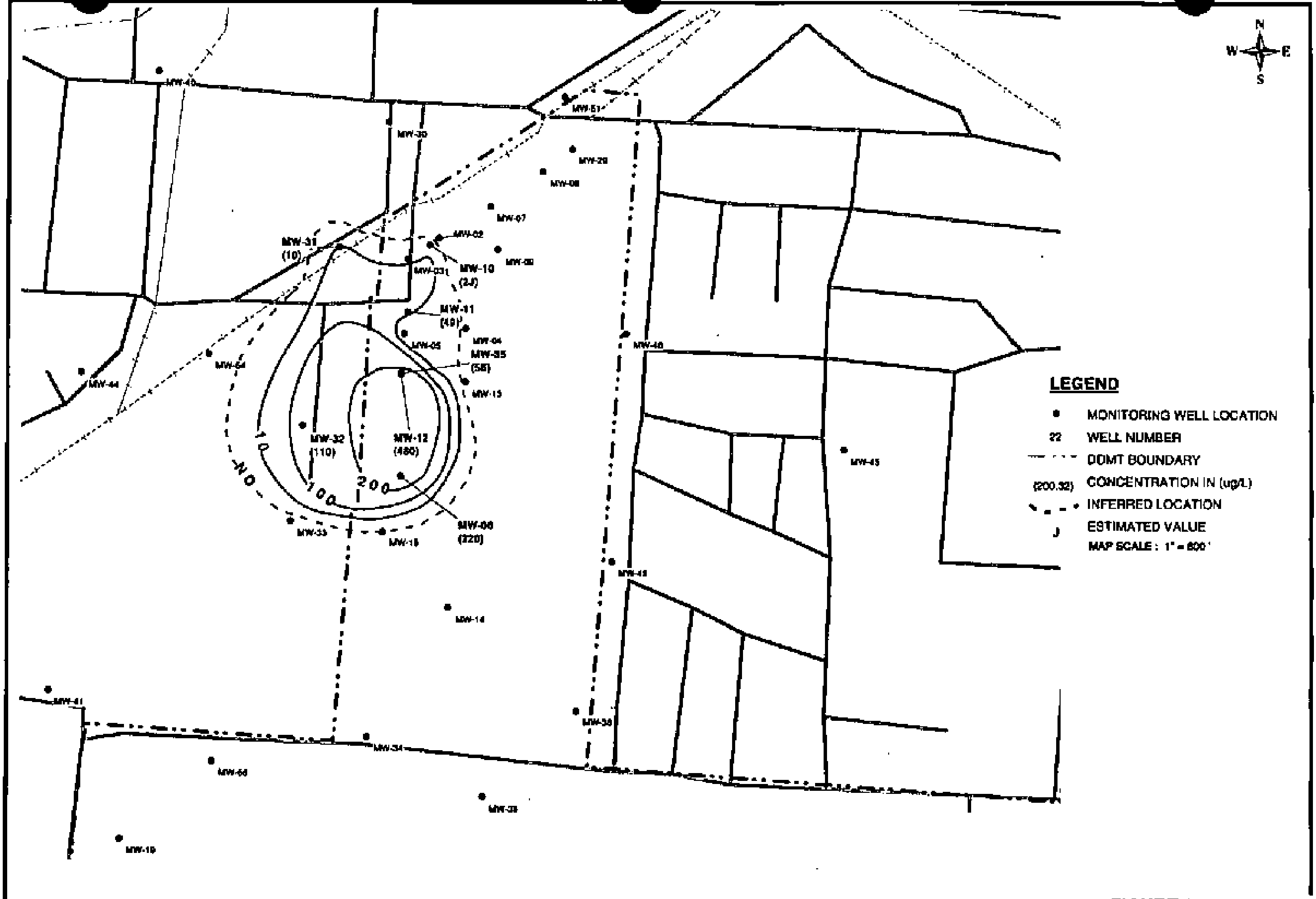


FIGURE 3-6

1,1,2,2 TETRACHLOROETHANE (1,1,2,2 -PCA) CONCENTRATION IN FLUVIAL AQUIFER - SEPTEMBER 1997

Defense Distribution Depot Memphis, Tennessee

CH2MHILL

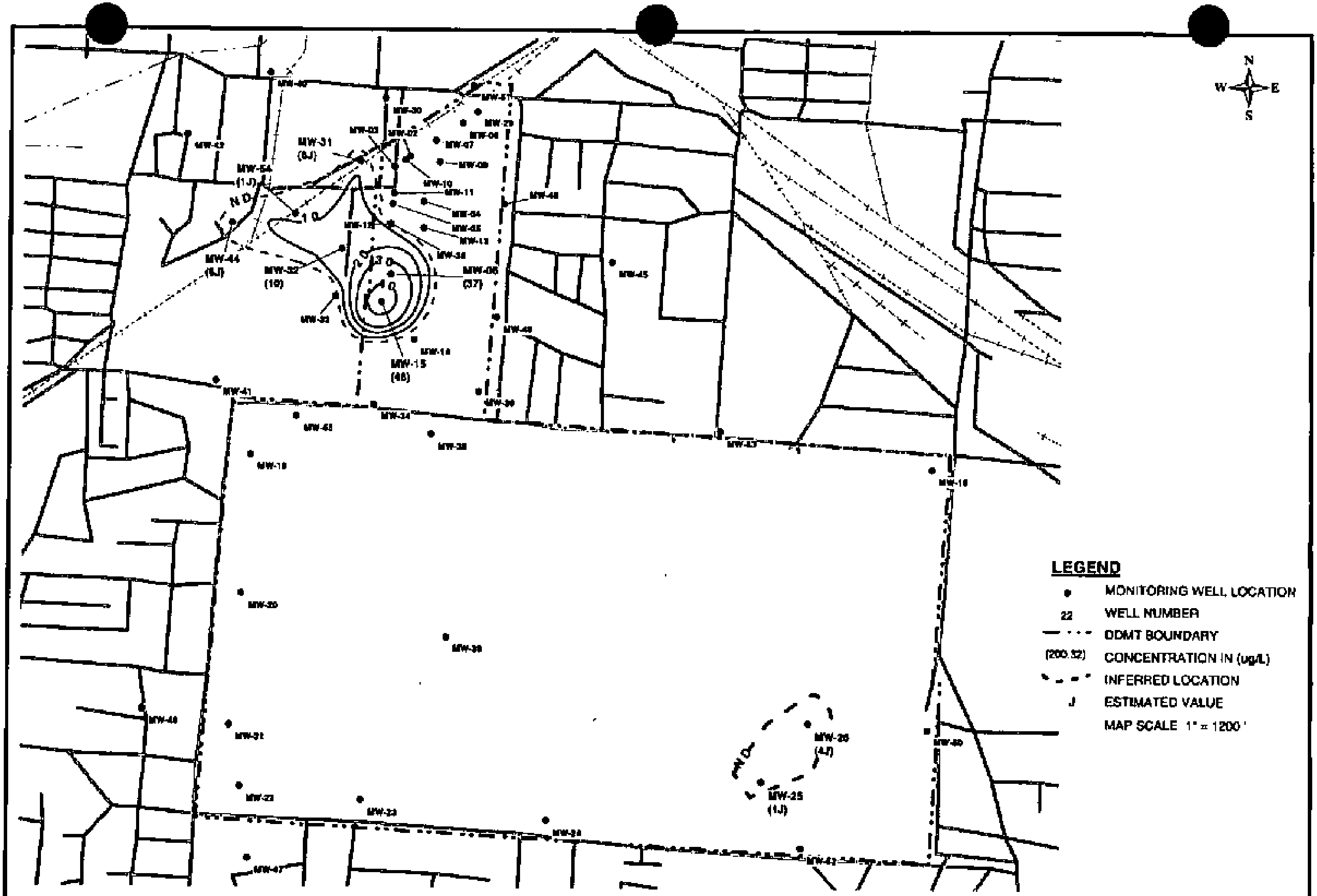


FIGURE 3-7

CARBON TETRACHLORIDE (C4) CONCENTRATION IN FLUVIAL AQUIFER - SEPTEMBER 1997

Defense Distribution Depot Memphis, Tennessee

CH2MHILL

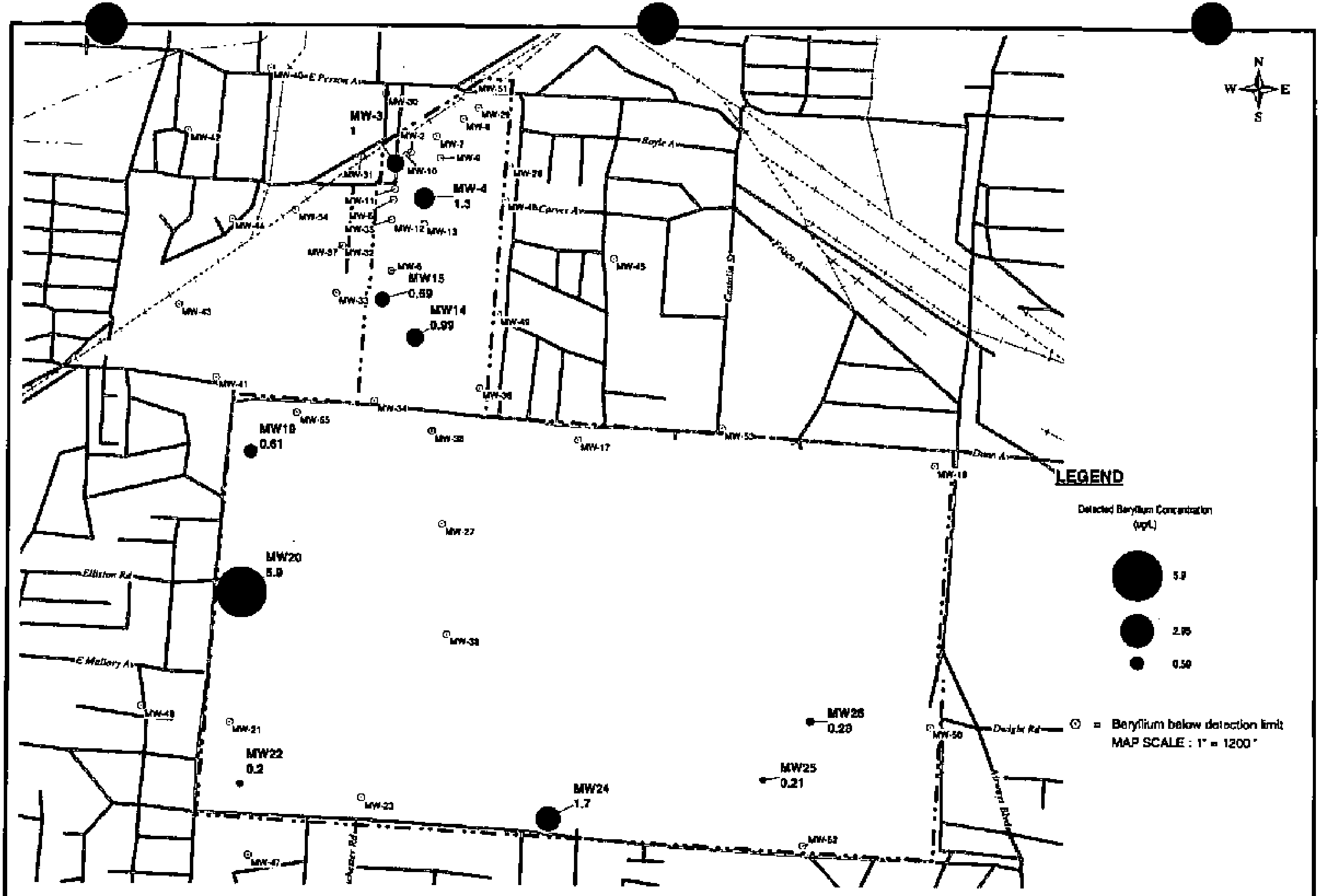


FIGURE 3-8
DISTRIBUTION OF BERYLLIUM IN
FLUVIAL AQUIFER WELLS - SEPTEMBER, 1997
Defense Distribution Depot Memphis, Tennessee

CH2MHILL

Figure 3.9 Temporal Trends in Metals Concentrations

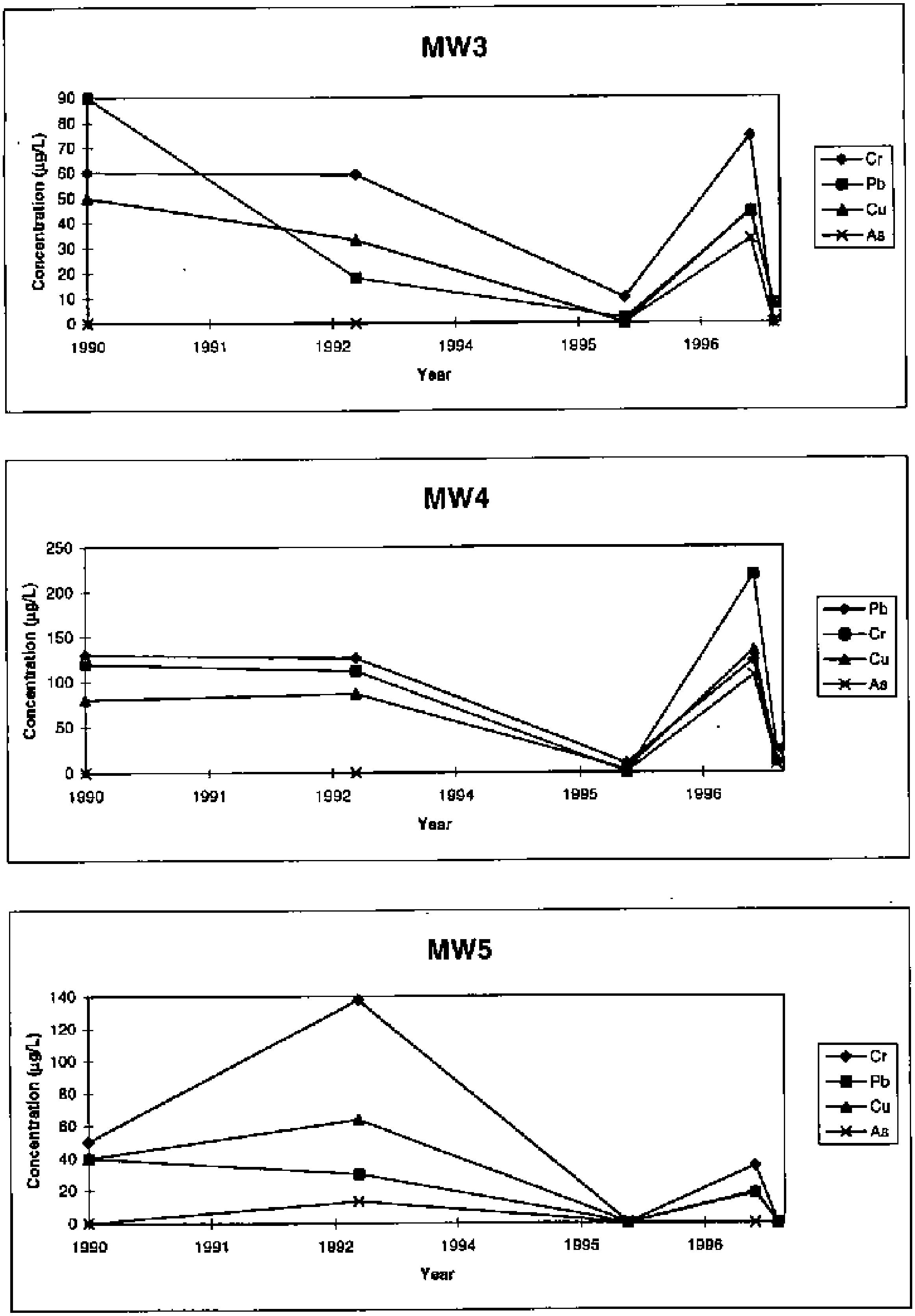
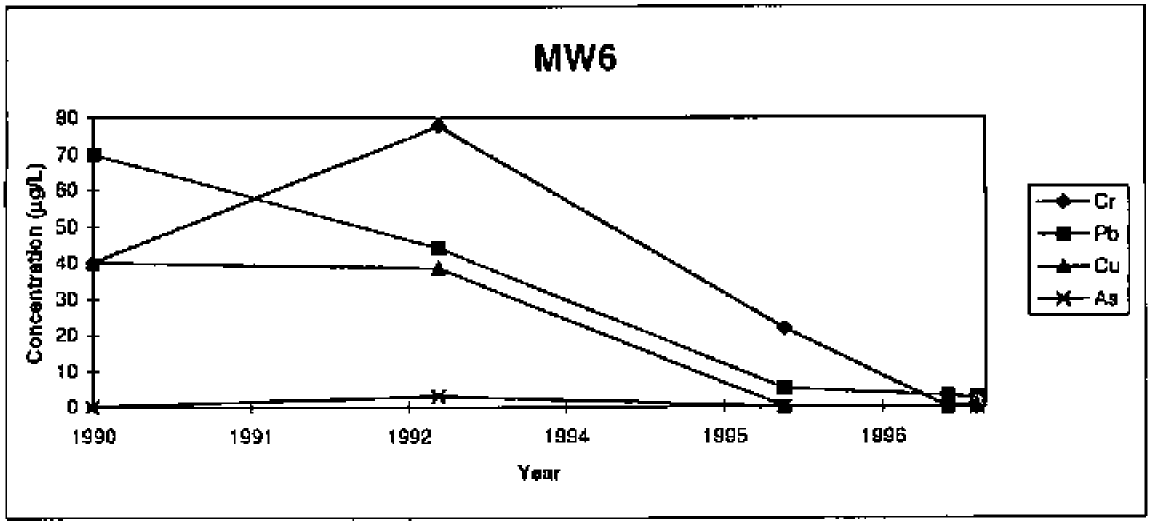
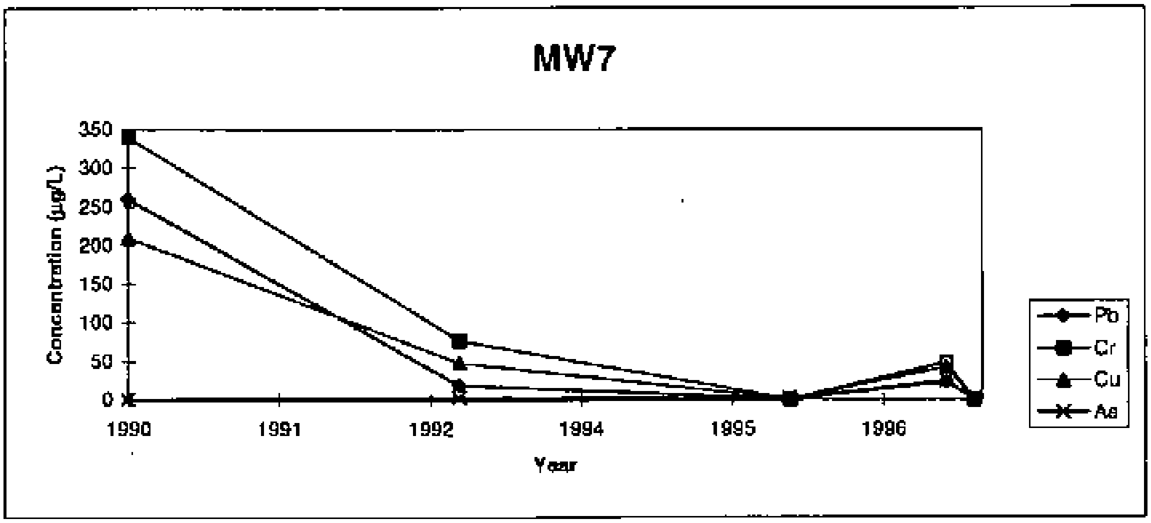


Figure 3.9 Temporal Trends in Metals Concentrations





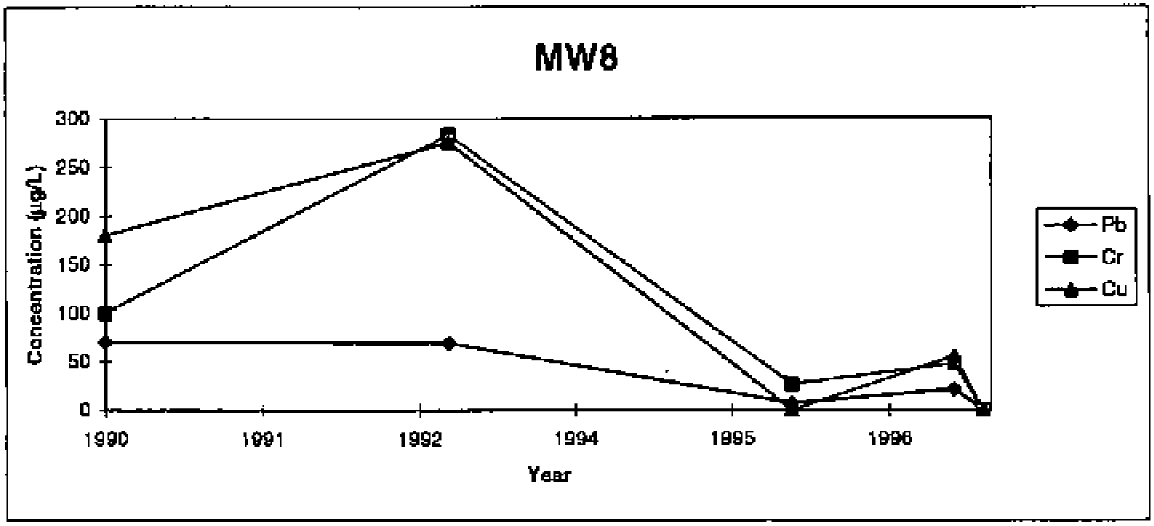


Figure 3.9 Temporal Trends in Metals Concentrations

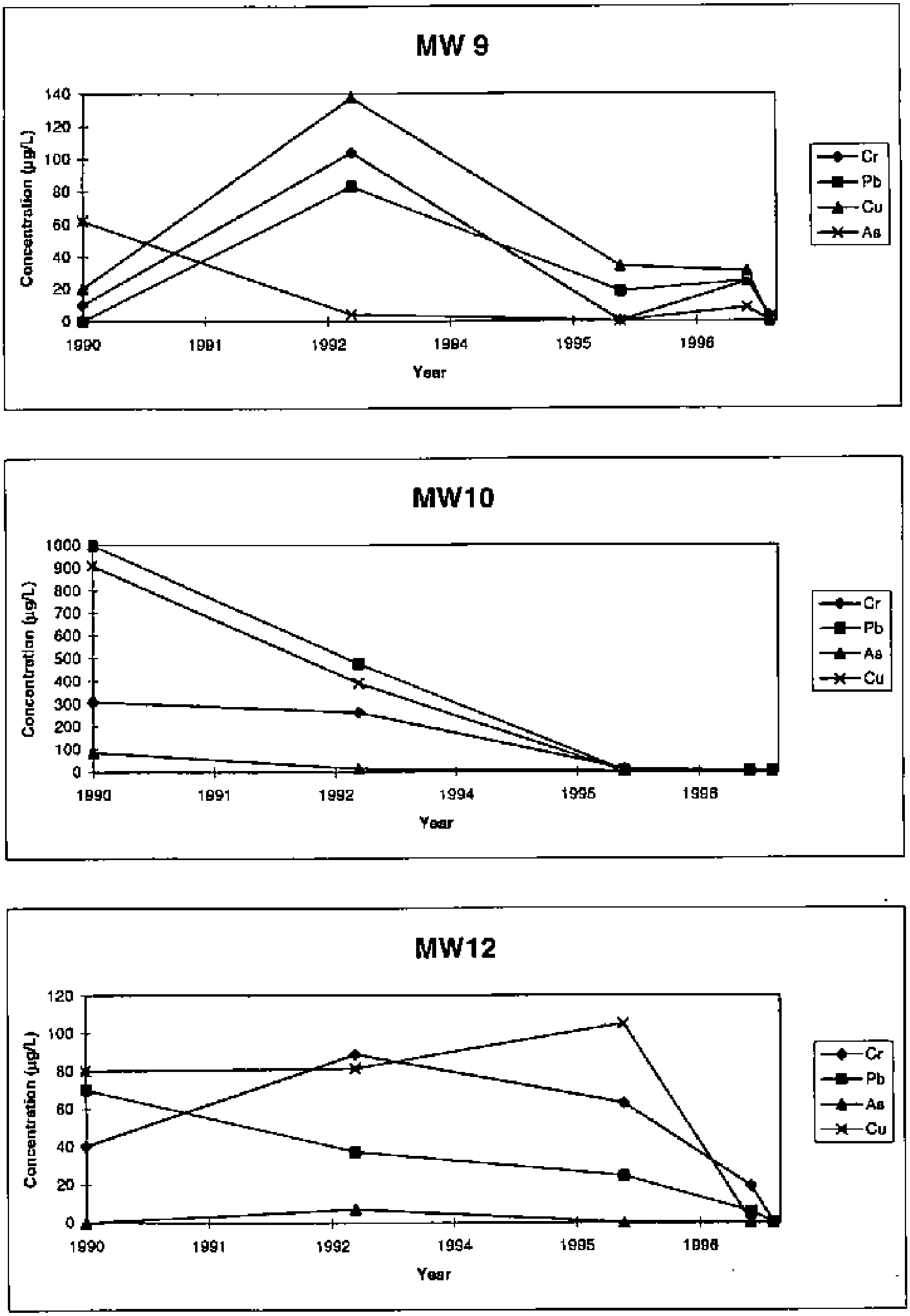


Figure 3.9 Temporal Trends in Metals Concentrations

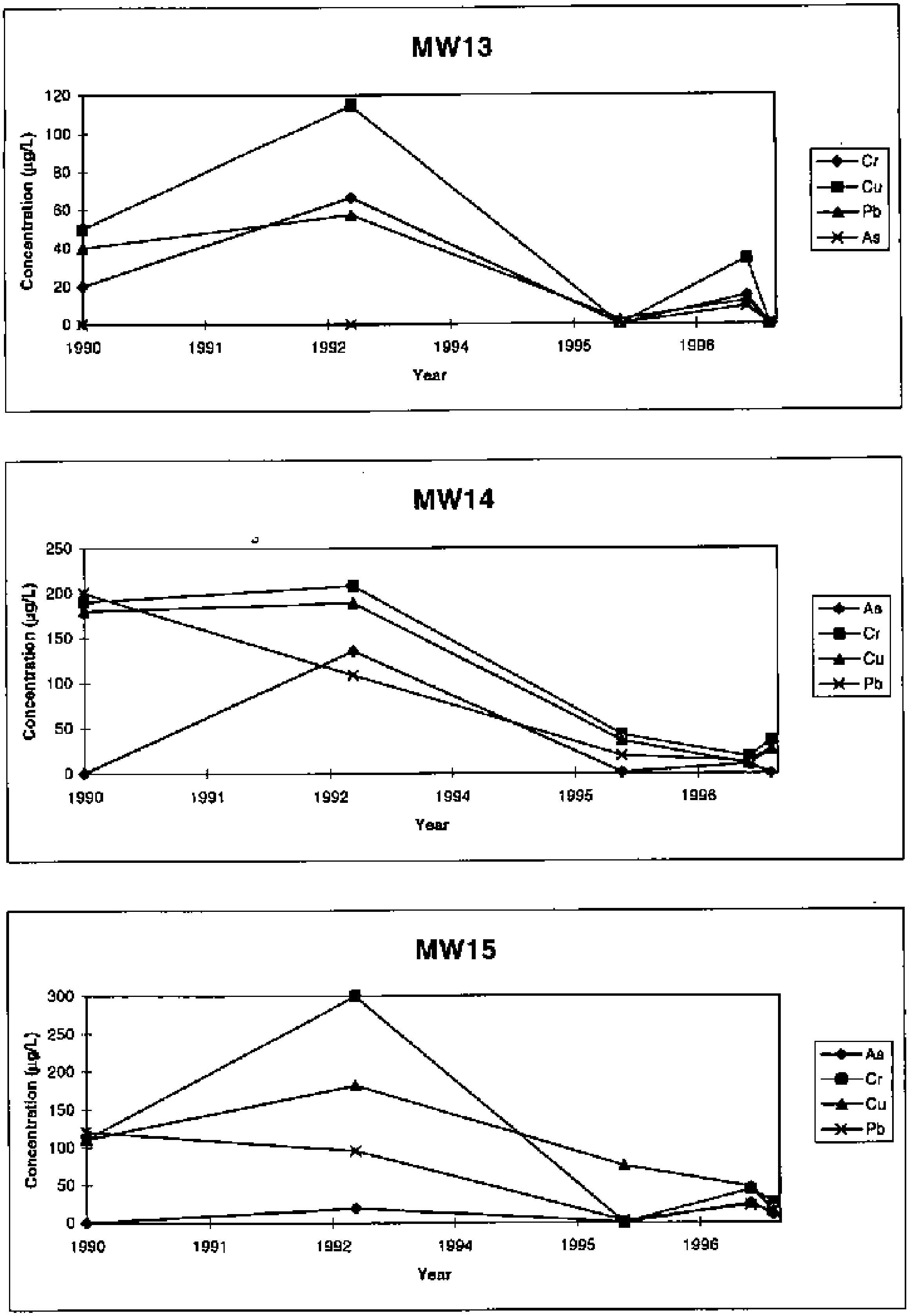


Figure 3.9 Temporal Trends In Metals Concentrations

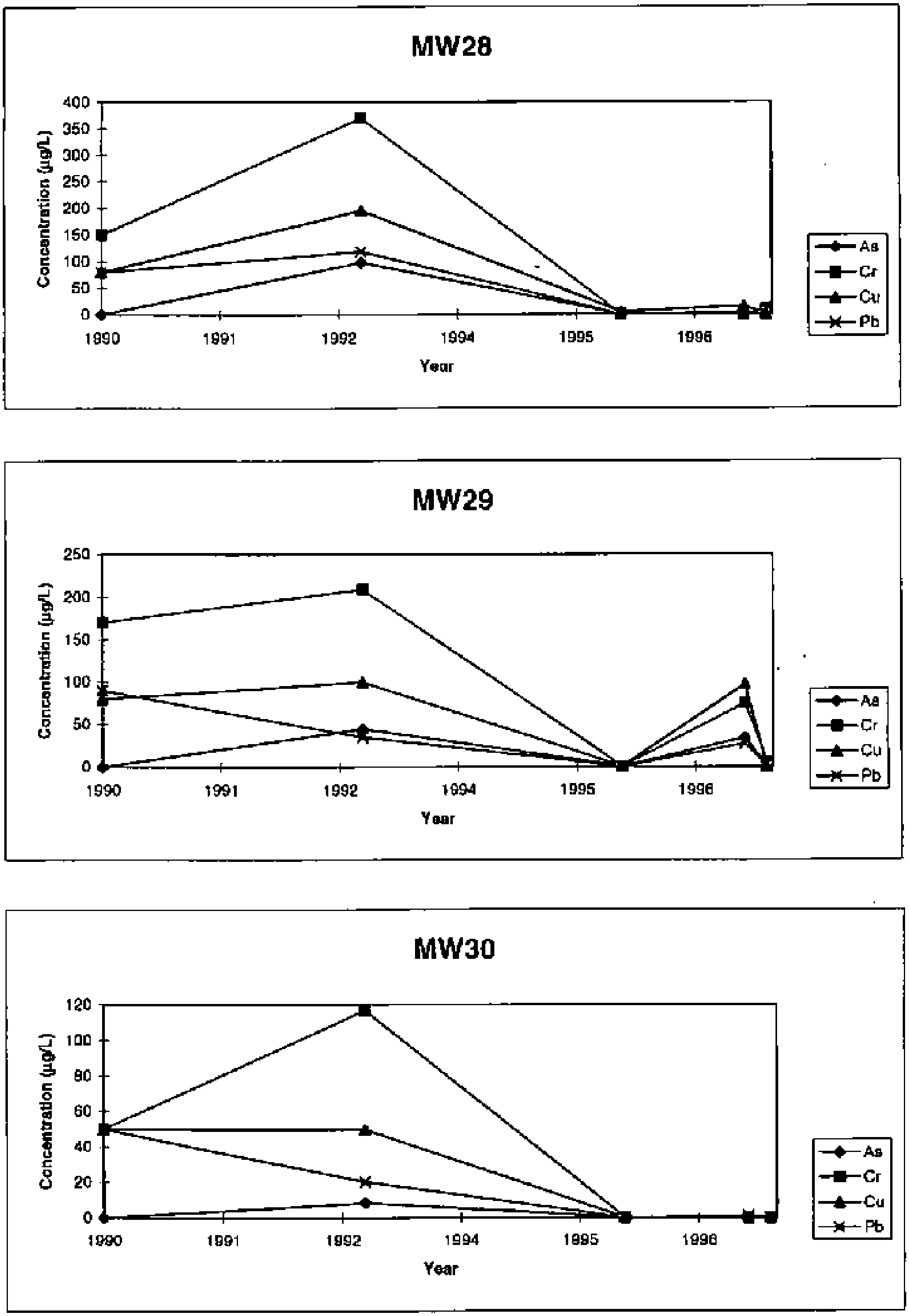
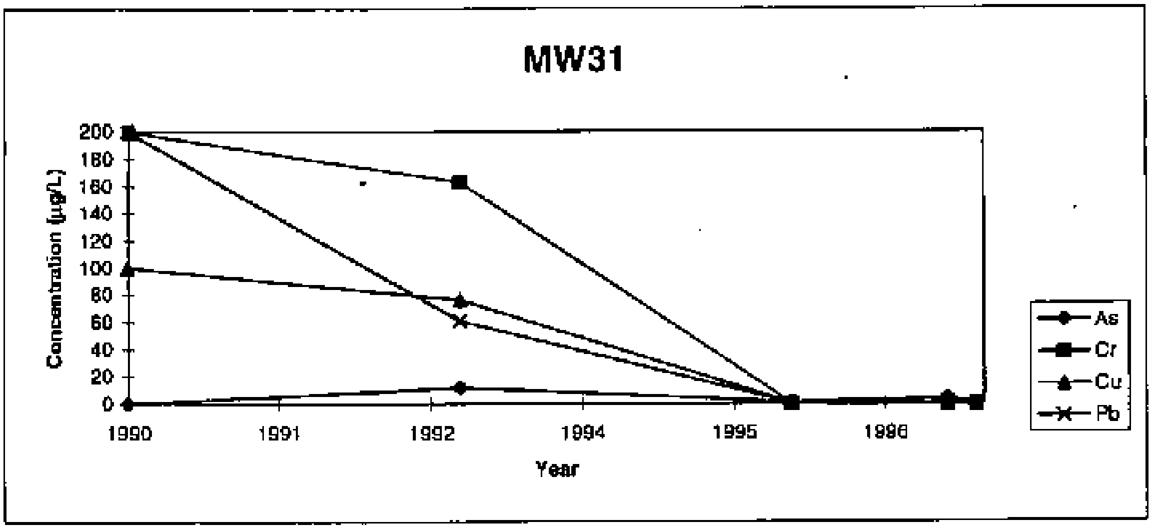
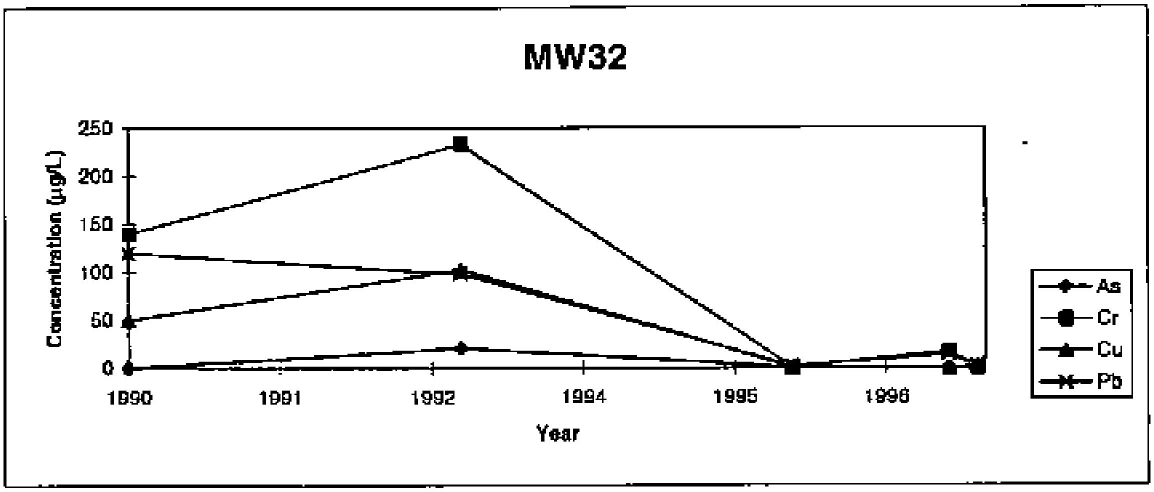


Figure 3.9 Temporal Trends in Metals Concentrations





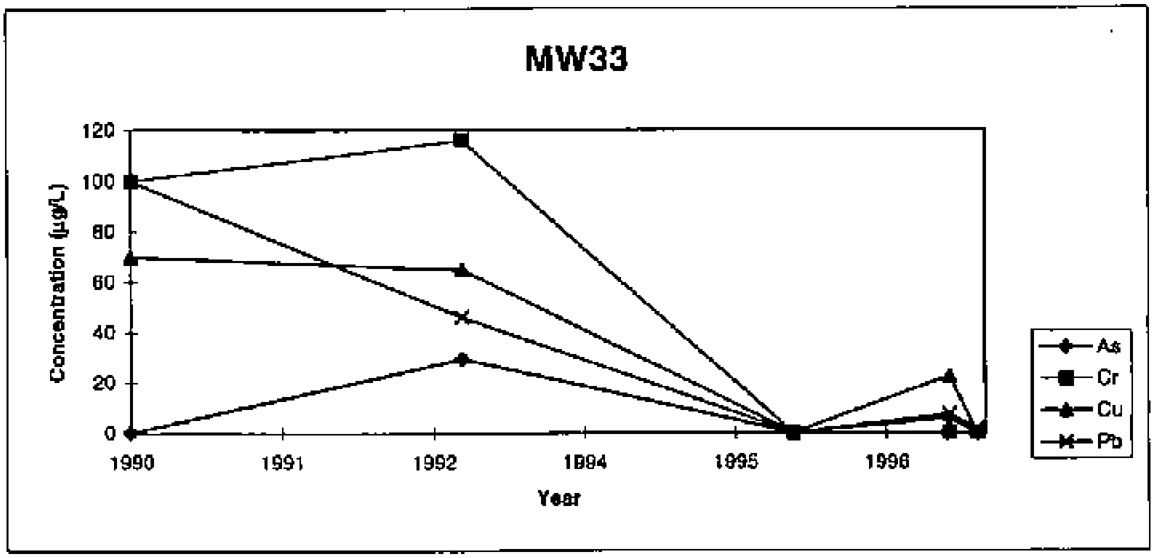
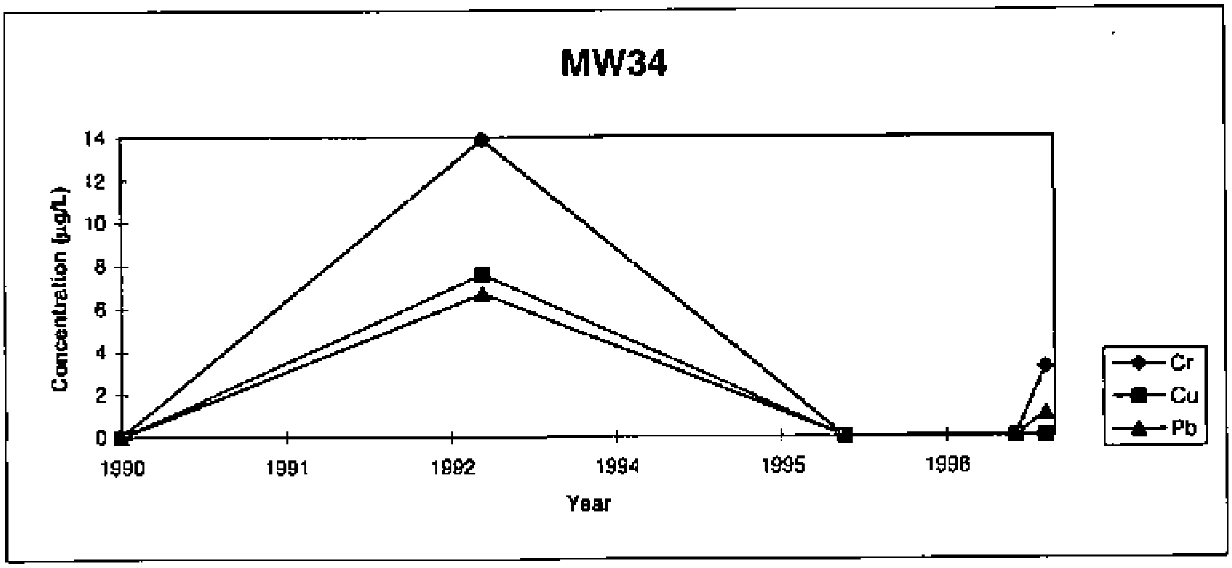
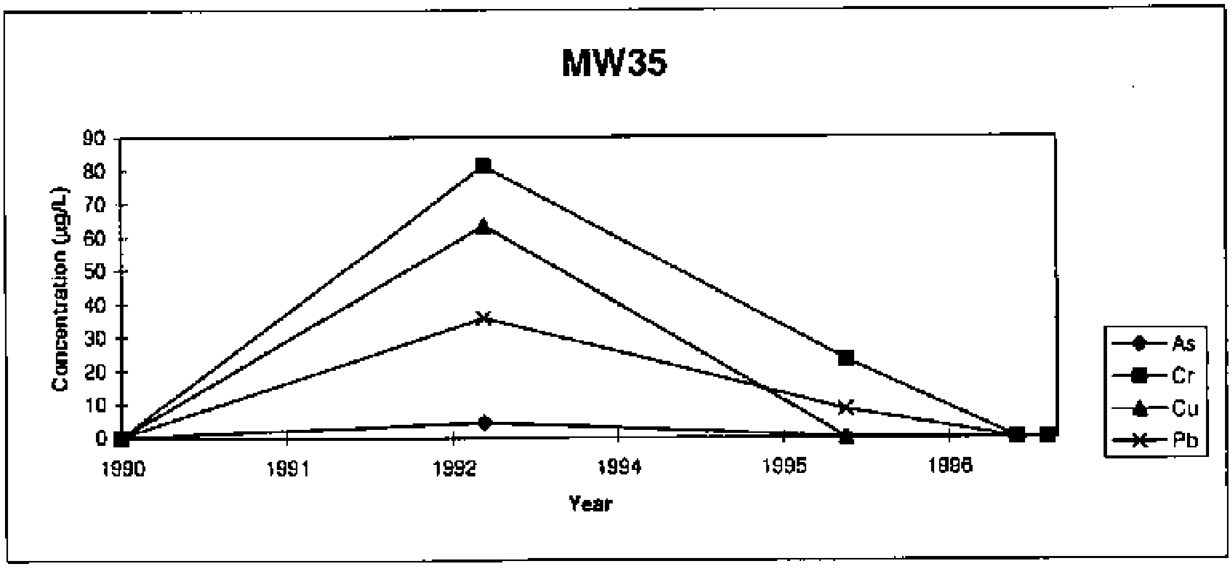
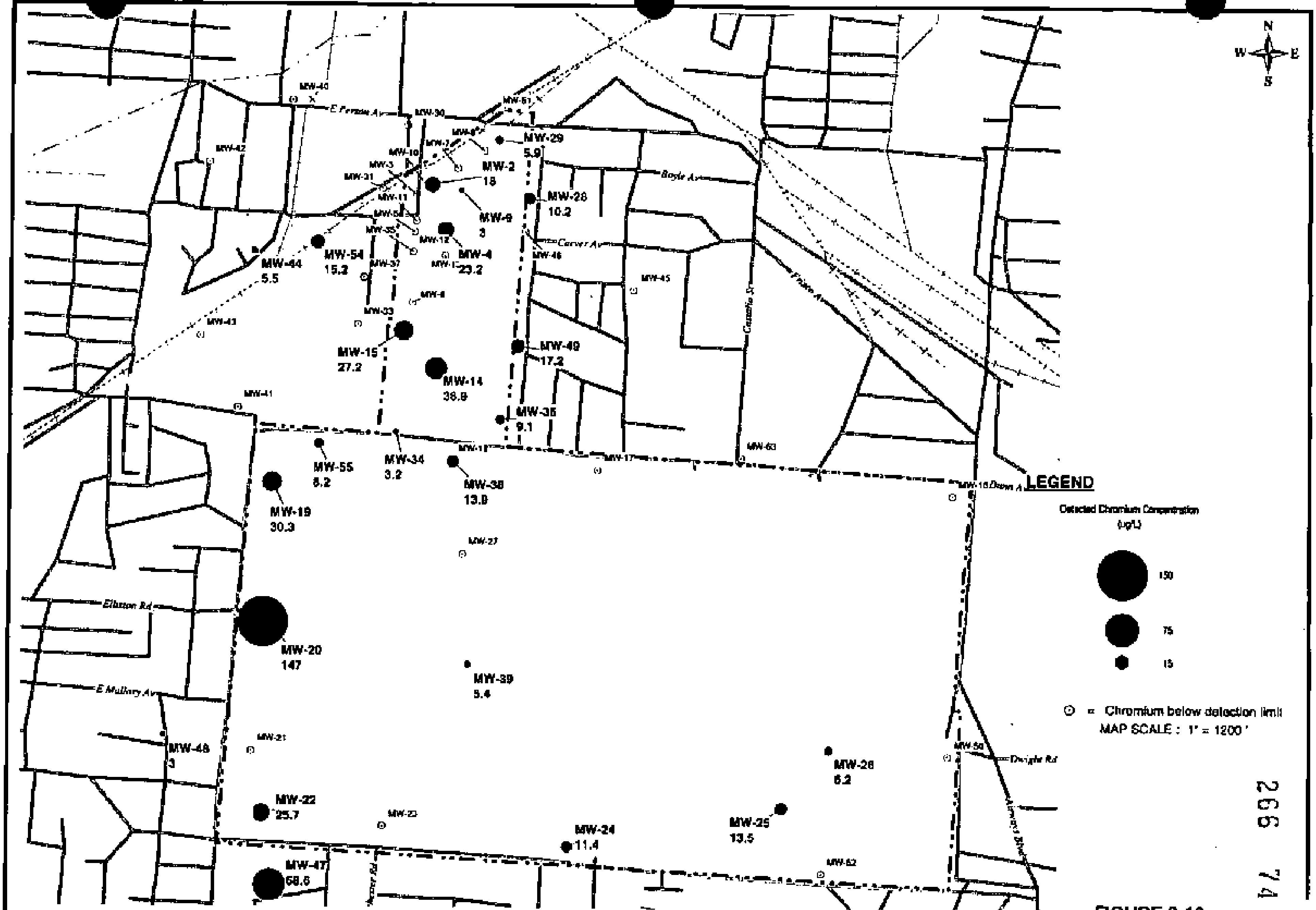


Figure 3.9 Temporal Trends in Metals Concentrations







266 74

FIGURE 3-10

DISTRIBUTION OF CHROMIUM IN

FLUVIAL AQUIFER WELLS - SEPTEMBER, 1997

Defense Distribution Depot Memphis, Tennessee

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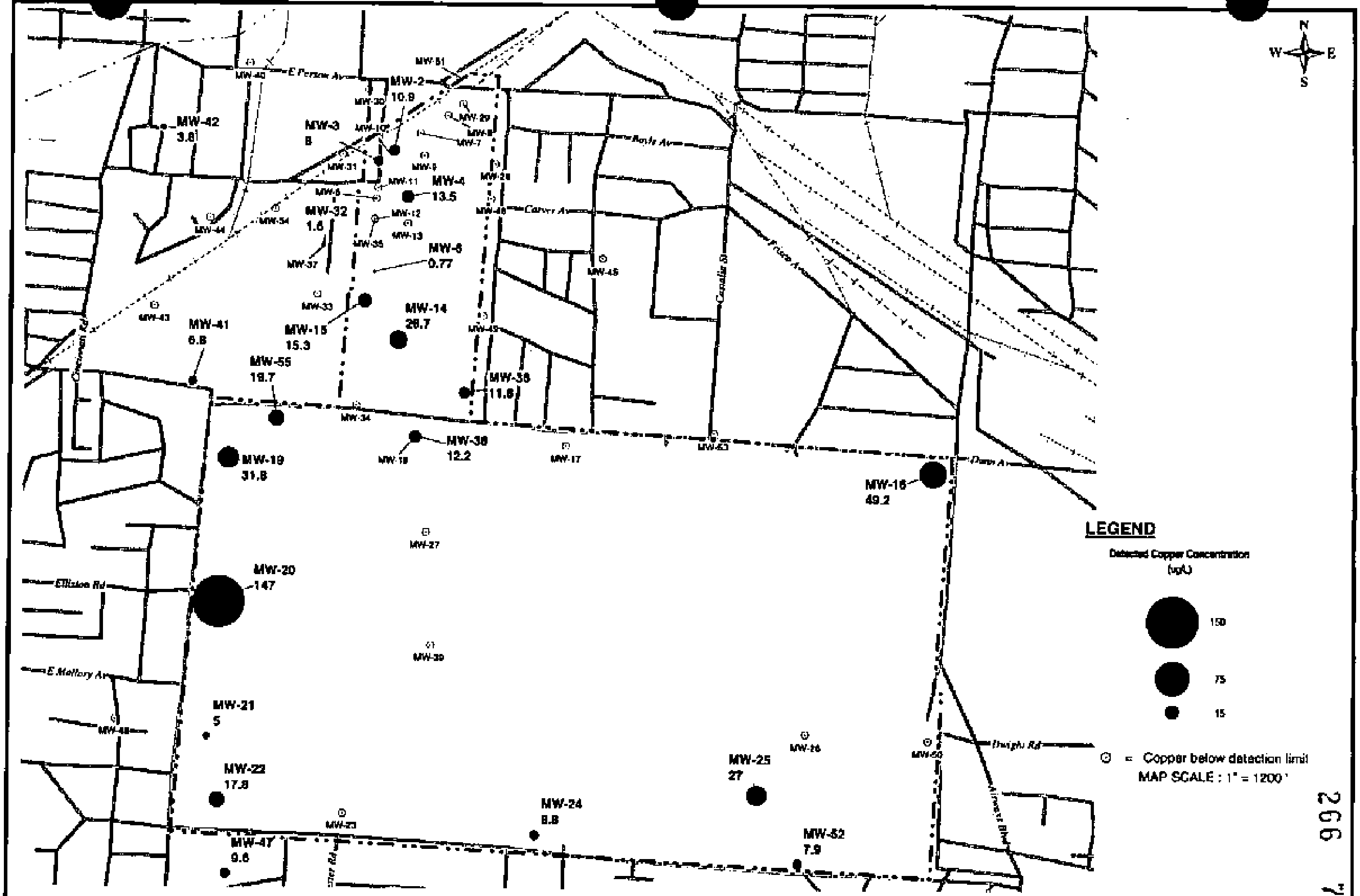

FIGURE 3-11
DISTRIBUTION OF COPPER IN
FLUVIAL AQUIFER WELLS - SEPTEMBER, 1997
Defense Distribution Depot Memphis, Tennessee

CH2MHILL

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
MW02	60.6	15600	5.2	2	173	0.09	1.1	58300	18	7	10.9	15900	13.6	27600	967	0.2	11.9	4240	3.5	0.39	18400	2.3	30.9	21.9
MW03	979	6910	2	2	133	1	0.1	23300	16.7	12.6	6	34000	7.5	11700	116	0.08	10.2	3390	3.5	0.39	1900	2.3	34.5	33.7
MW04	71.6	8850	3.9	9.1	74	1.3	0.1	13100	23.2	16.1	13.5	41700	12.3	7050	148	0.14	10.4	3890	3.5	0.39	19900	2.3	34	23.2
MW05	11.4	32.7	2	2	59.2	0.09	0.1	16800	1.5	0.77	0.67	133	0.99	8700	0.9	0.08	1.6	1060	3.5	0.39	38000	3.9	0.33	19.7
MW06	113	1460	2	2	383	0.09	0.73	176000	0.39	3.9	0.77	4730	2.7	31800	5500	0.52	15.8	4790	3.5	0.39	30800	2.3	4.7	19.1
MW07	28.7	358	2	2	75.9	0.11	0.1	19300	2.2	2	0.67	2700	0.99	9510	15.5	0.08	1.7	1370	3.5	0.39	22100	3.3	2.7	5.1
MW08	26.8	982	3.2	2	63.9	0.09	0.1	15500	2.5	0.72	1.3	2530	0.99	7400	12	0.14	1.4	1440	3.5	0.39	28800	2.3	2.6	0.86
MW09	7	683	2	2	63.6	0.09	4.1	17300	3	3.3	3	1340	1.8	6030	113	0.08	2.7	17600	3.5	0.39	13300	2.3	2.1	1.8
MW10	35.7	215	2	2	102	0.09	1	25100	1.7	0.51	5.5	784	1.8	11900	43.8	0.15	1.3	1740	3.5	0.39	23300	2.3	0.65	6.6
MW11	16.4	158	2	2	65.5	0.09	0.42	13800	1.4	1.1	0.67	589	0.99	7110	21	0.08	1.4	807	3.5	0.39	17300	2.3	0.82	4.5
MW12	10.1	101	2	2	52.9	0.09	0.1	14400	0.82	0.62	0.67	465	0.99	7610	10.1	0.08	0.8	716	3.5	0.39	16600	2.3	0.67	1.8
MW13	5.62	109	2	2	37.6	0.09	1.3	11900	2	0.53	0.67	276	0.99	6050	4.2	0.1	1.3	716	3.5	0.39	17300	2.3	0.39	1.9
MW14	1000	14200	6.4	16.6	253	0.99	13.5	19500	36.9	42.8	26.7	52600	27.3	9130	979	0.22	17	1560	3.5	0.39	12500	2.3	58.6	75
MW15	504	12000	4.6	11	130	0.69	0.16	15000	27.2	20	15.3	39700	13.6	7600	279	0.23	11.1	4480	3.5	0.39	18000	2.3	52.5	28.9
MW16	33.7	1380	2	4.3	53	0.09	3.5	31500	3.8	2.4	49.2	1940	3.8	12200	257	0.08	5	5080	3.5	0.39	29100	2.3	3.6	20.3
MW19	851	15100	4.8	14.4	219	0.61	5.7	15100	30.3	7.8	31.8	33900	14.3	6180	314	0.08	11.3	3770	3.5	0.39	10100	2.3	44.7	42.1
MW20	60.6	126000	4.8	90.5	393	5.9	84.6	27400	147	38	147	136000	111	14300	1400	0.46	68.7	13900	4.1	0.39	10800	2.3	262	267
MW21	145	3640	2	2	60.7	0.3	2.3	14100	9.4	2.9	5	8520	5.9	7180	59.6	0.08	3.2	2060	3.5	0.39	15100	2.3	15.8	219
MW22	614	7910	7.7	2.5	123	0.2	5.6	27800	25.7	2.1	17.8	19700	9.1	14400	71.7	0.08	7.2	4500	3.5	0.39	41400	2.3	16.4	32.7
MW23	142	471	2	2	30.9	0.09	1.2	116000	2.4	0.54	2	757	1.3	18700	18.4	0.08	2.7	4300	3.5	0.39	10500	2.3	1.8	12.1
MW24	1000	9190	5.3	3.9	86.2	1.7	3.3	13800	11.4	13.6	8.8	52100	10.5	6130	127	0.08	5.1	2310	3.5	0.39	21400	2.3	23.2	33.1
MW25	226	7230	7.7	2	167	0.21	2.4	17700	13.5	15.9	27	25800	10.4	9200	895	0.1	6.8	3210	3.5	0.39	17000	2.3	37.2	23.6
MW26	268	3390	2.2	2	215	0.28	0.94	21700	6.2	4.4	4.6	14800	4.2	10800	176	0.2	3.5	3180	3.5	0.39	31500	2.3	23.9	8.5
MW28	28.4	5210	2	2	91.1	0.26	1.2	14600	10.2	18.3	3.8	11800	3.1	7600	259	0.11	5.4	839	3.5	0.39	16100	2.3	16.4	18.9
MW29	81	2110	2	2	109	0.09	0.49	26000	5.9	1.1	0.87	6820	1.2	12500	22.7	0.08	3.2	2370	3.5	0.39	28200	2.3	7.7	4.2
MW30	12.2	314	2	2	133	0.09	0.1	25200	2.8	0.33	0.87	1150	0.99	12700	4	0.08	1.5	839	3.5	0.39	19800	2.3	1.1	8.8
MW31	32.7	130	2	2	130	0.09	0.1	24300	1.6	0.48	0.87	894	0.99	11800	5.1	0.08	0.84	839	3.5	0.39	25100	2.3	0.65	4.4
MW32	429	2020	2	2	193	0.16	1.2	69000	3.7	5.1	1.6	8020	1.8	15600	2000	0.22	4.9	3970	3.5	0.39	22000	2.3	11.1	17.3
MW33	38.4	585	5.2	2	59.8	0.09	0.14	9930	1.8	0.33	2.1	2050	1.6	4850	20.8	0.08	2	1070	3.5	0.39	20200	2.3	2	5
MW34	18.8	162	2	2	129	0.09	0.1	12900	3.2	0.33	0.67	808	1.1	5950	2.4	0.1	2.8	1530	3.5	0.39	9350	2.3	1.6	4.3
MW35	16.4	39.1	2	2	119	0.09	0.1	14400	1.2	0.52	0.67	162	0.99	7040	3.3	0.08	1.5	716	3.5	0.39	15800	2.3	0.63	7.1
MW36	114	439	2	3.4	49.8	0.09	2.7	20400	9.1	0.88	11.8	507	1.8	1030	8.6	0.08	6.6	2530	3.5	0.39	1010	2.3	2.3	70.7
MW38	30.8	562	4.6	2	56.1	0.09	19.2	20300	13.9	1.1	12.2	998	4.3	3930	20.2	0.12	11.4	2960	3.5	0.39	7070	2.3	1.6	29.3
MW39	79.4	1730	2.3	2	79	0.09	1.4	25900	5.4	2.9	2.6	2740	7.4	9370	179	0.12	3.8	2510	3.5	0.39	23500	2.3	2.4	43
MW40	4.53	52.5	4.4	2	345	0.09	0.9	45900	0.39	4.8	4.5	98.8	1.1	23200	1120	0.09	2.8	6820	3.5	0.39	68700	2.3	0.61	9.5
MW41	50		2	2		0.09	1.8		2.8		6.8		0.99			0.08	3.7		3.5	0.39		2.3		23.4

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
MW42	68		2	2		0.09	4.4		3.6		3.8		1.8			0.08	8.6		3.5	0.39		3.5		55
MW44	111	3930	6.5	37.4	66	0.09	5.7	22100	5.5	0.66	7.2	7930	2.2	9620	20	0.1	4.3	2500	3.5	0.39	18800	2.3	7.3	26.3
MW45	23.9	234	4.8	2	72.4	0.09	0.22	28300	1.5	0.33	4.4	1380	2	14900	3.1	0.08	1.3	1680	3.5	0.39	16600	2.3	1.2	7
MW46	38.3	746	2	2	62.8	0.09	0.34	14500	4	0.54	2.4	2620	0.99	6990	10.6	0.08	1.3	839	3.5	0.39	22000	2.3	2.5	7.4
MW47	592	4780	3.6	2	124	0.27	2.5	27100	68.6	2.7	9.6	20200	4.8	14100	89.5	0.22	7.1	3820	3.5	0.39	23700	2.3	19.6	16.7
MW48	9.8	116	4.8	2	89	0.09	0.1	15900	3	0.33	5	301	1.3	8190	3.1	0.08	3.1	1030	3.5	0.39	21500	2.3	0.35	7.3
MW49	158	3620	2.6	2	43.2	0.19	0.95	13100	17.2	1.8	4.7	9840	2.4	6060	29.4	0.08	4.2	2020	3.5	0.39	11400	2.3	14	12.4
MW50	8	675	2	2	152	0.09	3.3	32300	3.8	0.9	4.4	2500	1	11600	17.2	0.08	2.4	2020	3.5	0.39	33200	2.3	2.8	9.7
MW51	294	4750	2	2	99.7	0.25	0.87	22300	15.3	1.4	0.67	14500	1.1	10600	31.7	0.08	3.6	2680	3.5	0.39	16400	2.3	16.9	10.9
MW52	7	216	2	9.7	119	0.09	1.8	28600	2.3	0.33	7.9	702	0.99	11600	7.2	0.08	1.8	7800	3.5	0.39	39800	2.3	1.6	19.3
MW53	10.8	77.9	2	2	68.1	0.09	0.1	30700	1.6	1	0.67	910	0.99	16700	15.6	0.1	1.4	1760	4	0.39	32300	3.6	0.6	0.57
MW54	161	1980	4.6	2	107	0.09	0.95	13900	15.2	0.33	3.2	9960	2	7070	14	0.1	1.3	1620	3.5	0.39	16900	2.3	7.5	8.1
MW55	452	2220	6	2	66.7	0.09	0.89	12600	8.2	3.2	19.7	4240	4.5	5370	119	0.08	5.5	3460	3.5	0.39	16900	2.3	6.2	15.9

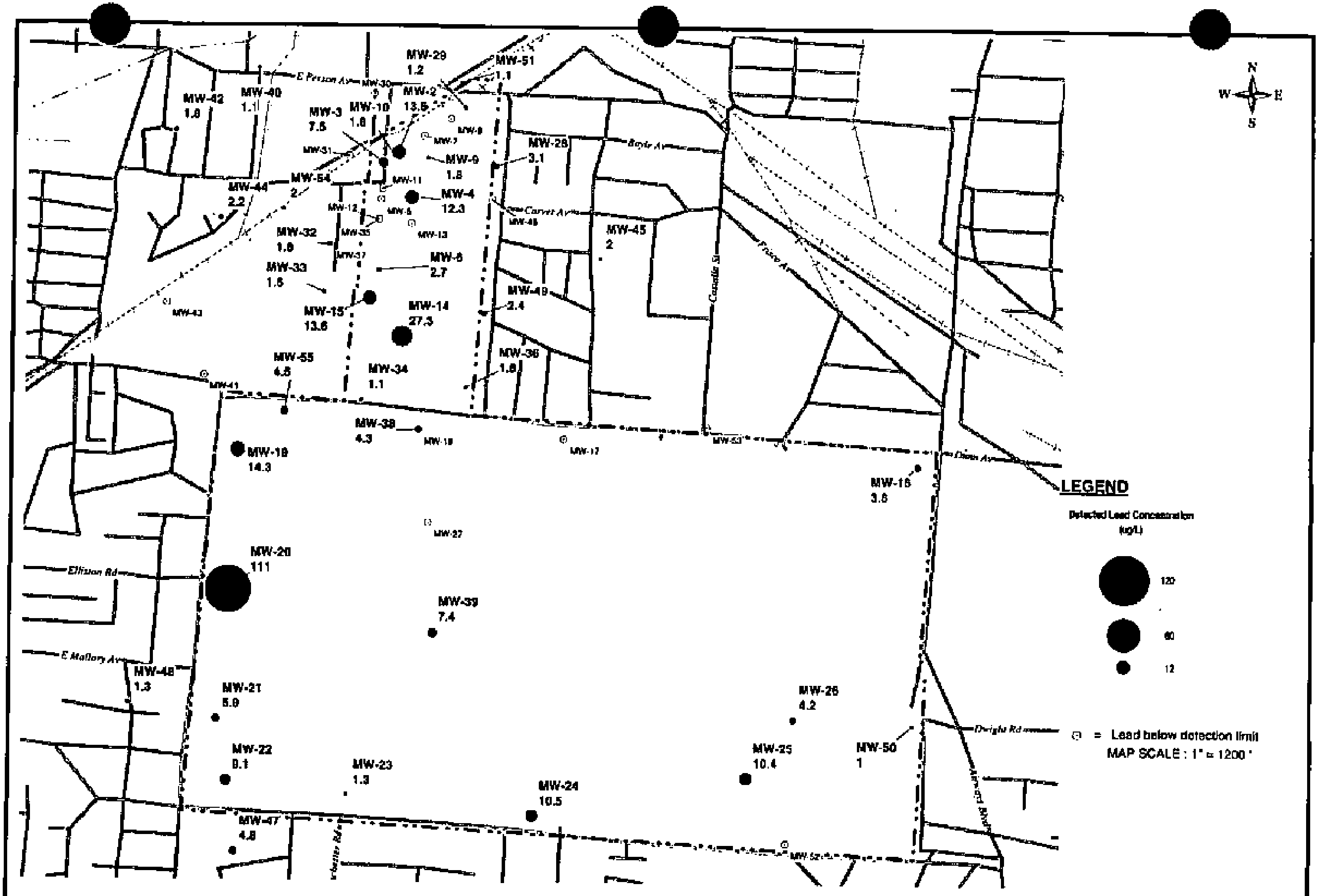

FIGURE 3-12
DISTRIBUTION OF LEAD IN FLUVIAL AQUIFER WELLS - SEPTEMBER, 1997
Defense Distribution Depot Memphis, Tennessee

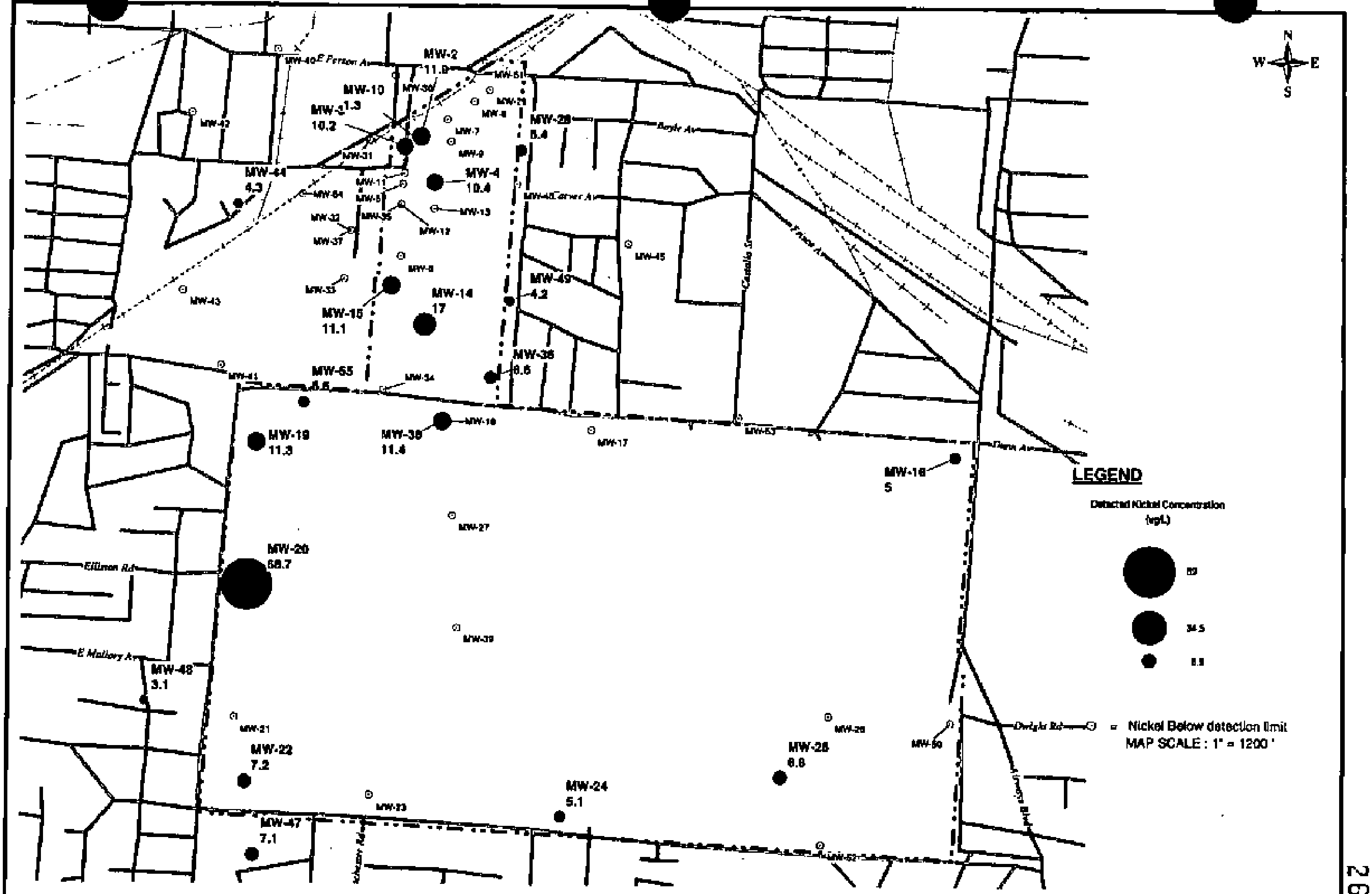

FIGURE 3-13

DISTRIBUTION OF NICKEL IN
FLUVIAL AQUIFER WELLS - SEPTEMBER, 1997
Defense Distribution Depot Memphis, Tennessee

CH2MHILL

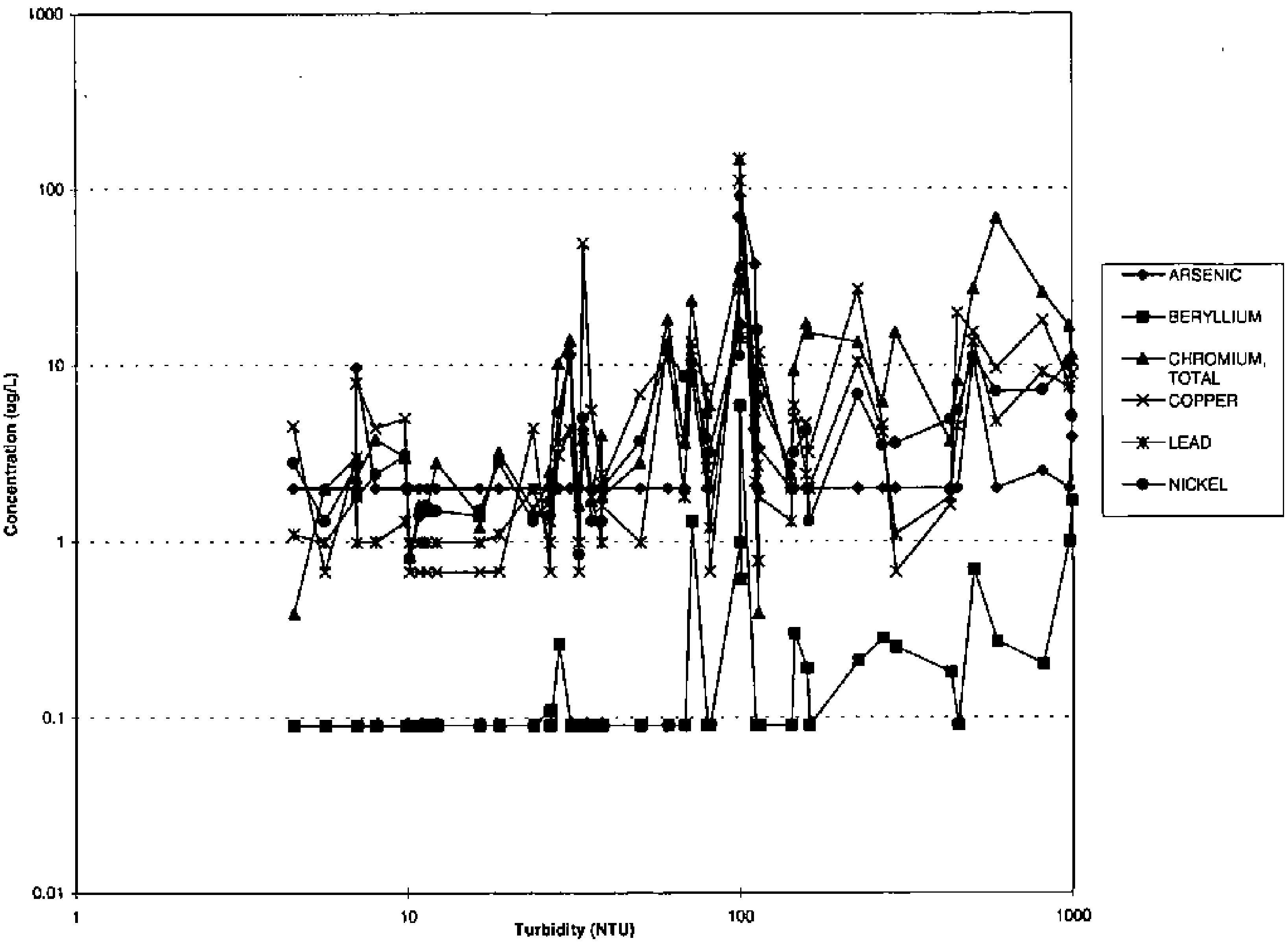

Figure 3-14. Correlation Between Turbidity and Concentration

4.0 Conclusions

Based on the groundwater data collected during September 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 September 1997, groundwater elevations underlying Dunn Field were on average 0.58 foot lower and groundwater elevations underlying the Main Installation were 0.35 foot higher than observed in the June 1997 sampling event. The maximum difference in water elevation was observed in MW-37, where the groundwater elevation decreased 7.34 feet between June 1997 and September 1997. The most significant difference in groundwater elevation was also observed in well MW-37. Based on the variability of the water levels and the hydraulic gradients measured in the Fluvial Aquifer, groundwater flow patterns are complex and appear to be sensitive to local rainfall recharge. A comparison of the groundwater flow patterns versus chemical migration patterns over time will be necessary to validate the hydrogeological site model.
- In the northern portion of the site, the hydraulic gradients of the Fluvial Aquifer are consistent with the surface gradients of the basal clay confining unit, which comprises 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 on MW-34, and the groundwater hydraulic gradients indicate convergence of flow to this low point.
- The trend analysis made on the June 1997 and September 1997 sampling data indicate a moderate increase in size of the VOC contamination plume and a slight decrease in the inorganic contamination plume.
- Overall, VOCs exhibited an increasing trend when comparing the June 1997 to the September 1997 data. During this period there were significantly more samples that exhibited increasing concentrations of 1,1-DCE, PCE, TCE, 1,1,2,2-PCE and C4 versus those that exhibited a decrease in concentration for the aforementioned contaminants. Although the magnitude of the TCE plume (center of chemical mass) decreased by 2,100 µg/L at MW-12, the size of the TCE plume expanded off-site to areas north, northwest and west of Dunn Field. It is suspected that a change in chemical mass flux has caused this apparent increase in plume size, a condition that was exhibited by the five VOC contaminants of interest.

- The September 1997 data confirmed a detection of 1,1-DCE (1 µg/L) in MW-45, where it had not previously been reported. 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-45 in this direction. Because 1,1-DCE was not detected in well MW-46, a well located in the same general area but closer to the main source, additional quarterly groundwater data will be required to fully assess the fate and transport of chemicals in this area. The increase in 1,1-DCE reported in well MW-51 from the February 1996 to the June 1997 sampling events indicates that this plume may no longer be bound to the north; however, because of the low concentrations, additional data are needed.

- The largest PCE plume is centered on the western and northwestern boundary of Dunn Field. With the detection of DCE reported in sample MW-54, the plume has expanded to the west. DCE was not reported in samples from this well in February 1996 and June 1997. The concentration of PCE has also increased in well MW-51, located north of Dunn Field, an indication that the plume may no longer be bound by MW-51 in this direction.

- The largest TCE plume is centered on the western and northwestern boundary of Dunn Field. The concentrations of TCE reported in samples MW-31, MW-44 and MW-54 indicate that the plume is expanding to the west. Similarly, the TCE concentrations reported in samples MW-51 and MW-29 indicate an expansion of the plume to the north. There has been a steady increase in the concentration of TCE in these off-site wells over the periods of February 1996 to June 1997 and June 1997 to September 1997. Overall, the TCE plume has increased in size to the west and north, up to the edge of the current monitoring well network due to a shift in the center of mass of the TCE plume. This shift in mass was first observed during the June 1997 sampling event.

- The September 1997 plume geometry for 1,1,2,2-PCA and C4 were consistent with the plumes described by the February 1996 and June 1997 data. The 1,1,2,2-PCA concentrations reported in samples from well MW-31 have been highly variable; the concentrations for February 1996, June 1997, and September 1997 were 420 µg/L, not detected, and 10 µg/L, respectively. The September 1997 finding for well MW-31 indicates an expansion of the plume off-site and to the west of Dunn Field, similar to trends observed for other VOCs.

- The most significant change in groundwater chemistry occurred in MW-12, where the concentration of TCE decreased from 5,900 µg/L to 3,800 µg/L between June 1997 and September 1997. During this same period, the concentrations of TCE also decreased in MW-31 and MW-35, a trend that was observed over the period from February 1996 to June 1997.

- Inorganic constituents of concern (beryllium, chromium, copper, lead, and nickel) are elevated at Dunn Field and the northwestern portion of the Main Installation area. Off-site concentrations are below detection or significantly reduced. Overall, the inorganic concentrations have decreased compared to the June 1997 data, as suggested by temporal trend analysis. The decreasing trend over the most recent sampling period during may be temporary because of the increasing trend observed over the February 1996 to June 1997 period. Additional groundwater data will be required to fully assess long-term trends in metals concentrations.

- All metal samples reported herein were unfiltered and therefore sensitive to sampling techniques that influenced the amount of sediment in the sample. Use of low-flow down-hole pumps has resulted in lower sediment concentrations than those of previously collected samples. The turbidity analysis and correlation presented in Section 3.2.3 indicates that there was not a positive correlation between sample turbidity and metals concentration. During the previous sampling period (February 1996 to June 1997) a positive correlation between sample turbidity and metals concentration was observed. Overall, the metals concentrations reported during the September 1997 were significantly lower than previous sampling events.

- 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. If it is confirmed that the VOC plume is expanding to the west and northwest of Dunn Field, additional monitoring points may be necessary.

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TAB

Appendices

Appendix A

QA/QC Summary

Appendix A
Data Quality Evaluation Section-DDMT Task 23 Sampling Effort-December 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.

Introduction

A specific list of methods was developed for the analysis of these samples. Methods included SW846 method 8260 (Volatiles by GC/MS), method 8270 (Semivolatiles - SVOC's by GC/MS), method 6010 with the 7000 series (metals), and selected General Chemistry parameters. Before the analytical results were released by the laboratory, both the sample and Quality Control (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 case narrative.

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

Samples that were not within the acceptance limits were appended with a qualifying flag, which consisted of a single-letter or double-letter abbreviation that indicated a problem 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. Samples were analyzed for this analyte, but it was not detected above the method detection limit (MDL) or instrument detection limit (IDL).
- UJ Detection limit estimated. Samples were analyzed for this analyte, but the results qualified as not detected. The result is estimated.

- **J** Estimated. The analyte was present, but the reported value may not be accurate or precise.
- **R** Rejected. The data are unusable. (NOTE: Analyte/compound may or may not be present.)

Numerical sample results that were greater than the MDL for organic compounds (or the Instrument Detection Limit (IDL) for inorganic targets or elements) but less than the EPA contract required detection limit (CRDL) were qualified with a "J" for estimated, as required by the EPA *Functional Guidelines to Evaluating Data Quality.*

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

Potential Field Sampling and Laboratory Contamination

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

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

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 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 20 samples, or one per analytical batch, whichever was more frequent.

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

Several metals as listed in Table 1 were detected in the laboratory and field blanks. These metals were detected at concentrations above the IDL, but less than the Contract Required Detection Limit (CRDL). Many of these metals are ubiquitous at low levels. Zinc is used in the galvanization of steel and as a catalyst in many chemical and/or manufacturing processes. Aluminum, copper, manganese, nickel, chromium, and iron are common elements used in the construction of sinks, faucets, laboratory ventilation hoods, and many other tools or equipment used on a day to day basis. Calcium, barium, and sodium are common cations normally associated with salts and their compounds. Additionally, potassium is a "poor performer" by method 6010; instrument noise attributes to low level false positives for this element. Moreover, all of these elements can be found at trace levels in acids utilized for digestion in the laboratory. Elements such as antimony, cobalt, mercury, and vanadium were reported just over the IDL. These values are indicative of instrument noise or low level blank contamination. Generally, values within 2-5 times of the IDL usually reflect instrument noise and should be considered false positives.

The equipment blank, 721EQR, contained Carbon disulfide at 1 µg/l, and bis(2-Ethylhexyl)phthalate at 44 µg/l. One laboratory method blank contained di-n-Butyl phthalate at 3 µg/l. The field blank contained the compounds Acteone, 2-Butanone, and Methylene chloride. Carbon disulfide was not detected in any field sample, therefore no data was qualified due to it's presence in an equipment blank. 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. Thus, Acetone, 2-Butanone, and Methylene chloride can most probably be attributed to field sampling and laboratory contamination. Samples which indicated these compounds below the 5 or 10 times rule, were flagged "U" as not detected.

Phthalates are used as plasticizers, the most common of which is bis(2-ethylhexyl)phthalate (BEHP), and are often introduced into samples during handling. The field samplers physically transferred the soil samples from the sampling equipment (either split spoons or stainless steel spoons) wearing latex gloves. The latex gloves are coated with plasticizers such as BEHP to facilitate release of the gloves from the skin. Laboratory personnel also wear latex gloves during the extraction of samples. Therefore, the BEHP and di-n-Butyl phthalate can be attributed to field sampling and laboratory contamination. Samples which indicated phthalates below the 5 or 10 times rule were flagged "U" as not detected.

Table 1 – Elemental Targets Reported Above the IDL

Sample Type	Matrix	Method	Parameter	Units	Amount Detected	Contract Required Reporting Limit	Source
LB	WQ	SW6010	ALUMINUM	UG/L	20.1	200	Field or laboratory contamination
LB	WQ	SW6010	ANTIMONY	UG/L	4.66	60	Instrument noise
EB	WQ	SW6010	BARIUM	UG/L	0.7	200	Field or laboratory contamination
FB	WQ	SW6010	CALCIUM	UG/L	115	5000	Field or laboratory contamination
EB	WQ	SW6010	CHROMIUM, TOTAL	UG/L	4.3	10	Field or laboratory contamination
EB	WQ	SW6010	COBALT	UG/L	3.1	50	Field or laboratory contamination
EB	WQ	SW6010	COPPER	UG/L	1.5	25	Field or laboratory contamination
EB	WQ	SW6010	IRON	UG/L	28.7	100	Field or laboratory contamination
EB	WQ	SW6010	MANGANESE	UG/L	1.1	15	Field or laboratory contamination
EB	WQ	SW6010	NICKEL	UG/L	3.7	40	Field or laboratory contamination
FB	WQ	SW6010	SODIUM	UG/L	315	5000	Field or laboratory contamination
EB	WQ	SW6010	VANADIUM	UG/L	0.39	50	Instrument noise
EB	WQ	SW6010	ZINC	UG/L	8.3	20	Field or laboratory contamination
EB	WQ	SW7470	MERCURY	UG/L	0.34	0.2	Field or laboratory contamination
FB	WQ	SW8260	2-BUTANONE	UG/L	7	10	Field or laboratory contamination
FB	WQ	SW8260	ACETONE	UG/L	58	10	Field or laboratory contamination
EB	WQ	SW8260	CARBON DISULFIDE	UG/L	1	10	Field or laboratory contamination
FB	WQ	SW8260	METHYLENE CHLORIDE	UG/L	2	10	Field or laboratory contamination
EB	WQ	SW8270	bis(2-ETHYLHEXYL) PHTHALATE	UG/L	44	10	Field or laboratory contamination
LB	WQ	SW8270	DI-n-BUTYL PHTHALATE	UG/L	3	10	Field or laboratory contamination

Matrix Effects

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 represented an "ideal" sample matrix. Surrogate spike recoveries for field samples were used to evaluate the potential for matrix interferences. All surrogate recoveries were within the stated method criteria for all samples. No flags were applied as a result of organic surrogate spike recovery results.

Matrix Spike Recoveries

For this QC measure, three aliquots of a single sample are analyzed: one native and two spiked with matrix spike compounds (for organics). For metallic targets, a native sample, a native duplicate, and one spiked sample were prepared. Unlike the surrogate spike compounds, matrix spike compounds are found on the method target, or compound list. Spike recovery is used to evaluate potential matrix interferences as well as accuracy. The duplicate spike results for organics are compared to evaluate precision. Inorganic precision is evaluated by the comparison between the native sample and native duplicate results for each target analyte detected at a factor above the detection limit.

Two pairs of MS/MSDs were prepared for both the volatile and semivolatile analyses. Sample data for the organic parameters are not qualified on the basis of MS/MSD results alone. Surrogate spikes also evaluate matrix effects, and all recoveries except for those requiring dilutions were within acceptable limits. No flags were applied as a result of organic MS/MSD results.

Two pairs of matrix spike and native duplicate was prepared for the metals target list. All precision and accuracy requirements were met for the metals and no flags were applied.

Field Duplicate Samples

Several additional samples were collected in the field for duplicate sample analyses. There were six identified for metals, five for volatiles, and four for the semivolatiles. All samples met the stated Relative Percent Difference (RPD) criteria indicating good sampling precision and matrix homogeneity.

Internal Standard Area Results

Internal Standards are compounds added to the sample extracts prior to analysis. They are used to calculate the concentration of the target compounds detected in the sample extracts. Two samples for semivolatile analyses, MW133 and PT92997, reflected internal standard areas were outside QC limits. These samples were re-analyzed with similar results, indicating a possible matrix effect. The data for these samples were flagged "J/UJ" as estimated.

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

Concentrations of metals at or near the IDL were reported for some of the target metals. The IDL is the constituent concentration that, when processed through the complete method, produces a signal with a 99 percent probability that it is different than the blank; therefore, sample results at or near the IDL may be false positives caused by instrument noise or low level background shifts rather than a true analyte signal. These values were either qualified as "U" (not detected because of blank contamination) or as "J" (estimated) because of the proximity of the value to the IDL.

PARCCs

Precision—is defined as the agreement between duplicate results, and was estimated by comparing duplicate matrix spike recoveries and field duplicate sample results. Agreement between MS/MSD recoveries were less than 35 percent RPD, indicating acceptable laboratory precision. Additionally, the RPD between duplicate field samples for both organic and inorganic results, indicated acceptable precision.

Accuracy—is a measure of the agreement between an experimental determination and the true value of the parameter being measured. For the organic analyses, each of the samples was spiked with a surrogate compound, and specific samples chosen for MS/MSD were spiked with target compounds; for inorganic analyses, each sample was spiked with a known concentrations of each target before digestion. Each of these approaches provides a measure of the matrix effects on the analytical accuracy. Laboratory control samples (LCSs) are usually DI water spiked with known quantities of a target, and thus measure accuracy of the method without the influence from the matrix. Except for the 4-Nitrophenol recoveries slightly above QC limits, all matrix spike recoveries were within the method acceptance limits, indicating no evidence of significant matrix interferences.

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

Completeness—is defined as the percentage of measurements that are judged to be valid compared to the total number of measurements made. The only rejected data stemmed from dilution and re-extraction results, as only one value may be in the database for a given parameter per sample. A goal of 95 percent usable data was established in the project scoping document and 100 percent of the data were determined to be valid.

Comparability—is 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 samples, and EPA DQO Level 3 QC data is available to support the quality of the data.

Summary and Conclusions

Conclusions of the data quality evaluation process include:

- The laboratory analyzed the samples according to the EPA methods stated in the work plan, as demonstrated by acceptable method performance which was documented in the data deliverable.
- Matrix spike and spike duplicate accuracy and precision results indicated that the specific sample matrix did not significantly interfere with the final numerical result.

- Field duplicate precision for samples evaluated were within established criteria for both the organic and inorganic parameters.
- Results at or near the IDL are suspect and may be false positives attributable to instrument noise. Accuracy and precision at these reporting levels are highly questionable.

The data can be used in the project decision-making process without further qualification.

Appendix B

Analytical Data Summary

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW023	MW02	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW023	MW02	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW023	MW02	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW023	MW02	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW023	MW02	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW023	MW02	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW023	MW02	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW023	MW02	1-BROMO-4-FLUOROBENZENE (4-	SW8260	112		UG/L	0
MW023	MW02	2-BUTANONE	SW8260	10	U	UG/L	10
MW023	MW02	2-HEXANONE	SW8260	10	U	UG/L	10
MW023	MW02	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW023	MW02	ACETONE	SW8260	10	U	UG/L	10
MW023	MW02	ALUMINUM	SW6010	15600	J	UG/L	6.8
MW023	MW02	ANTIMONY	SW6010	5.2	U	UG/L	2
MW023	MW02	ARSENIC	SW6010	2	U	UG/L	2
MW023	MW02	BARIUM	SW6010	173	J	UG/L	0.11
MW023	MW02	BENZENE	SW8260	10	U	UG/L	10
MW023	MW02	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW023	MW02	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW023	MW02	BROMOFORM	SW8260	10	U	UG/L	10
MW023	MW02	BROMOMETHANE	SW8260	10	U	UG/L	10
MW023	MW02	CADMIUM	SW6010	1.1	J	UG/L	0.1
MW023	MW02	CALCIUM	SW6010	56300	=	UG/L	5.9
MW023	MW02	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW023	MW02	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW023	MW02	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW023	MW02	CHLOROETHANE	SW8260	10	U	UG/L	10
MW023	MW02	CHLOROFORM	SW8260	10	U	UG/L	10
MW023	MW02	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW023	MW02	CHROMIUM, TOTAL	SW6010	18	=	UG/L	0.39
MW023	MW02	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW023	MW02	COBALT	SW6010	7	J	UG/L	0.33
MW023	MW02	COPPER	SW6010	10.9	J	UG/L	0.67
MW023	MW02	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW023	MW02	DIBROMOFLUOROMETHANE	SW8260	96		UG/L	0
MW023	MW02	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW023	MW02	IRON	SW6010	15900	=	UG/L	1.7
MW023	MW02	LEAD	SW6010	13.6	=	UG/L	0.99
MW023	MW02	MAGNESIUM	SW6010	27600	=	UG/L	2.4
MW023	MW02	MANGANESE	SW6010	967	=	UG/L	0.08
MW023	MW02	MERCURY	SW7470	0.2	U	UG/L	0.08
MW023	MW02	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW023	MW02	NICKEL	SW6010	11.9	J	UG/L	0.27
MW023	MW02	POTASSIUM	SW6010	4220	J	UG/L	715.6
MW023	MW02	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW023	MW02	SILVER	SW6010	0.39	U	UG/L	0.39

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW023	MW02	SODIUM	SW6010	18400	J	UG/L	103.7
MW023	MW02	STYRENE	SW8260	10	U	UG/L	10
MW023	MW02	TETRACHLOROETHYLENE	SW8260	10	U	UG/L	10
MW023	MW02	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW023	MW02	TOLUENE	SW8260	10	U	UG/L	10
MW023	MW02	TOLUENE-D8	SW8260	102		UG/L	0
MW023	MW02	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW023	MW02	TRICHLOROETHYLENE	SW8260	10	U	UG/L	10
MW023	MW02	VANADIUM	SW6010	30.9	J	UG/L	0.33
MW023	MW02	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW023	MW02	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW023	MW02	ZINC	SW6010	21.9	UJ	UG/L	0.57
MW033	MW03	1,1,1-TRICHLOROETHANE	SW8260	1	J	UG/L	10
MW033	MW03	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW033	MW03	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW033	MW03	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW033	MW03	1,1-DICHLOROETHENE	SW8260	17	=	UG/L	10
MW033	MW03	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW033	MW03	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW033	MW03	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW033	MW03	1-BROMO-4-FLUOROBENZENE (4-	SW8260	113		UG/L	0
MW033	MW03	2-BUTANONE	SW8260	10	U	UG/L	10
MW033	MW03	2-HEXANONE	SW8260	10	U	UG/L	10
MW033	MW03	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW033	MW03	ACETONE	SW8260	10	U	UG/L	10
MW033	MW03	ALUMINUM	SW6010	6910	=	UG/L	6.8
MW033	MW03	Ammonia-Nitrogen	E350.2	0.2	U	MG/L	0.2
MW033	MW03	ANTIMONY	SW6010	2	U	UG/L	2
MW033	MW03	ARSENIC	SW6010	2	U	UG/L	2
MW033	MW03	BARIUM	SW6010	133	J	UG/L	0.11
MW033	MW03	BENZENE	SW8260	10	U	UG/L	10
MW033	MW03	BERYLLIUM	SW6010	1	J	UG/L	0.09
MW033	MW03	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW033	MW03	BROMOFORM	SW8260	10	U	UG/L	10
MW033	MW03	BROMOMETHANE	SW8260	10	U	UG/L	10
MW033	MW03	CADMIUM	SW6010	0.1	U	UG/L	0.1
MW033	MW03	CALCIUM	SW6010	23300	=	UG/L	5.9
MW033	MW03	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW033	MW03	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW033	MW03	Chloride	E325.1	13.7	=	MG/L	1
MW033	MW03	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW033	MW03	CHLOROETHANE	SW8260	10	U	UG/L	10
MW033	MW03	CHLOROFORM	SW8260	2	J	UG/L	10
MW033	MW03	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW033	MW03	CHROMIUM, TOTAL	SW6010	16.7	U	UG/L	0.39
MW033	MW03	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW033	MW03	COBALT	SW6010	12.6	J	UG/L	0.33
MW033	MW03	COPPER	SW6010	8	J	UG/L	0.67
MW033	MW03	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW033	MW03	DIBROMOFLUOROMETHANE	SW8260	89		UG/L	0
MW033	MW03	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW033	MW03	IRON	SW6010	34000	=	UG/L	1.7
MW033	MW03	LEAD	SW6010	7.5	=	UG/L	0.99
MW033	MW03	MAGNESIUM	SW6010	11700	=	UG/L	2.4
MW033	MW03	MANGANESE	SW6010	116	=	UG/L	0.08
MW033	MW03	MERCURY	SW7470	0.08	U	UG/L	0.08
MW033	MW03	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW033	MW03	NICKEL	SW6010	10.2	J	UG/L	0.27
MW033	MW03	Nitrate/Nitrite-N, Automated	E353.2	2.92	=	MG/L	0.25
MW033	MW03	POTASSIUM	SW6010	3390	J	UG/L	715.6
MW033	MW03	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW033	MW03	SILVER	SW6010	0.39	U	UG/L	0.39
MW033	MW03	SODIUM	SW6010	19000	=	UG/L	103.7
MW033	MW03	STYRENE	SW8260	10	U	UG/L	10
MW033	MW03	Sulfate	E375.4	34.4	=	MG/L	4
MW033	MW03	TETRACHLOROETHYLENE	SW8260	40	=	UG/L	10
MW033	MW03	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW033	MW03	TOLUENE	SW8260	10	U	UG/L	10
MW033	MW03	TOLUENE-D8	SW8260	97		UG/L	0
MW033	MW03	Total Organic Carbon (Soil/Water)	E415.2	1.9	=	MG/L	1
MW033	MW03	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW033	MW03	TRICHLOROETHYLENE	SW8260	17	=	UG/L	10
MW033	MW03	VANADIUM	SW6010	34.5	J	UG/L	0.33
MW033	MW03	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW033	MW03	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW033	MW03	ZINC	SW6010	33.7	U	UG/L	0.57
MW043	MW04	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW043	MW04	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW043	MW04	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW043	MW04	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW043	MW04	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW043	MW04	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW043	MW04	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW043	MW04	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW043	MW04	1-BROMO-4-FLUOROBENZENE (4-	SW8260	109		UG/L	0
MW043	MW04	2-BUTANONE	SW8260	10	U	UG/L	10
MW043	MW04	2-HEXANONE	SW8260	10	U	UG/L	10
MW043	MW04	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW043	MW04	ACETONE	SW8260	10	U	UG/L	10
MW043	MW04	ALUMINUM	SW6010	8850	J	UG/L	6.8
MW043	MW04	ANTIMONY	SW6010	3.9	U	UG/L	2
MW043	MW04	ARSENIC	SW6010	9.1	J	UG/L	2.1

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW043	MW04	BARIUM	SW6010	74	J	UG/L	0.11
MW043	MW04	BENZENE	SW8260	10	U	UG/L	10
MW043	MW04	BERYLLIUM	SW6010	1.3	J	UG/L	0.09
MW043	MW04	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW043	MW04	BROMOFORM	SW8260	10	U	UG/L	10
MW043	MW04	BROMOMETHANE	SW8260	10	U	UG/L	10
MW043	MW04	CADMIUM	SW6010	0.1	U	UG/L	0.1
MW043	MW04	CALCIUM	SW6010	13100	=	UG/L	5.9
MW043	MW04	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW043	MW04	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW043	MW04	Chloride	E325.1	40.1	=	MG/L	2
MW043	MW04	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW043	MW04	CHLOROETHANE	SW8260	10	U	UG/L	10
MW043	MW04	CHLOROFORM	SW8260	10	U	UG/L	10
MW043	MW04	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW043	MW04	CHROMIUM, TOTAL	SW6010	23.2	=	UG/L	0.39
MW043	MW04	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW043	MW04	COBALT	SW6010	16.1	J	UG/L	0.33
MW043	MW04	COPPER	SW6010	13.5	J	UG/L	0.67
MW043	MW04	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW043	MW04	DIBROMOFLUOROMETHANE	SW8260	98		UG/L	0
MW043	MW04	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW043	MW04	IRON	SW6010	41700	=	UG/L	1.7
MW043	MW04	LEAD	SW6010	12.3	=	UG/L	0.99
MW043	MW04	MAGNESIUM	SW6010	7050	=	UG/L	2.4
MW043	MW04	MANGANESE	SW6010	148	=	UG/L	0.08
MW043	MW04	MERCURY	SW7470	0.14	U	UG/L	0.06
MW043	MW04	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW043	MW04	NICKEL	SW6010	10.4	J	UG/L	0.27
MW043	MW04	POTASSIUM	SW6010	3890	J	UG/L	715.6
MW043	MW04	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW043	MW04	SILVER	SW6010	0.39	U	UG/L	0.39
MW043	MW04	SODIUM	SW6010	19900	J	UG/L	103.7
MW043	MW04	STYRENE	SW8260	10	U	UG/L	10
MW043	MW04	Sulfate	E375.4	38.8	=	MG/L	2
MW043	MW04	TETRACHLOROETHYLENE	SW8260	78	=	UG/L	10
MW043	MW04	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW043	MW04	TOLUENE	SW8260	10	U	UG/L	10
MW043	MW04	TOLUENE-D8	SW8260	102		UG/L	0
MW043	MW04	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW043	MW04	TRICHLOROETHYLENE	SW8260	3	J	UG/L	10
MW043	MW04	VANADIUM	SW6010	34	J	UG/L	0.33
MW043	MW04	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW043	MW04	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW043	MW04	ZINC	SW6010	23.2	UJ	UG/L	0.57
MW053	MW05	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW053	MW05	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW053	MW05	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW053	MW05	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW053	MW05	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW053	MW05	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW053	MW05	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW053	MW05	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW053	MW05	1,2-DICHLOROETHENE (TOTAL)	SW8260	2	J	UG/L	10
MW053	MW05	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW053	MW05	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW053	MW05	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW053	MW05	1-BROMO-4-FLUOROBENZENE (4-	SW8260	96		UG/L	0
MW053	MW05	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW053	MW05	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW053	MW05	2,4,6-Tribromophenol - SS	SW8270	73		UG/L	0
MW053	MW05	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW053	MW05	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW053	MW05	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW053	MW05	2,4-DINITROPHENOL	SW8270	25	U	UG/L	25
MW053	MW05	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW053	MW05	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW053	MW05	2-BUTANONE	SW8260	10	U	UG/L	10
MW053	MW05	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW053	MW05	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW053	MW05	2-Fluorobiphenyl - SS	SW8270	69		UG/L	0
MW053	MW05	2-Fluorophenol - SS	SW8270	66		UG/L	0
MW053	MW05	2-HEXANONE	SW8260	10	U	UG/L	10
MW053	MW05	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW053	MW05	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW053	MW05	2-NITROANILINE	SW8270	25	U	UG/L	25
MW053	MW05	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW053	MW05	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW053	MW05	3-NITROANILINE	SW8270	25	U	UG/L	25
MW053	MW05	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	U	UG/L	25
MW053	MW05	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW053	MW05	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW053	MW05	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW053	MW05	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW053	MW05	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW053	MW05	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW053	MW05	4-NITROANILINE	SW8270	25	U	UG/L	25
MW053	MW05	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW053	MW05	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW053	MW05	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW053	MW05	ACETONE	SW8260	10	U	UG/L	10
MW053	MW05	ALUMINUM	SW6010	32.7	U	UG/L	6.8

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW053	MW05	ANTHRACENE	SW8270	10	U	UG/L	10
MW053	MW05	ANTIMONY	SW6010	2	U	UG/L	2
MW053	MW05	ARSENIC	SW6010	2	U	UG/L	2
MW053	MW05	BARIUM	SW6010	59.2	J	UG/L	0.11
MW053	MW05	BENZENE	SW8260	10	U	UG/L	10
MW053	MW05	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW053	MW05	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW053	MW05	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW053	MW05	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW053	MW05	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW053	MW05	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW053	MW05	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW053	MW05	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW053	MW05	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW053	MW05	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW053	MW05	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW053	MW05	BROMOFORM	SW8260	10	U	UG/L	10
MW053	MW05	BROMOMETHANE	SW8260	10	U	UG/L	10
MW053	MW05	CADMIUM	SW6010	0.1	U	UG/L	0.1
MW053	MW05	CALCIUM	SW6010	16600	=	UG/L	5.9
MW053	MW05	CARBAZOLE	SW8270	10	U	UG/L	10
MW053	MW05	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW053	MW05	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW053	MW05	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW053	MW05	CHLOROETHANE	SW8260	10	U	UG/L	10
MW053	MW05	CHLOROFORM	SW8260	5	J	UG/L	10
MW053	MW05	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW053	MW05	CHROMIUM, TOTAL	SW6010	1.5	U	UG/L	0.39
MW053	MW05	CHRYSENE	SW8270	10	U	UG/L	10
MW053	MW05	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW053	MW05	COBALT	SW6010	0.77	U	UG/L	0.33
MW053	MW05	COPPER	SW6010	0.67	U	UG/L	0.67
MW053	MW05	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW053	MW05	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW053	MW05	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW053	MW05	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW053	MW05	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW053	MW05	DIBROMOFLUOROMETHANE	SW8260	97		UG/L	0
MW053	MW05	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW053	MW05	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW053	MW05	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW053	MW05	FLUORANTHENE	SW8270	10	U	UG/L	10
MW053	MW05	FLUORENE	SW8270	10	U	UG/L	10
MW053	MW05	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW053	MW05	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW053	MW05	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW053	MW05	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW053	MW05	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW053	MW05	Iodine	SM4500	0.5	U	MG/L	0.5
MW053	MW05	IRON	SW6010	133	=	UG/L	1.7
MW053	MW05	ISOPHORONE	SW8270	10	U	UG/L	10
MW053	MW05	LEAD	SW6010	0.99	U	UG/L	0.99
MW053	MW05	MAGNESIUM	SW6010	8700	=	UG/L	2.4
MW053	MW05	MANGANESE	SW6010	0.9	U	UG/L	0.08
MW053	MW05	MERCURY	SW7470	0.08	U	UG/L	0.08
MW053	MW05	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW053	MW05	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW053	MW05	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW053	MW05	NAPHTHALENE	SW8270	10	U	UG/L	10
MW053	MW05	NICKEL	SW6010	1.6	U	UG/L	0.27
MW053	MW05	NITROBENZENE	SW8270	10	U	UG/L	10
MW053	MW05	Nitrobenzene-d5 - SS	SW8270	81		UG/L	0
MW053	MW05	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW053	MW05	PHENANTHRENE	SW8270	10	U	UG/L	10
MW053	MW05	PHENOL	SW8270	10	U	UG/L	10
MW053	MW05	Phenol-d5 - SS	SW8270	67		UG/L	0
MW053	MW05	POTASSIUM	SW6010	1060	J	UG/L	715.6
MW053	MW05	PYRENE	SW8270	10	U	UG/L	10
MW053	MW05	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW053	MW05	SILVER	SW6010	0.39	U	UG/L	0.39
MW053	MW05	SODIUM	SW6010	38000	=	UG/L	103.7
MW053	MW05	STYRENE	SW8260	10	U	UG/L	10
MW053	MW05	Terphenyl-d14 - SS	SW8270	72		UG/L	0
MW053	MW05	TETRACHLOROETHYLENE	SW8260	89	=	UG/L	10
MW053	MW05	THALLIUM	SW6010	3.9	U	UG/L	2.3
MW053	MW05	TOLUENE	SW8260	10	U	UG/L	10
MW053	MW05	TOLUENE-D8	SW8260	97		UG/L	0
MW053	MW05	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW053	MW05	TRICHLOROETHYLENE	SW8260	14	=	UG/L	10
MW053	MW05	VANADIUM	SW6010	0.33	U	UG/L	0.33
MW053	MW05	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW053	MW05	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW053	MW05	ZINC	SW6010	19.7	U	UG/L	0.57
MW063	MW06	1,1,1-TRICHLOROETHANE	SW8260	20	U	UG/L	20
MW063	MW06	1,1,2,2-TETRACHLOROETHANE	SW8260	220	=	UG/L	20
MW063	MW06	1,1,2-TRICHLOROETHANE	SW8260	9	J	UG/L	20
MW063	MW06	1,1-DICHLOROETHANE	SW8260	20	U	UG/L	20
MW063	MW06	1,1-DICHLOROETHENE	SW8260	20	U	UG/L	20
MW063	MW06	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW063	MW06	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW063	MW06	1,2-DICHLOROETHANE	SW8260	20	U	UG/L	20
MW063	MW06	1,2-DICHLOROETHENE (TOTAL)	SW8260	380	=	UG/L	20

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW063	MW06	1,2-DICHLOROPROPANE	SW8260	20	U	UG/L	20
MW063	MW06	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW063	MW06	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW063	MW06	1-BROMO-4-FLUOROBENZENE (4-	SW8260	104		UG/L	0
MW063	MW06	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW063	MW06	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW063	MW06	2,4,6-Tribromophenol - SS	SW8270	80		UG/L	0
MW063	MW06	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW063	MW06	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW063	MW06	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW063	MW06	2,4-DINITROPHENOL	SW8270	25	U	UG/L	25
MW063	MW06	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW063	MW06	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW063	MW06	2-BUTANONE	SW8260	20	U	UG/L	20
MW063	MW06	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW063	MW06	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW063	MW06	2-Fluorobiphenyl - SS	SW8270	73		UG/L	0
MW063	MW06	2-Fluorophenol - SS	SW8270	68		UG/L	0
MW063	MW06	2-HEXANONE	SW8260	20	U	UG/L	20
MW063	MW06	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW063	MW06	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW063	MW06	2-NITROANILINE	SW8270	25	U	UG/L	25
MW063	MW06	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW063	MW06	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW063	MW06	3-NITROANILINE	SW8270	25	U	UG/L	25
MW063	MW06	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	U	UG/L	25
MW063	MW06	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW063	MW06	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW063	MW06	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW063	MW06	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW063	MW06	4-METHYL-2-PENTANONE	SW8260	20	U	UG/L	20
MW063	MW06	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW063	MW06	4-NITROANILINE	SW8270	25	U	UG/L	25
MW063	MW06	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW063	MW06	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW063	MW06	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW063	MW06	ACETONE	SW8260	20	U	UG/L	20
MW063	MW06	ALUMINUM	SW6010	1480	=	UG/L	6.8
MW063	MW06	ANTHRACENE	SW8270	10	U	UG/L	10
MW063	MW06	ANTIMONY	SW6010	2	U	UG/L	2
MW063	MW06	ARSENIC	SW6010	2	U	UG/L	2
MW063	MW06	BARIUM	SW6010	383	=	UG/L	0.11
MW063	MW06	BENZENE	SW8260	20	U	UG/L	20
MW063	MW06	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW063	MW06	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW063	MW06	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW063	MW06	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW063	MW06	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW063	MW06	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW063	MW06	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW063	MW06	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW063	MW06	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW063	MW06	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW063	MW06	BROMODICHLOROMETHANE	SW8260	20	U	UG/L	20
MW063	MW06	BROMOFORM	SW8260	20	U	UG/L	20
MW063	MW06	BROMOMETHANE	SW8260	20	U	UG/L	20
MW063	MW06	CADMIUM	SW6010	0.73	J	UG/L	0.1
MW063	MW06	CALCIUM	SW6010	176000	=	UG/L	5.9
MW063	MW06	CARBAZOLE	SW8270	10	U	UG/L	10
MW063	MW06	CARBON DISULFIDE	SW8260	20	U	UG/L	20
MW063	MW06	CARBON TETRACHLORIDE	SW8260	37	=	UG/L	20
MW063	MW06	CHLOROBENZENE	SW8260	20	U	UG/L	20
MW063	MW06	CHLOROETHANE	SW8260	20	U	UG/L	20
MW063	MW06	CHLOROFORM	SW8260	14	J	UG/L	20
MW063	MW06	CHLOROMETHANE	SW8260	20	U	UG/L	20
MW063	MW06	CHROMIUM, TOTAL	SW6010	0.39	U	UG/L	0.39
MW063	MW06	CHRYSENE	SW8270	10	U	UG/L	10
MW063	MW06	cis-1,3-DICHLOROPROPENE	SW8260	20	U	UG/L	20
MW063	MW06	COBALT	SW6010	3.9	U	UG/L	0.33
MW063	MW06	COPPER	SW6010	0.77	J	UG/L	0.67
MW063	MW06	Di-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW063	MW06	Di-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW063	MW06	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW063	MW06	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW063	MW06	DIBROMOCHLOROMETHANE	SW8260	20	U	UG/L	20
MW063	MW06	DIBROMOFLUOROMETHANE	SW8260	100		UG/L	0
MW063	MW06	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW063	MW06	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW063	MW06	ETHYLBENZENE	SW8260	20	U	UG/L	20
MW063	MW06	FLUORANTHENE	SW8270	10	U	UG/L	10
MW063	MW06	FLUORENE	SW8270	10	U	UG/L	10
MW063	MW06	Hardness As Caco3	E130.2	804	=	MG/L	15
MW063	MW06	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW063	MW06	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW063	MW06	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW063	MW06	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW063	MW06	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW063	MW06	IRON	SW6010	4730	=	UG/L	1.7
MW063	MW06	ISOPHORONE	SW8270	10	U	UG/L	10
MW063	MW06	LEAD	SW6010	2.7	J	UG/L	0.99
MW063	MW06	MAGNESIUM	SW6010	31800	=	UG/L	2.4
MW063	MW06	MANGANESE	SW6010	5500	=	UG/L	0.08

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW063	MW06	MERCURY	SW7470	0.52	=	UG/L	0.08
MW063	MW06	METHYLENE CHLORIDE	SW8260	20	U	UG/L	20
MW063	MW06	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW063	MW06	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW063	MW06	NAPHTHALENE	SW8270	10	U	UG/L	10
MW063	MW06	NICKEL	SW6010	15.8	U	UG/L	0.27
MW063	MW06	NITROBENZENE	SW8270	10	U	UG/L	10
MW063	MW06	Nitrobenzene-d5 - SS	SW8270	83		UG/L	0
MW063	MW06	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW063	MW06	PHENANTHRENE	SW8270	10	U	UG/L	10
MW063	MW06	PHENOL	SW8270	10	U	UG/L	10
MW063	MW06	Phenol-d5 - SS	SW8270	72		UG/L	0
MW063	MW06	POTASSIUM	SW6010	4790	J	UG/L	715.6
MW063	MW06	PYRENE	SW8270	10	U	UG/L	10
MW063	MW06	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW063	MW06	SILVER	SW6010	0.39	U	UG/L	0.39
MW063	MW06	SODIUM	SW6010	30800	=	UG/L	103.7
MW063	MW06	STYRENE	SW8260	20	U	UG/L	20
MW063	MW06	Terphenyl-d14 - SS	SW8270	59		UG/L	0
MW063	MW06	TETRACHLOROETHYLENE	SW8260	3	J	UG/L	20
MW063	MW06	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW063	MW06	TOLUENE	SW8260	20	U	UG/L	20
MW063	MW06	TOLUENE-D8	SW8260	106		UG/L	0
MW063	MW06	trans-1,3-DICHLOROPROPENE	SW8260	20	U	UG/L	20
MW063	MW06	TRICHLOROETHYLENE	SW8260	240	=	UG/L	20
MW063	MW06	VANADIUM	SW6010	4.7	J	UG/L	0.33
MW063	MW06	VINYL CHLORIDE	SW8260	20	U	UG/L	20
MW063	MW06	XYLENE (TOTAL)	SW8260	20	U	UG/L	20
MW063	MW06	ZINC	SW6010	19.1	U	UG/L	0.57
MW073	MW07	1,1,1-TRICHLOROETHANE	SW8260	2	J	UG/L	10
MW073	MW07	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW073	MW07	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW073	MW07	1,1-DICHLOROETHANE	SW8260	2	J	UG/L	10
MW073	MW07	1,1-DICHLOROETHENE	SW8260	50	=	UG/L	10
MW073	MW07	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW073	MW07	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW073	MW07	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW073	MW07	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW073	MW07	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW073	MW07	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW073	MW07	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW073	MW07	1-BROMO-4-FLUOROBENZENE (4-	SW8260	114		UG/L	0
MW073	MW07	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW073	MW07	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW073	MW07	2,4,6-Tribromophenol - SS	SW8270	76		UG/L	0
MW073	MW07	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW073	MW07	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW073	MW07	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW073	MW07	2,4-DINITROPHENOL	SW8270	25	U	UG/L	25
MW073	MW07	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW073	MW07	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW073	MW07	2-BUTANONE	SW8260	10	U	UG/L	10
MW073	MW07	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW073	MW07	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW073	MW07	2-Fluorobiphenyl - SS	SW8270	71		UG/L	0
MW073	MW07	2-Fluorophenol - SS	SW8270	69		UG/L	0
MW073	MW07	2-HEXANONE	SW8260	10	U	UG/L	10
MW073	MW07	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW073	MW07	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW073	MW07	2-NITROANILINE	SW8270	25	U	UG/L	25
MW073	MW07	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW073	MW07	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW073	MW07	3-NITROANILINE	SW8270	25	U	UG/L	25
MW073	MW07	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	U	UG/L	25
MW073	MW07	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW073	MW07	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW073	MW07	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW073	MW07	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW073	MW07	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW073	MW07	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW073	MW07	4-NITROANILINE	SW8270	25	U	UG/L	25
MW073	MW07	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW073	MW07	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW073	MW07	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW073	MW07	ACETONE	SW8260	10	U	UG/L	10
MW073	MW07	ALUMINUM	SW6010	358	=	UG/L	6.8
MW073	MW07	ANTHRACENE	SW8270	10	U	UG/L	10
MW073	MW07	ANTIMONY	SW6010	2	U	UG/L	2
MW073	MW07	ARSENIC	SW6010	2	U	UG/L	2
MW073	MW07	BARIUM	SW6010	75.9	J	UG/L	0.11
MW073	MW07	BENZENE	SW8260	10	U	UG/L	10
MW073	MW07	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW073	MW07	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW073	MW07	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW073	MW07	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW073	MW07	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW073	MW07	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW073	MW07	BERYLLIUM	SW6010	0.11	U	UG/L	0.09
MW073	MW07	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW073	MW07	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW073	MW07	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW073	MW07	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW073	MW07	BROMOFORM	SW8260	10	U	UG/L	10
MW073	MW07	BROMOMETHANE	SW8260	10	U	UG/L	10
MW073	MW07	CADMIUM	SW6010	0.1	U	UG/L	0.1
MW073	MW07	CALCIUM	SW6010	19300	=	UG/L	5.9
MW073	MW07	CARBAZOLE	SW8270	10	U	UG/L	10
MW073	MW07	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW073	MW07	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW073	MW07	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW073	MW07	CHLOROETHANE	SW8260	10	U	UG/L	10
MW073	MW07	CHLOROFORM	SW8260	9	J	UG/L	10
MW073	MW07	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW073	MW07	CHROMIUM, TOTAL	SW6010	2.2	U	UG/L	0.39
MW073	MW07	CHRYSENE	SW8270	10	U	UG/L	10
MW073	MW07	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW073	MW07	COBALT	SW6010	2	U	UG/L	0.33
MW073	MW07	COPPER	SW6010	0.67	U	UG/L	0.67
MW073	MW07	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW073	MW07	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW073	MW07	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW073	MW07	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW073	MW07	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW073	MW07	DIBROMOFLUOROMETHANE	SW8260	91		UG/L	0
MW073	MW07	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW073	MW07	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW073	MW07	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW073	MW07	FLUORANTHENE	SW8270	10	U	UG/L	10
MW073	MW07	FLUORENE	SW8270	10	U	UG/L	10
MW073	MW07	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW073	MW07	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW073	MW07	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW073	MW07	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW073	MW07	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW073	MW07	IRON	SW6010	2700	=	UG/L	1.7
MW073	MW07	ISOPHORONE	SW8270	10	U	UG/L	10
MW073	MW07	LEAD	SW6010	0.99	U	UG/L	0.99
MW073	MW07	MAGNESIUM	SW6010	9510	=	UG/L	2.4
MW073	MW07	MANGANESE	SW6010	15.5	=	UG/L	0.08
MW073	MW07	MERCURY	SW7470	0.08	U	UG/L	0.08
MW073	MW07	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW073	MW07	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW073	MW07	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW073	MW07	NAPHTHALENE	SW8270	10	U	UG/L	10
MW073	MW07	NICKEL	SW6010	1.7	U	UG/L	0.27
MW073	MW07	NITROBENZENE	SW8270	10	U	UG/L	10
MW073	MW07	Nitrobenzene-d5 - SS	SW8270	80		UG/L	0
MW073	MW07	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5

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MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW073	MW07	PHENANTHRENE	SW8270	10	U	UG/L	10
MW073	MW07	PHENOL	SW8270	10	U	UG/L	10
MW073	MW07	Phenol-d5 - SS	SW8270	74		UG/L	0
MW073	MW07	POTASSIUM	SW6010	1370	J	UG/L	715.6
MW073	MW07	PYRENE	SW8270	10	U	UG/L	10
MW073	MW07	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW073	MW07	SILVER	SW6010	0.39	U	UG/L	0.39
MW073	MW07	SODIUM	SW6010	22100	=	UG/L	103.7
MW073	MW07	STYRENE	SW8260	10	U	UG/L	10
MW073	MW07	Terphenyl-d14 - SS	SW8270	67		UG/L	0
MW073	MW07	TETRACHLOROETHYLENE	SW8260	82	=	UG/L	10
MW073	MW07	THALLIUM	SW6010	3.3	U	UG/L	2.3
MW073	MW07	TOLUENE	SW8260	10	U	UG/L	10
MW073	MW07	TOLUENE-D8	SW8260	96		UG/L	0
MW073	MW07	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW073	MW07	TRICHLOROETHYLENE	SW8260	32	=	UG/L	10
MW073	MW07	VANADIUM	SW6010	2.7	J	UG/L	0.33
MW073	MW07	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW073	MW07	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW073	MW07	ZINC	SW6010	5.1	U	UG/L	0.57
MW083	MW08	1,1,1-TRICHLOROETHANE	SW8260	2	J	UG/L	10
MW083	MW08	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW083	MW08	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW083	MW08	1,1-DICHLOROETHANE	SW8260	1	J	UG/L	10
MW083	MW08	1,1-DICHLOROETHENE	SW8260	20	=	UG/L	10
MW083	MW08	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW083	MW08	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW083	MW08	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW083	MW08	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW083	MW08	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW083	MW08	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW083	MW08	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW083	MW08	1-BROMO-4-FLUOROBENZENE (4-	SW8260	108		UG/L	0
MW083	MW08	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW083	MW08	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW083	MW08	2,4,6-Tribromophenol - SS	SW8270	70		UG/L	0
MW083	MW08	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW083	MW08	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW083	MW08	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW083	MW08	2,4-DINITROPHENOL	SW8270	25	U	UG/L	25
MW083	MW08	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW083	MW08	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW083	MW08	2-BUTANONE	SW8260	10	U	UG/L	10
MW083	MW08	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW083	MW08	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW083	MW08	2-Fluorobiphenyl - SS	SW8270	74		UG/L	0

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW083	MW08	2-Fluorophenol - SS	SW8270	69		UG/L	0
MW083	MW08	2-HEXANONE	SW8260	10	U	UG/L	10
MW083	MW08	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW083	MW08	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW083	MW08	2-NITROANILINE	SW8270	25	U	UG/L	25
MW083	MW08	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW083	MW08	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW083	MW08	3-NITROANILINE	SW8270	25	U	UG/L	25
MW083	MW08	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	U	UG/L	25
MW083	MW08	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW083	MW08	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW083	MW08	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW083	MW08	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW083	MW08	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW083	MW08	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW083	MW08	4-NITROANILINE	SW8270	25	U	UG/L	25
MW083	MW08	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW083	MW08	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW083	MW08	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW083	MW08	ACETONE	SW8260	10	U	UG/L	10
MW083	MW08	ALUMINUM	SW6010	982	J	UG/L	6.8
MW083	MW08	Ammonia-Nitrogen	E350.2	0.2	U	MG/L	0.2
MW083	MW08	ANTHRACENE	SW8270	10	U	UG/L	10
MW083	MW08	ANTIMONY	SW6010	3.2	U	UG/L	2
MW083	MW08	ARSENIC	SW6010	2	U	UG/L	2
MW083	MW08	BARIUM	SW6010	63.9	J	UG/L	0.11
MW083	MW08	BENZENE	SW8260	10	U	UG/L	10
MW083	MW08	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW083	MW08	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW083	MW08	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW083	MW08	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW083	MW08	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW083	MW08	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW083	MW08	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW083	MW08	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW083	MW08	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW083	MW08	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW083	MW08	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW083	MW08	BROMOFORM	SW8260	10	U	UG/L	10
MW083	MW08	BROMOMETHANE	SW8260	10	U	UG/L	10
MW083	MW08	CADMIUM	SW6010	0.1	U	UG/L	0.1
MW083	MW08	CALCIUM	SW6010	15500	=	UG/L	5.9
MW083	MW08	CARBAZOLE	SW8270	10	U	UG/L	10
MW083	MW08	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW083	MW08	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW083	MW08	Chloride	E325.1	17.3	=	MG/L	1

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MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW083	MW08	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW083	MW08	CHLOROETHANE	SW8260	10	U	UG/L	10
MW083	MW08	CHLOROFORM	SW8260	10	U	UG/L	10
MW083	MW08	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW083	MW08	CHROMIUM, TOTAL	SW6010	2.5	U	UG/L	0.39
MW083	MW08	CHRYSENE	SW8270	10	U	UG/L	10
MW083	MW08	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW083	MW08	COBALT	SW6010	0.72	U	UG/L	0.33
MW083	MW08	COPPER	SW6010	1.3	U	UG/L	0.67
MW083	MW08	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW083	MW08	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW083	MW08	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW083	MW08	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW083	MW08	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW083	MW08	DIBROMOFLUOROMETHANE	SW8260	97		UG/L	0
MW083	MW08	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW083	MW08	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW083	MW08	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW083	MW08	FLUORANTHENE	SW8270	10	U	UG/L	10
MW083	MW08	FLUORENE	SW8270	10	U	UG/L	10
MW083	MW08	Hardness As Caco3	E130.2	76	=	MG/L	3
MW083	MW08	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW083	MW08	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW083	MW08	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW083	MW08	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW083	MW08	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW083	MW08	IRON	SW6010	2530	=	UG/L	1.7
MW083	MW08	ISOPHORONE	SW8270	10	U	UG/L	10
MW083	MW08	LEAD	SW6010	0.99	U	UG/L	0.99
MW083	MW08	MAGNESIUM	SW6010	7400	=	UG/L	2.4
MW083	MW08	MANGANESE	SW6010	12	J	UG/L	0.08
MW083	MW08	MERCURY	SW7470	0.14	U	UG/L	0.08
MW083	MW08	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW083	MW08	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW083	MW08	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW083	MW08	NAPHTHALENE	SW8270	10	U	UG/L	10
MW083	MW08	NICKEL	SW6010	1.4	U	UG/L	0.27
MW083	MW08	Nitrate/Nitrite-N, Automated	E353.2	1.64	=	MG/L	0.05
MW083	MW08	NITROBENZENE	SW8270	10	U	UG/L	10
MW083	MW08	Nitrobenzene-d5 - SS	SW8270	73		UG/L	0
MW083	MW08	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW083	MW08	PHENANTHRENE	SW8270	10	U	UG/L	10
MW083	MW08	PHENOL	SW8270	10	U	UG/L	10
MW083	MW08	Phenol-d5 - SS	SW8270	78		UG/L	0
MW083	MW08	POTASSIUM	SW6010	1440	J	UG/L	715.6
MW083	MW08	PYRENE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW083	MW08	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW083	MW08	SILVER	SW6010	0.39	U	UG/L	0.39
MW083	MW08	SODIUM	SW6010	28800	J	UG/L	103.7
MW083	MW08	STYRENE	SW8260	10	U	UG/L	10
MW083	MW08	Sulfate	E375.4	35.9	=	MG/L	2
MW083	MW08	Terphenyl-d14 - SS	SW8270	82		UG/L	0
MW083	MW08	TETRACHLOROETHYLENE	SW8260	27	=	UG/L	10
MW083	MW08	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW083	MW08	TOLUENE	SW8260	10	U	UG/L	10
MW083	MW08	TOLUENE-D8	SW8260	102		UG/L	0
MW083	MW08	Total Organic Carbon (Soil/Water)	E415.2	1.3	=	MG/L	1
MW083	MW08	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW083	MW08	TRICHLOROETHYLENE	SW8260	13	=	UG/L	10
MW083	MW08	VANADIUM	SW6010	2.6	J	UG/L	0.33
MW083	MW08	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW083	MW08	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW083	MW08	ZINC	SW6010	0.86	UJ	UG/L	0.57
MW093	MW09	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW093	MW09	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW093	MW09	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW093	MW09	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW093	MW09	1,1-DICHLOROETHENE	SW8260	1	J	UG/L	10
MW093	MW09	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW093	MW09	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW093	MW09	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW093	MW09	1-BROMO-4-FLUOROBENZENE (4-	SW8260	108		UG/L	0
MW093	MW09	2-BUTANONE	SW8260	10	U	UG/L	10
MW093	MW09	2-HEXANONE	SW8260	10	U	UG/L	10
MW093	MW09	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW093	MW09	ACETONE	SW8260	10	U	UG/L	10
MW093	MW09	ALUMINUM	SW6010	683	J	UG/L	6.8
MW093	MW09	ANTIMONY	SW6010	2	U	UG/L	2
MW093	MW09	ARSENIC	SW6010	2	U	UG/L	2
MW093	MW09	BARIUM	SW6010	63.6	J	UG/L	0.11
MW093	MW09	BENZENE	SW8260	10	U	UG/L	10
MW093	MW09	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW093	MW09	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW093	MW09	BROMOFORM	SW8260	10	U	UG/L	10
MW093	MW09	BROMOMETHANE	SW8260	10	U	UG/L	10
MW093	MW09	CADMIUM	SW6010	4.1	J	UG/L	0.1
MW093	MW09	CALCIUM	SW6010	17300	=	UG/L	5.9
MW093	MW09	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW093	MW09	CARBON TETRACHLORIDE	SW8260	1	J	UG/L	10
MW093	MW09	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW093	MW09	CHLOROETHANE	SW8260	10	U	UG/L	10
MW093	MW09	CHLOROFORM	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW093	MW09	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW093	MW09	CHROMIUM, TOTAL	SW6010	3	J	UG/L	0.39
MW093	MW09	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW093	MW09	COBALT	SW6010	3.3	J	UG/L	0.33
MW093	MW09	COPPER	SW6010	3	U	UG/L	0.67
MW093	MW09	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW093	MW09	DIBROMOFLUOROMETHANE	SW8260	95		UG/L	0
MW093	MW09	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW093	MW09	IRON	SW6010	1340	=	UG/L	1.7
MW093	MW09	LEAD	SW6010	1.8	J	UG/L	0.99
MW093	MW09	MAGNESIUM	SW6010	6030	=	UG/L	2.4
MW093	MW09	MANGANESE	SW6010	113	=	UG/L	0.08
MW093	MW09	MERCURY	SW7470	0.08	U	UG/L	0.08
MW093	MW09	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW093	MW09	NICKEL	SW6010	2.7	U	UG/L	0.27
MW093	MW09	POTASSIUM	SW6010	17600	=	UG/L	715.6
MW093	MW09	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW093	MW09	SILVER	SW6010	0.39	U	UG/L	0.39
MW093	MW09	SODIUM	SW6010	13300	J	UG/L	103.7
MW093	MW09	STYRENE	SW8260	10	U	UG/L	10
MW093	MW09	TETRACHLOROETHYLENE	SW8260	4	J	UG/L	10
MW093	MW09	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW093	MW09	TOLUENE	SW8260	10	U	UG/L	10
MW093	MW09	TOLUENE-D8	SW8260	99		UG/L	0
MW093	MW09	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW093	MW09	TRICHLOROETHYLENE	SW8260	2	J	UG/L	10
MW093	MW09	VANADIUM	SW6010	2.1	J	UG/L	0.33
MW093	MW09	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW093	MW09	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW093	MW09	ZINC	SW6010	1.8	UJ	UG/L	0.57
MW103	MW10	1,1,1-TRICHLOROETHANE	SW8260	4	J	UG/L	10
MW103	MW10	1,1,2,2-TETRACHLOROETHANE	SW8260	2	J	UG/L	10
MW103	MW10	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW103	MW10	1,1-DICHLOROETHANE	SW8260	3	J	UG/L	10
MW103	MW10	1,1-DICHLOROETHENE	SW8260	72	=	UG/L	10
MW103	MW10	1,2-DICHLOROETHANE	SW8260	2	J	UG/L	10
MW103	MW10	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	=	UG/L	10
MW103	MW10	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW103	MW10	1-BROMO-4-FLUOROBENZENE (4-	SW8260	113		UG/L	0
MW103	MW10	2-BUTANONE	SW8260	10	U	UG/L	10
MW103	MW10	2-HEXANONE	SW8260	10	U	UG/L	10
MW103	MW10	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW103	MW10	ACETONE	SW8260	10	U	UG/L	10
MW103	MW10	ALUMINUM	SW6010	215	J	UG/L	6.8
MW103	MW10	Ammonia-Nitrogen	E350.2	0.2	U	MG/L	0.2
MW103	MW10	ANTIMONY	SW6010	2	U	UG/L	2

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW103	MW10	ARSENIC	SW6010	2	U	UG/L	2
MW103	MW10	BARIUM	SW6010	102	J	UG/L	0.11
MW103	MW10	BENZENE	SW8260	10	U	UG/L	10
MW103	MW10	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW103	MW10	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW103	MW10	BROMOFORM	SW8260	10	U	UG/L	10
MW103	MW10	BROMOMETHANE	SW8260	10	U	UG/L	10
MW103	MW10	CADMIUM	SW6010	1	J	UG/L	0.1
MW103	MW10	CALCIUM	SW6010	25100	=	UG/L	5.9
MW103	MW10	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW103	MW10	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW103	MW10	Chloride	E325.1	16	=	MG/L	1
MW103	MW10	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW103	MW10	CHLOROETHANE	SW8260	10	U	UG/L	10
MW103	MW10	CHLOROFORM	SW8260	10	U	UG/L	10
MW103	MW10	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW103	MW10	CHROMIUM, TOTAL	SW6010	1.7	U	UG/L	0.39
MW103	MW10	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW103	MW10	COBALT	SW6010	0.51	U	UG/L	0.33
MW103	MW10	COPPER	SW6010	5.5	U	UG/L	0.67
MW103	MW10	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW103	MW10	DIBROMOFLUOROMETHANE	SW8260	97		UG/L	0
MW103	MW10	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW103	MW10	Hardness As Caco3	E130.2	138	=	MG/L	3
MW103	MW10	IRON	SW6010	784	=	UG/L	1.7
MW103	MW10	LEAD	SW6010	1.8	J	UG/L	0.99
MW103	MW10	MAGNESIUM	SW6010	11900	=	UG/L	2.4
MW103	MW10	MANGANESE	SW6010	43.8	=	UG/L	0.08
MW103	MW10	MERCURY	SW7470	0.15	U	UG/L	0.08
MW103	MW10	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW103	MW10	NICKEL	SW6010	1.3	J	UG/L	0.27
MW103	MW10	Nitrate/Nitrite-N, Automated	E353.2	3.94	=	MG/L	0.1
MW103	MW10	POTASSIUM	SW6010	1740	J	UG/L	715.6
MW103	MW10	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW103	MW10	SILVER	SW6010	0.39	U	UG/L	0.39
MW103	MW10	SODIUM	SW6010	23300	J	UG/L	103.7
MW103	MW10	STYRENE	SW8260	10	U	UG/L	10
MW103	MW10	Sulfate	E375.4	49.1	=	MG/L	4
MW103	MW10	TETRACHLOROETHYLENE	SW8260	180	=	UG/L	10
MW103	MW10	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW103	MW10	TOLUENE	SW8260	10	U	UG/L	10
MW103	MW10	TOLUENE-D8	SW8260	103		UG/L	0
MW103	MW10	Total Organic Carbon (Soil/Water)	E415.2	2.4	=	MG/L	1
MW103	MW10	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW103	MW10	TRICHLOROETHYLENE	SW8260	100	=	UG/L	10
MW103	MW10	VANADIUM	SW6010	0.65	J	UG/L	0.33

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW103	MW10	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW103	MW10	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW103	MW10	ZINC	SW6010	6.6	UJ	UG/L	0.57
MW113	MW11	1,1,1-TRICHLOROETHANE	SW8260	20	U	UG/L	20
MW113	MW11	1,1,2,2-TETRACHLOROETHANE	SW8260	49	=	UG/L	20
MW113	MW11	1,1,2-TRICHLOROETHANE	SW8260	20	U	UG/L	20
MW113	MW11	1,1-DICHLOROETHANE	SW8260	20	U	UG/L	20
MW113	MW11	1,1-DICHLOROETHENE	SW8260	20	U	UG/L	20
MW113	MW11	1,2-DICHLOROETHANE	SW8260	20	U	UG/L	20
MW113	MW11	1,2-DICHLOROETHENE (TOTAL)	SW8260	200	=	UG/L	20
MW113	MW11	1,2-DICHLOROPROPANE	SW8260	20	U	UG/L	20
MW113	MW11	1-BROMO-4-FLUOROBENZENE (4-	SW8260	103		UG/L	0
MW113	MW11	2-BUTANONE	SW8260	20	U	UG/L	20
MW113	MW11	2-HEXANONE	SW8260	20	U	UG/L	20
MW113	MW11	4-METHYL-2-PENTANONE	SW8260	20	U	UG/L	20
MW113	MW11	ACETONE	SW8260	20	U	UG/L	20
MW113	MW11	ALUMINUM	SW6010	158	J	UG/L	6.8
MW113	MW11	ANTIMONY	SW6010	2	U	UG/L	2
MW113	MW11	ARSENIC	SW6010	2	U	UG/L	2
MW113	MW11	BARIUM	SW6010	65.5	J	UG/L	0.11
MW113	MW11	BENZENE	SW8260	20	U	UG/L	20
MW113	MW11	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW113	MW11	BROMODICHLOROMETHANE	SW8260	20	U	UG/L	20
MW113	MW11	BROMOFORM	SW8260	20	U	UG/L	20
MW113	MW11	BROMOMETHANE	SW8260	20	U	UG/L	20
MW113	MW11	CADMIUM	SW6010	0.42	J	UG/L	0.1
MW113	MW11	CALCIUM	SW6010	13800	=	UG/L	6.9
MW113	MW11	CARBON DISULFIDE	SW8260	20	U	UG/L	20
MW113	MW11	CARBON TETRACHLORIDE	SW8260	20	U	UG/L	20
MW113	MW11	CHLOROBENZENE	SW8260	20	U	UG/L	20
MW113	MW11	CHLOROETHANE	SW8260	20	U	UG/L	20
MW113	MW11	CHLOROFORM	SW8260	4	J	UG/L	20
MW113	MW11	CHLOROMETHANE	SW8260	20	U	UG/L	20
MW113	MW11	CHROMIUM, TOTAL	SW6010	1.4	U	UG/L	0.39
MW113	MW11	cis-1,3-DICHLOROPROPENE	SW8260	20	U	UG/L	20
MW113	MW11	COBALT	SW6010	1.1	U	UG/L	0.33
MW113	MW11	COPPER	SW6010	0.67	U	UG/L	0.67
MW113	MW11	DIBROMOCHLOROMETHANE	SW8260	20	U	UG/L	20
MW113	MW11	DIBROMOFLUOROMETHANE	SW8260	99		UG/L	0
MW113	MW11	ETHYLBENZENE	SW8260	20	U	UG/L	20
MW113	MW11	Iodine	SM4500	0.5	U	MG/L	0.5
MW113	MW11	IRON	SW6010	589	=	UG/L	1.7
MW113	MW11	LEAD	SW6010	0.99	U	UG/L	0.99
MW113	MW11	MAGNESIUM	SW6010	7110	=	UG/L	2.4
MW113	MW11	MANGANESE	SW6010	21	=	UG/L	0.08
MW113	MW11	MERCURY	SW7470	0.08	U	UG/L	0.08

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW113	MW11	METHYLENE CHLORIDE	SW8260	20	U	UG/L	20
MW113	MW11	NICKEL	SW6010	1.4	U	UG/L	0.27
MW113	MW11	POTASSIUM	SW6010	807	J	UG/L	715.6
MW113	MW11	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW113	MW11	SILVER	SW6010	0.39	U	UG/L	0.39
MW113	MW11	SODIUM	SW6010	17300	=	UG/L	103.7
MW113	MW11	STYRENE	SW8260	20	U	UG/L	20
MW113	MW11	TETRACHLOROETHYLENE	SW8260	19	J	UG/L	20
MW113	MW11	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW113	MW11	TOLUENE	SW8260	20	U	UG/L	20
MW113	MW11	TOLUENE-D8	SW8260	102		UG/L	0
MW113	MW11	trans-1,3-DICHLOROPROPENE	SW8260	20	U	UG/L	20
MW113	MW11	TRICHLOROETHYLENE	SW8260	240	=	UG/L	20
MW113	MW11	VANADIUM	SW6010	0.82	U	UG/L	0.33
MW113	MW11	VINYL CHLORIDE	SW8260	20	U	UG/L	20
MW113	MW11	XYLENE (TOTAL)	SW8260	20	U	UG/L	20
MW113	MW11	ZINC	SW6010	4.5	U	UG/L	0.57
MW123	MW12	1,1,1-TRICHLOROETHANE	SW8260	250	U	UG/L	250
MW123	MW12	1,1,2,2-TETRACHLOROETHANE	SW8260	480	=	UG/L	250
MW123	MW12	1,1,2-TRICHLOROETHANE	SW8260	250	U	UG/L	250
MW123	MW12	1,1-DICHLOROETHANE	SW8260	250	U	UG/L	250
MW123	MW12	1,1-DICHLOROETHENE	SW8260	250	U	UG/L	250
MW123	MW12	1,2-DICHLOROETHANE	SW8260	250	U	UG/L	250
MW123	MW12	1,2-DICHLOROETHENE (TOTAL)	SW8260	220	J	UG/L	250
MW123	MW12	1,2-DICHLOROPROPANE	SW8260	250	U	UG/L	250
MW123	MW12	1-BROMO-4-FLUOROBENZENE (4-	SW8260	100		UG/L	0
MW123	MW12	2-BUTANONE	SW8260	250	U	UG/L	250
MW123	MW12	2-HEXANONE	SW8260	250	U	UG/L	250
MW123	MW12	4-METHYL-2-PENTANONE	SW8260	250	U	UG/L	250
MW123	MW12	ACETONE	SW8260	250	U	UG/L	250
MW123	MW12	ALUMINUM	SW6010	101	J	UG/L	6.8
MW123	MW12	ANTIMONY	SW6010	2	U	UG/L	2
MW123	MW12	ARSENIC	SW6010	2	U	UG/L	2
MW123	MW12	BARIUM	SW6010	52.9	J	UG/L	0.11
MW123	MW12	BENZENE	SW8260	250	U	UG/L	250
MW123	MW12	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW123	MW12	BROMODICHLOROMETHANE	SW8260	250	U	UG/L	250
MW123	MW12	BROMOFORM	SW8260	250	U	UG/L	250
MW123	MW12	BROMOMETHANE	SW8260	250	U	UG/L	250
MW123	MW12	CADMIUM	SW6010	0.1	U	UG/L	0.1
MW123	MW12	CALCIUM	SW6010	14400	=	UG/L	5.9
MW123	MW12	CARBON DISULFIDE	SW8260	250	U	UG/L	250
MW123	MW12	CARBON TETRACHLORIDE	SW8260	250	U	UG/L	250
MW123	MW12	CHLOROBENZENE	SW8260	250	U	UG/L	250
MW123	MW12	CHLOROETHANE	SW8260	250	U	UG/L	250
MW123	MW12	CHLOROFORM	SW8260	250	U	UG/L	250

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW123	MW12	CHLOROMETHANE	SW8260	250	U	UG/L	250
MW123	MW12	CHROMIUM, TOTAL	SW6010	0.82	U	UG/L	0.39
MW123	MW12	cis-1,3-DICHLOROPROPENE	SW8260	250	U	UG/L	250
MW123	MW12	COBALT	SW6010	0.62	U	UG/L	0.33
MW123	MW12	COPPER	SW6010	0.67	U	UG/L	0.67
MW123	MW12	DIBROMOCHLOROMETHANE	SW8260	250	U	UG/L	250
MW123	MW12	DIBROMOFLUOROMETHANE	SW8260	100		UG/L	0
MW123	MW12	ETHYLBENZENE	SW8260	250	U	UG/L	250
MW123	MW12	IRON	SW6010	465	=	UG/L	1.7
MW123	MW12	LEAD	SW6010	0.99	U	UG/L	0.99
MW123	MW12	MAGNESIUM	SW6010	7610	=	UG/L	2.4
MW123	MW12	MANGANESE	SW6010	10.1	J	UG/L	0.08
MW123	MW12	MERCURY	SW7470	0.08	U	UG/L	0.08
MW123	MW12	METHYLENE CHLORIDE	SW8260	250	U	UG/L	250
MW123	MW12	NICKEL	SW6010	0.8	U	UG/L	0.27
MW123	MW12	POTASSIUM	SW6010	716	U	UG/L	716
MW123	MW12	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW123	MW12	SILVER	SW6010	0.39	U	UG/L	0.39
MW123	MW12	SODIUM	SW6010	16600	=	UG/L	103.7
MW123	MW12	STYRENE	SW8260	250	U	UG/L	250
MW123	MW12	TETRACHLOROETHYLENE	SW8260	44	J	UG/L	250
MW123	MW12	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW123	MW12	TOLUENE	SW8260	250	U	UG/L	250
MW123	MW12	TOLUENE-D8	SW8260	100		UG/L	0
MW123	MW12	trans-1,3-DICHLOROPROPENE	SW8260	250	U	UG/L	250
MW123	MW12	TRICHLOROETHYLENE	SW8260	3800	=	UG/L	250
MW123	MW12	VANADIUM	SW6010	0.67	U	UG/L	0.33
MW123	MW12	VINYL CHLORIDE	SW8260	250	U	UG/L	250
MW123	MW12	XYLENE (TOTAL)	SW8260	250	U	UG/L	250
MW123	MW12	ZINC	SW6010	1.8	U	UG/L	0.57
MW133	MW13	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW133	MW13	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW133	MW13	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW133	MW13	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW133	MW13	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW133	MW13	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW133	MW13	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW133	MW13	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW133	MW13	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW133	MW13	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW133	MW13	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW133	MW13	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW133	MW13	1-BROMO-4-FLUOROBENZENE (4-	SW8260	109		UG/L	0
MW133	MW13	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW133	MW13	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW133	MW13	2,4,6-Tribromophenol - SS	SW8270	94		UG/L	0

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW133	MW13	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW133	MW13	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW133	MW13	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW133	MW13	2,4-DINITROPHENOL	SW8270	25	U	UG/L	25
MW133	MW13	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW133	MW13	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW133	MW13	2-BUTANONE	SW8260	10	U	UG/L	10
MW133	MW13	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW133	MW13	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW133	MW13	2-Fluorobiphenyl - SS	SW8270	97		UG/L	0
MW133	MW13	2-Fluorophenol - SS	SW8270	97		UG/L	0
MW133	MW13	2-HEXANONE	SW8260	10	U	UG/L	10
MW133	MW13	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW133	MW13	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW133	MW13	2-NITROANILINE	SW8270	25	U	UG/L	25
MW133	MW13	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW133	MW13	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW133	MW13	3-NITROANILINE	SW8270	25	U	UG/L	25
MW133	MW13	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	U	UG/L	25
MW133	MW13	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW133	MW13	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW133	MW13	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW133	MW13	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW133	MW13	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW133	MW13	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW133	MW13	4-NITROANILINE	SW8270	25	U	UG/L	25
MW133	MW13	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW133	MW13	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW133	MW13	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW133	MW13	ACETONE	SW8260	10	U	UG/L	10
MW133	MW13	ALUMINUM	SW6010	109	J	UG/L	6.8
MW133	MW13	Ammonia-Nitrogen	E350.2	0.2	U	MG/L	0.2
MW133	MW13	ANTHRACENE	SW8270	10	U	UG/L	10
MW133	MW13	ANTIMONY	SW6010	2	U	UG/L	2
MW133	MW13	ARSENIC	SW6010	2	U	UG/L	2
MW133	MW13	BARIUM	SW6010	37.6	J	UG/L	0.11
MW133	MW13	BENZENE	SW8260	10	U	UG/L	10
MW133	MW13	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW133	MW13	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW133	MW13	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW133	MW13	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW133	MW13	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW133	MW13	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW133	MW13	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW133	MW13	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW133	MW13	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW133	MW13	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW133	MW13	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW133	MW13	BROMOFORM	SW8260	10	U	UG/L	10
MW133	MW13	BROMOMETHANE	SW8260	10	U	UG/L	10
MW133	MW13	CADMIUM	SW6010	1.3	J	UG/L	0.1
MW133	MW13	CALCIUM	SW6010	11900	=	UG/L	5.9
MW133	MW13	CARBAZOLE	SW8270	10	U	UG/L	10
MW133	MW13	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW133	MW13	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW133	MW13	Chloride	E325.1	8.6	=	MG/L	1
MW133	MW13	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW133	MW13	CHLOROETHANE	SW8260	10	U	UG/L	10
MW133	MW13	CHLOROFORM	SW8260	10	U	UG/L	10
MW133	MW13	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW133	MW13	CHROMIUM, TOTAL	SW6010	2	U	UG/L	0.39
MW133	MW13	CHRYSENE	SW8270	10	U	UG/L	10
MW133	MW13	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW133	MW13	COBALT	SW6010	0.53	U	UG/L	0.33
MW133	MW13	COPPER	SW6010	0.67	U	UG/L	0.67
MW133	MW13	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW133	MW13	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW133	MW13	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW133	MW13	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW133	MW13	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW133	MW13	DIBROMOFLUOROMETHANE	SW8260	99		UG/L	0
MW133	MW13	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW133	MW13	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW133	MW13	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW133	MW13	FLUORANTHENE	SW8270	10	U	UG/L	10
MW133	MW13	FLUORENE	SW8270	10	U	UG/L	10
MW133	MW13	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW133	MW13	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW133	MW13	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW133	MW13	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW133	MW13	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW133	MW13	IRON	SW6010	276	=	UG/L	1.7
MW133	MW13	ISOPHORONE	SW8270	10	U	UG/L	10
MW133	MW13	LEAD	SW6010	0.99	U	UG/L	0.99
MW133	MW13	MAGNESIUM	SW6010	6050	=	UG/L	2.4
MW133	MW13	MANGANESE	SW6010	4.2	J	UG/L	0.08
MW133	MW13	MERCURY	SW7470	0.1	U	UG/L	0.08
MW133	MW13	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW133	MW13	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW133	MW13	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW133	MW13	NAPHTHALENE	SW8270	10	U	UG/L	10
MW133	MW13	NICKEL	SW6010	1.3	U	UG/L	0.27

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW133	MW13	Nitrate/Nitrite-N, Automated	E353.2	6.15	=	MG/L	0.25
MW133	MW13	NITROBENZENE	SW8270	10	U	UG/L	10
MW133	MW13	Nitrobenzene-d5 - SS	SW8270	86		UG/L	0
MW133	MW13	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW133	MW13	PHENANTHRENE	SW8270	10	U	UG/L	10
MW133	MW13	PHENOL	SW8270	10	U	UG/L	10
MW133	MW13	Phenol-d5 - SS	SW8270	70		UG/L	0
MW133	MW13	POTASSIUM	SW6010	716	U	UG/L	716
MW133	MW13	PYRENE	SW8270	10	U	UG/L	10
MW133	MW13	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW133	MW13	SILVER	SW6010	0.39	U	UG/L	0.39
MW133	MW13	SODIUM	SW6010	17300	J	UG/L	103.7
MW133	MW13	STYRENE	SW8260	10	U	UG/L	10
MW133	MW13	Sulfate	E375.4	34.6	=	MG/L	2
MW133	MW13	Terphenyl-d14 - SS	SW8270	107		UG/L	0
MW133	MW13	TETRACHLOROETHYLENE	SW8260	8	J	UG/L	10
MW133	MW13	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW133	MW13	TOLUENE	SW8260	10	U	UG/L	10
MW133	MW13	TOLUENE-D8	SW8260	100		UG/L	0
MW133	MW13	Total Organic Carbon (Soil/Water)	E415.2	1	U	MG/L	1
MW133	MW13	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW133	MW13	TRICHLOROETHYLENE	SW8260	10	U	UG/L	10
MW133	MW13	VANADIUM	SW6010	0.39	J	UG/L	0.33
MW133	MW13	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW133	MW13	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW133	MW13	ZINC	SW6010	1.9	UJ	UG/L	0.57
MW143	MW14	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW143	MW14	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW143	MW14	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW143	MW14	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW143	MW14	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW143	MW14	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW143	MW14	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW143	MW14	1,2-DICHLOROETHANE	SW8260	10	UJ	UG/L	10
MW143	MW14	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW143	MW14	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW143	MW14	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW143	MW14	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW143	MW14	1-BROMO-4-FLUOROBENZENE (4-	SW8260	101		UG/L	0
MW143	MW14	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW143	MW14	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW143	MW14	2,4,6-Tribromophenol - SS	SW8270	66		UG/L	0
MW143	MW14	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW143	MW14	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW143	MW14	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW143	MW14	2,4-DINITROPHENOL	SW8270	25	UJ	UG/L	25

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW143	MW14	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW143	MW14	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW143	MW14	2-BUTANONE	SW8260	2	J	UG/L	10
MW143	MW14	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW143	MW14	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW143	MW14	2-Fluorobiphenyl - SS	SW8270	76		UG/L	0
MW143	MW14	2-Fluorophenol - SS	SW8270	65		UG/L	0
MW143	MW14	2-HEXANONE	SW8260	10	U	UG/L	10
MW143	MW14	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW143	MW14	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW143	MW14	2-NITROANILINE	SW8270	25	U	UG/L	25
MW143	MW14	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW143	MW14	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW143	MW14	3-NITROANILINE	SW8270	25	U	UG/L	25
MW143	MW14	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	UJ	UG/L	25
MW143	MW14	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW143	MW14	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW143	MW14	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW143	MW14	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW143	MW14	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW143	MW14	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW143	MW14	4-NITROANILINE	SW8270	25	U	UG/L	25
MW143	MW14	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW143	MW14	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW143	MW14	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW143	MW14	ACETONE	SW8260	10	U	UG/L	10
MW143	MW14	ALUMINUM	SW6010	14200	J	UG/L	6.8
MW143	MW14	Ammonia-Nitrogen	E350.2	0.2	U	MG/L	0.2
MW143	MW14	ANTHRACENE	SW8270	10	U	UG/L	10
MW143	MW14	ANTIMONY	SW6010	6.4	U	UG/L	2
MW143	MW14	ARSENIC	SW6010	16.6	U	UG/L	2.1
MW143	MW14	BARIUM	SW6010	253	=	UG/L	0.11
MW143	MW14	BENZENE	SW8260	10	U	UG/L	10
MW143	MW14	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW143	MW14	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW143	MW14	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW143	MW14	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW143	MW14	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW143	MW14	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW143	MW14	BERYLLIUM	SW6010	0.99	J	UG/L	0.09
MW143	MW14	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW143	MW14	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW143	MW14	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW143	MW14	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW143	MW14	BROMOFORM	SW8260	10	U	UG/L	10
MW143	MW14	BROMOMETHANE	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW143	MW14	CADMIUM	SW6010	13.5	=	UG/L	0.1
MW143	MW14	CALCIUM	SW6010	19500	=	UG/L	5.9
MW143	MW14	CARBAZOLE	SW8270	10	U	UG/L	10
MW143	MW14	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW143	MW14	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW143	MW14	Chloride	E325.1	10.2	=	MG/L	1
MW143	MW14	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW143	MW14	CHLOROETHANE	SW8260	10	U	UG/L	10
MW143	MW14	CHLOROFORM	SW8260	10	U	UG/L	10
MW143	MW14	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW143	MW14	CHROMIUM, TOTAL	SW6010	36.9	=	UG/L	0.39
MW143	MW14	CHRYSENE	SW8270	10	U	UG/L	10
MW143	MW14	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW143	MW14	COBALT	SW6010	42.8	=	UG/L	0.33
MW143	MW14	COPPER	SW6010	26.7	=	UG/L	0.67
MW143	MW14	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW143	MW14	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW143	MW14	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW143	MW14	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW143	MW14	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW143	MW14	DIBROMOFLUOROMETHANE	SW8260	90		UG/L	0
MW143	MW14	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW143	MW14	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW143	MW14	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW143	MW14	FLUORANTHENE	SW8270	10	U	UG/L	10
MW143	MW14	FLUORENE	SW8270	10	U	UG/L	10
MW143	MW14	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW143	MW14	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW143	MW14	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW143	MW14	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW143	MW14	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW143	MW14	IRON	SW6010	52600	=	UG/L	1.7
MW143	MW14	ISOPHORONE	SW8270	10	U	UG/L	10
MW143	MW14	LEAD	SW6010	27.3	=	UG/L	0.99
MW143	MW14	MAGNESIUM	SW6010	9130	=	UG/L	2.4
MW143	MW14	MANGANESE	SW6010	979	=	UG/L	0.08
MW143	MW14	MERCURY	SW7470	0.22	U	UG/L	0.08
MW143	MW14	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW143	MW14	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW143	MW14	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW143	MW14	NAPHTHALENE	SW8270	10	U	UG/L	10
MW143	MW14	NICKEL	SW6010	17	J	UG/L	0.27
MW143	MW14	Nitrate/Nitrite-N, Automated	E353.2	4.67	=	MG/L	0.25
MW143	MW14	NITROBENZENE	SW8270	10	U	UG/L	10
MW143	MW14	Nitrobenzene-d5 - SS	SW8270	86		UG/L	0
MW143	MW14	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW143	MW14	PHENANTHRENE	SW8270	10	U	UG/L	10
MW143	MW14	PHENOL	SW8270	10	U	UG/L	10
MW143	MW14	Phenol-d5 - SS	SW8270	76		UG/L	0
MW143	MW14	POTASSIUM	SW6010	1560	J	UG/L	839.3
MW143	MW14	PYRENE	SW8270	10	UJ	UG/L	10
MW143	MW14	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW143	MW14	SILVER	SW6010	0.39	U	UG/L	0.39
MW143	MW14	SODIUM	SW6010	12500	J	UG/L	103.7
MW143	MW14	STYRENE	SW8260	10	U	UG/L	10
MW143	MW14	Sulfate	E375.4	36.2	=	MG/L	8
MW143	MW14	Terphenyl-d14 - SS	SW8270	74		UG/L	0
MW143	MW14	TETRACHLOROETHYLENE	SW8260	10	U	UG/L	10
MW143	MW14	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW143	MW14	TOLUENE	SW8260	10	U	UG/L	10
MW143	MW14	TOLUENE-D8	SW8260	99		UG/L	0
MW143	MW14	Total Organic Carbon (Soil/Water)	E415.2	2.6	=	MG/L	1
MW143	MW14	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW143	MW14	TRICHLOROETHYLENE	SW8260	1	J	UG/L	10
MW143	MW14	VANADIUM	SW6010	58.6	=	UG/L	0.33
MW143	MW14	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW143	MW14	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW143	MW14	ZINC	SW6010	75	J	UG/L	0.57
MW153	MW15	1,1,1-TRICHLOROETHANE	SW8260	25	U	UG/L	25
MW153	MW15	1,1,2,2-TETRACHLOROETHANE	SW8260	25	U	UG/L	25
MW153	MW15	1,1,2-TRICHLOROETHANE	SW8260	25	U	UG/L	25
MW153	MW15	1,1-DICHLOROETHANE	SW8260	25	U	UG/L	25
MW153	MW15	1,1-DICHLOROETHENE	SW8260	25	U	UG/L	25
MW153	MW15	1,2-DICHLOROETHANE	SW8260	25	U	UG/L	25
MW153	MW15	1,2-DICHLOROETHENE (TOTAL)	SW8260	12	J	UG/L	25
MW153	MW15	1,2-DICHLOROPROPANE	SW8260	25	U	UG/L	25
MW153	MW15	1-BROMO-4-FLUOROBENZENE (4-	SW8260	109		UG/L	0
MW153	MW15	2-BUTANONE	SW8260	25	U	UG/L	25
MW153	MW15	2-HEXANONE	SW8260	25	U	UG/L	25
MW153	MW15	4-METHYL-2-PENTANONE	SW8260	25	U	UG/L	25
MW153	MW15	ACETONE	SW8260	25	U	UG/L	25
MW153	MW15	ALUMINUM	SW6010	12000	J	UG/L	6.8
MW153	MW15	ANTIMONY	SW6010	4.6	U	UG/L	2
MW153	MW15	ARSENIC	SW6010	11	=	UG/L	2.1
MW153	MW15	BARIUM	SW6010	130	J	UG/L	0.11
MW153	MW15	BENZENE	SW8260	25	U	UG/L	25
MW153	MW15	BERYLLIUM	SW6010	0.69	J	UG/L	0.09
MW153	MW15	BROMODICHLOROMETHANE	SW8260	25	U	UG/L	25
MW153	MW15	BROMOFORM	SW8260	25	U	UG/L	25
MW153	MW15	BROMOMETHANE	SW8260	25	U	UG/L	25
MW153	MW15	CADMIUM	SW6010	0.16	J	UG/L	0.1
MW153	MW15	CALCIUM	SW6010	15000	=	UG/L	5.9

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW153	MW15	CARBON DISULFIDE	SW8260	25	U	UG/L	25
MW153	MW15	CARBON TETRACHLORIDE	SW8260	46	=	UG/L	25
MW153	MW15	CHLOROBENZENE	SW8260	25	U	UG/L	25
MW153	MW15	CHLOROETHANE	SW8260	25	U	UG/L	25
MW153	MW15	CHLOROFORM	SW8260	380	=	UG/L	25
MW153	MW15	CHLOROMETHANE	SW8260	25	U	UG/L	25
MW153	MW15	CHROMIUM, TOTAL	SW6010	27.2	=	UG/L	0.39
MW153	MW15	cis-1,3-DICHLOROPROPENE	SW8260	25	U	UG/L	25
MW153	MW15	COBALT	SW6010	20	J	UG/L	0.33
MW153	MW15	COPPER	SW6010	15.3	J	UG/L	0.67
MW153	MW15	DIBROMOCHLOROMETHANE	SW8260	25	U	UG/L	25
MW153	MW15	DIBROMOFLUOROMETHANE	SW8260	97		UG/L	0
MW153	MW15	ETHYLBENZENE	SW8260	25	U	UG/L	25
MW153	MW15	IRON	SW6010	39700	=	UG/L	1.7
MW153	MW15	LEAD	SW6010	13.6	=	UG/L	0.99
MW153	MW15	MAGNESIUM	SW6010	7600	=	UG/L	2.4
MW153	MW15	MANGANESE	SW6010	279	=	UG/L	0.08
MW153	MW15	MERCURY	SW7470	0.23	=	UG/L	0.08
MW153	MW15	METHYLENE CHLORIDE	SW8260	25	U	UG/L	25
MW153	MW15	NICKEL	SW6010	11.1	J	UG/L	0.27
MW153	MW15	POTASSIUM	SW6010	4480	J	UG/L	715.6
MW153	MW15	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW153	MW15	SILVER	SW6010	0.39	U	UG/L	0.39
MW153	MW15	SODIUM	SW6010	18000	J	UG/L	103.7
MW153	MW15	STYRENE	SW8260	25	U	UG/L	25
MW153	MW15	TETRACHLOROETHYLENE	SW8260	12	J	UG/L	25
MW153	MW15	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW153	MW15	TOLUENE	SW8260	25	U	UG/L	25
MW153	MW15	TOLUENE-D8	SW8260	100		UG/L	0
MW153	MW15	trans-1,3-DICHLOROPROPENE	SW8260	25	U	UG/L	25
MW153	MW15	TRICHLOROETHYLENE	SW8260	140	=	UG/L	25
MW153	MW15	VANADIUM	SW6010	52.5	=	UG/L	0.33
MW153	MW15	VINYL CHLORIDE	SW8260	25	U	UG/L	25
MW153	MW15	XYLENE (TOTAL)	SW8260	25	U	UG/L	25
MW153	MW15	ZINC	SW6010	28.9	UJ	UG/L	0.57
MW163	MW16	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW163	MW16	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW163	MW16	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW163	MW16	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW163	MW16	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW163	MW16	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW163	MW16	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW163	MW16	1,2-DICHLOROETHANE	SW8260	10	UJ	UG/L	10
MW163	MW16	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW163	MW16	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW163	MW16	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW163	MW16	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW163	MW16	1-BROMO-4-FLUOROBENZENE (4-	SW8260	100		UG/L	0
MW163	MW16	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW163	MW16	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW163	MW16	2,4,6-Tribromophenol - SS	SW8270	70		UG/L	0
MW163	MW16	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW163	MW16	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW163	MW16	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW163	MW16	2,4-DINITROPHENOL	SW8270	25	UJ	UG/L	25
MW163	MW16	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW163	MW16	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW163	MW16	2-BUTANONE	SW8260	2	J	UG/L	10
MW163	MW16	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW163	MW16	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW163	MW16	2-Fluorobiphenyl - SS	SW8270	75		UG/L	0
MW163	MW16	2-Fluorophenol - SS	SW8270	60		UG/L	0
MW163	MW16	2-HEXANONE	SW8260	10	U	UG/L	10
MW163	MW16	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW163	MW16	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW163	MW16	2-NITROANILINE	SW8270	25	U	UG/L	25
MW163	MW16	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW163	MW16	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW163	MW16	3-NITROANILINE	SW8270	25	U	UG/L	25
MW163	MW16	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	UJ	UG/L	25
MW163	MW16	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW163	MW16	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW163	MW16	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW163	MW16	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW163	MW16	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW163	MW16	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW163	MW16	4-NITROANILINE	SW8270	25	U	UG/L	25
MW163	MW16	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW163	MW16	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW163	MW16	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW163	MW16	ACETONE	SW8260	10	U	UG/L	10
MW163	MW16	ALUMINUM	SW6010	1380	J	UG/L	6.8
MW163	MW16	ANTHRACENE	SW8270	10	U	UG/L	10
MW163	MW16	ANTIMONY	SW6010	2	U	UG/L	2
MW163	MW16	ARSENIC	SW6010	4.3	U	UG/L	2.1
MW163	MW16	BARIUM	SW6010	53	=	UG/L	0.11
MW163	MW16	BENZENE	SW8260	10	U	UG/L	10
MW163	MW16	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW163	MW16	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW163	MW16	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW163	MW16	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW163	MW16	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW163	MW16	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW163	MW16	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW163	MW16	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW163	MW16	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW163	MW16	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW163	MW16	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW163	MW16	BROMOFORM	SW8260	10	U	UG/L	10
MW163	MW16	BROMOMETHANE	SW8260	10	U	UG/L	10
MW163	MW16	CADMIUM	SW6010	3.5	J	UG/L	0.1
MW163	MW16	CALCIUM	SW6010	31500	=	UG/L	5.9
MW163	MW16	CARBAZOLE	SW8270	10	U	UG/L	10
MW163	MW16	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW163	MW16	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW163	MW16	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW163	MW16	CHLOROETHANE	SW8260	10	U	UG/L	10
MW163	MW16	CHLOROFORM	SW8260	10	U	UG/L	10
MW163	MW16	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW163	MW16	CHROMIUM, TOTAL	SW6010	3.8	U	UG/L	0.39
MW163	MW16	CHRYSENE	SW8270	10	U	UG/L	10
MW163	MW16	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW163	MW16	COBALT	SW6010	2.4	U	UG/L	0.33
MW163	MW16	COPPER	SW6010	49.2	=	UG/L	0.67
MW163	MW16	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW163	MW16	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW163	MW16	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW163	MW16	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW163	MW16	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW163	MW16	DIBROMOFLUOROMETHANE	SW8260	88		UG/L	0
MW163	MW16	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW163	MW16	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW163	MW16	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW163	MW16	FLUORANTHENE	SW8270	10	U	UG/L	10
MW163	MW16	FLUORENE	SW8270	10	U	UG/L	10
MW163	MW16	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW163	MW16	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW163	MW16	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW163	MW16	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW163	MW16	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW163	MW16	IRON	SW6010	1940	=	UG/L	1.7
MW163	MW16	ISOPHORONE	SW8270	10	U	UG/L	10
MW163	MW16	LEAD	SW6010	3.8	=	UG/L	0.99
MW163	MW16	MAGNESIUM	SW6010	12200	=	UG/L	2.4
MW163	MW16	MANGANESE	SW6010	257	=	UG/L	0.08
MW163	MW16	MERCURY	SW7470	0.08	U	UG/L	0.08
MW163	MW16	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW163	MW16	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW163	MW16	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW163	MW16	NAPHTHALENE	SW8270	10	U	UG/L	10
MW163	MW16	NICKEL	SW6010	5	J	UG/L	0.27
MW163	MW16	NITROBENZENE	SW8270	10	U	UG/L	10
MW163	MW16	Nitrobenzene-d5 - SS	SW8270	81		UG/L	0
MW163	MW16	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW163	MW16	PHENANTHRENE	SW8270	10	U	UG/L	10
MW163	MW16	PHENOL	SW8270	10	U	UG/L	10
MW163	MW16	Phenol-d5 - SS	SW8270	74		UG/L	0
MW163	MW16	POTASSIUM	SW6010	5080	=	UG/L	839.3
MW163	MW16	PYRENE	SW8270	10	UJ	UG/L	10
MW163	MW16	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW163	MW16	SILVER	SW6010	0.39	U	UG/L	0.39
MW163	MW16	SODIUM	SW6010	29100	J	UG/L	103.7
MW163	MW16	STYRENE	SW8260	10	U	UG/L	10
MW163	MW16	Terphenyl-d14 - SS	SW8270	71		UG/L	0
MW163	MW16	TETRACHLOROETHYLENE	SW8260	10	U	UG/L	10
MW163	MW16	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW163	MW16	TOLUENE	SW8260	10	U	UG/L	10
MW163	MW16	TOLUENE-D8	SW8260	97		UG/L	0
MW163	MW16	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW163	MW16	TRICHLOROETHYLENE	SW8260	10	U	UG/L	10
MW163	MW16	VANADIUM	SW6010	3.6	J	UG/L	0.33
MW163	MW16	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW163	MW16	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW163	MW16	ZINC	SW6010	20.3	UJ	UG/L	0.57
MW193	MW19	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW193	MW19	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW193	MW19	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW193	MW19	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW193	MW19	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW193	MW19	1,2-DICHLOROETHANE	SW8260	10	UJ	UG/L	10
MW193	MW19	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW193	MW19	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW193	MW19	1-BROMO-4-FLUOROBENZENE (4-	SW8260	100		UG/L	0
MW193	MW19	2-BUTANONE	SW8260	10	U	UG/L	10
MW193	MW19	2-HEXANONE	SW8260	10	U	UG/L	10
MW193	MW19	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW193	MW19	ACETONE	SW8260	10	U	UG/L	10
MW193	MW19	ALUMINUM	SW6010	15100	J	UG/L	6.8
MW193	MW19	ANTIMONY	SW6010	4.8	U	UG/L	2
MW193	MW19	ARSENIC	SW6010	14.4	=	UG/L	2.1
MW193	MW19	BARIUM	SW6010	219	=	UG/L	0.11
MW193	MW19	BENZENE	SW8260	10	U	UG/L	10
MW193	MW19	BERYLLIUM	SW6010	0.61	J	UG/L	0.09
MW193	MW19	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW193	MW19	BROMOFORM	SW8260	10	U	UG/L	10
MW193	MW19	BROMOMETHANE	SW8260	10	U	UG/L	10
MW193	MW19	CADMIUM	SW6010	5.7	=	UG/L	0.1
MW193	MW19	CALCIUM	SW6010	15100	=	UG/L	5.9
MW193	MW19	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW193	MW19	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW193	MW19	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW193	MW19	CHLOROETHANE	SW8260	10	U	UG/L	10
MW193	MW19	CHLOROFORM	SW8260	10	U	UG/L	10
MW193	MW19	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW193	MW19	CHROMIUM, TOTAL	SW6010	30.3	=	UG/L	0.39
MW193	MW19	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW193	MW19	COBALT	SW6010	7.8	J	UG/L	0.33
MW193	MW19	COPPER	SW6010	31.8	=	UG/L	0.67
MW193	MW19	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW193	MW19	DIBROMOFLUOROMETHANE	SW8260	88		UG/L	0
MW193	MW19	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW193	MW19	IRON	SW6010	33900	=	UG/L	1.7
MW193	MW19	LEAD	SW6010	14.3	=	UG/L	0.99
MW193	MW19	MAGNESIUM	SW6010	6180	=	UG/L	2.4
MW193	MW19	MANGANESE	SW6010	314	=	UG/L	0.08
MW193	MW19	MERCURY	SW7470	0.08	U	UG/L	0.08
MW193	MW19	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW193	MW19	NICKEL	SW6010	11.3	J	UG/L	0.27
MW193	MW19	POTASSIUM	SW6010	3770	=	UG/L	839.3
MW193	MW19	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW193	MW19	SILVER	SW6010	0.39	U	UG/L	0.39
MW193	MW19	SODIUM	SW6010	10100	J	UG/L	103.7
MW193	MW19	STYRENE	SW8260	10	U	UG/L	10
MW193	MW19	TETRACHLOROETHYLENE	SW8260	10	U	UG/L	10
MW193	MW19	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW193	MW19	TOLUENE	SW8260	10	U	UG/L	10
MW193	MW19	TOLUENE-D8	SW8260	97		UG/L	0
MW193	MW19	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW193	MW19	TRICHLOROETHYLENE	SW8260	10	U	UG/L	10
MW193	MW19	VANADIUM	SW6010	44.7	=	UG/L	0.33
MW193	MW19	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW193	MW19	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW193	MW19	ZINC	SW6010	42.1	J	UG/L	0.57
MW203	MW20	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW203	MW20	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW203	MW20	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW203	MW20	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW203	MW20	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW203	MW20	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW203	MW20	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW203	MW20	1,2-DICHLOROETHANE	SW8260	10	UJ	UG/L	10
MW203	MW20	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW203	MW20	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW203	MW20	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW203	MW20	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW203	MW20	1-BROMO-4-FLUOROBENZENE (4-	SW8260	109		UG/L	0
MW203	MW20	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW203	MW20	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW203	MW20	2,4,6-Tribromophenol - SS	SW8270	73		UG/L	0
MW203	MW20	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW203	MW20	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW203	MW20	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW203	MW20	2,4-DINITROPHENOL	SW8270	25	UJ	UG/L	25
MW203	MW20	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW203	MW20	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW203	MW20	2-BUTANONE	SW8260	10	U	UG/L	10
MW203	MW20	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW203	MW20	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW203	MW20	2-Fluorobiphenyl - SS	SW8270	85		UG/L	0
MW203	MW20	2-Fluorophenol - SS	SW8270	75		UG/L	0
MW203	MW20	2-HEXANONE	SW8260	10	U	UG/L	10
MW203	MW20	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW203	MW20	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW203	MW20	2-NITROANILINE	SW8270	25	U	UG/L	25
MW203	MW20	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW203	MW20	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW203	MW20	3-NITROANILINE	SW8270	25	U	UG/L	25
MW203	MW20	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	UJ	UG/L	25
MW203	MW20	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW203	MW20	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW203	MW20	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW203	MW20	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW203	MW20	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW203	MW20	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW203	MW20	4-NITROANILINE	SW8270	25	U	UG/L	25
MW203	MW20	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW203	MW20	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW203	MW20	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW203	MW20	ACETONE	SW8260	10	U	UG/L	10
MW203	MW20	ALUMINUM	SW6010	126000	J	UG/L	6.8
MW203	MW20	ANTHRACENE	SW8270	10	U	UG/L	10
MW203	MW20	ANTIMONY	SW6010	4.8	U	UG/L	2
MW203	MW20	ARSENIC	SW6010	90.5	=	UG/L	2.1
MW203	MW20	BARIUM	SW6010	393	=	UG/L	0.11
MW203	MW20	BENZENE	SW8260	10	U	UG/L	10
MW203	MW20	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW203	MW20	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW203	MW20	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW203	MW20	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW203	MW20	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW203	MW20	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW203	MW20	BERYLLIUM	SW6010	5.9	=	UG/L	0.09
MW203	MW20	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW203	MW20	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW203	MW20	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW203	MW20	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW203	MW20	BROMOFORM	SW8260	10	U	UG/L	10
MW203	MW20	BROMOMETHANE	SW8260	10	U	UG/L	10
MW203	MW20	CADMIUM	SW6010	84.6	=	UG/L	0.1
MW203	MW20	CALCIUM	SW6010	27400	=	UG/L	5.9
MW203	MW20	CARBAZOLE	SW8270	10	U	UG/L	10
MW203	MW20	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW203	MW20	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW203	MW20	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW203	MW20	CHLOROETHANE	SW8260	10	U	UG/L	10
MW203	MW20	CHLOROFORM	SW8260	10	U	UG/L	10
MW203	MW20	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW203	MW20	CHROMIUM, TOTAL	SW6010	147	=	UG/L	0.39
MW203	MW20	CHRYSENE	SW8270	10	U	UG/L	10
MW203	MW20	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW203	MW20	COBALT	SW6010	38	=	UG/L	0.33
MW203	MW20	COPPER	SW6010	147	=	UG/L	0.67
MW203	MW20	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW203	MW20	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW203	MW20	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW203	MW20	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW203	MW20	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW203	MW20	DIBROMOFLUOROMETHANE	SW8260	95		UG/L	0
MW203	MW20	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW203	MW20	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW203	MW20	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW203	MW20	FLUORANTHENE	SW8270	10	U	UG/L	10
MW203	MW20	FLUORENE	SW8270	10	U	UG/L	10
MW203	MW20	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW203	MW20	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW203	MW20	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW203	MW20	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW203	MW20	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW203	MW20	IRON	SW6010	136000	=	UG/L	1.7
MW203	MW20	ISOPHORONE	SW8270	10	U	UG/L	10
MW203	MW20	LEAD	SW6010	111	=	UG/L	0.99
MW203	MW20	MAGNESIUM	SW6010	14300	=	UG/L	2.4

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW203	MW20	MANGANESE	SW6010	1400	=	UG/L	0.08
MW203	MW20	MERCURY	SW7470	0.46	U	UG/L	0.08
MW203	MW20	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW203	MW20	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW203	MW20	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW203	MW20	NAPHTHALENE	SW8270	10	U	UG/L	10
MW203	MW20	NICKEL	SW6010	68.7	=	UG/L	0.27
MW203	MW20	NITROBENZENE	SW8270	10	U	UG/L	10
MW203	MW20	Nitrobenzene-d5 - SS	SW8270	89		UG/L	0
MW203	MW20	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW203	MW20	PHENANTHRENE	SW8270	10	U	UG/L	10
MW203	MW20	PHENOL	SW8270	10	U	UG/L	10
MW203	MW20	Phenol-d5 - SS	SW8270	87		UG/L	0
MW203	MW20	POTASSIUM	SW6010	13900	=	UG/L	839.3
MW203	MW20	PYRENE	SW8270	10	UJ	UG/L	10
MW203	MW20	SELENIUM	SW6010	4.1	J	UG/L	3.5
MW203	MW20	SILVER	SW6010	0.39	U	UG/L	0.39
MW203	MW20	SODIUM	SW6010	10800	J	UG/L	103.7
MW203	MW20	STYRENE	SW8260	10	U	UG/L	10
MW203	MW20	Terphenyl-d14 - SS	SW8270	54		UG/L	0
MW203	MW20	TETRACHLOROETHYLENE	SW8260	10	U	UG/L	10
MW203	MW20	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW203	MW20	TOLUENE	SW8260	10	U	UG/L	10
MW203	MW20	TOLUENE-D8	SW8260	105		UG/L	0
MW203	MW20	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW203	MW20	TRICHLOROETHYLENE	SW8260	10	U	UG/L	10
MW203	MW20	VANADIUM	SW6010	262	=	UG/L	0.33
MW203	MW20	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW203	MW20	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW203	MW20	ZINC	SW6010	267	J	UG/L	0.57
MW213	MW21	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW213	MW21	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW213	MW21	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW213	MW21	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW213	MW21	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW213	MW21	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW213	MW21	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW213	MW21	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW213	MW21	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW213	MW21	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW213	MW21	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW213	MW21	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW213	MW21	1-BROMO-4-FLUOROBENZENE (4-	SW8260	113		UG/L	0
MW213	MW21	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW213	MW21	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW213	MW21	2,4,6-Tribromophenol - SS	SW8270	75		UG/L	0

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW213	MW21	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW213	MW21	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW213	MW21	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW213	MW21	2,4-DINITROPHENOL	SW8270	25	U	UG/L	25
MW213	MW21	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW213	MW21	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW213	MW21	2-BUTANONE	SW8260	10	U	UG/L	10
MW213	MW21	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW213	MW21	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW213	MW21	2-Fluorobiphenyl - SS	SW8270	68		UG/L	0
MW213	MW21	2-Fluorophenol - SS	SW8270	62		UG/L	0
MW213	MW21	2-HEXANONE	SW8260	10	U	UG/L	10
MW213	MW21	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW213	MW21	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW213	MW21	2-NITROANILINE	SW8270	25	U	UG/L	25
MW213	MW21	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW213	MW21	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW213	MW21	3-NITROANILINE	SW8270	25	U	UG/L	25
MW213	MW21	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	U	UG/L	25
MW213	MW21	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW213	MW21	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW213	MW21	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW213	MW21	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW213	MW21	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW213	MW21	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW213	MW21	4-NITROANILINE	SW8270	25	U	UG/L	25
MW213	MW21	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW213	MW21	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW213	MW21	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW213	MW21	ACETONE	SW8260	10	U	UG/L	10
MW213	MW21	ALUMINUM	SW6010	3840	=	UG/L	6.8
MW213	MW21	ANTHRACENE	SW8270	10	U	UG/L	10
MW213	MW21	ANTIMONY	SW6010	2	U	UG/L	2
MW213	MW21	ARSENIC	SW6010	2	U	UG/L	2
MW213	MW21	BARIUM	SW6010	60.7	J	UG/L	0.11
MW213	MW21	BENZENE	SW8260	10	U	UG/L	10
MW213	MW21	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW213	MW21	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW213	MW21	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW213	MW21	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW213	MW21	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW213	MW21	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW213	MW21	BERYLLIUM	SW6010	0.3	U	UG/L	0.09
MW213	MW21	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW213	MW21	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW213	MW21	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW213	MW21	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW213	MW21	BROMOFORM	SW8260	10	U	UG/L	10
MW213	MW21	BROMOMETHANE	SW8260	10	U	UG/L	10
MW213	MW21	CADMIUM	SW6010	2.3	J	UG/L	0.1
MW213	MW21	CALCIUM	SW6010	14100	=	UG/L	5.9
MW213	MW21	CARBAZOLE	SW8270	10	U	UG/L	10
MW213	MW21	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW213	MW21	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW213	MW21	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW213	MW21	CHLOROETHANE	SW8260	10	U	UG/L	10
MW213	MW21	CHLOROFORM	SW8260	10	U	UG/L	10
MW213	MW21	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW213	MW21	CHROMIUM, TOTAL	SW6010	9.4	U	UG/L	0.39
MW213	MW21	CHRYSENE	SW8270	10	U	UG/L	10
MW213	MW21	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW213	MW21	COBALT	SW6010	2.9	J	UG/L	0.33
MW213	MW21	COPPER	SW6010	5	J	UG/L	0.67
MW213	MW21	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW213	MW21	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW213	MW21	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW213	MW21	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW213	MW21	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW213	MW21	DIBROMOFLUOROMETHANE	SW8260	93		UG/L	0
MW213	MW21	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW213	MW21	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW213	MW21	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW213	MW21	FLUORANTHENE	SW8270	10	U	UG/L	10
MW213	MW21	FLUORENE	SW8270	10	U	UG/L	10
MW213	MW21	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW213	MW21	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW213	MW21	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW213	MW21	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW213	MW21	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW213	MW21	IRON	SW6010	8520	=	UG/L	1.7
MW213	MW21	ISOPHORONE	SW8270	10	U	UG/L	10
MW213	MW21	LEAD	SW6010	5.9	=	UG/L	0.99
MW213	MW21	MAGNESIUM	SW6010	7180	=	UG/L	2.4
MW213	MW21	MANGANESE	SW6010	59.8	=	UG/L	0.08
MW213	MW21	MERCURY	SW7470	0.08	U	UG/L	0.08
MW213	MW21	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW213	MW21	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW213	MW21	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW213	MW21	NAPHTHALENE	SW8270	10	U	UG/L	10
MW213	MW21	NICKEL	SW6010	3.2	U	UG/L	0.27
MW213	MW21	NITROBENZENE	SW8270	10	U	UG/L	10
MW213	MW21	Nitrobenzene-d5 - SS	SW8270	77		UG/L	0

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW213	MW21	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW213	MW21	PHENANTHRENE	SW8270	10	U	UG/L	10
MW213	MW21	PHENOL	SW8270	10	U	UG/L	10
MW213	MW21	Phenol-d5 - SS	SW8270	64		UG/L	0
MW213	MW21	POTASSIUM	SW6010	2060	J	UG/L	715.6
MW213	MW21	PYRENE	SW8270	10	U	UG/L	10
MW213	MW21	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW213	MW21	SILVER	SW6010	0.39	U	UG/L	0.39
MW213	MW21	SODIUM	SW6010	15100	=	UG/L	103.7
MW213	MW21	STYRENE	SW8260	10	U	UG/L	10
MW213	MW21	Terphenyl-d14 - SS	SW8270	67		UG/L	0
MW213	MW21	TETRACHLOROETHYLENE	SW8260	62	=	UG/L	10
MW213	MW21	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW213	MW21	TOLUENE	SW8260	10	U	UG/L	10
MW213	MW21	TOLUENE-D8	SW8260	100		UG/L	0
MW213	MW21	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW213	MW21	TRICHLOROETHYLENE	SW8260	12	=	UG/L	10
MW213	MW21	VANADIUM	SW6010	15.8	J	UG/L	0.33
MW213	MW21	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW213	MW21	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW213	MW21	ZINC	SW6010	219	=	UG/L	0.57
MW213ADD	MW21	Ammonia-Nitrogen	E350.2	0.2	U	MG/L	0.2
MW213ADD	MW21	Chloride	E325.1	17.3	=	MG/L	1
MW213ADD	MW21	IRON	SW6010	2220	=	UG/L	1.7
MW213ADD	MW21	Nitrate/Nitrite-N, Automated	E353.2	3.21	=	MG/L	0.25
MW213ADD	MW21	Sulfate	E375.4	2	U	MG/L	2
MW213ADD	MW21	Total Organic Carbon (Soil/Water)	E415.2	2.7	=	MG/L	1
MW223	MW22	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW223	MW22	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW223	MW22	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW223	MW22	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW223	MW22	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW223	MW22	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW223	MW22	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW223	MW22	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW223	MW22	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW223	MW22	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW223	MW22	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW223	MW22	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW223	MW22	1-BROMO-4-FLUOROBENZENE (4-	SW8260	110		UG/L	0
MW223	MW22	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW223	MW22	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW223	MW22	2,4,6-Tribromophenol - SS	SW8270	81		UG/L	0
MW223	MW22	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW223	MW22	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW223	MW22	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10

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Sample ID ..	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW223	MW22	2,4-DINITROPHENOL	SW8270	25	UJ	UG/L	25
MW223	MW22	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW223	MW22	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW223	MW22	2-BUTANONE	SW8260	10	U	UG/L	10
MW223	MW22	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW223	MW22	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW223	MW22	2-Fluorobiphenyl - SS	SW8270	76		UG/L	0
MW223	MW22	2-Fluorophenol - SS	SW8270	64		UG/L	0
MW223	MW22	2-HEXANONE	SW8260	10	U	UG/L	10
MW223	MW22	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW223	MW22	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW223	MW22	2-NITROANILINE	SW8270	25	U	UG/L	25
MW223	MW22	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW223	MW22	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW223	MW22	3-NITROANILINE	SW8270	25	U	UG/L	25
MW223	MW22	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	UJ	UG/L	25
MW223	MW22	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW223	MW22	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW223	MW22	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW223	MW22	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW223	MW22	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW223	MW22	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW223	MW22	4-NITROANILINE	SW8270	25	U	UG/L	25
MW223	MW22	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW223	MW22	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW223	MW22	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW223	MW22	ACETONE	SW8260	10	U	UG/L	10
MW223	MW22	ALUMINUM	SW6010	7910	J	UG/L	6.8
MW223	MW22	Ammonia-Nitrogen	E350.2	0.2	U	MG/L	0.2
MW223	MW22	ANTHRACENE	SW8270	10	U	UG/L	10
MW223	MW22	ANTIMONY	SW6010	7.7	U	UG/L	2
MW223	MW22	ARSENIC	SW6010	2.5	J	UG/L	2.1
MW223	MW22	BARIUM	SW6010	123	=	UG/L	0.11
MW223	MW22	BENZENE	SW8260	10	U	UG/L	10
MW223	MW22	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW223	MW22	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW223	MW22	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW223	MW22	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW223	MW22	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW223	MW22	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW223	MW22	BERYLLIUM	SW6010	0.2	J	UG/L	0.09
MW223	MW22	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW223	MW22	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW223	MW22	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW223	MW22	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW223	MW22	BROMOFORM	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW223	MW22	BROMOMETHANE	SW8260	10	U	UG/L	10
MW223	MW22	CADMIUM	SW6010	5.6	=	UG/L	0.1
MW223	MW22	CALCIUM	SW6010	27800	=	UG/L	5.9
MW223	MW22	CARBAZOLE	SW8270	10	U	UG/L	10
MW223	MW22	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW223	MW22	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW223	MW22	Chloride	E325.1	35	=	MG/L	2
MW223	MW22	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW223	MW22	CHLOROETHANE	SW8260	10	U	UG/L	10
MW223	MW22	CHLOROFORM	SW8260	10	U	UG/L	10
MW223	MW22	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW223	MW22	CHROMIUM, TOTAL	SW6010	25.7	=	UG/L	0.39
MW223	MW22	CHRYSENE	SW8270	10	U	UG/L	10
MW223	MW22	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW223	MW22	COBALT	SW6010	2.1	J	UG/L	0.33
MW223	MW22	COPPER	SW6010	17.8	=	UG/L	0.67
MW223	MW22	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW223	MW22	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW223	MW22	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW223	MW22	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW223	MW22	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW223	MW22	DIBROMOFLUOROMETHANE	SW8260	98		UG/L	0
MW223	MW22	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW223	MW22	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW223	MW22	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW223	MW22	FLUORANTHENE	SW8270	10	U	UG/L	10
MW223	MW22	FLUORENE	SW8270	10	U	UG/L	10
MW223	MW22	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW223	MW22	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW223	MW22	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW223	MW22	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW223	MW22	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW223	MW22	IRON	SW6010	19700	=	UG/L	1.7
MW223	MW22	ISOPHORONE	SW8270	10	U	UG/L	10
MW223	MW22	LEAD	SW6010	9.1	=	UG/L	0.99
MW223	MW22	MAGNESIUM	SW6010	14400	=	UG/L	2.4
MW223	MW22	MANGANESE	SW6010	71.7	=	UG/L	0.08
MW223	MW22	MERCURY	SW7470	0.08	U	UG/L	0.08
MW223	MW22	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW223	MW22	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW223	MW22	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW223	MW22	NAPHTHALENE	SW8270	10	U	UG/L	10
MW223	MW22	NICKEL	SW6010	7.2	J	UG/L	0.27
MW223	MW22	Nitrate/Nitrite-N, Automated	E353.2	7.33	=	MG/L	0.25
MW223	MW22	NITROBENZENE	SW8270	10	U	UG/L	10
MW223	MW22	Nitrobenzene-d5 - SS	SW8270	80		UG/L	0

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW223	MW22	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW223	MW22	PHENANTHRENE	SW8270	10	U	UG/L	10
MW223	MW22	PHENOL	SW8270	10	U	UG/L	10
MW223	MW22	Phenol-d6 - SS	SW8270	73		UG/L	0
MW223	MW22	POTASSIUM	SW6010	4500	=	UG/L	715.6
MW223	MW22	PYRENE	SW8270	10	UJ	UG/L	10
MW223	MW22	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW223	MW22	SILVER	SW6010	0.39	U	UG/L	0.39
MW223	MW22	SODIUM	SW6010	41400	J	UG/L	103.7
MW223	MW22	STYRENE	SW8260	10	U	UG/L	10
MW223	MW22	Sulfate	E375.4	25.5	=	MG/L	2
MW223	MW22	Terphenyl-d14 - SS	SW8270	69		UG/L	0
MW223	MW22	TETRACHLOROETHYLENE	SW8260	2	J	UG/L	10
MW223	MW22	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW223	MW22	TOLUENE	SW8260	10	U	UG/L	10
MW223	MW22	TOLUENE-D8	SW8260	100		UG/L	0
MW223	MW22	Total Organic Carbon (Soil/Water)	E415.2	4.5	=	MG/L	1
MW223	MW22	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW223	MW22	TRICHLOROETHYLENE	SW8260	4	J	UG/L	10
MW223	MW22	VANADIUM	SW6010	16.4	=	UG/L	0.33
MW223	MW22	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW223	MW22	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW223	MW22	ZINC	SW6010	32.7	J	UG/L	0.57
MW233	MW23	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW233	MW23	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW233	MW23	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW233	MW23	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW233	MW23	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW233	MW23	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW233	MW23	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW233	MW23	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW233	MW23	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW233	MW23	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW233	MW23	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW233	MW23	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW233	MW23	1-BROMO-4-FLUOROBENZENE (4-	SW8260	107		UG/L	0
MW233	MW23	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW233	MW23	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW233	MW23	2,4,6-Tribromophenol - SS	SW8270	19		UG/L	0
MW233	MW23	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW233	MW23	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW233	MW23	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW233	MW23	2,4-DINITROPHENOL	SW8270	25	U	UG/L	25
MW233	MW23	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW233	MW23	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW233	MW23	2-BUTANONE	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW233	MW23	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW233	MW23	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW233	MW23	2-Fluorobiphenyl - SS	SW8270	56		UG/L	0
MW233	MW23	2-Fluorophenol - SS	SW8270	36		UG/L	0
MW233	MW23	2-HEXANONE	SW8260	10	U	UG/L	10
MW233	MW23	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW233	MW23	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW233	MW23	2-NITROANILINE	SW8270	25	U	UG/L	25
MW233	MW23	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW233	MW23	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW233	MW23	3-NITROANILINE	SW8270	25	U	UG/L	25
MW233	MW23	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	U	UG/L	25
MW233	MW23	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW233	MW23	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW233	MW23	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW233	MW23	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW233	MW23	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW233	MW23	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW233	MW23	4-NITROANILINE	SW8270	25	U	UG/L	25
MW233	MW23	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW233	MW23	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW233	MW23	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW233	MW23	ACETONE	SW8260	10	U	UG/L	10
MW233	MW23	ALUMINUM	SW6010	471	J	UG/L	6.8
MW233	MW23	Ammonia-Nitrogen	E350.2	0.2	U	MG/L	0.2
MW233	MW23	ANTHRACENE	SW8270	10	U	UG/L	10
MW233	MW23	ANTIMONY	SW6010	2	U	UG/L	2
MW233	MW23	ARSENIC	SW6010	2	U	UG/L	2
MW233	MW23	BARIUM	SW6010	30.9	J	UG/L	0.11
MW233	MW23	BENZENE	SW8260	10	U	UG/L	10
MW233	MW23	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW233	MW23	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW233	MW23	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW233	MW23	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW233	MW23	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW233	MW23	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW233	MW23	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW233	MW23	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW233	MW23	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW233	MW23	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW233	MW23	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW233	MW23	BROMOFORM	SW8260	10	U	UG/L	10
MW233	MW23	BROMOMETHANE	SW8260	10	U	UG/L	10
MW233	MW23	CADMIUM	SW6010	1.2	J	UG/L	0.1
MW233	MW23	CALCIUM	SW6010	116000	=	UG/L	5.9
MW233	MW23	CARBAZOLE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW233	MW23	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW233	MW23	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW233	MW23	Chloride	E325.1	14.5	=	MG/L	1
MW233	MW23	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW233	MW23	CHLOROETHANE	SW8260	10	U	UG/L	10
MW233	MW23	CHLOROFORM	SW8260	10	U	UG/L	10
MW233	MW23	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW233	MW23	CHROMIUM, TOTAL	SW6010	2.4	U	UG/L	0.39
MW233	MW23	CHRYSENE	SW8270	1	J	UG/L	10
MW233	MW23	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW233	MW23	COBALT	SW6010	0.54	U	UG/L	0.33
MW233	MW23	COPPER	SW6010	2	U	UG/L	0.67
MW233	MW23	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW233	MW23	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW233	MW23	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW233	MW23	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW233	MW23	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW233	MW23	DIBROMOFLUOROMETHANE	SW8260	93		UG/L	0
MW233	MW23	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW233	MW23	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW233	MW23	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW233	MW23	FLUORANTHENE	SW8270	10	U	UG/L	10
MW233	MW23	FLUORENE	SW8270	10	U	UG/L	10
MW233	MW23	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW233	MW23	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW233	MW23	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW233	MW23	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW233	MW23	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW233	MW23	IRON	SW6010	757	=	UG/L	1.7
MW233	MW23	ISOPHORONE	SW8270	10	U	UG/L	10
MW233	MW23	LEAD	SW6010	1.3	J	UG/L	0.99
MW233	MW23	MAGNESIUM	SW6010	18700	=	UG/L	2.4
MW233	MW23	MANGANESE	SW6010	18.4	=	UG/L	0.08
MW233	MW23	MERCURY	SW7470	0.08	U	UG/L	0.08
MW233	MW23	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW233	MW23	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW233	MW23	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW233	MW23	NAPHTHALENE	SW8270	10	U	UG/L	10
MW233	MW23	NICKEL	SW6010	2.7	U	UG/L	0.27
MW233	MW23	Nitrate/Nitrite-N, Automated	E353.2	4.87	=	MG/L	0.25
MW233	MW23	NITROBENZENE	SW8270	10	U	UG/L	10
MW233	MW23	Nitrobenzene-d5 - SS	SW8270	58		UG/L	0
MW233	MW23	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW233	MW23	PHENANTHRENE	SW8270	10	U	UG/L	10
MW233	MW23	PHENOL	SW8270	10	U	UG/L	10
MW233	MW23	Phenol-d5 - SS	SW8270	34		UG/L	0

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1.1.1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW233	MW23	POTASSIUM	SW6010	4300	J	UG/L	715.6
MW233	MW23	PYRENE	SW8270	10	U	UG/L	10
MW233	MW23	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW233	MW23	SILVER	SW6010	0.39	U	UG/L	0.39
MW233	MW23	SODIUM	SW6010	10500	J	UG/L	103.7
MW233	MW23	STYRENE	SW8260	10	U	UG/L	10
MW233	MW23	Sulfate	E375.4	148	=	MG/L	8
MW233	MW23	Terphenyl-d14 - SS	SW8270	60		UG/L	0
MW233	MW23	TETRACHLOROETHYLENE	SW8260	10	U	UG/L	10
MW233	MW23	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW233	MW23	TOLUENE	SW8260	10	U	UG/L	10
MW233	MW23	TOLUENE-D8	SW8260	98		UG/L	0
MW233	MW23	Total Organic Carbon (Soil/Water)	E415.2	2.6	=	MG/L	1
MW233	MW23	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW233	MW23	TRICHLOROETHYLENE	SW8260	10	U	UG/L	10
MW233	MW23	VANADIUM	SW6010	1.8	J	UG/L	0.33
MW233	MW23	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW233	MW23	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW233	MW23	ZINC	SW6010	12.1	UJ	UG/L	0.57
MW243	MW24	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW243	MW24	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW243	MW24	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW243	MW24	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW243	MW24	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW243	MW24	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW243	MW24	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW243	MW24	1,2-DICHLOROETHANE	SW8260	10	UJ	UG/L	10
MW243	MW24	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW243	MW24	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW243	MW24	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW243	MW24	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW243	MW24	1-BROMO-4-FLUOROBENZENE (4-	SW8260	101		UG/L	0
MW243	MW24	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW243	MW24	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW243	MW24	2,4,6-Tribromophenol - SS	SW8270	75		UG/L	0
MW243	MW24	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW243	MW24	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW243	MW24	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW243	MW24	2,4-DINITROPHENOL	SW8270	25	UJ	UG/L	25
MW243	MW24	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW243	MW24	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW243	MW24	2-BUTANONE	SW8260	10	U	UG/L	10
MW243	MW24	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW243	MW24	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW243	MW24	2-Fluorobiphenyl - SS	SW8270	78		UG/L	0
MW243	MW24	2-Fluorophenol - SS	SW8270	65		UG/L	0

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW243	MW24	2-HEXANONE	SW8260	10	U	UG/L	10
MW243	MW24	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW243	MW24	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW243	MW24	2-NITROANILINE	SW8270	25	U	UG/L	25
MW243	MW24	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW243	MW24	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW243	MW24	3-NITROANILINE	SW8270	25	U	UG/L	25
MW243	MW24	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	UJ	UG/L	25
MW243	MW24	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW243	MW24	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW243	MW24	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW243	MW24	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW243	MW24	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW243	MW24	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW243	MW24	4-NITROANILINE	SW8270	25	U	UG/L	25
MW243	MW24	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW243	MW24	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW243	MW24	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW243	MW24	ACETONE	SW8260	10	U	UG/L	10
MW243	MW24	ALUMINUM	SW6010	9190	J	UG/L	6.8
MW243	MW24	ANTHRACENE	SW8270	10	U	UG/L	10
MW243	MW24	ANTIMONY	SW6010	5.3	U	UG/L	2
MW243	MW24	ARSENIC	SW6010	3.9	U	UG/L	2.1
MW243	MW24	BARIUM	SW6010	86.2	=	UG/L	0.11
MW243	MW24	BENZENE	SW8260	10	U	UG/L	10
MW243	MW24	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW243	MW24	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW243	MW24	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW243	MW24	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW243	MW24	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW243	MW24	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW243	MW24	BERYLLIUM	SW6010	1.7	J	UG/L	0.09
MW243	MW24	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW243	MW24	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	UJ	UG/L	10
MW243	MW24	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW243	MW24	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW243	MW24	BROMOFORM	SW8260	10	U	UG/L	10
MW243	MW24	BROMOMETHANE	SW8260	10	U	UG/L	10
MW243	MW24	CADMIUM	SW6010	3.3	J	UG/L	0.1
MW243	MW24	CALCIUM	SW6010	13800	=	UG/L	5.9
MW243	MW24	CARBAZOLE	SW8270	10	U	UG/L	10
MW243	MW24	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW243	MW24	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW243	MW24	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW243	MW24	CHLOROETHANE	SW8260	10	U	UG/L	10
MW243	MW24	CHLOROFORM	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW243	MW24	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW243	MW24	CHROMIUM, TOTAL	SW6010	11.4	=	UG/L	0.39
MW243	MW24	CHRYSENE	SW8270	10	U	UG/L	10
MW243	MW24	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW243	MW24	COBALT	SW6010	13.6	=	UG/L	0.33
MW243	MW24	COPPER	SW6010	8.8	J	UG/L	0.67
MW243	MW24	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW243	MW24	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW243	MW24	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW243	MW24	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW243	MW24	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW243	MW24	DIBROMOFLUOROMETHANE	SW8260	88		UG/L	0
MW243	MW24	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW243	MW24	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW243	MW24	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW243	MW24	FLUORANTHENE	SW8270	10	U	UG/L	10
MW243	MW24	FLUORENE	SW8270	10	U	UG/L	10
MW243	MW24	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW243	MW24	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW243	MW24	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW243	MW24	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW243	MW24	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW243	MW24	IRON	SW6010	52100	=	UG/L	1.7
MW243	MW24	ISOPHORONE	SW8270	10	U	UG/L	10
MW243	MW24	LEAD	SW6010	10.5	=	UG/L	0.99
MW243	MW24	MAGNESIUM	SW6010	6130	=	UG/L	2.4
MW243	MW24	MANGANESE	SW6010	127	=	UG/L	0.08
MW243	MW24	MERCURY	SW7470	0.08	U	UG/L	0.08
MW243	MW24	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW243	MW24	N-NITROSODI-n-PROPYLAMINE	SW8270	10	UJ	UG/L	10
MW243	MW24	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW243	MW24	NAPHTHALENE	SW8270	10	U	UG/L	10
MW243	MW24	NICKEL	SW6010	5.1	J	UG/L	0.27
MW243	MW24	NITROBENZENE	SW8270	10	U	UG/L	10
MW243	MW24	Nitrobenzene-d5 - SS	SW8270	85		UG/L	0
MW243	MW24	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW243	MW24	PHENANTHRENE	SW8270	10	U	UG/L	10
MW243	MW24	PHENOL	SW8270	10	U	UG/L	10
MW243	MW24	Phenol-d5 - SS	SW8270	72		UG/L	0
MW243	MW24	POTASSIUM	SW6010	2310	=	UG/L	839.3
MW243	MW24	PYRENE	SW8270	10	UJ	UG/L	10
MW243	MW24	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW243	MW24	SILVER	SW6010	0.39	U	UG/L	0.39
MW243	MW24	SODIUM	SW6010	21400	J	UG/L	103.7
MW243	MW24	STYRENE	SW8260	10	U	UG/L	10
MW243	MW24	Terphenyl-d14 - SS	SW8270	83		UG/L	0

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW243	MW24	TETRACHLOROETHYLENE	SW8260	10	U	UG/L	10
MW243	MW24	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW243	MW24	TOLUENE	SW8260	10	U	UG/L	10
MW243	MW24	TOLUENE-D8	SW8260	98		UG/L	0
MW243	MW24	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW243	MW24	TRICHLOROETHYLENE	SW8260	10	U	UG/L	10
MW243	MW24	VANADIUM	SW6010	23.2	*	UG/L	0.33
MW243	MW24	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW243	MW24	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW243	MW24	ZINC	SW6010	33.1	J	UG/L	0.57
MW253	MW25	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW253	MW25	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW253	MW25	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW253	MW25	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW253	MW25	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW253	MW25	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW253	MW25	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW253	MW25	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW253	MW25	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW253	MW25	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW253	MW25	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW253	MW25	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW253	MW25	1-BROMO-4-FLUOROBENZENE (4-	SW8260	106		UG/L	0
MW253	MW25	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW253	MW25	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW253	MW25	2,4,6-Tribromophenol - SS	SW8270	56		UG/L	0
MW253	MW25	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW253	MW25	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW253	MW25	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW253	MW25	2,4-DINITROPHENOL	SW8270	25	UJ	UG/L	25
MW253	MW25	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW253	MW25	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW253	MW25	2-BUTANONE	SW8260	10	U	UG/L	10
MW253	MW25	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW253	MW25	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW253	MW25	2-Fluorobiphenyl - SS	SW8270	69		UG/L	0
MW253	MW25	2-Fluorophenol - SS	SW8270	44		UG/L	0
MW253	MW25	2-HEXANONE	SW8260	10	U	UG/L	10
MW253	MW25	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW253	MW25	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW253	MW25	2-NITROANILINE	SW8270	25	U	UG/L	25
MW253	MW25	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW253	MW25	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW253	MW25	3-NITROANILINE	SW8270	25	U	UG/L	25
MW253	MW25	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	UJ	UG/L	25
MW253	MW25	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10

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3rd Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW253	MW25	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW253	MW25	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW253	MW25	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW253	MW25	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW253	MW25	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW253	MW25	4-NITROANILINE	SW8270	25	U	UG/L	25
MW253	MW25	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW253	MW25	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW253	MW25	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW253	MW25	ACETONE	SW8260	10	U	UG/L	10
MW253	MW25	ALUMINUM	SW6010	7230	J	UG/L	6.8
MW253	MW25	ANTHRACENE	SW8270	10	U	UG/L	10
MW253	MW25	ANTIMONY	SW6010	7.7	U	UG/L	2
MW253	MW25	ARSENIC	SW6010	2	U	UG/L	2
MW253	MW25	BARIUM	SW6010	167	=	UG/L	0.11
MW253	MW25	BENZENE	SW8260	10	U	UG/L	10
MW253	MW25	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW253	MW25	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW253	MW25	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW253	MW25	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW253	MW25	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW253	MW25	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW253	MW25	BERYLLIUM	SW6010	0.21	J	UG/L	0.09
MW253	MW25	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW253	MW25	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW253	MW25	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW253	MW25	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW253	MW25	BROMOFORM	SW8260	10	U	UG/L	10
MW253	MW25	BROMOMETHANE	SW8260	10	U	UG/L	10
MW253	MW25	CADMIUM	SW6010	2.4	J	UG/L	0.1
MW253	MW25	CALCIUM	SW6010	17700	=	UG/L	5.9
MW253	MW25	CARBAZOLE	SW8270	10	U	UG/L	10
MW253	MW25	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW253	MW25	CARBON TETRACHLORIDE	SW8260	1	J	UG/L	10
MW253	MW25	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW253	MW25	CHLOROETHANE	SW8260	10	U	UG/L	10
MW253	MW25	CHLOROFORM	SW8260	10	U	UG/L	10
MW253	MW25	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW253	MW25	CHROMIUM, TOTAL	SW6010	13.5	=	UG/L	0.39
MW253	MW25	CHRYSENE	SW8270	10	U	UG/L	10
MW253	MW25	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW253	MW25	COBALT	SW6010	15.9	=	UG/L	0.33
MW253	MW25	COPPER	SW6010	27	=	UG/L	0.67
MW253	MW25	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW253	MW25	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW253	MW25	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW253	MW25	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW253	MW25	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW253	MW25	DIBROMOFLUOROMETHANE	SW8260	90		UG/L	0
MW253	MW25	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW253	MW25	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW253	MW25	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW253	MW25	FLUORANTHENE	SW8270	10	U	UG/L	10
MW253	MW25	FLUORENE	SW8270	10	U	UG/L	10
MW253	MW25	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW253	MW25	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW253	MW25	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW253	MW25	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW253	MW25	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW253	MW25	IRON	SW6010	25800	=	UG/L	1.7
MW253	MW25	ISOPHORONE	SW8270	10	U	UG/L	10
MW253	MW25	LEAD	SW6010	10.4	=	UG/L	0.99
MW253	MW25	MAGNESIUM	SW6010	9200	=	UG/L	2.4
MW253	MW25	MANGANESE	SW6010	895	=	UG/L	0.08
MW253	MW25	MERCURY	SW7470	0.1	U	UG/L	0.08
MW253	MW25	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW253	MW25	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW253	MW25	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW253	MW25	NAPHTHALENE	SW8270	10	U	UG/L	10
MW253	MW25	NICKEL	SW6010	6.8	J	UG/L	0.27
MW253	MW25	NITROBENZENE	SW8270	10	U	UG/L	10
MW253	MW25	Nitrobenzene-d5 - SS	SW8270	75		UG/L	0
MW253	MW25	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW253	MW25	PHENANTHRENE	SW8270	10	U	UG/L	10
MW253	MW25	PHENOL	SW8270	10	U	UG/L	10
MW253	MW25	Phenol-d5 - SS	SW8270	62		UG/L	0
MW253	MW25	POTASSIUM	SW6010	3210	=	UG/L	715.6
MW253	MW25	PYRENE	SW8270	10	UJ	UG/L	10
MW253	MW25	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW253	MW25	SILVER	SW6010	0.39	U	UG/L	0.39
MW253	MW25	SODIUM	SW6010	17000	J	UG/L	103.7
MW253	MW25	STYRENE	SW8260	10	U	UG/L	10
MW253	MW25	Terphenyl-d14 - SS	SW8270	52		UG/L	0
MW253	MW25	TETRACHLOROETHYLENE	SW8260	11	=	UG/L	10
MW253	MW25	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW253	MW25	TOLUENE	SW8260	10	U	UG/L	10
MW253	MW25	TOLUENE-D8	SW8260	97		UG/L	0
MW253	MW25	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW253	MW25	TRICHLOROETHYLENE	SW8260	10	U	UG/L	10
MW253	MW25	VANADIUM	SW6010	37.2	=	UG/L	0.33
MW253	MW25	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW253	MW25	XYLENE (TOTAL)	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW253	MW25	ZINC	SW6010	23.6	J	UG/L	0.57
MW263	MW26	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW263	MW26	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW263	MW26	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW263	MW26	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW263	MW26	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW263	MW26	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW263	MW26	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW263	MW26	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW263	MW26	1-BROMO-4-FLUOROBENZENE (4-	SW8260	106		UG/L	0
MW263	MW26	2-BUTANONE	SW8260	10	U	UG/L	10
MW263	MW26	2-HEXANONE	SW8260	10	U	UG/L	10
MW263	MW26	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW263	MW26	ACETONE	SW8260	10	U	UG/L	10
MW263	MW26	ALUMINUM	SW6010	3390	J	UG/L	6.8
MW263	MW26	ANTIMONY	SW6010	2.2	U	UG/L	2
MW263	MW26	ARSENIC	SW6010	2	U	UG/L	2
MW263	MW26	BARIUM	SW6010	215	=	UG/L	0.11
MW263	MW26	BENZENE	SW8260	10	U	UG/L	10
MW263	MW26	BERYLLIUM	SW6010	0.28	J	UG/L	0.09
MW263	MW26	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW263	MW26	BROMOFORM	SW8260	10	U	UG/L	10
MW263	MW26	BROMOMETHANE	SW8260	10	U	UG/L	10
MW263	MW26	CADMIUM	SW6010	0.94	J	UG/L	0.1
MW263	MW26	CALCIUM	SW6010	21700	=	UG/L	5.9
MW263	MW26	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW263	MW26	CARBON TETRACHLORIDE	SW8260	4	J	UG/L	10
MW263	MW26	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW263	MW26	CHLOROETHANE	SW8260	10	U	UG/L	10
MW263	MW26	CHLOROFORM	SW8260	10	U	UG/L	10
MW263	MW26	CHLOROMETHANE	SW8260	1	J	UG/L	10
MW263	MW26	CHROMIUM, TOTAL	SW6010	6.2	J	UG/L	0.39
MW263	MW26	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW263	MW26	COBALT	SW6010	4.4	J	UG/L	0.33
MW263	MW26	COPPER	SW6010	4.6	U	UG/L	0.67
MW263	MW26	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW263	MW26	DIBROMOFLUOROMETHANE	SW8260	87		UG/L	0
MW263	MW26	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW263	MW26	IRON	SW6010	14800	=	UG/L	1.7
MW263	MW26	LEAD	SW6010	4.2	=	UG/L	0.99
MW263	MW26	MAGNESIUM	SW6010	10800	=	UG/L	2.4
MW263	MW26	MANGANESE	SW6010	176	=	UG/L	0.08
MW263	MW26	MERCURY	SW7470	0.2	=	UG/L	0.08
MW263	MW26	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW263	MW26	NICKEL	SW6010	3.5	U	UG/L	0.27
MW263	MW26	POTASSIUM	SW6010	3180	J	UG/L	715.6

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW263	MW26	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW263	MW26	SILVER	SW6010	0.39	U	UG/L	0.39
MW263	MW26	SODIUM	SW6010	31500	J	UG/L	103.7
MW263	MW26	STYRENE	SW8260	10	U	UG/L	10
MW263	MW26	TETRACHLOROETHYLENE	SW8260	11	=	UG/L	10
MW263	MW26	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW263	MW26	TOLUENE	SW8260	10	U	UG/L	10
MW263	MW26	TOLUENE-D8	SW8260	97		UG/L	0
MW263	MW26	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW263	MW26	TRICHLOROETHYLENE	SW8260	2	J	UG/L	10
MW263	MW26	VANADIUM	SW6010	23.9	J	UG/L	0.33
MW263	MW26	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW263	MW26	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW263	MW26	ZINC	SW6010	8.5	UJ	UG/L	0.57
MW283	MW28	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW283	MW28	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW283	MW28	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW283	MW28	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW283	MW28	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW283	MW28	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW283	MW28	2,4,6-Tribromophenol - SS	SW8270	70		UG/L	0
MW283	MW28	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW283	MW28	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW283	MW28	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW283	MW28	2,4-DINITROPHENOL	SW8270	25	UJ	UG/L	25
MW283	MW28	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW283	MW28	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW283	MW28	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW283	MW28	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW283	MW28	2-Fluorobiphenyl - SS	SW8270	76		UG/L	0
MW283	MW28	2-Fluorophenol - SS	SW8270	64		UG/L	0
MW283	MW28	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW283	MW28	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW283	MW28	2-NITROANILINE	SW8270	25	U	UG/L	25
MW283	MW28	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW283	MW28	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW283	MW28	3-NITROANILINE	SW8270	25	U	UG/L	25
MW283	MW28	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	UJ	UG/L	25
MW283	MW28	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW283	MW28	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW283	MW28	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW283	MW28	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW283	MW28	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW283	MW28	4-NITROANILINE	SW8270	25	U	UG/L	25
MW283	MW28	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW283	MW28	ACENAPHTHENE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW283	MW28	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW283	MW28	ANTHRACENE	SW8270	10	U	UG/L	10
MW283	MW28	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW283	MW28	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW283	MW28	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW283	MW28	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW283	MW28	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW283	MW28	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW283	MW28	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW283	MW28	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW283	MW28	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW283	MW28	CARBAZOLE	SW8270	10	U	UG/L	10
MW283	MW28	CHRYSENE	SW8270	10	U	UG/L	10
MW283	MW28	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW283	MW28	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW283	MW28	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW283	MW28	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW283	MW28	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW283	MW28	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW283	MW28	FLUORANTHENE	SW8270	10	U	UG/L	10
MW283	MW28	FLUORENE	SW8270	10	U	UG/L	10
MW283	MW28	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW283	MW28	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW283	MW28	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW283	MW28	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW283	MW28	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW283	MW28	ISOPHORONE	SW8270	10	U	UG/L	10
MW283	MW28	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW283	MW28	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW283	MW28	NAPHTHALENE	SW8270	10	U	UG/L	10
MW283	MW28	NITROBENZENE	SW8270	10	U	UG/L	10
MW283	MW28	Nitrobenzene-d5 - SS	SW8270	84		UG/L	0
MW283	MW28	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW283	MW28	PHENANTHRENE	SW8270	10	U	UG/L	10
MW283	MW28	PHENOL	SW8270	10	U	UG/L	10
MW283	MW28	Phenol-d5 - SS	SW8270	78		UG/L	0
MW283	MW28	PYRENE	SW8270	10	UJ	UG/L	10
MW283	MW28	Terphenyl-d14 - SS	SW8270	92		UG/L	0
MW283ADD	MW28	ALUMINUM	SW6010	5210	J	UG/L	6.8
MW283ADD	MW28	ANTIMONY	SW6010	2	U	UG/L	2
MW283ADD	MW28	ARSENIC	SW6010	2	U	UG/L	2
MW283ADD	MW28	BARIUM	SW6010	91.1	=	UG/L	0.11
MW283ADD	MW28	BERYLLIUM	SW6010	0.26	U	UG/L	0.09
MW283ADD	MW28	CADMIUM	SW6010	1.2	J	UG/L	0.1
MW283ADD	MW28	CALCIUM	SW6010	14600	=	UG/L	5.9
MW283ADD	MW28	CHROMIUM, TOTAL	SW6010	10.2	=	UG/L	0.39

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW283ADD	MW28	COBALT	SW6010	18.3	=	UG/L	0.33
MW283ADD	MW28	COPPER	SW6010	3.6	U	UG/L	0.67
MW283ADD	MW28	IRON	SW6010	11800	=	UG/L	1.7
MW283ADD	MW28	LEAD	SW6010	3.1	=	UG/L	0.99
MW283ADD	MW28	MAGNESIUM	SW6010	7600	=	UG/L	2.4
MW283ADD	MW28	MANGANESE	SW6010	259	=	UG/L	0.08
MW283ADD	MW28	MERCURY	SW7470	0.11	U	UG/L	0.08
MW283ADD	MW28	NICKEL	SW6010	5.4	J	UG/L	0.27
MW283ADD	MW28	POTASSIUM	SW6010	839	U	UG/L	839
MW283ADD	MW28	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW283ADD	MW28	SILVER	SW6010	0.39	U	UG/L	0.39
MW283ADD	MW28	SODIUM	SW6010	16100	J	UG/L	103.7
MW283ADD	MW28	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW283ADD	MW28	VANADIUM	SW6010	16.4	=	UG/L	0.33
MW283ADD	MW28	ZINC	SW6010	18.9	UJ	UG/L	0.57
MW293	MW29	1,1,1-TRICHLOROETHANE	SW8260	7	J	UG/L	10
MW293	MW29	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW293	MW29	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW293	MW29	1,1-DICHLOROETHANE	SW8260	2	J	UG/L	10
MW293	MW29	1,1-DICHLOROETHENE	SW8260	29	=	UG/L	10
MW293	MW29	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW293	MW29	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW293	MW29	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW293	MW29	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW293	MW29	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW293	MW29	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW293	MW29	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW293	MW29	1-BROMO-4-FLUOROBENZENE (4-	SW8260	108		UG/L	0
MW293	MW29	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW293	MW29	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW293	MW29	2,4,6-Tribromophenol - SS	SW8270	74		UG/L	0
MW293	MW29	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW293	MW29	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW293	MW29	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW293	MW29	2,4-DINITROPHENOL	SW8270	25	U	UG/L	25
MW293	MW29	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW293	MW29	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW293	MW29	2-BUTANONE	SW8260	10	U	UG/L	10
MW293	MW29	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW293	MW29	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW293	MW29	2-Fluorobiphenyl - SS	SW8270	72		UG/L	0
MW293	MW29	2-Fluorophenol - SS	SW8270	77		UG/L	0
MW293	MW29	2-HEXANONE	SW8260	10	U	UG/L	10
MW293	MW29	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW293	MW29	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW293	MW29	2-NITROANILINE	SW8270	25	U	UG/L	25

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW293	MW29	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW293	MW29	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW293	MW29	3-NITROANILINE	SW8270	25	U	UG/L	25
MW293	MW29	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	U	UG/L	25
MW293	MW29	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW293	MW29	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW293	MW29	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW293	MW29	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW293	MW29	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW293	MW29	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW293	MW29	4-NITROANILINE	SW8270	25	U	UG/L	25
MW293	MW29	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW293	MW29	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW293	MW29	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW293	MW29	ACETONE	SW8260	10	U	UG/L	10
MW293	MW29	ALUMINUM	SW6010	2110	J	UG/L	6.8
MW293	MW29	ANTHRACENE	SW8270	10	U	UG/L	10
MW293	MW29	ANTIMONY	SW6010	2	U	UG/L	2
MW293	MW29	ARSENIC	SW6010	2	U	UG/L	2
MW293	MW29	BARIUM	SW6010	109	J	UG/L	0.11
MW293	MW29	BENZENE	SW8260	10	U	UG/L	10
MW293	MW29	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW293	MW29	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW293	MW29	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW293	MW29	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW293	MW29	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW293	MW29	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW293	MW29	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW293	MW29	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW293	MW29	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW293	MW29	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW293	MW29	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW293	MW29	BROMOFORM	SW8260	10	U	UG/L	10
MW293	MW29	BROMOMETHANE	SW8260	10	U	UG/L	10
MW293	MW29	CADMIUM	SW6010	0.49	J	UG/L	0.1
MW293	MW29	CALCIUM	SW6010	26000	=	UG/L	5.9
MW293	MW29	CARBAZOLE	SW8270	10	U	UG/L	10
MW293	MW29	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW293	MW29	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW293	MW29	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW293	MW29	CHLOROETHANE	SW8260	10	U	UG/L	10
MW293	MW29	CHLOROFORM	SW8260	10	U	UG/L	10
MW293	MW29	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW293	MW29	CHROMIUM, TOTAL	SW6010	5.9	J	UG/L	0.39
MW293	MW29	CHRYSENE	SW8270	10	U	UG/L	10
MW293	MW29	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW293	MW29	COBALT	SW6010	1.1	U	UG/L	0.33
MW293	MW29	COPPER	SW6010	0.67	U	UG/L	0.67
MW293	MW29	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW293	MW29	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW293	MW29	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW293	MW29	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW293	MW29	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW293	MW29	DIBROMOFLUOROMETHANE	SW8260	96		UG/L	0
MW293	MW29	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW293	MW29	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW293	MW29	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW293	MW29	FLUORANTHENE	SW8270	10	U	UG/L	10
MW293	MW29	FLUORENE	SW8270	10	U	UG/L	10
MW293	MW29	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW293	MW29	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW293	MW29	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW293	MW29	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW293	MW29	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW293	MW29	IRON	SW6010	6820	=	UG/L	1.7
MW293	MW29	ISOPHORONE	SW8270	10	U	UG/L	10
MW293	MW29	LEAD	SW6010	1.2	J	UG/L	0.99
MW293	MW29	MAGNESIUM	SW6010	12500	=	UG/L	2.4
MW293	MW29	MANGANESE	SW6010	22.7	=	UG/L	0.08
MW293	MW29	MERCURY	SW7470	0.08	U	UG/L	0.08
MW293	MW29	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW293	MW29	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW293	MW29	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW293	MW29	NAPHTHALENE	SW8270	10	U	UG/L	10
MW293	MW29	NICKEL	SW6010	3.2	U	UG/L	0.27
MW293	MW29	NITROBENZENE	SW8270	10	U	UG/L	10
MW293	MW29	Nitrobenzene-d5 - SS	SW8270	72		UG/L	0
MW293	MW29	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW293	MW29	PHENANTHRENE	SW8270	10	U	UG/L	10
MW293	MW29	PHENOL	SW8270	10	U	UG/L	10
MW293	MW29	Phenol-d5 - SS	SW8270	78		UG/L	0
MW293	MW29	POTASSIUM	SW6010	2370	J	UG/L	715.6
MW293	MW29	PYRENE	SW8270	10	U	UG/L	10
MW293	MW29	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW293	MW29	SILVER	SW6010	0.39	U	UG/L	0.39
MW293	MW29	SODIUM	SW6010	28200	J	UG/L	103.7
MW293	MW29	STYRENE	SW8260	10	U	UG/L	10
MW293	MW29	Terphenyl-d14 - SS	SW8270	81		UG/L	0
MW293	MW29	TETRACHLOROETHYLENE	SW8260	29	=	UG/L	10
MW293	MW29	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW293	MW29	TOLUENE	SW8260	10	U	UG/L	10
MW293	MW29	TOLUENE-D8	SW8260	98		UG/L	0

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW293	MW29	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW293	MW29	TRICHLOROETHYLENE	SW8260	18	=	UG/L	10
MW293	MW29	VANADIUM	SW6010	7.7	J	UG/L	0.33
MW293	MW29	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW293	MW29	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW293	MW29	ZINC	SW6010	4.2	UJ	UG/L	0.57
MW303	MW30	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW303	MW30	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW303	MW30	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW303	MW30	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW303	MW30	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW303	MW30	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW303	MW30	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW303	MW30	1,2-DICHLOROETHANE	SW8260	10	UJ	UG/L	10
MW303	MW30	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW303	MW30	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW303	MW30	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW303	MW30	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW303	MW30	1-BROMO-4-FLUOROBENZENE (4-	SW8260	104		UG/L	0
MW303	MW30	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW303	MW30	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW303	MW30	2,4,6-Tribromophenol - SS	SW8270	79		UG/L	0
MW303	MW30	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW303	MW30	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW303	MW30	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW303	MW30	2,4-DINITROPHENOL	SW8270	25	UJ	UG/L	25
MW303	MW30	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW303	MW30	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW303	MW30	2-BUTANONE	SW8260	10	U	UG/L	10
MW303	MW30	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW303	MW30	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW303	MW30	2-Fluorobiphenyl - SS	SW8270	81		UG/L	0
MW303	MW30	2-Fluorophenol - SS	SW8270	73		UG/L	0
MW303	MW30	2-HEXANONE	SW8260	10	U	UG/L	10
MW303	MW30	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW303	MW30	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW303	MW30	2-NITROANILINE	SW8270	25	U	UG/L	25
MW303	MW30	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW303	MW30	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW303	MW30	3-NITROANILINE	SW8270	25	U	UG/L	25
MW303	MW30	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	UJ	UG/L	25
MW303	MW30	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW303	MW30	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW303	MW30	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW303	MW30	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW303	MW30	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW303	MW30	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW303	MW30	4-NITROANILINE	SW8270	25	U	UG/L	25
MW303	MW30	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW303	MW30	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW303	MW30	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW303	MW30	ACETONE	SW8260	10	U	UG/L	10
MW303	MW30	ALUMINUM	SW6010	314	J	UG/L	6.8
MW303	MW30	Ammonia-Nitrogen	E350.2	0.2	U	MG/L	0.2
MW303	MW30	ANTHRACENE	SW8270	10	U	UG/L	10
MW303	MW30	ANTIMONY	SW6010	2	U	UG/L	2
MW303	MW30	ARSENIC	SW6010	2	U	UG/L	2
MW303	MW30	BARIUM	SW6010	133	=	UG/L	0.11
MW303	MW30	BENZENE	SW8260	10	U	UG/L	10
MW303	MW30	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW303	MW30	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW303	MW30	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW303	MW30	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW303	MW30	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW303	MW30	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW303	MW30	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW303	MW30	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW303	MW30	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW303	MW30	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW303	MW30	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW303	MW30	BROMOFORM	SW8260	10	U	UG/L	10
MW303	MW30	BROMOMETHANE	SW8260	10	U	UG/L	10
MW303	MW30	CADMIUM	SW6010	0.1	U	UG/L	0.1
MW303	MW30	CALCIUM	SW6010	25200	=	UG/L	5.9
MW303	MW30	CARBAZOLE	SW8270	10	U	UG/L	10
MW303	MW30	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW303	MW30	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW303	MW30	Chloride	E325.1	30.5	=	MG/L	2
MW303	MW30	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW303	MW30	CHLOROETHANE	SW8260	10	U	UG/L	10
MW303	MW30	CHLOROFORM	SW8260	10	U	UG/L	10
MW303	MW30	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW303	MW30	CHROMIUM, TOTAL	SW6010	2.8	U	UG/L	0.39
MW303	MW30	CHRYSENE	SW8270	10	U	UG/L	10
MW303	MW30	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW303	MW30	COBALT	SW6010	0.33	U	UG/L	0.33
MW303	MW30	COPPER	SW6010	0.67	U	UG/L	0.67
MW303	MW30	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW303	MW30	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW303	MW30	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW303	MW30	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW303	MW30	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW303	MW30	DIBROMOFLUOROMETHANE	SW8260	91		UG/L	0
MW303	MW30	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW303	MW30	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW303	MW30	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW303	MW30	FLUORANTHENE	SW8270	10	U	UG/L	10
MW303	MW30	FLUORENE	SW8270	10	U	UG/L	10
MW303	MW30	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW303	MW30	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW303	MW30	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW303	MW30	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW303	MW30	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW303	MW30	IRON	SW6010	1150	=	UG/L	1.7
MW303	MW30	ISOPHORONE	SW8270	10	U	UG/L	10
MW303	MW30	LEAD	SW6010	0.99	U	UG/L	0.99
MW303	MW30	MAGNESIUM	SW6010	12700	=	UG/L	2.4
MW303	MW30	MANGANESE	SW6010	4	U	UG/L	0.08
MW303	MW30	MERCURY	SW7470	0.08	U	UG/L	0.08
MW303	MW30	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW303	MW30	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW303	MW30	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW303	MW30	NAPHTHALENE	SW8270	10	U	UG/L	10
MW303	MW30	NICKEL	SW6010	1.5	U	UG/L	0.27
MW303	MW30	Nitrate/Nitrite-N, Automated	E353.2	2.51	=	MG/L	0.1
MW303	MW30	NITROBENZENE	SW8270	10	U	UG/L	10
MW303	MW30	Nitrobenzene-d5 - SS	SW8270	92		UG/L	0
MW303	MW30	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW303	MW30	PHENANTHRENE	SW8270	10	U	UG/L	10
MW303	MW30	PHENOL	SW8270	10	U	UG/L	10
MW303	MW30	Phenol-d5 - SS	SW8270	85		UG/L	0
MW303	MW30	POTASSIUM	SW6010	839	U	UG/L	839
MW303	MW30	PYRENE	SW8270	10	UJ	UG/L	10
MW303	MW30	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW303	MW30	SILVER	SW6010	0.39	U	UG/L	0.39
MW303	MW30	SODIUM	SW6010	19800	=	UG/L	103.7
MW303	MW30	STYRENE	SW8260	10	U	UG/L	10
MW303	MW30	Sulfate	E375.4	28.2	=	MG/L	2
MW303	MW30	Terphenyl-d14 - SS	SW8270	83		UG/L	0
MW303	MW30	TETRACHLOROETHYLENE	SW8260	10	U	UG/L	10
MW303	MW30	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW303	MW30	TOLUENE	SW8260	10	U	UG/L	10
MW303	MW30	TOLUENE-D8	SW8260	100		UG/L	0
MW303	MW30	Total Organic Carbon (Soil/Water)	E415.2	2.7	=	MG/L	1
MW303	MW30	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW303	MW30	TRICHLOROETHYLENE	SW8260	10	U	UG/L	10
MW303	MW30	VANADIUM	SW6010	1.1	J	UG/L	0.33
MW303	MW30	VINYL CHLORIDE	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW303	MW30	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW303	MW30	ZINC	SW6010	8.8	UJ	UG/L	0.57
MW313	MW31	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW313	MW31	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW313	MW31	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW313	MW31	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW313	MW31	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW313	MW31	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW313	MW31	2,4,6-Tribromophenol - SS	SW8270	65		UG/L	0
MW313	MW31	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW313	MW31	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW313	MW31	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW313	MW31	2,4-DINITROPHENOL	SW8270	25	UJ	UG/L	25
MW313	MW31	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW313	MW31	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW313	MW31	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW313	MW31	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW313	MW31	2-Fluorobiphenyl - SS	SW8270	67		UG/L	0
MW313	MW31	2-Fluorophenol - SS	SW8270	62		UG/L	0
MW313	MW31	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW313	MW31	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW313	MW31	2-NITROANILINE	SW8270	25	U	UG/L	25
MW313	MW31	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW313	MW31	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW313	MW31	3-NITROANILINE	SW8270	25	U	UG/L	25
MW313	MW31	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	UJ	UG/L	25
MW313	MW31	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW313	MW31	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW313	MW31	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW313	MW31	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW313	MW31	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW313	MW31	4-NITROANILINE	SW8270	25	U	UG/L	25
MW313	MW31	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW313	MW31	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW313	MW31	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW313	MW31	ALUMINUM	SW6010	130	J	UG/L	6.8
MW313	MW31	ANTHRACENE	SW8270	10	U	UG/L	10
MW313	MW31	ANTIMONY	SW6010	2	U	UG/L	2
MW313	MW31	ARSENIC	SW6010	2	U	UG/L	2
MW313	MW31	BARIUM	SW6010	130	=	UG/L	0.11
MW313	MW31	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW313	MW31	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW313	MW31	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW313	MW31	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW313	MW31	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW313	MW31	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW313	MW31	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW313	MW31	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW313	MW31	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW313	MW31	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW313	MW31	CADMIUM	SW6010	0.1	U	UG/L	0.1
MW313	MW31	CALCIUM	SW6010	24300	=	UG/L	5.9
MW313	MW31	CARBAZOLE	SW8270	10	U	UG/L	10
MW313	MW31	Chloride	E325.1	16	=	MG/L	1
MW313	MW31	CHROMIUM, TOTAL	SW6010	1.6	U	UG/L	0.39
MW313	MW31	CHRYSENE	SW8270	10	U	UG/L	10
MW313	MW31	COBALT	SW6010	0.48	U	UG/L	0.33
MW313	MW31	COPPER	SW6010	0.67	U	UG/L	0.67
MW313	MW31	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW313	MW31	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW313	MW31	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW313	MW31	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW313	MW31	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW313	MW31	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW313	MW31	FLUORANTHENE	SW8270	10	U	UG/L	10
MW313	MW31	FLUORENE	SW8270	10	U	UG/L	10
MW313	MW31	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW313	MW31	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW313	MW31	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW313	MW31	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW313	MW31	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW313	MW31	IRON	SW6010	894	=	UG/L	1.7
MW313	MW31	ISOPHORONE	SW8270	10	U	UG/L	10
MW313	MW31	LEAD	SW6010	0.99	U	UG/L	0.99
MW313	MW31	MAGNESIUM	SW6010	11600	=	UG/L	2.4
MW313	MW31	MANGANESE	SW6010	5.1	J	UG/L	0.08
MW313	MW31	MERCURY	SW7470	0.08	U	UG/L	0.08
MW313	MW31	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW313	MW31	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW313	MW31	NAPHTHALENE	SW8270	10	U	UG/L	10
MW313	MW31	NICKEL	SW6010	0.84	U	UG/L	0.27
MW313	MW31	NITROBENZENE	SW8270	10	U	UG/L	10
MW313	MW31	Nitrobenzene-d5 - SS	SW8270	71		UG/L	0
MW313	MW31	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW313	MW31	PHENANTHRENE	SW8270	10	U	UG/L	10
MW313	MW31	PHENOL	SW8270	10	U	UG/L	10
MW313	MW31	Phenol-d5 - SS	SW8270	67		UG/L	0
MW313	MW31	POTASSIUM	SW6010	839	U	UG/L	839
MW313	MW31	PYRENE	SW8270	10	UJ	UG/L	10
MW313	MW31	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW313	MW31	SILVER	SW6010	0.39	U	UG/L	0.39
MW313	MW31	SODIUM	SW6010	25100	J	UG/L	103.7

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW313	MW31	Sulfate	E375.4	52	=	MG/L	4
MW313	MW31	Terphenyl-d14 - SS	SW8270	68		UG/L	0
MW313	MW31	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW313	MW31	VANADIUM	SW6010	0.65	J	UG/L	0.33
MW313	MW31	ZINC	SW6010	4.4	UJ	UG/L	0.57
MW313ADD	MW31	1,1,1-TRICHLOROETHANE	SW8260	2	J	UG/L	20
MW313ADD	MW31	1,1,2,2-TETRACHLOROETHANE	SW8260	10	J	UG/L	20
MW313ADD	MW31	1,1,2-TRICHLOROETHANE	SW8260	20	U	UG/L	20
MW313ADD	MW31	1,1-DICHLOROETHANE	SW8260	20	U	UG/L	20
MW313ADD	MW31	1,1-DICHLOROETHENE	SW8260	47	=	UG/L	20
MW313ADD	MW31	1,2-DICHLOROETHANE	SW8260	20	UJ	UG/L	20
MW313ADD	MW31	1,2-DICHLOROETHENE (TOTAL)	SW8260	140	=	UG/L	20
MW313ADD	MW31	1,2-DICHLOROPROPANE	SW8260	20	U	UG/L	20
MW313ADD	MW31	1-BROMO-4-FLUOROBENZENE (4-	SW8260	104		UG/L	0
MW313ADD	MW31	2-BUTANONE	SW8260	20	U	UG/L	20
MW313ADD	MW31	2-HEXANONE	SW8260	20	U	UG/L	20
MW313ADD	MW31	4-METHYL-2-PENTANONE	SW8260	20	U	UG/L	20
MW313ADD	MW31	ACETONE	SW8260	20	U	UG/L	20
MW313ADD	MW31	Ammonia-Nitrogen	E350.2	0.2	U	MG/L	0.2
MW313ADD	MW31	BENZENE	SW8260	20	U	UG/L	20
MW313ADD	MW31	BROMODICHLOROMETHANE	SW8260	20	U	UG/L	20
MW313ADD	MW31	BROMOFORM	SW8260	20	U	UG/L	20
MW313ADD	MW31	BROMOMETHANE	SW8260	20	U	UG/L	20
MW313ADD	MW31	CARBON DISULFIDE	SW8260	20	U	UG/L	20
MW313ADD	MW31	CARBON TETRACHLORIDE	SW8260	8	J	UG/L	20
MW313ADD	MW31	CHLOROBENZENE	SW8260	20	U	UG/L	20
MW313ADD	MW31	CHLOROETHANE	SW8260	20	U	UG/L	20
MW313ADD	MW31	CHLOROFORM	SW8260	49	=	UG/L	20
MW313ADD	MW31	CHLOROMETHANE	SW8260	20	U	UG/L	20
MW313ADD	MW31	cis-1,3-DICHLOROPROPENE	SW8260	20	U	UG/L	20
MW313ADD	MW31	DIBROMOCHLOROMETHANE	SW8260	20	U	UG/L	20
MW313ADD	MW31	DIBROMOFLUOROMETHANE	SW8260	88		UG/L	0
MW313ADD	MW31	ETHYLBENZENE	SW8260	20	U	UG/L	20
MW313ADD	MW31	METHYLENE CHLORIDE	SW8260	20	U	UG/L	20
MW313ADD	MW31	Nitrate/Nitrite-N, Automated	E353.2	2.34	=	MG/L	0.1
MW313ADD	MW31	STYRENE	SW8260	20	U	UG/L	20
MW313ADD	MW31	TETRACHLOROETHYLENE	SW8260	110	=	UG/L	20
MW313ADD	MW31	TOLUENE	SW8260	20	U	UG/L	20
MW313ADD	MW31	TOLUENE-D8	SW8260	97		UG/L	0
MW313ADD	MW31	Total Organic Carbon (Soil/Water)	E415.2	2	=	MG/L	1
MW313ADD	MW31	trans-1,3-DICHLOROPROPENE	SW8260	20	U	UG/L	20
MW313ADD	MW31	TRICHLOROETHYLENE	SW8260	220	=	UG/L	20
MW313ADD	MW31	VINYL CHLORIDE	SW8260	20	U	UG/L	20
MW313ADD	MW31	XYLENE (TOTAL)	SW8260	20	U	UG/L	20
MW323	MW32	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW323	MW32	1,1,2,2-TETRACHLOROETHANE	SW8260	110	=	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW323	MW32	1,1,2-TRICHLOROETHANE	SW8260	5	J	UG/L	10
MW323	MW32	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW323	MW32	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW323	MW32	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW323	MW32	1,2-DICHLOROETHENE (TOTAL)	SW8260	68	=	UG/L	10
MW323	MW32	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW323	MW32	1-BROMO-4-FLUOROBENZENE (4-	SW8260	114		UG/L	10
MW323	MW32	2-BUTANONE	SW8260	10	U	UG/L	0
MW323	MW32	2-HEXANONE	SW8260	10	U	UG/L	10
MW323	MW32	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW323	MW32	ACETONE	SW8260	10	U	UG/L	10
MW323	MW32	ALUMINUM	SW6010	2020	=	UG/L	6.8
MW323	MW32	Ammonia-Nitrogen	E350.2	0.2	U	MG/L	0.2
MW323	MW32	ANTIMONY	SW6010	2	U	UG/L	2
MW323	MW32	ARSENIC	SW6010	2	U	UG/L	2
MW323	MW32	BARIUM	SW6010	193	J	UG/L	0.11
MW323	MW32	BENZENE	SW8260	10	U	UG/L	10
MW323	MW32	BERYLLIUM	SW6010	0.18	U	UG/L	0.09
MW323	MW32	Bicarbonate	E310.1	38	=	MG/L	3
MW323	MW32	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW323	MW32	BROMOFORM	SW8260	10	U	UG/L	10
MW323	MW32	BROMOMETHANE	SW8260	10	U	UG/L	10
MW323	MW32	CADMIUM	SW6010	1.2	J	UG/L	0.1
MW323	MW32	CALCIUM	SW6010	69000	=	UG/L	5.9
MW323	MW32	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW323	MW32	CARBON TETRACHLORIDE	SW8260	16	=	UG/L	10
MW323	MW32	Chloride	E325.1	165	=	MG/L	10
MW323	MW32	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW323	MW32	CHLOROETHANE	SW8260	10	U	UG/L	10
MW323	MW32	CHLOROFORM	SW8260	6	J	UG/L	10
MW323	MW32	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW323	MW32	CHROMIUM, TOTAL	SW6010	3.7	U	UG/L	0.39
MW323	MW32	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW323	MW32	COBALT	SW6010	5.1	U	UG/L	0.33
MW323	MW32	COPPER	SW6010	1.6	J	UG/L	0.67
MW323	MW32	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW323	MW32	DIBROMOFLUOROMETHANE	SW8260	88		UG/L	0
MW323	MW32	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW323	MW32	Fluoride, Free	E340.2	0.1	U	MG/L	0.1
MW323	MW32	Hardness As Caco3	E130.2	274	=	MG/L	3
MW323	MW32	IRON	SW6010	8020	=	UG/L	1.7
MW323	MW32	LEAD	SW6010	1.8	J	UG/L	0.99
MW323	MW32	MAGNESIUM	SW6010	15600	=	UG/L	2.4
MW323	MW32	MANGANESE	SW6010	2000	=	UG/L	0.08
MW323	MW32	MERCURY	SW7470	0.22	U	UG/L	0.08
MW323	MW32	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW323	MW32	NICKEL	SW6010	4.9	U	UG/L	0.27
MW323	MW32	Nitrate-Nitrogen	E353.2	4.29	=	MG/L	0.25
MW323	MW32	Nitrate/Nitrite-N, Automated	E353.2	4.16	=	MG/L	0.25
MW323	MW32	POTASSIUM	SW6010	3970	J	UG/L	715.6
MW323	MW32	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW323	MW32	SILVER	SW6010	0.39	U	UG/L	0.39
MW323	MW32	SODIUM	SW6010	22000	=	UG/L	103.7
MW323	MW32	STYRENE	SW8260	10	U	UG/L	10
MW323	MW32	Sulfate	E375.4	11.6	=	MG/L	2
MW323	MW32	TETRACHLOROETHYLENE	SW8260	1	J	UG/L	10
MW323	MW32	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW323	MW32	TOLUENE	SW8260	10	U	UG/L	10
MW323	MW32	TOLUENE-D8	SW8260	94		UG/L	0
MW323	MW32	Total Dissolved Solids	E160.1	709	=	MG/L	10
MW323	MW32	Total Organic Carbon (Soil/Water)	E415.2	8.5	=	MG/L	1
MW323	MW32	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW323	MW32	TRICHLOROETHYLENE	SW8260	76	=	UG/L	10
MW323	MW32	VANADIUM	SW6010	11.1	J	UG/L	0.33
MW323	MW32	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW323	MW32	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW323	MW32	ZINC	SW6010	17.3	U	UG/L	0.57
MW333	MW33	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW333	MW33	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW333	MW33	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW333	MW33	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW333	MW33	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW333	MW33	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW333	MW33	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW333	MW33	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW333	MW33	1-BROMO-4-FLUOROBENZENE (4-	SW8260	106		UG/L	0
MW333	MW33	2-BUTANONE	SW8260	10	U	UG/L	10
MW333	MW33	2-HEXANONE	SW8260	10	U	UG/L	10
MW333	MW33	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW333	MW33	ACETONE	SW8260	10	U	UG/L	10
MW333	MW33	ALUMINUM	SW6010	585	J	UG/L	6.8
MW333	MW33	ANTIMONY	SW6010	5.2	U	UG/L	2
MW333	MW33	ARSENIC	SW6010	2	U	UG/L	2
MW333	MW33	BARIUM	SW6010	59.8	=	UG/L	0.11
MW333	MW33	BENZENE	SW8260	10	U	UG/L	10
MW333	MW33	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW333	MW33	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW333	MW33	BROMOFORM	SW8260	10	U	UG/L	10
MW333	MW33	BROMOMETHANE	SW8260	10	U	UG/L	10
MW333	MW33	CADMIUM	SW6010	0.14	J	UG/L	0.1
MW333	MW33	CALCIUM	SW6010	9930	=	UG/L	5.9
MW333	MW33	CARBON DISULFIDE	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW333	MW33	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW333	MW33	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW333	MW33	CHLOROETHANE	SW8260	10	U	UG/L	10
MW333	MW33	CHLOROFORM	SW8260	10	U	UG/L	10
MW333	MW33	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW333	MW33	CHROMIUM, TOTAL	SW6010	1.8	U	UG/L	0.39
MW333	MW33	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW333	MW33	COBALT	SW6010	0.33	U	UG/L	0.33
MW333	MW33	COPPER	SW6010	2.1	U	UG/L	0.67
MW333	MW33	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW333	MW33	DIBROMOFLUOROMETHANE	SW8260	95		UG/L	0
MW333	MW33	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW333	MW33	IRON	SW6010	2050	=	UG/L	1.7
MW333	MW33	LEAD	SW6010	1.6	J	UG/L	0.99
MW333	MW33	MAGNESIUM	SW6010	4850	=	UG/L	2.4
MW333	MW33	MANGANESE	SW6010	20.8	=	UG/L	0.08
MW333	MW33	MERCURY	SW7470	0.08	U	UG/L	0.08
MW333	MW33	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW333	MW33	NICKEL	SW6010	2	U	UG/L	0.27
MW333	MW33	POTASSIUM	SW6010	1070	J	UG/L	715.6
MW333	MW33	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW333	MW33	SILVER	SW6010	0.39	U	UG/L	0.39
MW333	MW33	SODIUM	SW6010	20200	J	UG/L	103.7
MW333	MW33	STYRENE	SW8260	10	U	UG/L	10
MW333	MW33	TETRACHLOROETHYLENE	SW8260	10	U	UG/L	10
MW333	MW33	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW333	MW33	TOLUENE	SW8260	10	U	UG/L	10
MW333	MW33	TOLUENE-D8	SW8260	100		UG/L	0
MW333	MW33	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW333	MW33	TRICHLOROETHYLENE	SW8260	10	U	UG/L	10
MW333	MW33	VANADIUM	SW6010	2	J	UG/L	0.33
MW333	MW33	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW333	MW33	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW333	MW33	ZINC	SW6010	5	UJ	UG/L	0.57
MW343	MW34	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW343	MW34	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW343	MW34	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW343	MW34	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW343	MW34	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW343	MW34	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW343	MW34	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW343	MW34	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW343	MW34	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW343	MW34	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW343	MW34	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW343	MW34	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW343	MW34	1-BROMO-4-FLUOROBENZENE (4-	SW8260	109		UG/L	0
MW343	MW34	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW343	MW34	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW343	MW34	2,4,6-Tribromophenol - SS	SW8270	76		UG/L	0
MW343	MW34	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW343	MW34	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW343	MW34	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW343	MW34	2,4-DINITROPHENOL	SW8270	25	U	UG/L	25
MW343	MW34	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW343	MW34	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW343	MW34	2-BUTANONE	SW8260	10	U	UG/L	10
MW343	MW34	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW343	MW34	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW343	MW34	2-Fluorobiphenyl - SS	SW8270	71		UG/L	0
MW343	MW34	2-Fluorophenol - SS	SW8270	78		UG/L	0
MW343	MW34	2-HEXANONE	SW8260	10	U	UG/L	10
MW343	MW34	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW343	MW34	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW343	MW34	2-NITROANILINE	SW8270	25	U	UG/L	25
MW343	MW34	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW343	MW34	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW343	MW34	3-NITROANILINE	SW8270	25	U	UG/L	25
MW343	MW34	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	U	UG/L	25
MW343	MW34	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW343	MW34	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW343	MW34	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW343	MW34	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW343	MW34	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW343	MW34	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW343	MW34	4-NITROANILINE	SW8270	25	U	UG/L	25
MW343	MW34	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW343	MW34	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW343	MW34	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW343	MW34	ACETONE	SW8260	10	U	UG/L	10
MW343	MW34	ALUMINUM	SW6010	162	J	UG/L	6.8
MW343	MW34	Ammonia-Nitrogen	E350.2	0.2	U	MG/L	0.2
MW343	MW34	ANTHRACENE	SW8270	10	U	UG/L	10
MW343	MW34	ANTIMONY	SW6010	2	U	UG/L	2
MW343	MW34	ARSENIC	SW6010	2	U	UG/L	2
MW343	MW34	BARIUM	SW6010	129	J	UG/L	0.11
MW343	MW34	BENZENE	SW8260	10	U	UG/L	10
MW343	MW34	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW343	MW34	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW343	MW34	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW343	MW34	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW343	MW34	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW343	MW34	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW343	MW34	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW343	MW34	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW343	MW34	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW343	MW34	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW343	MW34	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW343	MW34	BROMOFORM	SW8260	10	U	UG/L	10
MW343	MW34	BROMOMETHANE	SW8260	10	U	UG/L	10
MW343	MW34	CADMIUM	SW6010	0.1	U	UG/L	0.1
MW343	MW34	CALCIUM	SW6010	12900	=	UG/L	5.9
MW343	MW34	CARBAZOLE	SW8270	10	U	UG/L	10
MW343	MW34	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW343	MW34	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW343	MW34	Chloride	E325.1	10.4	=	MG/L	1
MW343	MW34	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW343	MW34	CHLOROETHANE	SW8260	10	U	UG/L	10
MW343	MW34	CHLOROFORM	SW8260	1	J	UG/L	10
MW343	MW34	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW343	MW34	CHROMIUM, TOTAL	SW6010	3.2	J	UG/L	0.39
MW343	MW34	CHRYSENE	SW8270	10	U	UG/L	10
MW343	MW34	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW343	MW34	COBALT	SW6010	0.33	U	UG/L	0.33
MW343	MW34	COPPER	SW6010	0.67	U	UG/L	0.67
MW343	MW34	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW343	MW34	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW343	MW34	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW343	MW34	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW343	MW34	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW343	MW34	DIBROMOFLUOROMETHANE	SW8260	96		UG/L	0
MW343	MW34	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW343	MW34	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW343	MW34	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW343	MW34	FLUORANTHENE	SW8270	10	U	UG/L	10
MW343	MW34	FLUORENE	SW8270	10	U	UG/L	10
MW343	MW34	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW343	MW34	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW343	MW34	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW343	MW34	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW343	MW34	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW343	MW34	IRON	SW6010	808	=	UG/L	1.7
MW343	MW34	ISOPHORONE	SW8270	10	U	UG/L	10
MW343	MW34	LEAD	SW6010	1.1	J	UG/L	0.99
MW343	MW34	MAGNESIUM	SW6010	5950	=	UG/L	2.4
MW343	MW34	MANGANESE	SW6010	2.4	J	UG/L	0.08
MW343	MW34	MERCURY	SW7470	0.1	U	UG/L	0.08
MW343	MW34	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW343	MW34	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW343	MW34	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW343	MW34	NAPHTHALENE	SW8270	10	U	UG/L	10
MW343	MW34	NICKEL	SW6010	2.8	U	UG/L	10
MW343	MW34	Nitrate/Nitrite-N, Automated	E353.2	5.92	=	UG/L	0.27
MW343	MW34	NITROBENZENE	SW8270	10	U	MG/L	0.25
MW343	MW34	Nitrobenzene-d5 - SS	SW8270	72		UG/L	10
MW343	MW34	PENTACHLOROPHENOL	SW8270	5	U	UG/L	0
MW343	MW34	PHENANTHRENE	SW8270	10	U	UG/L	5
MW343	MW34	PHENOL	SW8270	10	U	UG/L	10
MW343	MW34	Phenol-d5 - SS	SW8270	73		UG/L	10
MW343	MW34	POTASSIUM	SW6010	1530	J	UG/L	0
MW343	MW34	PYRENE	SW8270	10	U	UG/L	715.6
MW343	MW34	SELENIUM	SW6010	3.5	U	UG/L	10
MW343	MW34	SILVER	SW6010	0.39	U	UG/L	3.5
MW343	MW34	SODIUM	SW6010	9350	J	UG/L	0.39
MW343	MW34	STYRENE	SW8260	10	U	UG/L	103.7
MW343	MW34	Sulfate	E375.4	9.7	=	UG/L	10
MW343	MW34	Terphenyl-d14 - SS	SW8270	89		MG/L	2
MW343	MW34	TETRACHLOROETHYLENE	SW8260	10	U	UG/L	0
MW343	MW34	THALLIUM	SW6010	2.3	U	UG/L	10
MW343	MW34	TOLUENE	SW8260	10	U	UG/L	2.3
MW343	MW34	TOLUENE-D8	SW8260	99		UG/L	10
MW343	MW34	Total Organic Carbon (Soil/Water)	E415.2	2	=	UG/L	0
MW343	MW34	trans-1,3-DICHLOROPROPENE	SW8260	10	U	MG/L	1
MW343	MW34	TRICHLOROETHYLENE	SW8260	10	U	UG/L	10
MW343	MW34	VANADIUM	SW6010	1.6	J	UG/L	10
MW343	MW34	VINYL CHLORIDE	SW8260	10	U	UG/L	0.33
MW343	MW34	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW343	MW34	ZINC	SW6010	4.3	UJ	UG/L	10
MW353	MW35	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	0.57
MW353	MW35	1,1,2,2-TETRACHLOROETHANE	SW8260	5	J	UG/L	10
MW353	MW35	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW353	MW35	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW353	MW35	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW353	MW35	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW353	MW35	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW353	MW35	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW353	MW35	1,2-DICHLOROETHENE (TOTAL)	SW8260	4	J	UG/L	10
MW353	MW35	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW353	MW35	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW353	MW35	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW353	MW35	1-BROMO-4-FLUOROBENZENE (4-	SW8260	102		UG/L	0
MW353	MW35	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW353	MW35	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW353	MW35	2,4,6-Tribromophenol - SS	SW8270	60		UG/L	0

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW353	MW35	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW353	MW35	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW353	MW35	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW353	MW35	2,4-DINITROPHENOL	SW8270	25	U	UG/L	25
MW353	MW35	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW353	MW35	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW353	MW35	2-BUTANONE	SW8260	10	U	UG/L	10
MW353	MW35	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW353	MW35	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW353	MW35	2-Fluorobiphenyl - SS	SW8270	60		UG/L	0
MW353	MW35	2-Fluorophenol - SS	SW8270	56		UG/L	0
MW353	MW35	2-HEXANONE	SW8260	10	U	UG/L	10
MW353	MW35	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW353	MW35	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW353	MW35	2-NITROANILINE	SW8270	25	U	UG/L	25
MW353	MW35	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW353	MW35	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW353	MW35	3-NITROANILINE	SW8270	25	U	UG/L	25
MW353	MW35	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	U	UG/L	25
MW353	MW35	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW353	MW35	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW353	MW35	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW353	MW35	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW353	MW35	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW353	MW35	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW353	MW35	4-NITROANILINE	SW8270	25	U	UG/L	25
MW353	MW35	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW353	MW35	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW353	MW35	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW353	MW35	ACETONE	SW8260	10	U	UG/L	10
MW353	MW35	ALUMINUM	SW6010	39.1	U	UG/L	6.8
MW353	MW35	Ammonia-Nitrogen	E350.2	0.2	U	MG/L	0.2
MW353	MW35	ANTHRACENE	SW8270	10	U	UG/L	10
MW353	MW35	ANTIMONY	SW6010	2	U	UG/L	2
MW353	MW35	ARSENIC	SW6010	2	U	UG/L	2
MW353	MW35	BARIUM	SW6010	119	J	UG/L	0.11
MW353	MW35	BENZENE	SW8260	10	U	UG/L	10
MW353	MW35	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW353	MW35	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW353	MW35	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW353	MW35	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW353	MW35	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW353	MW35	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW353	MW35	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW353	MW35	Bicarbonate	E310.1	54	=	MG/L	3
MW353	MW35	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW353	MW35	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW353	MW35	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW353	MW35	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW353	MW35	BROMOFORM	SW8260	10	U	UG/L	10
MW353	MW35	BROMOMETHANE	SW8260	10	U	UG/L	10
MW353	MW35	CADMIUM	SW6010	0.1	U	UG/L	0.1
MW353	MW35	CALCIUM	SW6010	14400	=	UG/L	5.9
MW353	MW35	CARBAZOLE	SW8270	10	U	UG/L	10
MW353	MW35	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW353	MW35	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW353	MW35	Chloride	E325.1	10.7	=	MG/L	1
MW353	MW35	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW353	MW35	CHLOROETHANE	SW8260	10	U	UG/L	10
MW353	MW35	CHLOROFORM	SW8260	10	U	UG/L	10
MW353	MW35	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW353	MW35	CHROMIUM, TOTAL	SW6010	1.2	U	UG/L	0.39
MW353	MW35	CHRYSENE	SW8270	10	U	UG/L	10
MW353	MW35	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW353	MW35	COBALT	SW6010	0.52	U	UG/L	0.33
MW353	MW35	COPPER	SW6010	0.67	U	UG/L	0.67
MW353	MW35	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW353	MW35	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW353	MW35	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW353	MW35	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW353	MW35	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW353	MW35	DIBROMOFLUOROMETHANE	SW8260	97		UG/L	0
MW353	MW35	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW353	MW35	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW353	MW35	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW353	MW35	FLUORANTHENE	SW8270	10	U	UG/L	10
MW353	MW35	FLUORENE	SW8270	10	U	UG/L	10
MW353	MW35	Hardness As Caco3	E130.2	72	=	MG/L	3
MW353	MW35	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW353	MW35	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW353	MW35	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW353	MW35	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW353	MW35	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW353	MW35	IRON	SW6010	162	=	UG/L	1.7
MW353	MW35	ISOPHORONE	SW8270	10	U	UG/L	10
MW353	MW35	LEAD	SW6010	0.99	U	UG/L	0.99
MW353	MW35	MAGNESIUM	SW6010	7040	=	UG/L	2.4
MW353	MW35	MANGANESE	SW6010	3.3	U	UG/L	0.08
MW353	MW35	MERCURY	SW7470	0.08	U	UG/L	0.08
MW353	MW35	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW353	MW35	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW353	MW35	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW353	MW35	NAPHTHALENE	SW8270	10	U	UG/L	10
MW353	MW35	NICKEL	SW6010	1.5	U	UG/L	0.27
MW353	MW35	Nitrate-Nitrogen	E353.2	4.19	=	MG/L	0.25
MW353	MW35	Nitrate/Nitrite-N, Automated	E353.2	4.15	=	MG/L	0.25
MW353	MW35	NITROBENZENE	SW8270	10	U	UG/L	10
MW353	MW35	Nitrobenzene-d5 - SS	SW8270	70		UG/L	0
MW353	MW35	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW353	MW35	PHENANTHRENE	SW8270	10	U	UG/L	10
MW353	MW35	PHENOL	SW8270	10	U	UG/L	10
MW353	MW35	Phenol-d5 - SS	SW8270	54		UG/L	0
MW353	MW35	POTASSIUM	SW6010	716	U	UG/L	716
MW353	MW35	PYRENE	SW8270	10	U	UG/L	10
MW353	MW35	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW353	MW35	SILVER	SW6010	0.39	U	UG/L	0.39
MW353	MW35	SODIUM	SW6010	15800	=	UG/L	103.7
MW353	MW35	STYRENE	SW8260	10	U	UG/L	10
MW353	MW35	Sulfate	E375.4	20.2	=	MG/L	2
MW353	MW35	Terphenyl-d14 - SS	SW8270	56		UG/L	0
MW353	MW35	TETRACHLOROETHYLENE	SW8260	1	J	UG/L	10
MW353	MW35	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW353	MW35	TOLUENE	SW8260	10	U	UG/L	10
MW353	MW35	TOLUENE-D8	SW8260	102		UG/L	0
MW353	MW35	Total Dissolved Solids	E160.1	172	=	MG/L	10
MW353	MW35	Total Organic Carbon (Soil/Water)	E415.2	1.9	=	MG/L	1
MW353	MW35	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW353	MW35	TRICHLOROETHYLENE	SW8260	93	=	UG/L	10
MW353	MW35	VANADIUM	SW6010	0.63	U	UG/L	0.33
MW353	MW35	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW353	MW35	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW353	MW35	ZINC	SW6010	7.1	U	UG/L	0.57
MW363	MW36	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW363	MW36	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW363	MW36	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW363	MW36	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW363	MW36	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW363	MW36	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW363	MW36	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW363	MW36	1,2-DICHLOROETHANE	SW8260	10	UJ	UG/L	10
MW363	MW36	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW363	MW36	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW363	MW36	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW363	MW36	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW363	MW36	1-BROMO-4-FLUOROBENZENE (4-	SW8260	99		UG/L	0
MW363	MW36	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW363	MW36	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW363	MW36	2,4,6-Tribromophenol - SS	SW8270	54		UG/L	0

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW363	MW36	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW363	MW36	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW363	MW36	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW363	MW36	2,4-DINITROPHENOL	SW8270	25	UJ	UG/L	25
MW363	MW36	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW363	MW36	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW363	MW36	2-BUTANONE	SW8260	10	U	UG/L	10
MW363	MW36	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW363	MW36	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW363	MW36	2-Fluorobiphenyl - SS	SW8270	80		UG/L	0
MW363	MW36	2-Fluorophenol - SS	SW8270	62		UG/L	0
MW363	MW36	2-HEXANONE	SW8260	10	U	UG/L	10
MW363	MW36	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW363	MW36	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW363	MW36	2-NITROANILINE	SW8270	25	U	UG/L	25
MW363	MW36	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW363	MW36	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW363	MW36	3-NITROANILINE	SW8270	25	U	UG/L	25
MW363	MW36	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	UJ	UG/L	25
MW363	MW36	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW363	MW36	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW363	MW36	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW363	MW36	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW363	MW36	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW363	MW36	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW363	MW36	4-NITROANILINE	SW8270	25	U	UG/L	25
MW363	MW36	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW363	MW36	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW363	MW36	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW363	MW36	ACETONE	SW8260	10	U	UG/L	10
MW363	MW36	ALUMINUM	SW6010	439	J	UG/L	6.8
MW363	MW36	ANTHRACENE	SW8270	10	U	UG/L	10
MW363	MW36	ANTIMONY	SW6010	2	U	UG/L	2
MW363	MW36	ARSENIC	SW6010	3.4	U	UG/L	2.1
MW363	MW36	BARIUM	SW6010	49.8	=	UG/L	0.11
MW363	MW36	BENZENE	SW8260	10	U	UG/L	10
MW363	MW36	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW363	MW36	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW363	MW36	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW363	MW36	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW363	MW36	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW363	MW36	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW363	MW36	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW363	MW36	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW363	MW36	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW363	MW36	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW363	MW36	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW363	MW36	BROMOFORM	SW8260	10	U	UG/L	10
MW363	MW36	BROMOMETHANE	SW8260	10	U	UG/L	10
MW363	MW36	CADMIUM	SW6010	2.7	J	UG/L	0.1
MW363	MW36	CALCIUM	SW6010	20400	=	UG/L	5.9
MW363	MW36	CARBAZOLE	SW8270	10	U	UG/L	10
MW363	MW36	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW363	MW36	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW363	MW36	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW363	MW36	CHLOROETHANE	SW8260	10	U	UG/L	10
MW363	MW36	CHLOROFORM	SW8260	10	U	UG/L	10
MW363	MW36	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW363	MW36	CHROMIUM, TOTAL	SW6010	9.1	J	UG/L	0.39
MW363	MW36	CHRYSENE	SW8270	10	U	UG/L	10
MW363	MW36	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW363	MW36	COBALT	SW6010	0.88	U	UG/L	0.33
MW363	MW36	COPPER	SW6010	11.8	=	UG/L	0.67
MW363	MW36	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW363	MW36	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW363	MW36	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW363	MW36	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW363	MW36	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW363	MW36	DIBROMOFLUOROMETHANE	SW8260	87		UG/L	0
MW363	MW36	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW363	MW36	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW363	MW36	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW363	MW36	FLUORANTHENE	SW8270	10	U	UG/L	10
MW363	MW36	FLUORENE	SW8270	10	U	UG/L	10
MW363	MW36	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW363	MW36	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW363	MW36	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW363	MW36	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW363	MW36	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW363	MW36	IRON	SW6010	507	=	UG/L	1.7
MW363	MW36	ISOPHORONE	SW8270	10	U	UG/L	10
MW363	MW36	LEAD	SW6010	1.8	J	UG/L	0.99
MW363	MW36	MAGNESIUM	SW6010	1030	=	UG/L	2.4
MW363	MW36	MANGANESE	SW6010	9.6	J	UG/L	0.08
MW363	MW36	MERCURY	SW7470	0.08	U	UG/L	0.08
MW363	MW36	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW363	MW36	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW363	MW36	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW363	MW36	NAPHTHALENE	SW8270	10	U	UG/L	10
MW363	MW36	NICKEL	SW6010	6.6	J	UG/L	0.27
MW363	MW36	NITROBENZENE	SW8270	10	U	UG/L	10
MW363	MW36	Nitrobenzene-d5 - SS	SW8270	82		UG/L	0

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW363	MW36	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW363	MW36	PHENANTHRENE	SW8270	10	U	UG/L	10
MW363	MW36	PHENOL	SW8270	10	U	UG/L	10
MW363	MW36	Phenol-d5 - SS	SW8270	69		UG/L	0
MW363	MW36	POTASSIUM	SW6010	2530	=	UG/L	839.3
MW363	MW36	PYRENE	SW8270	10	UJ	UG/L	10
MW363	MW36	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW363	MW36	SILVER	SW6010	0.39	U	UG/L	0.39
MW363	MW36	SODIUM	SW6010	1010	J	UG/L	103.7
MW363	MW36	STYRENE	SW8260	10	U	UG/L	10
MW363	MW36	Terphenyl-d14 - SS	SW8270	57		UG/L	0
MW363	MW36	TETRACHLOROETHYLENE	SW8260	10	U	UG/L	10
MW363	MW36	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW363	MW36	TOLUENE	SW8260	10	U	UG/L	10
MW363	MW36	TOLUENE-D8	SW8260	98		UG/L	0
MW363	MW36	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW363	MW36	TRICHLOROETHYLENE	SW8260	10	U	UG/L	10
MW363	MW36	VANADIUM	SW6010	2.3	J	UG/L	0.33
MW363	MW36	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW363	MW36	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW363	MW36	ZINC	SW6010	70.7	J	UG/L	0.57
MW373	MW37	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW373	MW37	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW373	MW37	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW373	MW37	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW373	MW37	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW373	MW37	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW373	MW37	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW373	MW37	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW373	MW37	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW373	MW37	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW373	MW37	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW373	MW37	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW373	MW37	1-BROMO-4-FLUOROBENZENE (4-	SW8260	103		UG/L	0
MW373	MW37	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW373	MW37	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW373	MW37	2,4,6-Tribromophenol - SS	SW8270	78		UG/L	0
MW373	MW37	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW373	MW37	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW373	MW37	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW373	MW37	2,4-DINITROPHENOL	SW8270	25	U	UG/L	25
MW373	MW37	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW373	MW37	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW373	MW37	2-BUTANONE	SW8260	10	U	UG/L	10
MW373	MW37	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW373	MW37	2-CHLOROPHENOL	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW373	MW37	2-Fluorobiphenyl - SS	SW8270	73		UG/L	0
MW373	MW37	2-Fluorophenol - SS	SW8270	59		UG/L	0
MW373	MW37	2-HEXANONE	SW8260	10	U	UG/L	10
MW373	MW37	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW373	MW37	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW373	MW37	2-NITROANILINE	SW8270	25	U	UG/L	25
MW373	MW37	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW373	MW37	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW373	MW37	3-NITROANILINE	SW8270	25	U	UG/L	25
MW373	MW37	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	U	UG/L	25
MW373	MW37	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW373	MW37	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW373	MW37	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW373	MW37	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW373	MW37	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW373	MW37	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW373	MW37	4-NITROANILINE	SW8270	25	U	UG/L	25
MW373	MW37	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW373	MW37	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW373	MW37	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW373	MW37	ACETONE	SW8260	10	U	UG/L	10
MW373	MW37	ALUMINUM	SW6010	352	=	UG/L	6.8
MW373	MW37	Ammonia-Nitrogen	E350.2	0.2	U	MG/L	0.2
MW373	MW37	ANTHRACENE	SW8270	10	U	UG/L	10
MW373	MW37	ANTIMONY	SW6010	2	U	UG/L	2
MW373	MW37	ARSENIC	SW6010	2	U	UG/L	2
MW373	MW37	BARIUM	SW6010	693	=	UG/L	0.11
MW373	MW37	BENZENE	SW8260	10	U	UG/L	10
MW373	MW37	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW373	MW37	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW373	MW37	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW373	MW37	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW373	MW37	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW373	MW37	BENZYL BUTYL PHTHALATE	SW8270	4	J	UG/L	10
MW373	MW37	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW373	MW37	Bicarbonate	E310.1	9	=	MG/L	3
MW373	MW37	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW373	MW37	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW373	MW37	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	11	U	UG/L	10
MW373	MW37	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW373	MW37	BROMOFORM	SW8260	10	U	UG/L	10
MW373	MW37	BROMOMETHANE	SW8260	10	U	UG/L	10
MW373	MW37	CADMIUM	SW6010	0.1	U	UG/L	0.1
MW373	MW37	CALCIUM	SW6010	36500	=	UG/L	5.9
MW373	MW37	CARBAZOLE	SW8270	10	U	UG/L	10
MW373	MW37	CARBON DISULFIDE	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW373	MW37	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW373	MW37	Chloride	E325.1	2.5	=	MG/L	1
MW373	MW37	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW373	MW37	CHLOROETHANE	SW8260	10	U	UG/L	10
MW373	MW37	CHLOROFORM	SW8260	10	U	UG/L	10
MW373	MW37	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW373	MW37	CHROMIUM, TOTAL	SW6010	10.1	U	UG/L	0.39
MW373	MW37	CHRYSENE	SW8270	10	U	UG/L	10
MW373	MW37	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW373	MW37	COBALT	SW6010	0.33	U	UG/L	0.33
MW373	MW37	COPPER	SW6010	0.67	U	UG/L	0.67
MW373	MW37	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW373	MW37	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW373	MW37	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW373	MW37	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW373	MW37	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW373	MW37	DIBROMOFLUOROMETHANE	SW8260	99		UG/L	0
MW373	MW37	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW373	MW37	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW373	MW37	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW373	MW37	FLUORANTHENE	SW8270	10	U	UG/L	10
MW373	MW37	FLUORENE	SW8270	10	U	UG/L	10
MW373	MW37	Fluoride, Free	E340.2	0.1	U	MG/L	0.1
MW373	MW37	Hardness As Caco3	E130.2	198	=	MG/L	3
MW373	MW37	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW373	MW37	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW373	MW37	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW373	MW37	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW373	MW37	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW373	MW37	IRON	SW6010	4970	=	UG/L	1.7
MW373	MW37	ISOPHORONE	SW8270	10	U	UG/L	10
MW373	MW37	LEAD	SW6010	0.99	U	UG/L	0.99
MW373	MW37	MAGNESIUM	SW6010	14700	=	UG/L	2.4
MW373	MW37	MANGANESE	SW6010	188	=	UG/L	0.08
MW373	MW37	MERCURY	SW7470	0.08	U	UG/L	0.08
MW373	MW37	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW373	MW37	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW373	MW37	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW373	MW37	NAPHTHALENE	SW8270	10	U	UG/L	10
MW373	MW37	NICKEL	SW6010	8	U	UG/L	0.27
MW373	MW37	Nitrate-Nitrogen	E353.2	0.05	U	MG/L	0.05
MW373	MW37	Nitrate/Nitrite-N, Automated	E353.2	0.05	U	MG/L	0.05
MW373	MW37	NITROBENZENE	SW8270	10	U	UG/L	10
MW373	MW37	Nitrobenzene-d5 - SS	SW8270	63		UG/L	0
MW373	MW37	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW373	MW37	PHENANTHRENE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW373	MW37	PHENOL	SW8270	10	U	UG/L	10
MW373	MW37	Phenol-d5 - SS	SW8270	70		UG/L	0
MW373	MW37	POTASSIUM	SW6010	7380	=	UG/L	715.6
MW373	MW37	PYRENE	SW8270	10	U	UG/L	10
MW373	MW37	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW373	MW37	SILVER	SW6010	0.39	U	UG/L	0.39
MW373	MW37	SODIUM	SW6010	7090	=	UG/L	103.7
MW373	MW37	STYRENE	SW8260	10	U	UG/L	10
MW373	MW37	Sulfate	E375.4	4.5	=	MG/L	2
MW373	MW37	Terphenyl-d14 - SS	SW8270	64		UG/L	0
MW373	MW37	TETRACHLOROETHYLENE	SW8260	10	U	UG/L	10
MW373	MW37	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW373	MW37	TOLUENE	SW8260	10	U	UG/L	10
MW373	MW37	TOLUENE-D8	SW8260	104		UG/L	0
MW373	MW37	Total Dissolved Solids	E160.1	200	=	MG/L	10
MW373	MW37	Total Organic Carbon (Soil/Water)	E415.2	1.4	=	MG/L	1
MW373	MW37	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW373	MW37	TRICHLOROETHYLENE	SW8260	10	U	UG/L	10
MW373	MW37	VANADIUM	SW6010	0.33	U	UG/L	0.33
MW373	MW37	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW373	MW37	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW373	MW37	ZINC	SW6010	16.9	U	UG/L	0.57
MW383	MW38	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW383	MW38	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW383	MW38	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW383	MW38	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW383	MW38	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW383	MW38	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW383	MW38	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW383	MW38	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW383	MW38	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW383	MW38	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW383	MW38	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW383	MW38	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW383	MW38	1-BROMO-4-FLUOROBENZENE (4-	SW8260	110		UG/L	0
MW383	MW38	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW383	MW38	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW383	MW38	2,4,6-Tribromophenol - SS	SW8270	64		UG/L	0
MW383	MW38	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW383	MW38	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW383	MW38	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW383	MW38	2,4-DINITROPHENOL	SW8270	25	UJ	UG/L	25
MW383	MW38	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW383	MW38	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW383	MW38	2-BUTANONE	SW8260	10	U	UG/L	10
MW383	MW38	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW383	MW38	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW383	MW38	2-Fluorobiphenyl - SS	SW8270	73		UG/L	0
MW383	MW38	2-Fluorophenol - SS	SW8270	51		UG/L	0
MW383	MW38	2-HEXANONE	SW8260	10	U	UG/L	10
MW383	MW38	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW383	MW38	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW383	MW38	2-NITROANILINE	SW8270	25	U	UG/L	25
MW383	MW38	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW383	MW38	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW383	MW38	3-NITROANILINE	SW8270	25	U	UG/L	25
MW383	MW38	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	UJ	UG/L	25
MW383	MW38	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW383	MW38	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW383	MW38	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW383	MW38	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW383	MW38	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW383	MW38	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW383	MW38	4-NITROANILINE	SW8270	25	U	UG/L	25
MW383	MW38	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW383	MW38	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW383	MW38	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW383	MW38	ACETONE	SW8260	10	U	UG/L	10
MW383	MW38	ALUMINUM	SW6010	562	J	UG/L	6.8
MW383	MW38	ANTHRACENE	SW8270	10	U	UG/L	10
MW383	MW38	ANTIMONY	SW6010	4.8	U	UG/L	2
MW383	MW38	ARSENIC	SW6010	2	U	UG/L	2
MW383	MW38	BARIUM	SW6010	56.1	=	UG/L	0.11
MW383	MW38	BENZENE	SW8260	10	U	UG/L	10
MW383	MW38	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW383	MW38	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW383	MW38	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW383	MW38	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW383	MW38	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW383	MW38	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW383	MW38	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW383	MW38	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW383	MW38	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW383	MW38	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW383	MW38	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW383	MW38	BROMOFORM	SW8260	10	U	UG/L	10
MW383	MW38	BROMOMETHANE	SW8260	10	U	UG/L	10
MW383	MW38	CADMIUM	SW6010	19.2	=	UG/L	0.1
MW383	MW38	CALCIUM	SW6010	20300	=	UG/L	5.9
MW383	MW38	CARBAZOLE	SW8270	10	U	UG/L	10
MW383	MW38	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW383	MW38	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW383	MW38	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW383	MW38	CHLOROETHANE	SW8260	10	U	UG/L	10
MW383	MW38	CHLOROFORM	SW8260	10	U	UG/L	10
MW383	MW38	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW383	MW38	CHROMIUM, TOTAL	SW6010	13.9	=	UG/L	0.39
MW383	MW38	CHRYSENE	SW8270	10	U	UG/L	10
MW383	MW38	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW383	MW38	COBALT	SW6010	1.1	J	UG/L	0.33
MW383	MW38	COPPER	SW6010	12.2	=	UG/L	0.67
MW383	MW38	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW383	MW38	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW383	MW38	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW383	MW38	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW383	MW38	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW383	MW38	DIBROMOFLUOROMETHANE	SW8260	99		UG/L	0
MW383	MW38	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW383	MW38	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW383	MW38	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW383	MW38	FLUORANTHENE	SW8270	10	U	UG/L	10
MW383	MW38	FLUORENE	SW8270	10	U	UG/L	10
MW383	MW38	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW383	MW38	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW383	MW38	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW383	MW38	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW383	MW38	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW383	MW38	IRON	SW6010	998	=	UG/L	1.7
MW383	MW38	ISOPHORONE	SW8270	10	U	UG/L	10
MW383	MW38	LEAD	SW6010	4.3	=	UG/L	0.99
MW383	MW38	MAGNESIUM	SW6010	3930	=	UG/L	2.4
MW383	MW38	MANGANESE	SW6010	20.2	=	UG/L	0.08
MW383	MW38	MERCURY	SW7470	0.12	U	UG/L	0.08
MW383	MW38	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW383	MW38	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW383	MW38	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW383	MW38	NAPHTHALENE	SW8270	10	U	UG/L	10
MW383	MW38	NICKEL	SW6010	11.4	J	UG/L	0.27
MW383	MW38	NITROBENZENE	SW8270	10	U	UG/L	10
MW383	MW38	Nitrobenzene-d5 - SS	SW8270	74		UG/L	0
MW383	MW38	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW383	MW38	PHENANTHRENE	SW8270	10	U	UG/L	10
MW383	MW38	PHENOL	SW8270	10	U	UG/L	10
MW383	MW38	Phenol-d5 - SS	SW8270	59		UG/L	0
MW383	MW38	POTASSIUM	SW6010	2960	=	UG/L	715.6
MW383	MW38	PYRENE	SW8270	10	UJ	UG/L	10
MW383	MW38	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW383	MW38	SILVER	SW6010	0.39	U	UG/L	0.39

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW383	MW38	SODIUM	SW6010	7070	J	UG/L	103.7
MW383	MW38	STYRENE	SW8260	10	U	UG/L	10
MW383	MW38	Terphenyl-d14 - SS	SW8270	62		UG/L	0
MW383	MW38	TETRACHLOROETHYLENE	SW8260	10	U	UG/L	10
MW383	MW38	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW383	MW38	TOLUENE	SW8260	10	U	UG/L	10
MW383	MW38	TOLUENE-D8	SW8260	104		UG/L	0
MW383	MW38	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW383	MW38	TRICHLOROETHYLENE	SW8260	1	J	UG/L	10
MW383	MW38	VANADIUM	SW6010	1.6	J	UG/L	0.33
MW383	MW38	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW383	MW38	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW383	MW38	ZINC	SW6010	29.3	J	UG/L	0.57
MW393	MW39	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW393	MW39	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW393	MW39	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW393	MW39	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW393	MW39	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW393	MW39	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW393	MW39	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW393	MW39	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW393	MW39	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW393	MW39	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW393	MW39	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW393	MW39	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW393	MW39	1-BROMO-4-FLUOROBENZENE (4-	SW8260	111		UG/L	0
MW393	MW39	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW393	MW39	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW393	MW39	2,4,6-Tribromophenol - SS	SW8270	83		UG/L	0
MW393	MW39	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW393	MW39	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW393	MW39	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW393	MW39	2,4-DINITROPHENOL	SW8270	25	U	UG/L	25
MW393	MW39	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW393	MW39	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW393	MW39	2-BUTANONE	SW8260	10	U	UG/L	10
MW393	MW39	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW393	MW39	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW393	MW39	2-Fluorobiphenyl - SS	SW8270	85		UG/L	0
MW393	MW39	2-Fluorophenol - SS	SW8270	82		UG/L	0
MW393	MW39	2-HEXANONE	SW8260	10	U	UG/L	10
MW393	MW39	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW393	MW39	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW393	MW39	2-NITROANILINE	SW8270	25	U	UG/L	25
MW393	MW39	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW393	MW39	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW393	MW39	3-NITROANILINE	SW8270	25	U	UG/L	25
MW393	MW39	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	U	UG/L	25
MW393	MW39	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW393	MW39	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW393	MW39	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW393	MW39	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW393	MW39	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW393	MW39	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW393	MW39	4-NITROANILINE	SW8270	25	U	UG/L	25
MW393	MW39	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW393	MW39	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW393	MW39	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW393	MW39	ACETONE	SW8260	10	U	UG/L	10
MW393	MW39	ALUMINUM	SW6010	1730	J	UG/L	6.8
MW393	MW39	ANTHRACENE	SW8270	10	U	UG/L	10
MW393	MW39	ANTIMONY	SW6010	2.3	U	UG/L	2
MW393	MW39	ARSENIC	SW6010	2	U	UG/L	2
MW393	MW39	BARIUM	SW6010	79	J	UG/L	0.11
MW393	MW39	BENZENE	SW8260	10	U	UG/L	10
MW393	MW39	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW393	MW39	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW393	MW39	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW393	MW39	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW393	MW39	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW393	MW39	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW393	MW39	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW393	MW39	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW393	MW39	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW393	MW39	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW393	MW39	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW393	MW39	BROMOFORM	SW8260	10	U	UG/L	10
MW393	MW39	BROMOMETHANE	SW8260	10	U	UG/L	10
MW393	MW39	CADMIUM	SW6010	1.4	J	UG/L	0.1
MW393	MW39	CALCIUM	SW6010	25900	=	UG/L	5.9
MW393	MW39	CARBAZOLE	SW8270	10	U	UG/L	10
MW393	MW39	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW393	MW39	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW393	MW39	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW393	MW39	CHLOROETHANE	SW8260	10	U	UG/L	10
MW393	MW39	CHLOROFORM	SW8260	10	U	UG/L	10
MW393	MW39	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW393	MW39	CHROMIUM, TOTAL	SW6010	5.4	J	UG/L	0.39
MW393	MW39	CHRYSENE	SW8270	10	U	UG/L	10
MW393	MW39	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW393	MW39	COBALT	SW6010	2.9	J	UG/L	0.33
MW393	MW39	COPPER	SW6010	2.6	U	UG/L	0.67

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW393	MW39	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW393	MW39	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW393	MW39	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW393	MW39	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW393	MW39	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW393	MW39	DIBROMOFLUOROMETHANE	SW8260	98		UG/L	0
MW393	MW39	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW393	MW39	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW393	MW39	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW393	MW39	FLUORANTHENE	SW8270	10	U	UG/L	10
MW393	MW39	FLUORENE	SW8270	10	U	UG/L	10
MW393	MW39	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW393	MW39	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW393	MW39	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW393	MW39	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW393	MW39	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW393	MW39	IRON	SW6010	2740	=	UG/L	1.7
MW393	MW39	ISOPHORONE	SW8270	10	U	UG/L	10
MW393	MW39	LEAD	SW6010	7.4	=	UG/L	0.99
MW393	MW39	MAGNESIUM	SW6010	9370	=	UG/L	2.4
MW393	MW39	MANGANESE	SW6010	179	=	UG/L	0.08
MW393	MW39	MERCURY	SW7470	0.12	U	UG/L	0.08
MW393	MW39	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW393	MW39	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW393	MW39	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW393	MW39	NAPHTHALENE	SW8270	10	U	UG/L	10
MW393	MW39	NICKEL	SW6010	3.6	U	UG/L	0.27
MW393	MW39	NITROBENZENE	SW8270	10	U	UG/L	10
MW393	MW39	Nitrobenzene-d5 - SS	SW8270	90		UG/L	0
MW393	MW39	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW393	MW39	PHENANTHRENE	SW8270	10	U	UG/L	10
MW393	MW39	PHENOL	SW8270	10	U	UG/L	10
MW393	MW39	Phenol-d5 - SS	SW8270	90		UG/L	0
MW393	MW39	POTASSIUM	SW6010	2510	J	UG/L	715.6
MW393	MW39	PYRENE	SW8270	10	U	UG/L	10
MW393	MW39	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW393	MW39	SILVER	SW6010	0.39	U	UG/L	0.39
MW393	MW39	SODIUM	SW6010	23500	=	UG/L	103.7
MW393	MW39	STYRENE	SW8260	10	U	UG/L	10
MW393	MW39	Terphenyl-d14 - SS	SW8270	67		UG/L	0
MW393	MW39	TETRACHLOROETHYLENE	SW8260	9	J	UG/L	10
MW393	MW39	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW393	MW39	TOLUENE	SW8260	10	U	UG/L	10
MW393	MW39	TOLUENE-D8	SW8260	104		UG/L	0
MW393	MW39	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW393	MW39	TRICHLOROETHYLENE	SW8260	8	J	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW393	MW39	VANADIUM	SW6010	2.4	J	UG/L	0.33
MW393	MW39	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW393	MW39	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW393	MW39	ZINC	SW6010	43	J	UG/L	0.57
MW403	MW40	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW403	MW40	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW403	MW40	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW403	MW40	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW403	MW40	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW403	MW40	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW403	MW40	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW403	MW40	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW403	MW40	1-BROMO-4-FLUOROBENZENE (4-	SW8260	110		UG/L	0
MW403	MW40	2-BUTANONE	SW8260	10	U	UG/L	10
MW403	MW40	2-HEXANONE	SW8260	10	U	UG/L	10
MW403	MW40	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW403	MW40	ACETONE	SW8260	10	U	UG/L	10
MW403	MW40	ALUMINUM	SW6010	52.5	UJ	UG/L	6.8
MW403	MW40	Ammonia-Nitrogen	E350.2	2.6	=	MG/L	0.2
MW403	MW40	ANTIMONY	SW6010	4.4	U	UG/L	2
MW403	MW40	ARSENIC	SW6010	2	U	UG/L	2
MW403	MW40	BARIUM	SW6010	345	=	UG/L	0.11
MW403	MW40	BENZENE	SW8260	10	U	UG/L	10
MW403	MW40	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW403	MW40	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW403	MW40	BROMOFORM	SW8260	10	U	UG/L	10
MW403	MW40	BROMOMETHANE	SW8260	10	U	UG/L	10
MW403	MW40	CADMIUM	SW6010	0.9	J	UG/L	0.1
MW403	MW40	CALCIUM	SW6010	45900	=	UG/L	5.9
MW403	MW40	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW403	MW40	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW403	MW40	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW403	MW40	CHLOROETHANE	SW8260	10	U	UG/L	10
MW403	MW40	CHLOROFORM	SW8260	10	U	UG/L	10
MW403	MW40	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW403	MW40	CHROMIUM, TOTAL	SW6010	0.39	U	UG/L	0.39
MW403	MW40	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW403	MW40	COBALT	SW6010	4.8	J	UG/L	0.33
MW403	MW40	COPPER	SW6010	4.5	U	UG/L	0.67
MW403	MW40	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW403	MW40	DIBROMOFLUOROMETHANE	SW8260	98		UG/L	0
MW403	MW40	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW403	MW40	IRON	SW6010	98.8	J	UG/L	1.7
MW403	MW40	LEAD	SW6010	1.1	J	UG/L	0.99
MW403	MW40	MAGNESIUM	SW6010	23200	=	UG/L	2.4
MW403	MW40	MANGANESE	SW6010	1120	=	UG/L	0.08

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW403	MW40	MERCURY	SW7470	0.09	U	UG/L	0.06
MW403	MW40	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW403	MW40	NICKEL	SW6010	2.8	U	UG/L	0.27
MW403	MW40	Nitrate/Nitrite-N, Automated	E353.2	0.38	=	MG/L	0.05
MW403	MW40	POTASSIUM	SW6010	6820	=	UG/L	715.6
MW403	MW40	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW403	MW40	SILVER	SW6010	0.39	U	UG/L	0.39
MW403	MW40	SODIUM	SW6010	68700	J	UG/L	103.7
MW403	MW40	STYRENE	SW8260	10	U	UG/L	10
MW403	MW40	TETRACHLOROETHYLENE	SW8260	10	U	UG/L	10
MW403	MW40	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW403	MW40	TOLUENE	SW8260	10	U	UG/L	10
MW403	MW40	TOLUENE-D8	SW8260	103		UG/L	0
MW403	MW40	Total Organic Carbon (Soil/Water)	E415.2	4.7	=	MG/L	1
MW403	MW40	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW403	MW40	TRICHLOROETHYLENE	SW8260	10	U	UG/L	10
MW403	MW40	VANADIUM	SW6010	0.61	J	UG/L	0.33
MW403	MW40	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW403	MW40	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW403	MW40	ZINC	SW6010	9.5	UJ	UG/L	0.57
MW413	MW41	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW413	MW41	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW413	MW41	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW413	MW41	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW413	MW41	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW413	MW41	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW413	MW41	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW413	MW41	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW413	MW41	1-BROMO-4-FLUOROBENZENE (4-	SW8260	114		UG/L	0
MW413	MW41	2-BUTANONE	SW8260	10	U	UG/L	10
MW413	MW41	2-HEXANONE	SW8260	10	U	UG/L	10
MW413	MW41	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW413	MW41	ACETONE	SW8260	10	U	UG/L	10
MW413	MW41	ANTIMONY	SW6010	2	U	UG/L	2
MW413	MW41	ARSENIC	SW6010	2	U	UG/L	2
MW413	MW41	BENZENE	SW8260	10	U	UG/L	10
MW413	MW41	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW413	MW41	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW413	MW41	BROMOFORM	SW8260	10	U	UG/L	10
MW413	MW41	BROMOMETHANE	SW8260	10	U	UG/L	10
MW413	MW41	CADMIUM	SW6010	1.8	J	UG/L	0.1
MW413	MW41	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW413	MW41	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW413	MW41	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW413	MW41	CHLOROETHANE	SW8260	10	U	UG/L	10
MW413	MW41	CHLOROFORM	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW413	MW41	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW413	MW41	CHROMIUM, TOTAL	SW6010	2.8	U	UG/L	0.39
MW413	MW41	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW413	MW41	COPPER	SW6010	6.8	J	UG/L	0.67
MW413	MW41	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW413	MW41	DIBROMOFLUOROMETHANE	SW8260	91		UG/L	0
MW413	MW41	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW413	MW41	LEAD	SW6010	0.99	U	UG/L	0.99
MW413	MW41	MERCURY	SW7470	0.08	U	UG/L	0.08
MW413	MW41	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW413	MW41	NICKEL	SW6010	3.7	U	UG/L	0.27
MW413	MW41	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW413	MW41	SILVER	SW6010	0.39	U	UG/L	0.39
MW413	MW41	STYRENE	SW8260	10	U	UG/L	10
MW413	MW41	TETRACHLOROETHYLENE	SW8260	10	U	UG/L	10
MW413	MW41	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW413	MW41	TOLUENE	SW8260	10	U	UG/L	10
MW413	MW41	TOLUENE-D8	SW8260	98		UG/L	0
MW413	MW41	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW413	MW41	TRICHLOROETHYLENE	SW8260	10	U	UG/L	10
MW413	MW41	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW413	MW41	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW413	MW41	ZINC	SW6010	23.4	U	UG/L	0.57
MW423	MW42	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW423	MW42	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW423	MW42	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW423	MW42	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW423	MW42	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW423	MW42	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW423	MW42	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW423	MW42	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW423	MW42	1-BROMO-4-FLUOROBENZENE (4-	SW8260	113		UG/L	0
MW423	MW42	2-BUTANONE	SW8260	10	U	UG/L	10
MW423	MW42	2-HEXANONE	SW8260	10	U	UG/L	10
MW423	MW42	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW423	MW42	ACETONE	SW8260	10	U	UG/L	10
MW423	MW42	ANTIMONY	SW6010	2	U	UG/L	2
MW423	MW42	ARSENIC	SW6010	2	U	UG/L	2
MW423	MW42	BENZENE	SW8260	10	U	UG/L	10
MW423	MW42	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW423	MW42	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW423	MW42	BROMOFORM	SW8260	10	U	UG/L	10
MW423	MW42	BROMOMETHANE	SW8260	10	U	UG/L	10
MW423	MW42	CADMIUM	SW6010	4.4	J	UG/L	0.1
MW423	MW42	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW423	MW42	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW423	MW42	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW423	MW42	CHLOROETHANE	SW8260	10	U	UG/L	10
MW423	MW42	CHLOROFORM	SW8260	10	U	UG/L	10
MW423	MW42	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW423	MW42	CHROMIUM, TOTAL	SW6010	3.6	U	UG/L	0.39
MW423	MW42	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW423	MW42	COPPER	SW6010	3.8	J	UG/L	0.67
MW423	MW42	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW423	MW42	DIBROMOFLUOROMETHANE	SW8260	90		UG/L	0
MW423	MW42	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW423	MW42	LEAD	SW6010	1.8	J	UG/L	0.99
MW423	MW42	MERCURY	SW7470	0.08	U	UG/L	0.08
MW423	MW42	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW423	MW42	NICKEL	SW6010	8.6	U	UG/L	0.27
MW423	MW42	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW423	MW42	SILVER	SW6010	0.39	U	UG/L	0.39
MW423	MW42	STYRENE	SW8260	10	U	UG/L	10
MW423	MW42	TETRACHLOROETHYLENE	SW8260	10	U	UG/L	10
MW423	MW42	THALLIUM	SW6010	3.5	U	UG/L	2.3
MW423	MW42	TOLUENE	SW8260	10	U	UG/L	10
MW423	MW42	TOLUENE-D8	SW8260	97		UG/L	0
MW423	MW42	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW423	MW42	TRICHLOROETHYLENE	SW8260	10	U	UG/L	10
MW423	MW42	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW423	MW42	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW423	MW42	ZINC	SW6010	55	=	UG/L	0.57
MW443	MW44	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW443	MW44	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW443	MW44	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW443	MW44	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW443	MW44	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW443	MW44	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW443	MW44	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW443	MW44	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW443	MW44	1,2-DICHLOROETHENE (TOTAL)	SW8260	2	J	UG/L	10
MW443	MW44	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW443	MW44	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW443	MW44	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW443	MW44	1-BROMO-4-FLUOROBENZENE (4-	SW8260	103		UG/L	0
MW443	MW44	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW443	MW44	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW443	MW44	2,4,6-Tribromophenol - SS	SW8270	75		UG/L	0
MW443	MW44	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW443	MW44	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW443	MW44	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW443	MW44	2,4-DINITROPHENOL	SW8270	25	UJ	UG/L	25

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW443	MW44	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW443	MW44	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW443	MW44	2-BUTANONE	SW8260	10	U	UG/L	10
MW443	MW44	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW443	MW44	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW443	MW44	2-Fluorobiphenyl - SS	SW8270	73		UG/L	0
MW443	MW44	2-Fluorophenol - SS	SW8270	65		UG/L	0
MW443	MW44	2-HEXANONE	SW8260	10	U	UG/L	10
MW443	MW44	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW443	MW44	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW443	MW44	2-NITROANILINE	SW8270	25	U	UG/L	25
MW443	MW44	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW443	MW44	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW443	MW44	3-NITROANILINE	SW8270	25	U	UG/L	25
MW443	MW44	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	UJ	UG/L	25
MW443	MW44	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW443	MW44	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW443	MW44	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW443	MW44	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW443	MW44	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW443	MW44	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW443	MW44	4-NITROANILINE	SW8270	25	U	UG/L	25
MW443	MW44	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW443	MW44	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW443	MW44	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW443	MW44	ACETONE	SW8260	10	U	UG/L	10
MW443	MW44	ALUMINUM	SW6010	3930	J	UG/L	6.8
MW443	MW44	ANTHRACENE	SW8270	10	U	UG/L	10
MW443	MW44	ANTIMONY	SW6010	6.5	U	UG/L	2
MW443	MW44	ARSENIC	SW6010	37.4	=	UG/L	2.1
MW443	MW44	BARIUM	SW6010	66	=	UG/L	0.11
MW443	MW44	BENZENE	SW8260	10	U	UG/L	10
MW443	MW44	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW443	MW44	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW443	MW44	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW443	MW44	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW443	MW44	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW443	MW44	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW443	MW44	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW443	MW44	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW443	MW44	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW443	MW44	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW443	MW44	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW443	MW44	BROMOFORM	SW8260	10	U	UG/L	10
MW443	MW44	BROMOMETHANE	SW8260	10	U	UG/L	10
MW443	MW44	CADMIUM	SW6010	5.7	=	UG/L	0.1

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW443	MW44	CALCIUM	SW6010	22100	=	UG/L	5.9
MW443	MW44	CARBAZOLE	SW8270	10	U	UG/L	10
MW443	MW44	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW443	MW44	CARBON TETRACHLORIDE	SW8260	6	J	UG/L	10
MW443	MW44	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW443	MW44	CHLOROETHANE	SW8260	10	U	UG/L	10
MW443	MW44	CHLOROFORM	SW8260	10	U	UG/L	10
MW443	MW44	CHLOROMETHANE	SW8260	1	J	UG/L	10
MW443	MW44	CHROMIUM, TOTAL	SW6010	5.5	J	UG/L	0.39
MW443	MW44	CHRYSENE	SW8270	10	U	UG/L	10
MW443	MW44	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW443	MW44	COBALT	SW6010	0.66	J	UG/L	0.33
MW443	MW44	COPPER	SW6010	7.2	U	UG/L	0.67
MW443	MW44	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW443	MW44	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW443	MW44	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW443	MW44	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW443	MW44	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW443	MW44	DIBROMOFLUOROMETHANE	SW8260	91		UG/L	0
MW443	MW44	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW443	MW44	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW443	MW44	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW443	MW44	FLUORANTHENE	SW8270	10	U	UG/L	10
MW443	MW44	FLUORENE	SW8270	10	U	UG/L	10
MW443	MW44	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW443	MW44	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW443	MW44	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW443	MW44	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW443	MW44	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW443	MW44	IRON	SW6010	7930	=	UG/L	1.7
MW443	MW44	ISOPHORONE	SW8270	10	U	UG/L	10
MW443	MW44	LEAD	SW6010	2.2	J	UG/L	0.99
MW443	MW44	MAGNESIUM	SW6010	9620	=	UG/L	2.4
MW443	MW44	MANGANESE	SW6010	20	=	UG/L	0.08
MW443	MW44	MERCURY	SW7470	0.1	U	UG/L	0.08
MW443	MW44	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW443	MW44	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW443	MW44	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW443	MW44	NAPHTHALENE	SW8270	10	U	UG/L	10
MW443	MW44	NICKEL	SW6010	4.3	J	UG/L	0.27
MW443	MW44	NITROBENZENE	SW8270	10	U	UG/L	10
MW443	MW44	Nitrobenzene-d5 - SS	SW8270	75		UG/L	0
MW443	MW44	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW443	MW44	PHENANTHRENE	SW8270	10	U	UG/L	10
MW443	MW44	PHENOL	SW8270	10	U	UG/L	10
MW443	MW44	Phenol-d5 - SS	SW8270	70		UG/L	0

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MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW443	MW44	POTASSIUM	SW6010	2500	=	UG/L	715.6
MW443	MW44	PYRENE	SW8270	10	UJ	UG/L	10
MW443	MW44	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW443	MW44	SILVER	SW6010	0.39	U	UG/L	0.39
MW443	MW44	SODIUM	SW6010	18800	J	UG/L	103.7
MW443	MW44	STYRENE	SW8260	10	U	UG/L	10
MW443	MW44	Terphenyl-d14 - SS	SW8270	67		UG/L	0
MW443	MW44	TETRACHLOROETHYLENE	SW8260	10	U	UG/L	10
MW443	MW44	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW443	MW44	TOLUENE	SW8260	10	U	UG/L	10
MW443	MW44	TOLUENE-D8	SW8260	95		UG/L	0
MW443	MW44	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW443	MW44	TRICHLOROETHYLENE	SW8260	5	J	UG/L	10
MW443	MW44	VANADIUM	SW6010	7.3	J	UG/L	0.33
MW443	MW44	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW443	MW44	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW443	MW44	ZINC	SW6010	26.3	J	UG/L	0.57
MW453	MW45	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW453	MW45	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW453	MW45	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW453	MW45	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW453	MW45	1,1-DICHLOROETHENE	SW8260	1	J	UG/L	10
MW453	MW45	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW453	MW45	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW453	MW45	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW453	MW45	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW453	MW45	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW453	MW45	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW453	MW45	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW453	MW45	1-BROMO-4-FLUOROBENZENE (4-	SW8260	106		UG/L	0
MW453	MW45	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW453	MW45	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW453	MW45	2,4,6-Tribromophenol - SS	SW8270	76		UG/L	0
MW453	MW45	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW453	MW45	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW453	MW45	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW453	MW45	2,4-DINITROPHENOL	SW8270	25	UJ	UG/L	25
MW453	MW45	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW453	MW45	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW453	MW45	2-BUTANONE	SW8260	10	U	UG/L	10
MW453	MW45	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW453	MW45	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW453	MW45	2-Fluorobiphenyl - SS	SW8270	75		UG/L	0
MW453	MW45	2-Fluorophenol - SS	SW8270	66		UG/L	0
MW453	MW45	2-HEXANONE	SW8260	10	U	UG/L	10
MW453	MW45	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10

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MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW453	MW45	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW453	MW45	2-NITROANILINE	SW8270	25	U	UG/L	25
MW453	MW45	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW453	MW45	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW453	MW45	3-NITROANILINE	SW8270	25	U	UG/L	25
MW453	MW45	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	UJ	UG/L	25
MW453	MW45	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW453	MW45	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW453	MW45	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW453	MW45	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW453	MW45	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW453	MW45	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW453	MW45	4-NITROANILINE	SW8270	25	U	UG/L	25
MW453	MW45	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW453	MW45	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW453	MW45	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW453	MW45	ACETONE	SW8260	10	U	UG/L	10
MW453	MW45	ALUMINUM	SW6010	234	J	UG/L	6.8
MW453	MW45	ANTHRACENE	SW8270	10	U	UG/L	10
MW453	MW45	ANTIMONY	SW6010	4.8	U	UG/L	2
MW453	MW45	ARSENIC	SW6010	2	U	UG/L	2
MW453	MW45	BARIUM	SW6010	72.4	=	UG/L	0.11
MW453	MW45	BENZENE	SW8260	10	U	UG/L	10
MW453	MW45	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW453	MW45	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW453	MW45	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW453	MW45	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW453	MW45	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW453	MW45	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW453	MW45	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW453	MW45	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW453	MW45	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW453	MW45	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW453	MW45	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW453	MW45	BROMOFORM	SW8260	10	U	UG/L	10
MW453	MW45	BROMOMETHANE	SW8260	10	U	UG/L	10
MW453	MW45	CADMIUM	SW6010	0.22	J	UG/L	0.1
MW453	MW45	CALCIUM	SW6010	28300	=	UG/L	5.9
MW453	MW45	CARBAZOLE	SW8270	10	U	UG/L	10
MW453	MW45	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW453	MW45	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW453	MW45	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW453	MW45	CHLOROETHANE	SW8260	10	U	UG/L	10
MW453	MW45	CHLOROFORM	SW8260	10	U	UG/L	10
MW453	MW45	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW453	MW45	CHROMIUM, TOTAL	SW6010	1.5	U	UG/L	0.39

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MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW453	MW45	CHRYSENE	SW8270	10	U	UG/L	10
MW453	MW45	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW453	MW45	COBALT	SW6010	0.33	U	UG/L	0.33
MW453	MW45	COPPER	SW6010	4.4	U	UG/L	0.67
MW453	MW45	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW453	MW45	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW453	MW45	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW453	MW45	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW453	MW45	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW453	MW45	DIBROMOFLUOROMETHANE	SW8260	93		UG/L	0
MW453	MW45	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW453	MW45	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW453	MW45	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW453	MW45	FLUORANTHENE	SW8270	10	U	UG/L	10
MW453	MW45	FLUORENE	SW8270	10	U	UG/L	10
MW453	MW45	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW453	MW45	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW453	MW45	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW453	MW45	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW453	MW45	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW453	MW45	IRON	SW6010	1380	=	UG/L	1.7
MW453	MW45	ISOPHORONE	SW8270	10	U	UG/L	10
MW453	MW45	LEAD	SW6010	2	J	UG/L	0.99
MW453	MW45	MAGNESIUM	SW6010	14900	=	UG/L	2.4
MW453	MW45	MANGANESE	SW6010	3.1	J	UG/L	0.08
MW453	MW45	MERCURY	SW7470	0.08	U	UG/L	0.08
MW453	MW45	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW453	MW45	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW453	MW45	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW453	MW45	NAPHTHALENE	SW8270	10	U	UG/L	10
MW453	MW45	NICKEL	SW6010	1.3	U	UG/L	0.27
MW453	MW45	NITROBENZENE	SW8270	10	U	UG/L	10
MW453	MW45	Nitrobenzene-d5 - SS	SW8270	81		UG/L	0
MW453	MW45	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW453	MW45	PHENANTHRENE	SW8270	10	U	UG/L	10
MW453	MW45	PHENOL	SW8270	10	U	UG/L	10
MW453	MW45	Phenol-d5 - SS	SW8270	72		UG/L	0
MW453	MW45	POTASSIUM	SW6010	1680	J	UG/L	715.6
MW453	MW45	PYRENE	SW8270	10	UJ	UG/L	10
MW453	MW45	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW453	MW45	SILVER	SW6010	0.39	U	UG/L	0.39
MW453	MW45	SODIUM	SW6010	16600	J	UG/L	103.7
MW453	MW45	STYRENE	SW8260	10	U	UG/L	10
MW453	MW45	Terphenyl-d14 - SS	SW8270	87		UG/L	0
MW453	MW45	TETRACHLOROETHYLENE	SW8260	10	U	UG/L	10
MW453	MW45	THALLIUM	SW6010	2.3	U	UG/L	2.3

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW453	MW45	TOLUENE	SW8260	10	U	UG/L	10
MW453	MW45	TOLUENE-D8	SW8260	97		UG/L	0
MW453	MW45	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW453	MW45	TRICHLOROETHYLENE	SW8260	10	U	UG/L	10
MW453	MW45	VANADIUM	SW6010	1.2	J	UG/L	0.33
MW453	MW45	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW453	MW45	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW453	MW45	ZINC	SW6010	7	UJ	UG/L	0.57
MW463	MW46	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW463	MW46	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW463	MW46	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW463	MW46	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW463	MW46	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW463	MW46	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW463	MW46	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW463	MW46	1,2-DICHLOROETHANE	SW8260	10	UJ	UG/L	10
MW463	MW46	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW463	MW46	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW463	MW46	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW463	MW46	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW463	MW46	1-BROMO-4-FLUOROBENZENE (4-	SW8260	106		UG/L	0
MW463	MW46	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW463	MW46	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW463	MW46	2,4,6-Tribromophenol - SS	SW8270	68		UG/L	0
MW463	MW46	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW463	MW46	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW463	MW46	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW463	MW46	2,4-DINITROPHENOL	SW8270	25	UJ	UG/L	25
MW463	MW46	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW463	MW46	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW463	MW46	2-BUTANONE	SW8260	10	U	UG/L	10
MW463	MW46	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW463	MW46	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW463	MW46	2-Fluorobiphenyl - SS	SW8270	79		UG/L	0
MW463	MW46	2-Fluorophenol - SS	SW8270	64		UG/L	0
MW463	MW46	2-HEXANONE	SW8260	10	U	UG/L	10
MW463	MW46	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW463	MW46	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW463	MW46	2-NITROANILINE	SW8270	25	U	UG/L	25
MW463	MW46	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW463	MW46	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW463	MW46	3-NITROANILINE	SW8270	25	U	UG/L	25
MW463	MW46	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	UJ	UG/L	25
MW463	MW46	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW463	MW46	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW463	MW46	4-CHLOROANILINE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW463	MW46	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW463	MW46	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW463	MW46	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW463	MW46	4-NITROANILINE	SW8270	25	U	UG/L	25
MW463	MW46	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW463	MW46	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW463	MW46	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW463	MW46	ACETONE	SW8260	10	U	UG/L	10
MW463	MW46	ALUMINUM	SW6010	746	J	UG/L	6.8
MW463	MW46	ANTHRACENE	SW8270	10	U	UG/L	10
MW463	MW46	ANTIMONY	SW6010	2	U	UG/L	2
MW463	MW46	ARSENIC	SW6010	2	U	UG/L	2
MW463	MW46	BARIUM	SW6010	62.8	=	UG/L	0.11
MW463	MW46	BENZENE	SW8260	10	U	UG/L	10
MW463	MW46	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW463	MW46	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW463	MW46	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW463	MW46	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW463	MW46	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW463	MW46	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW463	MW46	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW463	MW46	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW463	MW46	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW463	MW46	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW463	MW46	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW463	MW46	BROMOFORM	SW8260	10	U	UG/L	10
MW463	MW46	BROMOMETHANE	SW8260	10	U	UG/L	10
MW463	MW46	CADMIUM	SW6010	0.34	J	UG/L	0.1
MW463	MW46	CALCIUM	SW6010	14500	=	UG/L	5.9
MW463	MW46	CARBAZOLE	SW8270	10	U	UG/L	10
MW463	MW46	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW463	MW46	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW463	MW46	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW463	MW46	CHLOROETHANE	SW8260	10	U	UG/L	10
MW463	MW46	CHLOROFORM	SW8260	10	U	UG/L	10
MW463	MW46	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW463	MW46	CHROMIUM, TOTAL	SW6010	4	U	UG/L	0.39
MW463	MW46	CHRYSENE	SW8270	10	U	UG/L	10
MW463	MW46	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW463	MW46	COBALT	SW6010	0.54	U	UG/L	0.33
MW463	MW46	COPPER	SW6010	2.4	U	UG/L	0.67
MW463	MW46	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW463	MW46	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW463	MW46	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW463	MW46	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW463	MW46	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW463	MW46	DIBROMOFLUOROMETHANE	SW8260	93		UG/L	0
MW463	MW46	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW463	MW46	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW463	MW46	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW463	MW46	FLUORANTHENE	SW8270	10	U	UG/L	10
MW463	MW46	FLUORENE	SW8270	10	U	UG/L	10
MW463	MW46	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW463	MW46	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW463	MW46	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW463	MW46	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW463	MW46	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW463	MW46	IRON	SW6010	2620	=	UG/L	1.7
MW463	MW46	ISOPHORONE	SW8270	10	U	UG/L	10
MW463	MW46	LEAD	SW6010	0.99	U	UG/L	0.99
MW463	MW46	MAGNESIUM	SW6010	6990	=	UG/L	2.4
MW463	MW46	MANGANESE	SW6010	10.6	=	UG/L	0.08
MW463	MW46	MERCURY	SW7470	0.08	U	UG/L	0.08
MW463	MW46	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW463	MW46	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW463	MW46	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW463	MW46	NAPHTHALENE	SW8270	10	U	UG/L	10
MW463	MW46	NICKEL	SW6010	1.3	U	UG/L	0.27
MW463	MW46	NITROBENZENE	SW8270	10	U	UG/L	10
MW463	MW46	Nitrobenzene-d5 - SS	SW8270	86		UG/L	0
MW463	MW46	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW463	MW46	PHENANTHRENE	SW8270	10	U	UG/L	10
MW463	MW46	PHENOL	SW8270	10	U	UG/L	10
MW463	MW46	Phenol-d5 - SS	SW8270	76		UG/L	0
MW463	MW46	POTASSIUM	SW6010	839	U	UG/L	839
MW463	MW46	PYRENE	SW8270	10	UJ	UG/L	10
MW463	MW46	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW463	MW46	SILVER	SW6010	0.39	U	UG/L	0.39
MW463	MW46	SODIUM	SW6010	22000	J	UG/L	103.7
MW463	MW46	STYRENE	SW8260	10	U	UG/L	10
MW463	MW46	Terphenyl-d14 - SS	SW8270	70		UG/L	0
MW463	MW46	TETRACHLOROETHYLENE	SW8260	10	U	UG/L	10
MW463	MW46	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW463	MW46	TOLUENE	SW8260	10	U	UG/L	10
MW463	MW46	TOLUENE-D8	SW8260	102		UG/L	0
MW463	MW46	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW463	MW46	TRICHLOROETHYLENE	SW8260	10	U	UG/L	10
MW463	MW46	VANADIUM	SW6010	2.5	J	UG/L	0.33
MW463	MW46	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW463	MW46	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW463	MW46	ZINC	SW6010	7.4	UJ	UG/L	0.57
MW473	MW47	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW473	MW47	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW473	MW47	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW473	MW47	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW473	MW47	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW473	MW47	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW473	MW47	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW473	MW47	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW473	MW47	1,2-DICHLOROETHENE (TOTAL)	SW8260	6	J	UG/L	10
MW473	MW47	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW473	MW47	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW473	MW47	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW473	MW47	1-BROMO-4-FLUOROBENZENE (4-	SW8260	109		UG/L	0
MW473	MW47	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW473	MW47	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW473	MW47	2,4,6-Tribromophenol - SS	SW8270	86		UG/L	0
MW473	MW47	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW473	MW47	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW473	MW47	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW473	MW47	2,4-DINITROPHENOL	SW8270	25	U	UG/L	25
MW473	MW47	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW473	MW47	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW473	MW47	2-BUTANONE	SW8260	10	U	UG/L	10
MW473	MW47	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW473	MW47	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW473	MW47	2-Fluorobiphenyl - SS	SW8270	79		UG/L	0
MW473	MW47	2-Fluorophenol - SS	SW8270	82		UG/L	0
MW473	MW47	2-HEXANONE	SW8260	10	U	UG/L	10
MW473	MW47	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW473	MW47	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW473	MW47	2-NITROANILINE	SW8270	25	U	UG/L	25
MW473	MW47	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW473	MW47	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW473	MW47	3-NITROANILINE	SW8270	25	U	UG/L	25
MW473	MW47	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	U	UG/L	25
MW473	MW47	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW473	MW47	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW473	MW47	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW473	MW47	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW473	MW47	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW473	MW47	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW473	MW47	4-NITROANILINE	SW8270	25	U	UG/L	25
MW473	MW47	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW473	MW47	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW473	MW47	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW473	MW47	ACETONE	SW8260	10	U	UG/L	10
MW473	MW47	ALUMINUM	SW6010	4780	J	UG/L	6.8

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW473	MW47	Ammonia-Nitrogen	E350.2	0.2	U	MG/L	0.2
MW473	MW47	ANTHRACENE	SW8270	10	U	UG/L	10
MW473	MW47	ANTIMONY	SW6010	3.6	U	UG/L	2
MW473	MW47	ARSENIC	SW6010	2	U	UG/L	2
MW473	MW47	BARIUM	SW6010	124	J	UG/L	0.11
MW473	MW47	BENZENE	SW8260	10	U	UG/L	10
MW473	MW47	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW473	MW47	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW473	MW47	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW473	MW47	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW473	MW47	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW473	MW47	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW473	MW47	BERYLLIUM	SW6010	0.27	U	UG/L	0.09
MW473	MW47	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW473	MW47	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW473	MW47	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW473	MW47	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW473	MW47	BROMOFORM	SW8260	10	U	UG/L	10
MW473	MW47	BROMOMETHANE	SW8260	10	U	UG/L	10
MW473	MW47	CADMIUM	SW6010	2.5	J	UG/L	0.1
MW473	MW47	CALCIUM	SW6010	27100	=	UG/L	5.9
MW473	MW47	CARBAZOLE	SW8270	10	U	UG/L	10
MW473	MW47	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW473	MW47	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW473	MW47	Chloride	E325.1	28.6	=	MG/L	2
MW473	MW47	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW473	MW47	CHLOROETHANE	SW8260	10	U	UG/L	10
MW473	MW47	CHLOROFORM	SW8260	10	U	UG/L	10
MW473	MW47	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW473	MW47	CHROMIUM, TOTAL	SW6010	68.6	=	UG/L	0.39
MW473	MW47	CHRYSENE	SW8270	10	U	UG/L	10
MW473	MW47	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW473	MW47	COBALT	SW6010	2.7	J	UG/L	0.33
MW473	MW47	COPPER	SW6010	9.6	J	UG/L	0.67
MW473	MW47	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW473	MW47	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW473	MW47	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW473	MW47	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW473	MW47	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW473	MW47	DIBROMOFLUOROMETHANE	SW8260	96		UG/L	0
MW473	MW47	DIETHYL PHTHALATE	SW8270	1	J	UG/L	10
MW473	MW47	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW473	MW47	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW473	MW47	FLUORANTHENE	SW8270	10	U	UG/L	10
MW473	MW47	FLUORENE	SW8270	10	U	UG/L	10
MW473	MW47	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW473	MW47	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW473	MW47	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW473	MW47	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW473	MW47	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW473	MW47	IRON	SW6010	20200	=	UG/L	1.7
MW473	MW47	ISOPHORONE	SW8270	10	U	UG/L	10
MW473	MW47	LEAD	SW6010	4.8	=	UG/L	0.99
MW473	MW47	MAGNESIUM	SW6010	14100	=	UG/L	2.4
MW473	MW47	MANGANESE	SW6010	89.5	=	UG/L	0.08
MW473	MW47	MERCURY	SW7470	0.22	U	UG/L	0.06
MW473	MW47	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW473	MW47	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW473	MW47	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW473	MW47	NAPHTHALENE	SW8270	10	U	UG/L	10
MW473	MW47	NICKEL	SW6010	7.1	J	UG/L	0.27
MW473	MW47	Nitrate/Nitrite-N, Automated	E353.2	5.81	=	MG/L	0.25
MW473	MW47	NITROBENZENE	SW8270	10	U	UG/L	10
MW473	MW47	Nitrobenzene-d5 - SS	SW8270	87		UG/L	0
MW473	MW47	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW473	MW47	PHENANTHRENE	SW8270	10	U	UG/L	10
MW473	MW47	PHENOL	SW8270	10	U	UG/L	10
MW473	MW47	Phenol-d5 - SS	SW8270	81		UG/L	0
MW473	MW47	POTASSIUM	SW6010	3820	J	UG/L	715.6
MW473	MW47	PYRENE	SW8270	10	U	UG/L	10
MW473	MW47	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW473	MW47	SILVER	SW6010	0.39	U	UG/L	0.39
MW473	MW47	SODIUM	SW6010	23700	J	UG/L	103.7
MW473	MW47	STYRENE	SW8260	10	U	UG/L	10
MW473	MW47	Sulfate	E375.4	22.1	=	MG/L	2
MW473	MW47	Terphenyl-d14 - SS	SW8270	87		UG/L	0
MW473	MW47	TETRACHLOROETHYLENE	SW8260	14	=	UG/L	10
MW473	MW47	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW473	MW47	TOLUENE	SW8260	10	U	UG/L	10
MW473	MW47	TOLUENE-D8	SW8260	99		UG/L	0
MW473	MW47	Total Organic Carbon (Soil/Water)	E415.2	1.7	=	MG/L	1
MW473	MW47	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW473	MW47	TRICHLOROETHYLENE	SW8260	6	J	UG/L	10
MW473	MW47	VANADIUM	SW6010	19.6	J	UG/L	0.33
MW473	MW47	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW473	MW47	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW473	MW47	ZINC	SW6010	16.7	UJ	UG/L	0.57
MW483	MW48	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW483	MW48	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW483	MW48	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW483	MW48	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW483	MW48	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW483	MW48	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW483	MW48	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW483	MW48	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW483	MW48	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW483	MW48	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW483	MW48	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW483	MW48	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW483	MW48	1-BROMO-4-FLUOROBENZENE (4-	SW8260	105		UG/L	0
MW483	MW48	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW483	MW48	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW483	MW48	2,4,6-Tribromophenol - SS	SW8270	62		UG/L	0
MW483	MW48	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW483	MW48	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW483	MW48	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW483	MW48	2,4-DINITROPHENOL	SW8270	25	UJ	UG/L	25
MW483	MW48	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW483	MW48	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW483	MW48	2-BUTANONE	SW8260	10	U	UG/L	10
MW483	MW48	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW483	MW48	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW483	MW48	2-Fluorobiphenyl - SS	SW8270	67		UG/L	0
MW483	MW48	2-Fluorophenol - SS	SW8270	59		UG/L	0
MW483	MW48	2-HEXANONE	SW8260	10	U	UG/L	10
MW483	MW48	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW483	MW48	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW483	MW48	2-NITROANILINE	SW8270	25	U	UG/L	25
MW483	MW48	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW483	MW48	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW483	MW48	3-NITROANILINE	SW8270	25	U	UG/L	25
MW483	MW48	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	UJ	UG/L	25
MW483	MW48	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW483	MW48	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW483	MW48	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW483	MW48	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW483	MW48	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW483	MW48	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW483	MW48	4-NITROANILINE	SW8270	25	U	UG/L	25
MW483	MW48	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW483	MW48	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW483	MW48	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW483	MW48	ACETONE	SW8260	10	U	UG/L	10
MW483	MW48	ALUMINUM	SW6010	116	J	UG/L	6.8
MW483	MW48	Ammonia-Nitrogen	E350.2	0.2	U	MG/L	0.2
MW483	MW48	ANTHRACENE	SW8270	10	U	UG/L	10
MW483	MW48	ANTIMONY	SW6010	4.8	U	UG/L	2
MW483	MW48	ARSENIC	SW6010	2	U	UG/L	2

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW483	MW48	BARIUM	SW6010	89	=	UG/L	0.11
MW483	MW48	BENZENE	SW8260	10	U	UG/L	10
MW483	MW48	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW483	MW48	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW483	MW48	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW483	MW48	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW483	MW48	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW483	MW48	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW483	MW48	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW483	MW48	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW483	MW48	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW483	MW48	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW483	MW48	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW483	MW48	BROMOFORM	SW8260	10	U	UG/L	10
MW483	MW48	BROMOMETHANE	SW8260	10	U	UG/L	10
MW483	MW48	CADMIUM	SW6010	0.1	U	UG/L	0.1
MW483	MW48	CALCIUM	SW6010	15900	=	UG/L	5.9
MW483	MW48	CARBAZOLE	SW8270	10	U	UG/L	10
MW483	MW48	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW483	MW48	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW483	MW48	Chloride	E325.1	14.4	=	MG/L	1
MW483	MW48	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW483	MW48	CHLOROETHANE	SW8260	10	U	UG/L	10
MW483	MW48	CHLOROFORM	SW8260	10	U	UG/L	10
MW483	MW48	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW483	MW48	CHROMIUM, TOTAL	SW6010	3	J	UG/L	0.39
MW483	MW48	CHRYSENE	SW8270	10	U	UG/L	10
MW483	MW48	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW483	MW48	COBALT	SW6010	0.33	U	UG/L	0.33
MW483	MW48	COPPER	SW6010	5	U	UG/L	0.67
MW483	MW48	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW483	MW48	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW483	MW48	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW483	MW48	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW483	MW48	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW483	MW48	DIBROMOFLUOROMETHANE	SW8260	94		UG/L	0
MW483	MW48	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW483	MW48	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW483	MW48	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW483	MW48	FLUORANTHENE	SW8270	10	U	UG/L	10
MW483	MW48	FLUORENE	SW8270	10	U	UG/L	10
MW483	MW48	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW483	MW48	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW483	MW48	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW483	MW48	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW483	MW48	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW483	MW48	IRON	SW6010	301	=	UG/L	1.7
MW483	MW48	ISOPHORONE	SW8270	10	U	UG/L	10
MW483	MW48	LEAD	SW6010	1.3	J	UG/L	0.99
MW483	MW48	MAGNESIUM	SW6010	8190	=	UG/L	2.4
MW483	MW48	MANGANESE	SW6010	3.1	J	UG/L	0.08
MW483	MW48	MERCURY	SW7470	0.08	U	UG/L	0.08
MW483	MW48	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW483	MW48	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW483	MW48	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW483	MW48	NAPHTHALENE	SW8270	10	U	UG/L	10
MW483	MW48	NICKEL	SW6010	3.1	J	UG/L	0.27
MW483	MW48	Nitrate/Nitrite-N, Automated	E353.2	7.28	=	MG/L	0.25
MW483	MW48	NITROBENZENE	SW8270	10	U	UG/L	10
MW483	MW48	Nitrobenzene-d5 - SS	SW8270	70		UG/L	0
MW483	MW48	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW483	MW48	PHENANTHRENE	SW8270	10	U	UG/L	10
MW483	MW48	PHENOL	SW8270	10	U	UG/L	10
MW483	MW48	Phenol-d5 - SS	SW8270	65		UG/L	0
MW483	MW48	POTASSIUM	SW6010	1030	J	UG/L	715.0
MW483	MW48	PYRENE	SW8270	10	UJ	UG/L	10
MW483	MW48	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW483	MW48	SILVER	SW6010	0.39	U	UG/L	0.39
MW483	MW48	SODIUM	SW6010	21500	J	UG/L	103.7
MW483	MW48	STYRENE	SW8260	10	U	UG/L	10
MW483	MW48	Sulfate	E375.4	13.1	=	MG/L	2
MW483	MW48	Terphenyl-d14 - SS	SW8270	67		UG/L	0
MW483	MW48	TETRACHLOROETHYLENE	SW8260	10	U	UG/L	10
MW483	MW48	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW483	MW48	TOLUENE	SW8260	10	U	UG/L	10
MW483	MW48	TOLUENE-D8	SW8260	99		UG/L	0
MW483	MW48	Total Organic Carbon (Soil/Water)	E415.2	5.7	=	MG/L	1
MW483	MW48	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW483	MW48	TRICHLOROETHYLENE	SW8260	10	U	UG/L	10
MW483	MW48	VANADIUM	SW6010	0.35	J	UG/L	0.33
MW483	MW48	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW483	MW48	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW483	MW48	ZINC	SW6010	7.3	UJ	UG/L	0.57
MW493	MW49	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW493	MW49	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW493	MW49	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW493	MW49	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW493	MW49	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW493	MW49	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW493	MW49	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW493	MW49	1,2-DICHLOROETHANE	SW8260	10	UJ	UG/L	10
MW493	MW49	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW493	MW49	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW493	MW49	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW493	MW49	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW493	MW49	1-BROMO-4-FLUOROBENZENE (4-	SW8260	102		UG/L	0
MW493	MW49	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW493	MW49	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW493	MW49	2,4,6-Tribromophenol - SS	SW8270	71		UG/L	0
MW493	MW49	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW493	MW49	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW493	MW49	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW493	MW49	2,4-DINITROPHENOL	SW8270	25	UJ	UG/L	25
MW493	MW49	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW493	MW49	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW493	MW49	2-BUTANONE	SW8260	10	U	UG/L	10
MW493	MW49	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW493	MW49	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW493	MW49	2-Fluorobiphenyl - SS	SW8270	74		UG/L	0
MW493	MW49	2-Fluorophenol - SS	SW8270	62		UG/L	0
MW493	MW49	2-HEXANONE	SW8260	10	U	UG/L	10
MW493	MW49	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW493	MW49	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW493	MW49	2-NITROANILINE	SW8270	25	U	UG/L	25
MW493	MW49	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW493	MW49	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW493	MW49	3-NITROANILINE	SW8270	25	U	UG/L	25
MW493	MW49	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	UJ	UG/L	25
MW493	MW49	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW493	MW49	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW493	MW49	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW493	MW49	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW493	MW49	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW493	MW49	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW493	MW49	4-NITROANILINE	SW8270	25	U	UG/L	25
MW493	MW49	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW493	MW49	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW493	MW49	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW493	MW49	ACETONE	SW8260	10	U	UG/L	10
MW493	MW49	ALUMINUM	SW6010	3620	J	UG/L	6.8
MW493	MW49	ANTHRACENE	SW8270	10	U	UG/L	10
MW493	MW49	ANTIMONY	SW6010	2.6	U	UG/L	2
MW493	MW49	ARSENIC	SW6010	2	U	UG/L	2
MW493	MW49	BARIUM	SW6010	43.2	=	UG/L	0.11
MW493	MW49	BENZENE	SW8260	10	U	UG/L	10
MW493	MW49	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW493	MW49	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW493	MW49	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW493	MW49	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW493	MW49	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW493	MW49	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW493	MW49	BERYLLIUM	SW6010	0.19	U	UG/L	0.09
MW493	MW49	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW493	MW49	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW493	MW49	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW493	MW49	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW493	MW49	BROMOFORM	SW8260	10	U	UG/L	10
MW493	MW49	BROMOMETHANE	SW8260	10	U	UG/L	10
MW493	MW49	CADMIUM	SW6010	0.95	J	UG/L	0.1
MW493	MW49	CALCIUM	SW6010	13100	=	UG/L	5.9
MW493	MW49	CARBAZOLE	SW8270	10	U	UG/L	10
MW493	MW49	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW493	MW49	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW493	MW49	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW493	MW49	CHLOROETHANE	SW8260	10	U	UG/L	10
MW493	MW49	CHLOROFORM	SW8260	10	U	UG/L	10
MW493	MW49	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW493	MW49	CHROMIUM, TOTAL	SW6010	17.2	=	UG/L	0.39
MW493	MW49	CHRYSENE	SW8270	10	U	UG/L	10
MW493	MW49	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW493	MW49	COBALT	SW6010	1.8	U	UG/L	0.33
MW493	MW49	COPPER	SW6010	4.7	U	UG/L	0.67
MW493	MW49	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW493	MW49	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW493	MW49	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW493	MW49	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW493	MW49	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW493	MW49	DIBROMOFLUOROMETHANE	SW8260	86		UG/L	0
MW493	MW49	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW493	MW49	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW493	MW49	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW493	MW49	FLUORANTHENE	SW8270	10	U	UG/L	10
MW493	MW49	FLUORENE	SW8270	10	U	UG/L	10
MW493	MW49	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW493	MW49	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW493	MW49	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW493	MW49	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW493	MW49	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW493	MW49	IRON	SW6010	9840	=	UG/L	1.7
MW493	MW49	ISOPHORONE	SW8270	10	U	UG/L	10
MW493	MW49	LEAD	SW6010	2.4	J	UG/L	0.99
MW493	MW49	MAGNESIUM	SW6010	6060	=	UG/L	2.4
MW493	MW49	MANGANESE	SW6010	29.4	=	UG/L	0.08
MW493	MW49	MERCURY	SW7470	0.08	U	UG/L	0.08

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW493	MW49	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW493	MW49	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW493	MW49	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW493	MW49	NAPHTHALENE	SW8270	10	U	UG/L	10
MW493	MW49	NICKEL	SW6010	4.2	J	UG/L	0.27
MW493	MW49	NITROBENZENE	SW8270	10	U	UG/L	10
MW493	MW49	Nitrobenzene-d5 - SS	SW8270	85		UG/L	0
MW493	MW49	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW493	MW49	PHENANTHRENE	SW8270	10	U	UG/L	10
MW493	MW49	PHENOL	SW8270	10	U	UG/L	10
MW493	MW49	Phenol-d5 - SS	SW8270	77		UG/L	0
MW493	MW49	POTASSIUM	SW6010	2020	=	UG/L	839.3
MW493	MW49	PYRENE	SW8270	10	UJ	UG/L	10
MW493	MW49	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW493	MW49	SILVER	SW6010	0.39	U	UG/L	0.39
MW493	MW49	SODIUM	SW6010	11400	J	UG/L	103.7
MW493	MW49	STYRENE	SW8260	10	U	UG/L	10
MW493	MW49	Terphenyl-d14 - SS	SW8270	72		UG/L	0
MW493	MW49	TETRACHLOROETHYLENE	SW8260	10	U	UG/L	10
MW493	MW49	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW493	MW49	TOLUENE	SW8260	10	U	UG/L	10
MW493	MW49	TOLUENE-D8	SW8260	97		UG/L	0
MW493	MW49	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW493	MW49	TRICHLOROETHYLENE	SW8260	10	U	UG/L	10
MW493	MW49	VANADIUM	SW6010	14	=	UG/L	0.33
MW493	MW49	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW493	MW49	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW493	MW49	ZINC	SW6010	12.4	UJ	UG/L	0.57
MW503	MW50	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW503	MW50	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW503	MW50	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW503	MW50	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW503	MW50	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW503	MW50	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW503	MW50	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW503	MW50	1,2-DICHLOROETHANE	SW8260	10	UJ	UG/L	10
MW503	MW50	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW503	MW50	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW503	MW50	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW503	MW50	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW503	MW50	1-BROMO-4-FLUOROBENZENE (4-	SW8260	101		UG/L	0
MW503	MW50	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW503	MW50	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW503	MW50	2,4,6-Tribromophenol - SS	SW8270	65		UG/L	0
MW503	MW50	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW503	MW50	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier.	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW503	MW50	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW503	MW50	2,4-DINITROPHENOL	SW8270	25	UJ	UG/L	25
MW503	MW50	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW503	MW50	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW503	MW50	2-BUTANONE	SW8260	10	U	UG/L	10
MW503	MW50	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW503	MW50	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW503	MW50	2-Fluorobiphenyl - SS	SW8270	54		UG/L	0
MW503	MW50	2-Fluorophenol - SS	SW8270	43		UG/L	0
MW503	MW50	2-HEXANONE	SW8260	10	U	UG/L	10
MW503	MW50	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW503	MW50	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW503	MW50	2-NITROANILINE	SW8270	25	U	UG/L	25
MW503	MW50	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW503	MW50	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW503	MW50	3-NITROANILINE	SW8270	25	U	UG/L	25
MW503	MW50	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	UJ	UG/L	25
MW503	MW50	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW503	MW50	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW503	MW50	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW503	MW50	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW503	MW50	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW503	MW50	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW503	MW50	4-NITROANILINE	SW8270	25	U	UG/L	25
MW503	MW50	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW503	MW50	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW503	MW50	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW503	MW50	ACETONE	SW8260	10	U	UG/L	10
MW503	MW50	ALUMINUM	SW6010	675	J	UG/L	6.8
MW503	MW50	ANTHRACENE	SW8270	10	U	UG/L	10
MW503	MW50	ANTIMONY	SW6010	2	U	UG/L	2
MW503	MW50	ARSENIC	SW6010	2	U	UG/L	2
MW503	MW50	BARIUM	SW6010	152	=	UG/L	0.11
MW503	MW50	BENZENE	SW8260	10	U	UG/L	10
MW503	MW50	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW503	MW50	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW503	MW50	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW503	MW50	BENZO(g,h,i)PERYLENE	SW8270	1	J	UG/L	10
MW503	MW50	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW503	MW50	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW503	MW50	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW503	MW50	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW503	MW50	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	UJ	UG/L	10
MW503	MW50	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW503	MW50	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW503	MW50	BROMOFORM	SW8260	10	U	UG/L	10

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MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW503	MW50	BROMOMETHANE	SW8260	10	U	UG/L	10
MW503	MW50	CADMIUM	SW6010	3.3	J	UG/L	0.1
MW503	MW50	CALCIUM	SW6010	32300	=	UG/L	5.9
MW503	MW50	CARBAZOLE	SW8270	10	U	UG/L	10
MW503	MW50	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW503	MW50	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW503	MW50	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW503	MW50	CHLOROETHANE	SW8260	10	U	UG/L	10
MW503	MW50	CHLOROFORM	SW8260	10	U	UG/L	10
MW503	MW50	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW503	MW50	CHROMIUM, TOTAL	SW6010	3.8	U	UG/L	0.39
MW503	MW50	CHRYSENE	SW8270	10	U	UG/L	10
MW503	MW50	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW503	MW50	COBALT	SW6010	0.9	U	UG/L	0.33
MW503	MW50	COPPER	SW6010	4.4	U	UG/L	0.67
MW503	MW50	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW503	MW50	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW503	MW50	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW503	MW50	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW503	MW50	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW503	MW50	DIBROMOFLUOROMETHANE	SW8260	88		UG/L	0
MW503	MW50	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW503	MW50	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW503	MW50	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW503	MW50	FLUORANTHENE	SW8270	10	U	UG/L	10
MW503	MW50	FLUORENE	SW8270	10	U	UG/L	10
MW503	MW50	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW503	MW50	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW503	MW50	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW503	MW50	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW503	MW50	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW503	MW50	IRON	SW6010	2500	=	UG/L	1.7
MW503	MW50	ISOPHORONE	SW8270	10	U	UG/L	10
MW503	MW50	LEAD	SW6010	1	J	UG/L	0.99
MW503	MW50	MAGNESIUM	SW6010	11600	=	UG/L	2.4
MW503	MW50	MANGANESE	SW6010	17.2	=	UG/L	0.08
MW503	MW50	MERCURY	SW7470	0.08	U	UG/L	0.08
MW503	MW50	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW503	MW50	N-NITROSODI-n-PROPYLAMINE	SW8270	10	UJ	UG/L	10
MW503	MW50	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW503	MW50	NAPHTHALENE	SW8270	10	U	UG/L	10
MW503	MW50	NICKEL	SW6010	2.4	U	UG/L	0.27
MW503	MW50	NITROBENZENE	SW8270	10	U	UG/L	10
MW503	MW50	Nitrobenzene-d5 - SS	SW8270	63		UG/L	0
MW503	MW50	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW503	MW50	PHENANTHRENE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW503	MW50	PHENOL	SW8270	10	U	UG/L	10
MW503	MW50	Phenol-d5 - SS	SW8270	32		UG/L	0
MW503	MW50	POTASSIUM	SW6010	2020	=	UG/L	839.3
MW503	MW50	PYRENE	SW8270	10	UJ	UG/L	10
MW503	MW50	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW503	MW50	SILVER	SW6010	0.39	U	UG/L	0.39
MW503	MW50	SODIUM	SW6010	33200	J	UG/L	103.7
MW503	MW50	STYRENE	SW8260	10	U	UG/L	10
MW503	MW50	Terphenyl-d14 - SS	SW8270	63		UG/L	0
MW503	MW50	TETRACHLOROETHYLENE	SW8260	10	U	UG/L	10
MW503	MW50	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW503	MW50	TOLUENE	SW8260	10	U	UG/L	10
MW503	MW50	TOLUENE-D8	SW8260	99		UG/L	0
MW503	MW50	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW503	MW50	TRICHLOROETHYLENE	SW8260	10	U	UG/L	10
MW503	MW50	VANADIUM	SW6010	2.8	J	UG/L	0.33
MW503	MW50	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW503	MW50	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW503	MW50	ZINC	SW6010	9.7	UJ	UG/L	0.57
MW513	MW51	1,1,1-TRICHLOROETHANE	SW8260	2	J	UG/L	10
MW513	MW51	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW513	MW51	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW513	MW51	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW513	MW51	1,1-DICHLOROETHENE	SW8260	23	=	UG/L	10
MW513	MW51	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW513	MW51	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW513	MW51	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW513	MW51	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW513	MW51	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW513	MW51	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW513	MW51	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW513	MW51	1-BROMO-4-FLUOROBENZENE (4-	SW8260	111		UG/L	0
MW513	MW51	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW513	MW51	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW513	MW51	2,4,6-Tribromophenol - SS	SW8270	10		UG/L	0
MW513	MW51	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW513	MW51	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW513	MW51	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW513	MW51	2,4-DINITROPHENOL	SW8270	25	U	UG/L	25
MW513	MW51	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW513	MW51	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW513	MW51	2-BUTANONE	SW8260	10	U	UG/L	10
MW513	MW51	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW513	MW51	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW513	MW51	2-Fluorobiphenyl - SS	SW8270	66		UG/L	0
MW513	MW51	2-Fluorophenol - SS	SW8270	42		UG/L	0

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW513	MW51	2-HEXANONE	SW8260	10	U	UG/L	10
MW513	MW51	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW513	MW51	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW513	MW51	2-NITROANILINE	SW8270	25	U	UG/L	25
MW513	MW51	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW513	MW51	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW513	MW51	3-NITROANILINE	SW8270	25	U	UG/L	25
MW513	MW51	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	U	UG/L	25
MW513	MW51	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW513	MW51	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW513	MW51	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW513	MW51	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW513	MW51	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW513	MW51	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW513	MW51	4-NITROANILINE	SW8270	25	U	UG/L	25
MW513	MW51	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW513	MW51	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW513	MW51	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW513	MW51	ACETONE	SW8260	10	U	UG/L	10
MW513	MW51	ALUMINUM	SW6010	4750	=	UG/L	6.8
MW513	MW51	ANTHRACENE	SW8270	10	U	UG/L	10
MW513	MW51	ANTIMONY	SW6010	2	U	UG/L	2
MW513	MW51	ARSENIC	SW6010	2	U	UG/L	2
MW513	MW51	BARIUM	SW6010	99.7	J	UG/L	0.11
MW513	MW51	BENZENE	SW8260	10	U	UG/L	10
MW513	MW51	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW513	MW51	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW513	MW51	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW513	MW51	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW513	MW51	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW513	MW51	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW513	MW51	BERYLLIUM	SW6010	0.25	U	UG/L	0.09
MW513	MW51	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW513	MW51	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW513	MW51	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW513	MW51	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW513	MW51	BROMOFORM	SW8260	10	U	UG/L	10
MW513	MW51	BROMOMETHANE	SW8260	10	U	UG/L	10
MW513	MW51	CADMIUM	SW6010	0.87	J	UG/L	0.1
MW513	MW51	CALCIUM	SW6010	22300	=	UG/L	5.9
MW513	MW51	CARBAZOLE	SW8270	10	U	UG/L	10
MW513	MW51	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW513	MW51	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW513	MW51	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW513	MW51	CHLOROETHANE	SW8260	10	U	UG/L	10
MW513	MW51	CHLOROFORM	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MWD23	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW513	MW51	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW513	MW51	CHROMIUM, TOTAL	SW6010	15.3	U	UG/L	0.39
MW513	MW51	CHRYSENE	SW8270	10	U	UG/L	10
MW513	MW51	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW513	MW51	COBALT	SW6010	1.4	U	UG/L	0.33
MW513	MW51	COPPER	SW6010	0.67	U	UG/L	0.67
MW513	MW51	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW513	MW51	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW513	MW51	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW513	MW51	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW513	MW51	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW513	MW51	DIBROMOFLUOROMETHANE	SW8260	89		UG/L	0
MW513	MW51	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW513	MW51	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW513	MW51	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW513	MW51	FLUORANTHENE	SW8270	10	U	UG/L	10
MW513	MW51	FLUORENE	SW8270	10	U	UG/L	10
MW513	MW51	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW513	MW51	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW513	MW51	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW513	MW51	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW513	MW51	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW513	MW51	IRON	SW6010	14500	=	UG/L	1.7
MW513	MW51	ISOPHORONE	SW8270	10	U	UG/L	10
MW513	MW51	LEAD	SW6010	1.1	J	UG/L	0.99
MW513	MW51	MAGNESIUM	SW6010	10600	=	UG/L	2.4
MW513	MW51	MANGANESE	SW6010	31.7	=	UG/L	0.08
MW513	MW51	MERCURY	SW7470	0.08	U	UG/L	0.08
MW513	MW51	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW513	MW51	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW513	MW51	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW513	MW51	NAPHTHALENE	SW8270	10	U	UG/L	10
MW513	MW51	NICKEL	SW6010	3.6	U	UG/L	0.27
MW513	MW51	NITROBENZENE	SW8270	10	U	UG/L	10
MW513	MW51	Nitrobenzene-d5 - SS	SW8270	72		UG/L	0
MW513	MW51	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW513	MW51	PHENANTHRENE	SW8270	10	U	UG/L	10
MW513	MW51	PHENOL	SW8270	10	U	UG/L	10
MW513	MW51	Phenol-d5 - SS	SW8270	44		UG/L	0
MW513	MW51	POTASSIUM	SW6010	2680	J	UG/L	715.6
MW513	MW51	PYRENE	SW8270	10	U	UG/L	10
MW513	MW51	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW513	MW51	SILVER	SW6010	0.39	U	UG/L	0.39
MW513	MW51	SODIUM	SW6010	16400	=	UG/L	103.7
MW513	MW51	STYRENE	SW8260	10	U	UG/L	10
MW513	MW51	Terphenyl-d14 - SS	SW8270	61		UG/L	0

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier.	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW513	MW51	TETRACHLOROETHYLENE	SW8260	4	J	UG/L	10
MW513	MW51	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW513	MW51	TOLUENE	SW8260	10	U	UG/L	10
MW513	MW51	TOLUENE-D8	SW8260	94		UG/L	0
MW513	MW51	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW513	MW51	TRICHLOROETHYLENE	SW8260	13	=	UG/L	10
MW513	MW51	VANADIUM	SW6010	16.9	J	UG/L	0.33
MW513	MW51	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW513	MW51	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW513	MW51	ZINC	SW6010	10.9	U	UG/L	0.57
MW523	MW52	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW523	MW52	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW523	MW52	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW523	MW52	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW523	MW52	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW523	MW52	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW523	MW52	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW523	MW52	1,2-DICHLOROETHANE	SW8260	10	UJ	UG/L	10
MW523	MW52	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW523	MW52	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW523	MW52	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW523	MW52	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW523	MW52	1-BROMO-4-FLUOROBENZENE (4-	SW8260	104		UG/L	0
MW523	MW52	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW523	MW52	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW523	MW52	2,4,6-Tribromophenol - SS	SW8270	72		UG/L	0
MW523	MW52	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW523	MW52	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW523	MW52	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW523	MW52	2,4-DINITROPHENOL	SW8270	25	UJ	UG/L	25
MW523	MW52	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW523	MW52	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW523	MW52	2-BUTANONE	SW8260	10	U	UG/L	10
MW523	MW52	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW523	MW52	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW523	MW52	2-Fluorobiphenyl - SS	SW8270	71		UG/L	0
MW523	MW52	2-Fluorophenol - SS	SW8270	61		UG/L	0
MW523	MW52	2-HEXANONE	SW8260	10	U	UG/L	10
MW523	MW52	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW523	MW52	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW523	MW52	2-NITROANILINE	SW8270	25	U	UG/L	25
MW523	MW52	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW523	MW52	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW523	MW52	3-NITROANILINE	SW8270	25	U	UG/L	25
MW523	MW52	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	UJ	UG/L	25
MW523	MW52	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW523	MW52	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW523	MW52	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW523	MW52	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW523	MW52	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW523	MW52	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW523	MW52	4-NITROANILINE	SW8270	25	U	UG/L	25
MW523	MW52	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW523	MW52	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW523	MW52	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW523	MW52	ACETONE	SW8260	10	U	UG/L	10
MW523	MW52	ALUMINUM	SW6010	216	J	UG/L	6.8
MW523	MW52	ANTHRACENE	SW8270	10	U	UG/L	10
MW523	MW52	ANTIMONY	SW6010	2	U	UG/L	2
MW523	MW52	ARSENIC	SW6010	9.7	=	UG/L	2.1
MW523	MW52	BARIUM	SW6010	119	=	UG/L	0.11
MW523	MW52	BENZENE	SW8260	10	U	UG/L	10
MW523	MW52	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW523	MW52	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW523	MW52	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW523	MW52	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW523	MW52	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW523	MW52	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW523	MW52	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW523	MW52	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW523	MW52	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	UJ	UG/L	10
MW523	MW52	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW523	MW52	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW523	MW52	BROMOFORM	SW8260	10	U	UG/L	10
MW523	MW52	BROMOMETHANE	SW8260	10	U	UG/L	10
MW523	MW52	CADMIUM	SW6010	1.8	J	UG/L	0.1
MW523	MW52	CALCIUM	SW6010	28600	=	UG/L	5.9
MW523	MW52	CARBAZOLE	SW8270	10	U	UG/L	10
MW523	MW52	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW523	MW52	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW523	MW52	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW523	MW52	CHLOROETHANE	SW8260	10	U	UG/L	10
MW523	MW52	CHLOROFORM	SW8260	10	U	UG/L	10
MW523	MW52	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW523	MW52	CHROMIUM, TOTAL	SW6010	2.3	U	UG/L	0.39
MW523	MW52	CHRYSENE	SW8270	10	U	UG/L	10
MW523	MW52	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW523	MW52	COBALT	SW6010	0.33	U	UG/L	0.33
MW523	MW52	COPPER	SW6010	7.9	J	UG/L	0.67
MW523	MW52	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW523	MW52	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW523	MW52	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW523	MW52	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW523	MW52	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW523	MW52	DIBROMOFLUOROMETHANE	SW8260	89		UG/L	0
MW523	MW52	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW523	MW52	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW523	MW52	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW523	MW52	FLUORANTHENE	SW8270	10	U	UG/L	10
MW523	MW52	FLUORENE	SW8270	10	U	UG/L	10
MW523	MW52	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW523	MW52	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW523	MW52	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW523	MW52	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW523	MW52	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW523	MW52	IRON	SW6010	702	=	UG/L	1.7
MW523	MW52	ISOPHORONE	SW8270	10	U	UG/L	10
MW523	MW52	LEAD	SW6010	0.99	U	UG/L	0.99
MW523	MW52	MAGNESIUM	SW6010	11600	=	UG/L	2.4
MW523	MW52	MANGANESE	SW6010	7.2	J	UG/L	0.08
MW523	MW52	MERCURY	SW7470	0.08	U	UG/L	0.08
MW523	MW52	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW523	MW52	N-NITROSODI-n-PROPYLAMINE	SW8270	10	UJ	UG/L	10
MW523	MW52	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW523	MW52	NAPHTHALENE	SW8270	10	U	UG/L	10
MW523	MW52	NICKEL	SW6010	1.8	U	UG/L	0.27
MW523	MW52	NITROBENZENE	SW8270	10	U	UG/L	10
MW523	MW52	Nitrobenzene-d5 - SS	SW8270	85		UG/L	0
MW523	MW52	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW523	MW52	PHENANTHRENE	SW8270	10	U	UG/L	10
MW523	MW52	PHENOL	SW8270	10	U	UG/L	10
MW523	MW52	Phenol-d5 - SS	SW8270	67		UG/L	0
MW523	MW52	POTASSIUM	SW6010	7800	=	UG/L	839.3
MW523	MW52	PYRENE	SW8270	10	UJ	UG/L	10
MW523	MW52	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW523	MW52	SILVER	SW6010	0.39	U	UG/L	0.39
MW523	MW52	SODIUM	SW6010	39800	J	UG/L	103.7
MW523	MW52	STYRENE	SW8260	10	U	UG/L	10
MW523	MW52	Terphenyl-d14 - SS	SW8270	52		UG/L	0
MW523	MW52	TETRACHLOROETHYLENE	SW8260	2	J	UG/L	10
MW523	MW52	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW523	MW52	TOLUENE	SW8260	10	U	UG/L	10
MW523	MW52	TOLUENE-D8	SW8260	99		UG/L	0
MW523	MW52	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW523	MW52	TRICHLOROETHYLENE	SW8260	10	U	UG/L	10
MW523	MW52	VANADIUM	SW6010	1.6	J	UG/L	0.33
MW523	MW52	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW523	MW52	XYLENE (TOTAL)	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW523	MW52	ZINC	SW6010	19.3	UJ	UG/L	0.57
MW533	MW53	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW533	MW53	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW533	MW53	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW533	MW53	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW533	MW53	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW533	MW53	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW533	MW53	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW533	MW53	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW533	MW53	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW533	MW53	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW533	MW53	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW533	MW53	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW533	MW53	1-BROMO-4-FLUOROBENZENE (4-	SW8260	107		UG/L	0
MW533	MW53	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW533	MW53	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW533	MW53	2,4,6-Tribromophenol - SS	SW8270	66		UG/L	0
MW533	MW53	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW533	MW53	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW533	MW53	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW533	MW53	2,4-DINITROPHENOL	SW8270	25	U	UG/L	25
MW533	MW53	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW533	MW53	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW533	MW53	2-BUTANONE	SW8260	10	U	UG/L	10
MW533	MW53	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW533	MW53	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW533	MW53	2-Fluorobiphenyl - SS	SW8270	74		UG/L	0
MW533	MW53	2-Fluorophenol - SS	SW8270	65		UG/L	0
MW533	MW53	2-HEXANONE	SW8260	10	U	UG/L	10
MW533	MW53	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW533	MW53	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW533	MW53	2-NITROANILINE	SW8270	25	U	UG/L	25
MW533	MW53	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW533	MW53	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW533	MW53	3-NITROANILINE	SW8270	25	U	UG/L	25
MW533	MW53	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	U	UG/L	25
MW533	MW53	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW533	MW53	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW533	MW53	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW533	MW53	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW533	MW53	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW533	MW53	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW533	MW53	4-NITROANILINE	SW8270	25	U	UG/L	25
MW533	MW53	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW533	MW53	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW533	MW53	ACENAPHTHYLENE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW533	MW53	ACETONE	SW8260	10	U	UG/L	10
MW533	MW53	ALUMINUM	SW6010	77.9	UJ	UG/L	6.8
MW533	MW53	ANTHRACENE	SW8270	10	U	UG/L	10
MW533	MW53	ANTIMONY	SW6010	2	U	UG/L	2
MW533	MW53	ARSENIC	SW6010	2	U	UG/L	2
MW533	MW53	BARIUM	SW6010	68.1	J	UG/L	0.11
MW533	MW53	BENZENE	SW8260	10	U	UG/L	10
MW533	MW53	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW533	MW53	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW533	MW53	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW533	MW53	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW533	MW53	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW533	MW53	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW533	MW53	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW533	MW53	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW533	MW53	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW533	MW53	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW533	MW53	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW533	MW53	BROMOFORM	SW8260	10	U	UG/L	10
MW533	MW53	BROMOMETHANE	SW8260	10	U	UG/L	10
MW533	MW53	CADMIUM	SW6010	0.1	U	UG/L	0.1
MW533	MW53	CALCIUM	SW6010	30700	=	UG/L	5.9
MW533	MW53	CARBAZOLE	SW8270	10	U	UG/L	10
MW533	MW53	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW533	MW53	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW533	MW53	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW533	MW53	CHLOROETHANE	SW8260	10	U	UG/L	10
MW533	MW53	CHLOROFORM	SW8260	10	U	UG/L	10
MW533	MW53	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW533	MW53	CHROMIUM, TOTAL	SW6010	1.6	U	UG/L	0.39
MW533	MW53	CHRYSENE	SW8270	10	U	UG/L	10
MW533	MW53	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW533	MW53	COBALT	SW6010	1	U	UG/L	0.33
MW533	MW53	COPPER	SW6010	0.67	U	UG/L	0.67
MW533	MW53	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW533	MW53	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW533	MW53	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW533	MW53	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW533	MW53	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW533	MW53	DIBROMOFLUOROMETHANE	SW8260	95		UG/L	0
MW533	MW53	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW533	MW53	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW533	MW53	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW533	MW53	FLUORANTHENE	SW8270	10	U	UG/L	10
MW533	MW53	FLUORENE	SW8270	10	U	UG/L	10
MW533	MW53	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW533	MW53	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW533	MW53	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW533	MW53	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW533	MW53	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW533	MW53	IRON	SW6010	910	=	UG/L	1.7
MW533	MW53	ISOPHORONE	SW8270	10	U	UG/L	10
MW533	MW53	LEAD	SW6010	0.99	U	UG/L	0.99
MW533	MW53	MAGNESIUM	SW6010	16700	=	UG/L	2.4
MW533	MW53	MANGANESE	SW6010	15.6	=	UG/L	0.06
MW533	MW53	MERCURY	SW7470	0.1	U	UG/L	0.08
MW533	MW53	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW533	MW53	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW533	MW53	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW533	MW53	NAPHTHALENE	SW8270	10	U	UG/L	10
MW533	MW53	NICKEL	SW6010	1.4	U	UG/L	0.27
MW533	MW53	NITROBENZENE	SW8270	10	U	UG/L	10
MW533	MW53	Nitrobenzene-d5 - SS	SW8270	78		UG/L	0
MW533	MW53	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW533	MW53	PHENANTHRENE	SW8270	10	U	UG/L	10
MW533	MW53	PHENOL	SW8270	10	U	UG/L	10
MW533	MW53	Phenol-d5 - SS	SW8270	77		UG/L	0
MW533	MW53	POTASSIUM	SW6010	1760	J	UG/L	715.6
MW533	MW53	PYRENE	SW8270	10	U	UG/L	10
MW533	MW53	SELENIUM	SW6010	4	J	UG/L	3.5
MW533	MW53	SILVER	SW6010	0.39	U	UG/L	0.39
MW533	MW53	SODIUM	SW6010	32300	J	UG/L	103.7
MW533	MW53	STYRENE	SW8260	10	U	UG/L	10
MW533	MW53	Terphenyl-d14 - SS	SW8270	67		UG/L	0
MW533	MW53	TETRACHLOROETHYLENE	SW8260	10	U	UG/L	10
MW533	MW53	THALLIUM	SW6010	3.6	J	UG/L	2.3
MW533	MW53	TOLUENE	SW8260	10	U	UG/L	10
MW533	MW53	TOLUENE-D8	SW8260	100		UG/L	0
MW533	MW53	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW533	MW53	TRICHLOROETHYLENE	SW8260	10	U	UG/L	10
MW533	MW53	VANADIUM	SW6010	0.6	J	UG/L	0.33
MW533	MW53	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW533	MW53	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW533	MW53	ZINC	SW6010	0.57	UJ	UG/L	0.57
MW543	MW54	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW543	MW54	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW543	MW54	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW543	MW54	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW543	MW54	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW543	MW54	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW543	MW54	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW543	MW54	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW543	MW54	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	=	UG/L	10
MW543	MW54	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW543	MW54	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW543	MW54	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW543	MW54	1-BROMO-4-FLUOROBENZENE (4-	SW8260	105		UG/L	0
MW543	MW54	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW543	MW54	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW543	MW54	2,4,6-Tribromophenol - SS	SW8270	69		UG/L	0
MW543	MW54	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
MW543	MW54	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW543	MW54	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW543	MW54	2,4-DINITROPHENOL	SW8270	25	UJ	UG/L	25
MW543	MW54	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW543	MW54	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW543	MW54	2-BUTANONE	SW8260	10	U	UG/L	10
MW543	MW54	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW543	MW54	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW543	MW54	2-Fluorobiphenyl - SS	SW8270	76		UG/L	0
MW543	MW54	2-Fluorophenol - SS	SW8270	67		UG/L	0
MW543	MW54	2-HEXANONE	SW8260	10	U	UG/L	10
MW543	MW54	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW543	MW54	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW543	MW54	2-NITROANILINE	SW8270	25	U	UG/L	25
MW543	MW54	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW543	MW54	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW543	MW54	3-NITROANILINE	SW8270	25	U	UG/L	25
MW543	MW54	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	UJ	UG/L	25
MW543	MW54	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW543	MW54	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW543	MW54	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW543	MW54	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW543	MW54	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW543	MW54	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW543	MW54	4-NITROANILINE	SW8270	25	U	UG/L	25
MW543	MW54	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW543	MW54	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW543	MW54	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW543	MW54	ACETONE	SW8260	10	U	UG/L	10
MW543	MW54	ALUMINUM	SW6010	1980	J	UG/L	6.8
MW543	MW54	ANTHRACENE	SW8270	10	U	UG/L	10
MW543	MW54	ANTIMONY	SW6010	4.6	U	UG/L	2
MW543	MW54	ARSENIC	SW6010	2	U	UG/L	2
MW543	MW54	BARIUM	SW6010	107	=	UG/L	0.11
MW543	MW54	BENZENE	SW8260	10	U	UG/L	10
MW543	MW54	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW543	MW54	BENZO(a)PYRENE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW543	MW54	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW543	MW54	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW543	MW54	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW543	MW54	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW543	MW54	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW543	MW54	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW543	MW54	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW543	MW54	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
MW543	MW54	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW543	MW54	BROMOFORM	SW8260	10	U	UG/L	10
MW543	MW54	BROMOMETHANE	SW8260	10	U	UG/L	10
MW543	MW54	CADMIUM	SW6010	0.95	J	UG/L	0.1
MW543	MW54	CALCIUM	SW6010	13900	=	UG/L	5.9
MW543	MW54	CARBAZOLE	SW8270	10	U	UG/L	10
MW543	MW54	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW543	MW54	CARBON TETRACHLORIDE	SW8260	1	J	UG/L	10
MW543	MW54	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW543	MW54	CHLOROETHANE	SW8260	10	U	UG/L	10
MW543	MW54	CHLOROFORM	SW8260	10	U	UG/L	10
MW543	MW54	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW543	MW54	CHROMIUM, TOTAL	SW6010	15.2	=	UG/L	0.39
MW543	MW54	CHRYSENE	SW8270	10	U	UG/L	10
MW543	MW54	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW543	MW54	COBALT	SW6010	0.33	U	UG/L	0.33
MW543	MW54	COPPER	SW6010	3.2	U	UG/L	0.67
MW543	MW54	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW543	MW54	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW543	MW54	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW543	MW54	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW543	MW54	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW543	MW54	DIBROMOFLUOROMETHANE	SW8260	93		UG/L	0
MW543	MW54	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW543	MW54	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW543	MW54	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW543	MW54	FLUORANTHENE	SW8270	10	U	UG/L	10
MW543	MW54	FLUORENE	SW8270	10	U	UG/L	10
MW543	MW54	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW543	MW54	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW543	MW54	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW543	MW54	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW543	MW54	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW543	MW54	IRON	SW6010	9960	=	UG/L	1.7
MW543	MW54	ISOPHORONE	SW8270	10	U	UG/L	10
MW543	MW54	LEAD	SW6010	2	J	UG/L	0.99
MW543	MW54	MAGNESIUM	SW6010	7070	=	UG/L	2.4
MW543	MW54	MANGANESE	SW6010	14	=	UG/L	0.08

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW543	MW54	MERCURY	SW7470	0.1	U	UG/L	0.08
MW543	MW54	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW543	MW54	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW543	MW54	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW543	MW54	NAPHTHALENE	SW8270	10	U	UG/L	10
MW543	MW54	NICKEL	SW6010	1.3	U	UG/L	0.27
MW543	MW54	NITROBENZENE	SW8270	10	U	UG/L	10
MW543	MW54	Nitrobenzene-d5 - SS	SW8270	80		UG/L	0
MW543	MW54	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW543	MW54	PHENANTHRENE	SW8270	10	U	UG/L	10
MW543	MW54	PHENOL	SW8270	10	U	UG/L	10
MW543	MW54	Phenol-d5 - SS	SW8270	73		UG/L	0
MW543	MW54	POTASSIUM	SW6010	1620	J	UG/L	715.6
MW543	MW54	PYRENE	SW8270	10	UJ	UG/L	10
MW543	MW54	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW543	MW54	SILVER	SW6010	0.39	U	UG/L	0.39
MW543	MW54	SODIUM	SW6010	16900	J	UG/L	103.7
MW543	MW54	STYRENE	SW8260	10	U	UG/L	10
MW543	MW54	Terphenyl-d14 - SS	SW8270	77		UG/L	0
MW543	MW54	TETRACHLOROETHYLENE	SW8260	2	J	UG/L	10
MW543	MW54	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW543	MW54	TOLUENE	SW8260	10	U	UG/L	10
MW543	MW54	TOLUENE-D8	SW8260	99		UG/L	0
MW543	MW54	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW543	MW54	TRICHLOROETHYLENE	SW8260	150	=	UG/L	10
MW543	MW54	VANADIUM	SW6010	7.5	J	UG/L	0.33
MW543	MW54	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW543	MW54	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW543	MW54	ZINC	SW6010	8.1	UJ	UG/L	0.57
MW553	MW55	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW553	MW55	1,1,2,2-TETRACHLOROETHANE	SW8260	10	U	UG/L	10
MW553	MW55	1,1,2-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW553	MW55	1,1-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW553	MW55	1,1-DICHLOROETHENE	SW8260	10	U	UG/L	10
MW553	MW55	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
MW553	MW55	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW553	MW55	1,2-DICHLOROETHANE	SW8260	10	U	UG/L	10
MW553	MW55	1,2-DICHLOROETHENE (TOTAL)	SW8260	10	U	UG/L	10
MW553	MW55	1,2-DICHLOROPROPANE	SW8260	10	U	UG/L	10
MW553	MW55	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW553	MW55	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
MW553	MW55	1-BROMO-4-FLUOROBENZENE (4-	SW8260	108		UG/L	0
MW553	MW55	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
MW553	MW55	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
MW553	MW55	2,4,6-Tribromophenol - SS	SW8270	67		UG/L	0
MW553	MW55	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW553	MW55	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
MW553	MW55	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10
MW553	MW55	2,4-DINITROPHENOL	SW8270	25	UJ	UG/L	25
MW553	MW55	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW553	MW55	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
MW553	MW55	2-BUTANONE	SW8260	10	U	UG/L	10
MW553	MW55	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
MW553	MW55	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
MW553	MW55	2-Fluorobiphenyl - SS	SW8270	69		UG/L	0
MW553	MW55	2-Fluorophenol - SS	SW8270	53		UG/L	0
MW553	MW55	2-HEXANONE	SW8260	10	U	UG/L	10
MW553	MW55	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
MW553	MW55	2-METHYLPHENOL	SW8270	10	U	UG/L	10
MW553	MW55	2-NITROANILINE	SW8270	25	U	UG/L	25
MW553	MW55	2-NITROPHENOL	SW8270	10	U	UG/L	10
MW553	MW55	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
MW553	MW55	3-NITROANILINE	SW8270	25	U	UG/L	25
MW553	MW55	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	UJ	UG/L	25
MW553	MW55	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW553	MW55	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
MW553	MW55	4-CHLOROANILINE	SW8270	10	U	UG/L	10
MW553	MW55	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
MW553	MW55	4-METHYL-2-PENTANONE	SW8260	10	U	UG/L	10
MW553	MW55	4-METHYLPHENOL (p-CRESOL)	SW8270	10	U	UG/L	10
MW553	MW55	4-NITROANILINE	SW8270	25	U	UG/L	25
MW553	MW55	4-NITROPHENOL	SW8270	25	U	UG/L	25
MW553	MW55	ACENAPHTHENE	SW8270	10	U	UG/L	10
MW553	MW55	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
MW553	MW55	ACETONE	SW8260	10	U	UG/L	10
MW553	MW55	ALUMINUM	SW6010	2220	J	UG/L	6.8
MW553	MW55	ANTHRACENE	SW8270	10	U	UG/L	10
MW553	MW55	ANTIMONY	SW6010	6	U	UG/L	2
MW553	MW55	ARSENIC	SW6010	2	U	UG/L	2
MW553	MW55	BARIUM	SW6010	66.7	=	UG/L	0.11
MW553	MW55	BENZENE	SW8260	10	U	UG/L	10
MW553	MW55	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
MW553	MW55	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
MW553	MW55	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
MW553	MW55	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
MW553	MW55	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
MW553	MW55	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW553	MW55	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
MW553	MW55	Bicarbonate	E310.1	42	=	MG/L	3
MW553	MW55	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
MW553	MW55	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
MW553	MW55	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10

DDMT September 1997
3rd Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW553	MW55	BROMODICHLOROMETHANE	SW8260	10	U	UG/L	10
MW553	MW55	BROMOFORM	SW8260	10	U	UG/L	10
MW553	MW55	BROMOMETHANE	SW8260	10	U	UG/L	10
MW553	MW55	CADMIUM	SW6010	0.89	J	UG/L	0.1
MW553	MW55	CALCIUM	SW6010	12600	=	UG/L	5.9
MW553	MW55	CARBAZOLE	SW8270	10	U	UG/L	10
MW553	MW55	CARBON DISULFIDE	SW8260	10	U	UG/L	10
MW553	MW55	CARBON TETRACHLORIDE	SW8260	10	U	UG/L	10
MW553	MW55	Chloride	E325.1	21	=	MG/L	1
MW553	MW55	CHLOROBENZENE	SW8260	10	U	UG/L	10
MW553	MW55	CHLOROETHANE	SW8260	10	U	UG/L	10
MW553	MW55	CHLOROFORM	SW8260	10	U	UG/L	10
MW553	MW55	CHLOROMETHANE	SW8260	10	U	UG/L	10
MW553	MW55	CHROMIUM, TOTAL	SW6010	8.2	J	UG/L	0.39
MW553	MW55	CHRYSENE	SW8270	10	U	UG/L	10
MW553	MW55	cis-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW553	MW55	COBALT	SW6010	3.2	J	UG/L	0.33
MW553	MW55	COPPER	SW6010	19.7	=	UG/L	0.67
MW553	MW55	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
MW553	MW55	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
MW553	MW55	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
MW553	MW55	DIBENZOFURAN	SW8270	10	U	UG/L	10
MW553	MW55	DIBROMOCHLOROMETHANE	SW8260	10	U	UG/L	10
MW553	MW55	DIBROMOFLUOROMETHANE	SW8260	97		UG/L	0
MW553	MW55	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW553	MW55	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
MW553	MW55	ETHYLBENZENE	SW8260	10	U	UG/L	10
MW553	MW55	FLUORANTHENE	SW8270	10	U	UG/L	10
MW553	MW55	FLUORENE	SW8270	10	U	UG/L	10
MW553	MW55	Fluoride, Free	E340.2	0.1	U	MG/L	0.1
MW553	MW55	Hardness As Caco3	E130.2	70	=	MG/L	3
MW553	MW55	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
MW553	MW55	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
MW553	MW55	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
MW553	MW55	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
MW553	MW55	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
MW553	MW55	IRON	SW6010	4240	=	UG/L	1.7
MW553	MW55	ISOPHORONE	SW8270	10	U	UG/L	10
MW553	MW55	LEAD	SW6010	4.5	=	UG/L	0.99
MW553	MW55	MAGNESIUM	SW6010	5370	=	UG/L	2.4
MW553	MW55	MANGANESE	SW6010	119	=	UG/L	0.08
MW553	MW55	MERCURY	SW7470	0.08	U	UG/L	0.08
MW553	MW55	METHYLENE CHLORIDE	SW8260	10	U	UG/L	10
MW553	MW55	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
MW553	MW55	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
MW553	MW55	NAPHTHALENE	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
MW553	MW55	NICKEL	SW6010	5.5	J	UG/L	0.27
MW553	MW55	Nitrate-Nitrogen	E353.2	5.44	=	MG/L	0.25
MW553	MW55	NITROBENZENE	SW8270	10	U	UG/L	10
MW553	MW55	Nitrobenzene-d5 - SS	SW8270	75		UG/L	0
MW553	MW55	PENTACHLOROPHENOL	SW8270	5	U	UG/L	5
MW553	MW55	PHENANTHRENE	SW8270	10	U	UG/L	10
MW553	MW55	PHENOL	SW8270	10	U	UG/L	10
MW553	MW55	Phenol-d5 - SS	SW8270	59		UG/L	0
MW553	MW55	POTASSIUM	SW6010	3460	=	UG/L	715.6
MW553	MW55	PYRENE	SW8270	10	UJ	UG/L	10
MW553	MW55	SELENIUM	SW6010	3.5	U	UG/L	3.5
MW553	MW55	SILVER	SW6010	0.39	U	UG/L	0.39
MW553	MW55	SODIUM	SW6010	18900	J	UG/L	103.7
MW553	MW55	STYRENE	SW8260	10	U	UG/L	10
MW553	MW55	Sulfate	E375.4	20.8	=	MG/L	2
MW553	MW55	Terphenyl-d14 - SS	SW8270	62		UG/L	0
MW553	MW55	TETRACHLOROETHYLENE	SW8260	10	U	UG/L	10
MW553	MW55	THALLIUM	SW6010	2.3	U	UG/L	2.3
MW553	MW55	TOLUENE	SW8260	10	U	UG/L	10
MW553	MW55	TOLUENE-D8	SW8260	102		UG/L	0
MW553	MW55	Total Dissolved Solids	E160.1	166	=	MG/L	10
MW553	MW55	trans-1,3-DICHLOROPROPENE	SW8260	10	U	UG/L	10
MW553	MW55	TRICHLOROETHYLENE	SW8260	10	U	UG/L	10
MW553	MW55	VANADIUM	SW6010	6.2	J	UG/L	0.33
MW553	MW55	VINYL CHLORIDE	SW8260	10	U	UG/L	10
MW553	MW55	XYLENE (TOTAL)	SW8260	10	U	UG/L	10
MW553	MW55	ZINC	SW6010	15.9	UJ	UG/L	0.57
PT92997	PT92997	1,1,1-TRICHLOROETHANE	SW8260	1200	U	UG/L	1200
PT92997	PT92997	1,1,2,2-TETRACHLOROETHANE	SW8260	1200	U	UG/L	1200
PT92997	PT92997	1,1,2-TRICHLOROETHANE	SW8260	1200	U	UG/L	1200
PT92997	PT92997	1,1-DICHLOROETHANE	SW8260	1200	U	UG/L	1200
PT92997	PT92997	1,1-DICHLOROETHENE	SW8260	1200	U	UG/L	1200
PT92997	PT92997	1,2,4-TRICHLOROBENZENE	SW8270	10	U	UG/L	10
PT92997	PT92997	1,2-DICHLOROBENZENE	SW8270	10	U	UG/L	10
PT92997	PT92997	1,2-DICHLOROETHANE	SW8260	1200	U	UG/L	1200
PT92997	PT92997	1,2-DICHLOROETHENE (TOTAL)	SW8260	1200	U	UG/L	1200
PT92997	PT92997	1,2-DICHLOROPROPANE	SW8260	1200	U	UG/L	1200
PT92997	PT92997	1,3-DICHLOROBENZENE	SW8270	10	U	UG/L	10
PT92997	PT92997	1,4-DICHLOROBENZENE	SW8270	10	U	UG/L	10
PT92997	PT92997	1-BROMO-4-FLUOROBENZENE (4-	SW8260	107		UG/L	0
PT92997	PT92997	2,2'-OXYBIS(1-CHLORO)PROPANE	SW8270	10	U	UG/L	10
PT92997	PT92997	2,4,5-TRICHLOROPHENOL	SW8270	25	U	UG/L	25
PT92997	PT92997	2,4,6-Tribromophenol - SS	SW8270	80		UG/L	0
PT92997	PT92997	2,4,6-TRICHLOROPHENOL	SW8270	10	U	UG/L	10
PT92997	PT92997	2,4-DICHLOROPHENOL	SW8270	10	U	UG/L	10
PT92997	PT92997	2,4-DIMETHYLPHENOL	SW8270	10	U	UG/L	10

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
PT92997	PT92997	2,4-DINITROPHENOL	SW8270	25	U	UG/L	25
PT92997	PT92997	2,4-DINITROTOLUENE	SW8270	10	U	UG/L	10
PT92997	PT92997	2,6-DINITROTOLUENE	SW8270	10	U	UG/L	10
PT92997	PT92997	2-BUTANONE	SW8260	1200	U	UG/L	1200
PT92997	PT92997	2-CHLORONAPHTHALENE	SW8270	10	U	UG/L	10
PT92997	PT92997	2-CHLOROPHENOL	SW8270	10	U	UG/L	10
PT92997	PT92997	2-Fluorobiphenyl - SS	SW8270	61		UG/L	0
PT92997	PT92997	2-Fluorophenol - SS	SW8270	68		UG/L	0
PT92997	PT92997	2-HEXANONE	SW8260	1200	U	UG/L	1200
PT92997	PT92997	2-METHYLNAPHTHALENE	SW8270	10	U	UG/L	10
PT92997	PT92997	2-METHYLPHENOL	SW8270	10	U	UG/L	10
PT92997	PT92997	2-NITROANILINE	SW8270	25	U	UG/L	25
PT92997	PT92997	2-NITROPHENOL	SW8270	10	U	UG/L	10
PT92997	PT92997	3,3'-DICHLOROBENZIDINE	SW8270	20	U	UG/L	20
PT92997	PT92997	3-NITROANILINE	SW8270	25	U	UG/L	25
PT92997	PT92997	4,6-DINITRO-2-METHYLPHENOL	SW8270	25	U	UG/L	25
PT92997	PT92997	4-BROMOPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
PT92997	PT92997	4-CHLORO-3-METHYLPHENOL	SW8270	10	U	UG/L	10
PT92997	PT92997	4-CHLOROANILINE	SW8270	10	U	UG/L	10
PT92997	PT92997	4-CHLOROPHENYL PHENYL ETHER	SW8270	10	U	UG/L	10
PT92997	PT92997	4-METHYL-2-PENTANONE	SW8260	1200	U	UG/L	1200
PT92997	PT92997	4-METHYLPHENOL (p-CRESOL)	SW8270	2	J	UG/L	10
PT92997	PT92997	4-NITROANILINE	SW8270	25	U	UG/L	25
PT92997	PT92997	4-NITROPHENOL	SW8270	25	U	UG/L	25
PT92997	PT92997	ACENAPHTHENE	SW8270	10	U	UG/L	10
PT92997	PT92997	ACENAPHTHYLENE	SW8270	10	U	UG/L	10
PT92997	PT92997	ACETONE	SW8260	18000	=	UG/L	1200
PT92997	PT92997	ALUMINUM	SW6010	2990	=	UG/L	6.8
PT92997	PT92997	ANTHRACENE	SW8270	10	U	UG/L	10
PT92997	PT92997	ANTIMONY	SW6010	2	U	UG/L	2
PT92997	PT92997	ARSENIC	SW6010	5.5	J	UG/L	2.1
PT92997	PT92997	BARIUM	SW6010	84	J	UG/L	0.11
PT92997	PT92997	BENZENE	SW8260	1200	U	UG/L	1200
PT92997	PT92997	BENZO(a)ANTHRACENE	SW8270	10	U	UG/L	10
PT92997	PT92997	BENZO(a)PYRENE	SW8270	10	U	UG/L	10
PT92997	PT92997	BENZO(b)FLUORANTHENE	SW8270	10	U	UG/L	10
PT92997	PT92997	BENZO(g,h,i)PERYLENE	SW8270	10	U	UG/L	10
PT92997	PT92997	BENZO(k)FLUORANTHENE	SW8270	10	U	UG/L	10
PT92997	PT92997	BENZYL BUTYL PHTHALATE	SW8270	10	U	UG/L	10
PT92997	PT92997	BERYLLIUM	SW6010	0.09	U	UG/L	0.09
PT92997	PT92997	bis(2-CHLOROETHOXY) METHANE	SW8270	10	U	UG/L	10
PT92997	PT92997	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	SW8270	10	U	UG/L	10
PT92997	PT92997	bis(2-ETHYLHEXYL) PHTHALATE	SW8270	10	U	UG/L	10
PT92997	PT92997	BROMODICHLOROMETHANE	SW8260	1200	U	UG/L	1200
PT92997	PT92997	BROMOFORM	SW8260	1200	U	UG/L	1200
PT92997	PT92997	BROMOMETHANE	SW8260	1200	U	UG/L	1200

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Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
PI92997	PI92997	CADMIUM	SW6010	1.5	J	UG/L	0.1
PI92997	PI92997	CALCIUM	SW6010	26900	=	UG/L	5.9
PI92997	PI92997	CARBAZOLE	SW8270	10	U	UG/L	10
PI92997	PI92997	CARBON DISULFIDE	SW8260	1200	U	UG/L	1200
PI92997	PI92997	CARBON TETRACHLORIDE	SW8260	1200	U	UG/L	1200
PI92997	PI92997	CHLOROBENZENE	SW8260	1200	U	UG/L	1200
PI92997	PI92997	CHLOROETHANE	SW8260	1200	U	UG/L	1200
PI92997	PI92997	CHLOROFORM	SW8260	1200	U	UG/L	1200
PI92997	PI92997	CHLOROMETHANE	SW8260	1200	U	UG/L	1200
PI92997	PI92997	CHROMIUM, TOTAL	SW6010	8.2	U	UG/L	0.39
PI92997	PI92997	CHRYSENE	SW8270	10	U	UG/L	10
PI92997	PI92997	cis-1,3-DICHLOROPROPENE	SW8260	1200	U	UG/L	1200
PI92997	PI92997	COBALT	SW6010	5.8	J	UG/L	0.33
PI92997	PI92997	COPPER	SW6010	5.6	J	UG/L	0.67
PI92997	PI92997	DI-n-BUTYL PHTHALATE	SW8270	10	U	UG/L	10
PI92997	PI92997	DI-n-OCTYLPHTHALATE	SW8270	10	U	UG/L	10
PI92997	PI92997	DIBENZ(a,h)ANTHRACENE	SW8270	10	U	UG/L	10
PI92997	PI92997	DIBENZOFURAN	SW8270	10	U	UG/L	10
PI92997	PI92997	DIBROMOCHLOROMETHANE	SW8260	1200	U	UG/L	1200
PI92997	PI92997	DIBROMOFLUOROMETHANE	SW8260	103		UG/L	0
PI92997	PI92997	DIETHYL PHTHALATE	SW8270	10	U	UG/L	10
PI92997	PI92997	DIMETHYL PHTHALATE	SW8270	10	U	UG/L	10
PI92997	PI92997	ETHYLBENZENE	SW8260	1200	U	UG/L	1200
PI92997	PI92997	FLUORANTHENE	SW8270	10	U	UG/L	10
PI92997	PI92997	FLUORENE	SW8270	10	U	UG/L	10
PI92997	PI92997	HEXACHLOROBENZENE	SW8270	10	U	UG/L	10
PI92997	PI92997	HEXACHLOROBUTADIENE	SW8270	10	U	UG/L	10
PI92997	PI92997	HEXACHLOROCYCLOPENTADIENE	SW8270	10	U	UG/L	10
PI92997	PI92997	HEXACHLOROETHANE	SW8270	10	U	UG/L	10
PI92997	PI92997	INDENO(1,2,3-c,d)PYRENE	SW8270	10	U	UG/L	10
PI92997	PI92997	IRON	SW6010	6870	=	UG/L	1.7
PI92997	PI92997	ISOPHORONE	SW8270	10	U	UG/L	10
PI92997	PI92997	LEAD	SW6010	7.8	=	UG/L	0.99
PI92997	PI92997	MAGNESIUM	SW6010	6860	=	UG/L	2.4
PI92997	PI92997	MANGANESE	SW6010	290	=	UG/L	0.08
PI92997	PI92997	MERCURY	SW7470	0.08	U	UG/L	0.08
PI92997	PI92997	METHYLENE CHLORIDE	SW8260	280	J	UG/L	1200
PI92997	PI92997	N-NITROSODI-n-PROPYLAMINE	SW8270	10	U	UG/L	10
PI92997	PI92997	N-NITROSODIPHENYLAMINE	SW8270	10	U	UG/L	10
PI92997	PI92997	NAPHTHALENE	SW8270	10	U	UG/L	10
PI92997	PI92997	NICKEL	SW6010	7.8	U	UG/L	0.27
PI92997	PI92997	NITROBENZENE	SW8270	10	U	UG/L	10
PI92997	PI92997	Nitrobenzene-d5 - SS	SW8270	73		UG/L	0
PI92997	PI92997	PENTACHLOROPHENOL	SW8270	3	J	UG/L	5
PI92997	PI92997	PHENANTHRENE	SW8270	10	U	UG/L	10
PI92997	PI92997	PHENOL	SW8270	10	U	UG/L	10

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3rd Quarter Groundwater Analytical Results

Sample ID	Station ID	Analyte Parameter	Analytical Method	Value	Project Qualifier	Units	Detection Limit
MW023	MW02	1,1,1-TRICHLOROETHANE	SW8260	10	U	UG/L	10
PI92997	PI92997	Phenol-d5 - SS	SW8270	58		UG/L	0
PI92997	PI92997	POTASSIUM	SW6010	3360	J	UG/L	715.6
PI92997	PI92997	PYRENE	SW8270	10	U	UG/L	10
PI92997	PI92997	SELENIUM	SW6010	3.5	U	UG/L	3.5
PI92997	PI92997	SILVER	SW6010	0.39	U	UG/L	0.39
PI92997	PI92997	SODIUM	SW6010	76000	=	UG/L	103.7
PI92997	PI92997	STYRENE	SW8260	1200	U	UG/L	1200
PI92997	PI92997	Terphenyl-d14 - SS	SW8270	32		UG/L	0
PI92997	PI92997	TETRACHLOROETHYLENE	SW8260	1200	U	UG/L	1200
PI92997	PI92997	THALLIUM	SW6010	2.3	U	UG/L	2.3
PI92997	PI92997	TOLUENE	SW8260	1200	U	UG/L	1200
PI92997	PI92997	TOLUENE-D8	SW8260	105		UG/L	0
PI92997	PI92997	trans-1,3-DICHLOROPROPENE	SW8260	1200	U	UG/L	1200
PI92997	PI92997	TRICHLOROETHYLENE	SW8260	1200	U	UG/L	1200
PI92997	PI92997	VANADIUM	SW6010	7.9	J	UG/L	0.33
PI92997	PI92997	VINYL CHLORIDE	SW8260	1200	U	UG/L	1200
PI92997	PI92997	XYLENE (TOTAL)	SW8260	1200	U	UG/L	1200
PI92997	PI92997	ZINC	SW6010	58.5	=	UG/L	0.57

Appendix C
Purged Logs

CH2M HILL MONITORING WELL PURGING LOG

Installation DDMT

Site/Project 03 Groundwater

Project Number 113630.23.02

Purged by G Ford

Well Head Reading 0 ppm

Depth Measurement Reference Point 2" PVC inner casing

Depth to Top and Bottom of Screen ____ ft bgs

Original Depth to Water (DTW) 28.24

Well Number MW-2

Sample ID Number MW203

Purge Start date 09/26/97 time 1046

Purge End date 09/26/97 time 1405

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

Final Depth to Water (DTW) ____

Measured Well TD 35.00

− Original DTW 28.24

= Wtr Col Thick. 6.76 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 1.1 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 3.3 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 Teflon Bailer

Purging Equipment Decontaminated? Y / [✓ N]

Purge Water Containerized? [✓ Y] / N

Average Purge Rate 0.25 gpm

Weather Clear, 76°F, light wind

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (mS/cm)	Turbidity (NTs)	DO mg/L	Salinity %	Comments
1046	0.25			16.5	6.01	0.419	57	10.55	0.01	Dry and
1405	1.25			17.9	6.10	0.380	40	9.89	0.00	~~Dry~~ Sample.

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

CH2M HILL MONITORING WELL PURGING LOG

Installation Memphis Depot
Well Number MW03

Site/Project DDMT
Sample ID Number MW0303

Project Number 113630.23020
Purge Start date 9/27/97 time 1025

Purged by D. Marion / S. Short
Purge End date 9/27/97 time 1100

Well Head Reading ________ ppm

Depth Measurement Reference Point TOP OF WELL CASING
Well Casing ID: [✓ 2"] 4" 6" Other ____

Depth to Top and Bottom of Screen 67 - 77 ft bgs

Original Depth to Water (DTW) 15.16
Final Depth to Water (DTW) ________

Measured Well TD 77
− Original DTW 61.84
= Wtr Col Thick. 15.16 x (2" = 0.16, 4" = 0.65, 6" = 1.47) gal/ft = 2.43 gals/casing vol X [1, 2, ✓ 3, 4, 5] casing vol = 7.28 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 Teflon Bailer

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

Average Purge Rate ________ gpm

Weather Sunny Warm Dry

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTs)	DO	Salinity	Comments
1033	2.4	NA	NA	18.5	5.91	0.270	>999	–	0.01	color Amber yellow
1045	4.8	NA	NA	18.4	6.14	0.295	>999	–	0.01	as above
1100	8.2	NA	NA	18.5	6.18	0.295	>999	4.42	0.01	as above

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

CH2M HILL MONITORING WELL PURGING LOG

266 220

Installation DDMT

Well Number MW-4

Site/Project 03 Groundwater

Sample ID Number MW403

Project Number 113630.23.02

Purge Start date 09/26/97 time 0925

Purged by GFord

Purge End date 09/26/97 time 0948

Well Head Reading 0 ppm

Depth Measurement Reference Point 2" PVC inner casing

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen ______ ft bgs

Original Depth to Water (DTW) 69:54

Final Depth to Water (DTW) ______

Measured Well TD 81.80
− Original DTW 69.54
= Wtr Col Thick. 12.26 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 1.96 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 5.9 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.) Disposable Teflon Bailer

Purging Equipment Decontaminated? Y / [✓ N]

Purge Water Containerized? [✓ Y] / N

Average Purge Rate 0.25 gpm

Weather Clear, temp 76°F, sunny

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (mS/cm)	Turbidity (NTu)	DO mg/L	Salinity %	Comments
0926	0.25			19.2	5.48	0.212	55	10.04	0.00	
0934	2.25			18.2	5.69	0.193	>999	10.64	0.00	
0941	4.25			18.0	5.74	0.193	>999	11.08	0.00	
0948	6.25			18.1	5.76	0.194	87	11.35	0.00	

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

CH2M HILL MONITORING WELL PURGING LOG

Installation Memphis Depot

Well Number MW05

Site/Project DDMT

Sample ID Number MW0503

Project Number D. Maciel / S. Russell

Purge Start date 9/27/97 time 1520

Purged by

Purge End date 9/27/97 time 1534

Well Head Reading ppm

Depth Measurement Reference Point Top of Well Casing

Well Casing ID [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen 69 - 79 ft bgs

Original Depth to Water (DTW) 74.16

Final Depth to Water (DTW) 75

Measured Well TD 79.25

Original DTW 74.16

= Wtr Col Thick. X 2" = 0.16 4" = 0.65 6" = 1.47 gals/ft = gals/casing vol X 5 casing vol = 2.5 TOTAL PURGE GALLONS

Purged 25 gallons

Purge Method

Submersible Pump X 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.) 2" Grundfos

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate 2.0 gpm

Weather Sunny, Breezy 83° °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
1513	25	74.16	74-79	19.7	6.34	.361	416	12.4	0	
1515				18.9	6.35	.357	124	12.12	.01	
1516				18.7	6.34	.353	81	12.17	.01	
1519				19.1	6.35	.358	77	12.01	.01	
1521				18.9	6.33	.312	5	12.0	0	
1534				19.8	6.38	.414	241	11.74	0	

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

266 222

CH2MHILL MONITORING WELL PURGING LOG

Installation DDMT
Well Number MW-6
Site/Project Q3 Groundwater
Sample ID Number MW603
Project Number 113630.23.02
Purge Start date 09/27/97 time 1110
Purged by GFord
Purge End date 09/27/97 time 1136
Well Head Reading 0 ppm
Depth Measurement Reference Point 2" PVC inner casing
Well Casing ID: [✓ 2"] 4" 6" Other
Depth to Top and Bottom of Screen ______ ft bgs
Original Depth to Water (DTW) 57.84
Final Depth to Water (DTW) ______

Measured Well TD 70.24
− Original DTW 57.84
= Wtr Col Thick. 12.40 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 = 6.0 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.) Disp. Teflon Bailer / Water Quality Meter
Purging Equipment Decontaminated? Y [✓ N]
Purge Water Containerized? [✓ Y] / N
Average Purge Rate 0.25 gpm
Weather Clear, Sunny, 76°F °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity mS/cm	Turbidity (NTU)	DO mg/L	Salinity %	Comments
1114	0.25			18.8	5.81	0.167	99	10.55	0.06	
1118	2.0			18.7	5.36	0.961	94	10.71	0.04	
1127	4.0			18.9	5.33	1.73	551	11.66	0.08	
1136	6.0			19.2	5.35	1.73	742	11.50	0.08	

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

CH2M HILL MONITORING WELL PURGING LOG

Installation Memphis Depot

Well Number MW07

Site/Project DDMT

Sample ID Number MW0703

Project Number 113630.23.02

Purge Start date 9/27/97 time 1313

Purged by D. Marion / S. Shat

Purge End date 9/27/97 time 1326

Well Head Reading ______ ppm

Depth Measurement Reference Point Top of Well Casing

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

Depth to Top and Bottom of Screen 67-77 ft bgs

Original Depth to Water (DTW) 63.06

Final Depth to Water (DTW) ______

Measured Well TD 72.2

− Original DTW 63.06

= Wtr Col Thick. ______ X 2" - 0.16 / 4" - 0.65 / 6" - 1.47 gal/ft = ______ gals/casing vol X 5 casing vol = 6.8 TOTAL PURGE GALLONS

Purged 30 gallons

Purge Method

Submersible Pump X

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.) 2" Grundfos

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate 2.0 gpm

Weather Sunny, Breezy, 83° °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
1313	30	63.06	72	20.1	6.22	.257	999	12.29	0	
1315				19.4	6.22	.303	999	12.5	.01	
1317				18.9	6.24	.305	595	12.08	.01	
1319				19.0	6.22	.307	176	11.63	.01	
1322				18.9	6.21	.305	54	11.07	.01	
1326				18.9	6.21	.311	78	11.09	.01	
1342				20.8	6.26	.292	68	10.73	.01	

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

CH2M HILL MONITORING WELL PURGING LOG

266 224

Installation DDMT

Well Number MW-8

Site/Project QI Groundwater

Sample ID Number MW0803

Project Number 113630. 23.02

Purge Start date 09/26/97 time 1002

Purged by G Ford

Purge End date 09/26/97 time 1024

Well Head Reading 0 ppm

Depth Measurement Reference Point 2" PVC inner casing

Well Casing ID: [✓ 2"] 4" 6" Other -

Depth to Top and Bottom of Screen - ft bgs

Original Depth to Water (DTW) 57.74

Final Depth to Water (DTW)

Measured Well TD 68.30

− Original DTW 57.74

= Wtr Col Thick. 10.56 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gal/ft = 1.7 gals/casing vol X 3 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.) Disposable Teflon Bailer/Water Quality Meter

Purging Equipment Decontaminated? Y / [✓ N]

Purge Water Containerized? [✓ Y] / N

Average Purge Rate 0.25 gpm

Weather Clear, light wind, 76°F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (mS/cm)	Turbidity (NTU)	DO mg/L	Salinity %	Comments
1002	0.25			18.7	5.88	0.230	24	11.17	0.00	
1010	1.3			17.5	5.90	0.231	98	11.54	0.00	
1017	3.6			17.5	5.86	0.234	77	11.18	0.00	
1024	5.2			17.5	5.89	0.228	90	11.04	0.00	

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

CH2M HILL MONITORING WELL PURGING LOG

Installation Memphis Depot

Well Number MW09 266 225

Site/Project DDMI

Sample ID Number MW093

Project Number 113630.23.02

Purge Start date 9/26/97 time 1035

Purged by D. Marien / S. Short

Purge End date 9/26/97 time 1050

Well Head Reading ______ ppm

Depth Measurement Reference Point Top of Casing

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

Depth to Top and Bottom of Screen 69-79 ft bgs

Original Depth to Water (DTW) 71.02

Final Depth to Water (DTW) ______

Measured Well TD 79.8

− Original DTW 71.02

= Wtr Col Thick. ______ X 2" - 0.16 4" - 0.65 6" - 1.47 gals/ft = ______ gals/casing vol X 3 casing vol = 4.2 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.) 2" Grundfos Submersible

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate 1.0 gpm

Weather Sunny Breezy 75°

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTU)	DO	Salinity	Comments
1030	12	71.02	74	19.5	6.57	.262	300	10.5	0	
1031				19.1	6.47	.267	24	10.9	.01	
1032				19.1	6.47	.268	12.	10.28	.01	
1034				19.2	644	.271	7	10.75	.01	
1048				19.8	644	.281	60	10.63	0	

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

CH2M HILL MONITORING WELL PURGING LOG

266 226

Installation: DDMT

Site/Project: DDMT 03 Groundwater

Project Number: 113630.23.02

Purged by: GFord

Well Head Reading: 0 ppm

Depth Measurement Reference Point: 2" PVC inner casing

Depth to Top and Bottom of Screen: ______ ft bgs

Original Depth to Water (DTW): 57.46

Well Number: MW-10

Sample ID Number: MW1003

Purge Start: date 09/26/97 time 1421

Purge End: date 09/26/97 time 1441

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

Final Depth to Water (DTW): ______

Measured Well TD 68.02

− Original DTW 57.46

= Wtr Col Thick. 10.56 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 1.7 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.) Disp. Teflon Bailer

Purging Equipment Decontaminated? Y / [✓ N]

Purge Water Containerized? [✓ Y] N

Average Purge Rate 0.25 gpm

Weather Sunny, 80°F °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (mS/cm)	Turbidity (NTU)	DO mg/L	Salinity %	Comments
1422	0.25			20.5	5.97	0.192	30	11.92	0.00	
1431	2.0			19.5	5.96	0.274	166	12.58	0.00	
1441	5.0			19.2	5.94	0.226	113	11.71	0.01	SAMPLE

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

CH2M HILL MONITORING WELL PURGING LOG

Installation Memphis Depot

Well Number MW11

Site/Project DDMT

Sample ID Number MW1103

Project Number 113630.23.02

Purge Start date 9/27/97 time 1445

Purged by D. Marion / C. Short

Purge End date 9/27/97 time 1452

Well Head Reading 240 ppm

Depth Measurement Reference Point TOP OF WELL CASING

Well Casing ID [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen 71-91 ft bgs

Original Depth to Water (DTW) 69.04

Final Depth to Water (DTW) 70

Measured Well TD 81.5

− Original DTW 69.04

= Wtr Col Thick. ______ X 2" = 0.16 4" = 0.65 6" = 1.47 gals/ft = ______ gals/casing vol X [✓ 3] casing vol = 6.0 TOTAL PURGE GALLONS

Purged 25 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

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate 2.0 gpm

Weather Sunny, Breezy 83° °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
1445	25	69.04	76	19.9	5.82	.251	999	13.2	0	
1447				18.9	5.91	.248	929	13.89	0	
1450				19	5.93	.248	338	13.13	0	
1452				18.6	5.97	.251	49	12.57	0	
1454				18.9	5.97	.251	19	12.23	0	

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

CH2M HILL MONITORING WELL PURGING LOG

Installation DDMT

Well Number MW12 266 228

Site/Project Qtly GW Sampling Sept 97

Sample ID Number MW123

Project Number 113630.23.02

Purge Start date 9/27/97 time 940

Purged by D. Marion / S. Short

Purge End date 9/27/95 time 959

Well Head Reading 101 ppm ppm

Depth Measurement Reference Point Top of Well Casing

Well Casing ID [✓ 2"] 4" 6" Other -

Depth to Top and Bottom of Screen 73 - 83 ft bgs

Original Depth to Water (DTW) 70.68

Final Depth to Water (DTW) 71

Measured Well TD 83.5

− Original DTW 70.68

= Wtr Col Thick. 12.82 X 2" - 0.16 4" - 0.65 6" - 1.47 gals/ft = 2.05 gals/casing vol X 3 casing vol = 6.15 TOTAL PURGE GALLONS

Purge Method

Submersible Pump X 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.) 2" Grundfos

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate 1.5 gpm

Weather Sunny Breezy 75° °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
1015		70.68	78	19.2	6.31	.238	151	11.71	0	
1017				18.9	6.3	.238	59	11.67	0	
1019				18.8	6.27	.237	76	10.80	0	
1025				18.9	6.27	.237	76	10.9	0	
1029				18.9	6.3	.236	24	11.0	0	
1100				20.4	6.26	.239	82	1254	0	

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

Installation Memphis Depot

Well Number MW13

Site/Project DDMT

Sample ID Number MW133

Project Number 11630.23.02

Purge Start date 9/26/97 time 1525

Purged by D. Marion / S. Shirt

Purge End date 9/26/97 time 1553

Well Head Reading ______ ppm

Depth Measurement Reference Point Top of Well Casing

Well Casing ID: [✓ 2"] 4" 6" Other -

Depth to Top and Bottom of Screen 70 - 80 ft bgs

Original Depth to Water (DTW) 67.62

Final Depth to Water (DTW) 68

Measured Well TD 80.3

- Original DTW 67.62

= Wtr Col Thick. ______ X 2" - 0.16 4" - 0.65 6" - 1.47 gals/ft = ______ gals/casing vol X [✓ 3] casing vol = 6.1 TOTAL PURGE GALLONS

Purged 16 gallons

Purge Method

Submersible Pump X 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.) 2" Grundfos

Purging Equipment Decontaminated? [✓ Y] N

Purge Water Containerized? [✓ Y] N

Average Purge Rate 1.5 gpm

Weather ______ °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
1525	16	67.62	75	21.4	6.22	.212	900	11.76	0	
1527				20	6.18	.215	254	11.65	0	
1529				19.8	6.13	.221	16	12.49	0	
1535				19.9	6.16	.219	1	12.35	0	
1553				20	5.89	.203	64	11.97	0	

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

CH2M HILL MONITORING WELL PURGING LOG

266 230

Installation DDMT

Well Number Mw-14 gk 9/08/97

Site/Project Quarterly GW Sampling Sept 97

Sample ID Number MW9473

Project Number 113630.23.02

Purge Start date 9/24/97 time 1337

Purged by B. Trebble

Purge End date 9/24/97 time ~~145~~ ER 1400

Well Head Reading ____ ppm

Depth Measurement Reference Point ____

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

Depth to Top and Bottom of Screen 68.5 to 78.5 ft bgs

Original Depth to Water (DTW) 71:34

Final Depth to Water (DTW) ____

Measured Well TD 78.5

Original DTW 71.34

= Wtr Col Thick. 7.16 X 2" - 0.16 4" - 0.65 6" - 1.47 gals/ft = 1.15 gals/casing vol X 3 casing vol = 3.34 43 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 Teflon Bailer

Purging Equipment Decontaminated? ~~Y / N~~ NA

Purge Water Containerized? [✓ Y] N

Average Purge Rate ____ gpm

Weather Rain. intermittent warm

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTu)	DO	Salinity	Comments
1340	1.2	NA	NA	19.0	5.90	0.221	>999	-	0.0	Color Amber
1350	2.6	NA	NA	19.0	5.98	0.222	>999	-	0.0	as above
1400	3.5	NA	NA	18.6	5.88	0.221	>999	4.87	0.0	

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

CH2M HILL MONITORING WELL PURGING LOG

266 231

Installation DDMT
Well Number MW 15
Site/Project Qtly G.W. Sampling Sept 97
Sample ID Number MW153
Project Number 9113630.23.02
Purge Start date 9/26/97 time 1040
Purged by B. Trebble
Purge End date 9/26/97 time 1110
Well Head Reading ______ ppm
Depth Measurement Reference Point Top of Casing
Well Casing ID [✓ 2"] 4" 6" Other -
Depth to Top and Bottom of Screen 68 to 78 ft bgs
Original Depth to Water (DTW) 63.96
Final Depth to Water (DTW) ______

Measured Well TD 78.4
− Original DTW ~~64~~ 63.96
= Wtr Col Thick. 14.44 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gal/ft = 2.31 gals/casing vol X 3 casing vol = 6.93 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 Teflon Disposable
Purging Equipment Decontaminated? ~~Y / N~~ NA
Purge Water Containerized? [✓ Y] / N
Average Purge Rate ______ gpm
Weather Sunny Warm Dry °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
1052	2.3	NA	NA	19.3	6.11	0.219	>999	-	0.00	Water silty Bo
1100	4.6	NA	NA	19.2	6.15	0.210	>999	-	0.00	
1110	7.0	NA	NA	18.5	6.15	0.210	>999	5.88	0.00	

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

CH2M HILL MONITORING WELL PURGING LOG

266 232

Installation Memphis Depot

Well Number MW16

Site/Project DDMT

Sample ID Number MW162

Project Number 113630.23.02

Purge Start date ~~1140~~ 9/24/97 time ~~9/24/97~~ 1140

Purged by Dan Marion / Steve Short

Purge End date 9/24/97 time 1220

Well Head Reading ________ ppm

Depth Measurement Reference Point Top of Well Casing

Well Casing ID: [✓ 2"] 4" 6" Other -

Depth to Top and Bottom of Screen 65-75 ft bgs

Original Depth to Water (DTW) 56.64

Final Depth to Water (DTW) 58

Measured Well TD 75.5

− Original DTW 56.64

= Wtr Col Thick. ______ X 2" - 0.16 4" - 0.65 6" - 1.47 gals/ft = ______ gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 9.1 TOTAL PURGE GALLONS

Purged 10 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 2.0 gpm

Weather Cloudy light Drizzle 75° °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
1140		56.6	75.5	20	6.38	0.12	10	9.73	0	Bail
1145		58.0	75.5	19.7	6.36	0.128	9	9.84	0	Bail
1150				18.8	6.35	.182	384	9.87	0	
1155				20.0	6.43	.306	170	9.95	0	
1200				20.0	6.43	.354	195	10.02	0	
1220				20.1	6.41	.421	140	10.19	0	Bail - 10gals Total

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

CH2M HILL MONITORING WELL PURGING LOG

266 233

Installation DDMT

Well Number MW-19

Site/Project Qrtly GW Sampling Sept 97

Sample ID Number MW19Z3 9/28/97

Project Number 113630.23.02

Purge Start date 9/24/97 time 1290

Purged by B Tribble

Purge End date 9/24/97 time 1256

Well Head Reading ______ ppm

Depth Measurement Reference Point top of casing

Well Casing ID: [✓ 2"] 4" 6" Other —

Depth to Top and Bottom of Screen 94 to 95 ft bgs

Original Depth to Water (DTW) 87.11

Final Depth to Water (DTW) ______

Measured Well TD 95.1

− Original DTW 87.11

= Wtr Col Thick. 7.99 x 2" = 0.16 / 4" = 0.65 / 6" = 1.47 gal/ft = 1.28 gals/casing vol X 3 casing vol = 3.84 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 Teflon Bailer

Purging Equipment Decontaminated? Y — N NA

Purge Water Containerized? [✓ Y] / N

Average Purge Rate ______ gpm

Weather Intermittent Rain Warm

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTU)	DO	Salinity	Comments
1250	1.5	NA	NA	18.6	6.27	0.130	>999	—	0.0	Dewatered
12:56			Dewatered							at 2.5gals

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

CH2M HILL MONITORING WELL PURGING LOG

266 234

Installation DDMT

Well Number MW-20 SCR 9/28/97

Site/Project Quarterly GW Sampling Sept 97

Sample ID Number MW20~~7~~3 SCR

Project Number 113630.23.02

Purge Start date 9/24/97 time 9:05

Purged by B Trebble

Purge End date 9/24/97 time 10:20

Well Head Reading ______ ppm

Depth Measurement Reference Point top of casing

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

Depth to Top and Bottom of Screen 88.6 to 98.6 ft bgs

Original Depth to Water (DTW) 84.51

Final Depth to Water (DTW) ______

Measured Well TD 98.6

− Original DTW 84.51

= Wtr Col Thick. 14.09 X 2" - 0.16, 4" - 0.65, 6" - 1.47 gals/ft = 2.25 gals/casing vol X 3 casing vol = 6.76 TOTAL PURGE GALLONS

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~~ NA

Purge Water Containerized? [✓ Y] / N

Average Purge Rate ______ gpm

Weather Intermittent Rain Warm

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTU)	DO	Salinity	Comments
9:20	2.5	NA	NA	18.7	6.90	0.134	>999	—	0.0	Well dewatered
1000	4.75	NA	NA	18.7	~~6.99~~ SCR	0.188	>999	—	0.0	
1015	7	NA	NA	19.4	~~6.79~~ 6.55	0.196	>999	6.4	0.0	
1030	8	NA	NA	18.6	6.74	0.197	>999	7.6	0.0	
	8.5	NA	NA	18.7	6.64	0.193	>999	7.6	0.0	
11:00	10	NA	NA	18.5	6.58	0.203	>999	7.3	0.0	

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

266 235

CH2M HILL MONITORING WELL PURGING LOG

Installation Memphis Depot

Well Number MW21

Site/Project DDMT

Sample ID Number MW2103

Project Number 113630.23.02

Purge Start date 9/27/97 ~~9/26/97~~ time 0820 ~~1435~~

Purged by B. Tribble; ~~D. Maron~~; S. Short SEA

Purge End date 9/27/97 ~~9/26/97~~ time 0855 SEA ~~1442~~

Well Head Reading 0.1 ppm

Depth Measurement Reference Point Top of Well Casing

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen 95-105 ft bgs

Original Depth to Water (DTW) 92.3

Final Depth to Water (DTW)

Measured Well TD 106.6

− Original DTW 92.3

= Wtr Col Thick. 14.3 X 2" = 0.16 4" = 0.65 6" = 1.47 gal/ft = 2.29 gals/casing vol X 3 casing vol = 6.9 TOTAL PURGE GALLONS

Purge Method SEA

Submersible Pump ~~X~~ 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.) Bailer Disposable Teflon

Purging Equipment Decontaminated? Y ~~/N~~ NA

Purge Water Containerized? [✓ Y] / N

Average Purge Rate gpm

Weather Sunny Cool Dry

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTs)	DO	Salinity	Comments
830	2.3	NA	NA	17.8	540	0.256	>999	-	0.00	water silty, brown
845	4.6	NA	NA	17.6	5.86	0.200	>999	-	0.00	
0855	7.0	NA	NA	17.6	6.00	0.197	>999	5.65	0.00	silty brown

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

CH2M HILL MONITORING WELL PURGING LOG

266 236

Installation DDMT

Site/Project Qrtrly GW Sampling Sept 97

Project Number 113630.23.02

Purged by B. Trebble

Well Head Reading ______ ppm

Depth Measurement Reference Point top of casing

Depth to Top and Bottom of Screen 97 to 107 ft bgs

Original Depth to Water (DTW) 96.85

Well Number M.W- 22 gK 9/18/98

Sample ID Number MW222

Purge Start date 9/23/97 time 1400

Purge End date 9/23/97 time 1430

Well Casing ID: [✓ 2"] 4" 6" Other -

Final Depth to Water (DTW) ______

Measured Well TD 107.0

Original DTW 96.85

= Wtr Col Thick. 10.15 X 2" - 0.16 4" - 0.65 6" - 1.47 gal/ft = 1.63 gal/casing vol X 3 casing vol = 4.87 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 Teflon Bailer

Purging Equipment Decontaminated? ~~Y N~~ NA

Purge Water Containerized? [✓ Y] / N

Average Purge Rate ______ gpm

Weather Rain intermittent cool

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTs)	DO	Salinity	Comments
1410	1.1	NA	NA	18.1	6.29	0.388 ~~965~~ 2K 9/24/97	965	-	0.01	water amber color
1417	3.5	NA	NA	18.0	6.27	0.434	>999	—	0.01	amber
1420	5.0	NA	NA	18.1	6.39	0.417	>999	5.36	0.01	amber

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

CH2M HILL MONITORING WELL PURGING LOG

266 237

Installation Memphis Depot

Well Number MW23

Site/Project DDMT

Sample ID Number MW23~~#~~DW03

Project Number 113630.23.02

Purge Start date 9/26/97 time 0840

Purged by D. Marion / S. Short

Purge End date 9/26/97 time 0900

Well Head Reading ________ ppm

Depth Measurement Reference Point Top of Well Casing

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

Depth to Top and Bottom of Screen 102-112 ft bgs

Original Depth to Water (DTW) 98.63

Final Depth to Water (DTW) ________

Measured Well TD 112.94

− Original DTW 98.63

= Wtr Col Thick. ________ X 2" - 0.16 4" - 0.65 6" - 1.47 gals/ft = ________ gals/casing vol X 3 casing vol = 7.0 TOTAL PURGE GALLONS

14 gallons purged

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.) 2" Grundfos

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate Bailed gpm

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
0840	14	99	—	18.4	7.18	.699	179	9.48	.03	
0900				18.1	7.20	.700	436	9.53	.03	

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

CH2M HILL MONITORING WELL PURGING LOG

Installation DDMT

Site/Project

Project Number 113360.23.02

Purged by GFord

Well Head Reading 0 ppm

Depth Measurement Reference Point PVC 2" inner casing

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW) 106.70

Well Number MW-24 266 238

Sample ID Number MW242

Purge Start date 09/24/97 time 1455

Purge End date 09/24/97 time 1530

Well Casing ID: [✓ 2"] 4" 6" Other

Final Depth to Water (DTW)

Measured Well TD 116.83

− Original DTW 106.70

= Wtr Col Thick. 10.13 X [✓ 2" = 0.16] 4" = 0.65 6" = 1.47 gals/ft = 1.6 gals/casing vol X 3 casing vol = 4.9 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 Teflon Bailer

Purging Equipment Decontaminated? Y / N N/A

Purge Water Containerized? [✓ Y] / N

Average Purge Rate 0.25 gpm

Weather Cloudy, 78°F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (mS/cm)	Turbidity (NTs)	DO mg/L	Salinity %	Comments
1455	0.25			18.9	5.91	0.177	10	9.12	0.00	Water yellowish
15.01	2	Dr		18.3	5.88	0.240	999	9.29	0.00	orange in color
1510	3.5			18.3	5.94	0.214	999.	9.51	0.06	
1528	5.0			18.3	5.93	0.205	2	9.57	0.06	Slow Recharge

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

CH2M HILL MONITORING WELL PURGING LOG

SPK 266 239

Installation SPK DDMT

Well Number MW-2225

Site/Project Quinty GW Sampling Sept 97

Sample ID Number MW253

Project Number 113163.23.02

Purge Start date 9/25/97 time 1527

Purged by B. Tribble

Purge End date 9/25/97 time 1540

Well Head Reading ________ ppm

Depth Measurement Reference Point top of casing

Well Casing ID: [✓ 2"] 4" 6" Other –

Depth to Top and Bottom of Screen ~~89~~ SPK 9/25 69 to 79 ft bgs

Original Depth to Water (DTW) 70.01

Final Depth to Water (DTW) ________

Measured Well TD 79.35

Original DTW 72.07

= Wtr Col Thick. 7.34 X 2" = 0.16 4" = 0.65 6" = 1.47 gals/ft = ~~1.14~~ 1.17 SPK gals/casing vol X 3 casing vol = 3.52 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 Teflon bailer

Purging Equipment Decontaminated? ~~Y-N~~ NA

Purge Water Containerized? [✓ Y] / N

Average Purge Rate ________ gpm

Weather Cool partly cloudy dry. °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
1530	1.2	NA	NA	17.9	6.10	0.271	>999	–	0.01	Brown Silty
1535	2.5	NA	NA	17.9	6.18	0.208	>999	–	0.00	as above
1540	3.6	NA	NA	17.6	6.16	0.249	>999	4.67	0.00	as above.

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-26

Site/Project Quarterly G.W. Sampling
Sample ID Number MW263

Project Number 113630-23.02
Purge Start date 9/26/97 time 1005

Purged by B. Trebble
Purge End date 9/26/97 time 1020

Well Head Reading ________ ppm

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

Depth to Top and Bottom of Screen 103 to 113 ft bgs

Original Depth to Water (DTW) 99.40
Final Depth to Water (DTW) ________

Measured Well TD 113.20
− Original DTW 99.40
= Wtr Col Thick. 13.8 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 2.208 gals/casing vol X 3 casing vol = 6.624 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 Teflon Bailer

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

Average Purge Rate ________ gpm

Weather Warm Sunny dry °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
1017	2.2	NA	NA	19.0	6.16	0.357	>999	–	.001	color yellow
			Bailed Dry at 2.5 gals							

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

CH2M HILL MONITORING WELL PURGING LOG

266 241

Installation DDMT
Site/Project Quarterly G.W. Sampling Sept 97
Project Number 113630.23.02
Purged by Bob Trebble
Well Head Reading ______ ppm
Depth Measurement Reference Point top of caseng
Depth to Top and Bottom of Screen 59 to 69 ft bgs
Original Depth to Water (DTW) 55.88

Well Number MW-28
Sample ID Number MW 28 Z3 SKL 9/28/97
Purge Start date 9/23/97 time 10:25
Purge End date 9/23/97 time 10:55
Well Casing ID: [✓ 2"] 4" 6" Other -
Final Depth to Water (DTW) ______

Measured Well TD 69
− Original DTW 55.88
= Wtr Col Thick. 13.12 X 2" - 0.16 / 4" - 0.65 / 6" - 1.47 gal/ft = 2.10 gals/casing vol X 1 2 [✓ 3] 4 casing vol = 6.30 TOTAL PURGE GALLONS

Purge Method SKL 9/23/97
Submersible Pump __ Dedicated Bladder Pump __ ~~Bladder Pump~~ X 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~~ NA
Purge Water Containerized? [✓ Y] / N
Average Purge Rate ______ gpm
Weather Overcast warm humid °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
10:34	2	NA	NA	18.9	6.07	0.293	>999	–	0.0	Color Brownish orange
1043	4	NA	NA	18.9	6.00	0.272	>999	–	0.0	Color as above
1055	6.2	NA	NA	18.6	5.84	0.223	>999	5.15	0.0	DO. not flowthru
										Color as above

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-29

Site/Project Qtrly G.W. Sampling Sept 97

Sample ID Number MW293

Project Number 113630.23.02

Purge Start date 9/26/97 time 1130

Purged by B. Trebble

Purge End date 9/26/97 time 1200

Well Head Reading ______ ppm

Depth Measurement Reference Point Top of Casing

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

Depth to Top and Bottom of Screen 43 to 53 ft bgs

Original Depth to Water (DTW) 35.97

Final Depth to Water (DTW) ______

Measured Well TD 53.78

− Original DTW 35.97

= Wtr Col Thick. 17.81 X 2" = 0.16 4" = 0.65 6" = 1.47 gals/ft = 2.84 gals/casing vol X 1 2 [✓ 3] 4 casing vol = 8.54 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 Teflon Bailer

Purging Equipment Decontaminated? ~~Y~~ ~~N~~ NA

Purge Water Containerized? [✓ Y] N

Average Purge Rate ______ gpm

Weather Sunny Warm dry °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
1140	2.8	NA	NA	19.0	6.14	0.348	>999	—	0.01	silty water amber brown
1146	5.6	NA	NA	18.6	6.23	0.354	>999	—	0.01	as above
1200	8.5	NA	NA	18.1	6.24	0.349	>999	4.11	0.01	

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

CH2M HILL MONITORING WELL PURGING LOG

266 243

Installation Memphis Depot

Site/Project DRMT

Project Number 113630.23.02

Purged by Dan Marion / Steve Short

Well Head Reading ______ ppm

Depth Measurement Reference Point TOP OF WELL CASING

Depth to Top and Bottom of Screen 50 - 60 ft bgs

Original Depth to Water (DTW) 42.62

Well Number MW30

Sample ID Number MW302

Purge Start date 9/24/97 time 1400

Purge End date 9/24/97 time 1425

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

Final Depth to Water (DTW) 44

Measured Well TD 60

− Original DTW 42.62

= Wtr Col Thick. ______ X 2" - 0.16 4" - 0.65 6" - 1.47 gals/ft = ______ gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 84 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 2" Dia Sub. Pump

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate 0.5 gpm

Weather Cloudy, Light Drizzle 75 °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
1400			55	18.5	6.26	.398	546	10.37	0	Pumping
1404				18.3	6.27	.515	999	10.22	0	Pumping
1407				18.3	6.29	.437	999	1017	0	Pumping
14~~08~~9				18.5	6.28	.402	534	10.13	0	Pumping
1410				18.4	6.26	.396	232	10.20	0	Pumping
1415				18.5	6.27	.370	-10	10.12	0	Pumping
1425				18.4	6.26	.365	-10	10.42	0	Pumping

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

CH2M HILL MONITORING WELL PURGING LOG

266 244

Installation DDMT

Site/Project Quarterly G.W. Sampling Sept 97

Project Number 113630.23.02

Purged by Bob Trebble

Well Head Reading ________ ppm

Depth Measurement Reference Point top of casing

Depth to Top and Bottom of Screen ~76 to 86 ft bgs

Original Depth to Water (DTW) 63.60

Well Number MW-31 SKR 9/28/97

Sample ID Number MW31Z3 ~~13~~ SKR 9/23/97

Purge Start date 9/23/97 time 1325

Purge End date 9/23/97 time ~~1350~~ 1360 SKR 9/23/97

Well Casing ID: [✓ 2"] 4" 6" Other —

Final Depth to Water (DTW) ________

Measured Well TD 86

− Original DTW 63.60

= Wtr Col Thick. 22.4 X 2" - 0.16 / 4" - 0.65 / 6" - 1.47 gals/ft = 3.58 gals/casing vol X 3 casing vol = 10.74 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.) Grunfos 2" pump

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate 0.55 gpm

Weather Overcast warm humid intermittent Rain

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTs)	DO	Salinity	Comments
1330	3.8	NA	82	18.7	6.04	0.327	>999	3.33	0.01	Color orange brown
1336	7	NA	82	18.6	6.00	0.30	>100	3.62	0.01	gray
1342	10.5	NA	82	18.4	5.97	0.324	>100	3.65	0.01	Clear
1350	11	NA	82	18.4	5.97	0.324	>100	3.65	0.01	clear
Final parameters										
1355	15	NA	82	17.9	5.95	0.322	27	4.79	0.01	Clear

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

CH2M HILL MONITORING WELL PURGING LOG

Installation DBMP

Site/Project 03. Groundwater

Project Number 113630. 23.02

Purged by G Ford

Well Head Reading 0 ppm

Depth Measurement Reference Point 2" inner Casing PVC

Depth to Top and Bottom of Screen ______ ft bgs

Original Depth to Water (OTW) 58.96

Well Number MW-32

Sample ID Number MW3203

Purge Start date 09/22/97 time 1356

Purge End date 09/28/96 time 1420

Well Casing ID: [✓ 2"] 4" 6" Other -

Final Depth to Water (DTW) ______

Measured Well TD 68.60

− Original DTW 58.96

= Wtr Col Thick. 9.64 X [✓ 2" = 0.16] 4" = 0.65 6" = 1.47 gals/ft = 1.4 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.) Disposable Teflon Bailer / water Quality Checker

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 (mS/cm)	Turbidity (NTu)	DO mg/L	Salinity %	Comments
1357	0.25			19.4	5.89	0.328	131	11.60	0.01	
1405	1.5			18.3	5.64	0.524	110	11.81	0.02	
1416	3.0			19.1	5.92	0.552	381	11.61	0.02	
1420	4.5			19.4	5.32	0.567	98	10.99	0.02	

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

MONITORING WELL PURGING LOG

266 246

Installation Memphis Depot

Well Number MW33

Site/Project 2DMT

Sample ID Number MW3303

Project Number 113630.23.02

Purge Start date 9/25/97 time 1040

Purged by D. Marion/S. Short

Purge End date 9/25/97 time 1103

Well Head Reading ______ ppm

Depth Measurement Reference Point Top of Well Casing

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

Depth to Top and Bottom of Screen 49-59 ft bgs

Original Depth to Water (DTW) 47.46

Final Depth to Water (DTW) 47.5

Measured Well TD 59.1

− Original DTW 47.46

= Wtr Col Thick. ______ X 2" = 0.16 4" = 0.65 6" = 1.47 gals/ft = ______ gals/casing vol X 3 casing vol = 5.7 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.) Bailer for VOC after collecting metals Sample.

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N Let set prior to collecting VOCs.

Average Purge Rate 0.5 gpm

Weather Cloudy 70° Drizzle

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTs)	DO	Salinity	Comments
1040			55	17.7	6.04	.202	647	9.98	0	
1042				17.6	6.02	.201	999	9.82	0	
1045				17.7	5.97	.198	338.	9.77	0	
1047				17.6	5.94	.198	125	9.79	0	
1049				17.4	5.94	.198	59	9.26	0	
1103				17.7	5.94	.200	89	9.63	0	

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

CH2M HILL MONITORING WELL PURGING LOG

266 247

Installation Menphis Depot
Well Number MW34
Site/Project DDMT
Sample ID Number MW3403
Project Number 113630.23.02
Purge Start date 9/26/97 time 1642
Purged by D. Marien / S. Short
Purge End date 9/26/97 time 1705
Well Head Reading ______ ppm
Depth Measurement Reference Point Top of Well Casing
Well Casing ID [✓ 2"] 4" 6" Other ______
Depth to Top and Bottom of Screen 152-163 ft bgs
Original Depth to Water (DTW) 137.78
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 gal/ft = ______ gals/casing vol X 5 casing vol = 10.2 TOTAL PURGE GALLONS

Purged 20 gal

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

Purging Equipment (Make, Model, Etc.) 2" Grundfos Submersible

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

Average Purge Rate 1.5 gpm

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
1635	20	137.78	158	21.5	6.12	.179	175	11.48	0	
1637				20.6	6.10	.178	47	11.72	0	
1640				20.2	6.10	.178	24	11.14	0	
1642				20.4	6.12	.181	26	11.41	0	
1705				20.6	6.07	.180	57	10.86	0	

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-35

Site/Project Qtly GW Sampling Sept 97

Sample ID Number MW3503

Project Number 113630.23.02

Purge Start date 9/27/97 time 940

Purged by D. Marion / S. Short

Purge End date 9/27/97 time 1055

Well Head Reading 10L ppm

Depth Measurement Reference Point Top of Well Casing

Well Casing ID: [✓ 2"] 4" 6" Other —

Depth to Top and Bottom of Screen 78 - 88 ft bgs

Original Depth to Water (DTW) 69.84

Final Depth to Water (DTW) 70

Measured Well TD 88.38

− Original DTW 69.84

= Wtr Col Thick. 18.54 X 2" - 0.16 4" - 0.65 6" - 1.47 gals/ft = 2.97 gals/casing vol X [✓ 3] 4 5 casing vol = 8.90 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

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate 1.5 gpm

Weather Sunny 75° Breezy °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
940		69.84	83	18.5	604	.259	322	9.95	0	
942				18.4	607	.249	148	10.0	0	
944				18.5	6.07	.245	95	9.9	0	
945				18.7	6.05	.284	34	9.77	0	
1055				22	6.06	.243	247	10.12	0	

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

CH2M HILL MONITORING WELL PURGING LOG

266 249

Installation Memphis Defense Depot (DDMT)

Well Number MW-36

Site/Project Dunn Field

Sample ID Number MW3603

Project Number

Purge Start date 09/23/97 time 1300

Purged by J. Wood / E. Ford / D. Marion

Purge End date 9/24/97 time 1000

Well Head Reading 0 ppm

Depth Measurement Reference Point PVC Inner Casing

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen 209-199 ft bgs

Original Depth to Water (DTW) 160.64

Final Depth to Water (DTW)

Measured Well TD 209

− Original DTW 160.44

= Wtr Col Thick. 48.96 X 2" = 0.16 4" = 0.65 6" = 1.47 gal/ft = ______ gals/casing vol X 3 casing vol = 23.5 TOTAL PURGE GALLONS

Purged 62 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.)

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate 0.25 gpm

Weather RAIN, Temp. 80°F, light wind

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTs)	DO	Salinity	Comments
9/23: 1300		160								Bail 5 gal
9/23 1400		170								Bail 5 gal
9/23 1500		185								Bail 5 gal
9/23 1530		200								Bail 5 gal
9/23 1600		200								Bail 10 gal
9/23 1700		200								Bail 10 gal
9/24 1005		160	170	19.0	6.79	.197	18.0	10.56	0	Bail -[1-Liter]
1050				19.1	7.72	.153	18.2	10.46	0	

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

CH2M HILL MONITORING WELL PURGING LOG

266 250

Installation: DDMT

Well Number: MW-37

Site/Project: 03 Groundwater

Sample ID Number: MW3703

Project Number: 113630.23.02

Purge Start: date 09/28/97 time 0945

Purged by: GFord

Purge End: date 09/28/97 time 1010

Well Head Reading: 0 ppm

Depth Measurement Reference Point: 2" inner casing PVC

Well Casing ID: [✓ 2"] 4" 6" Other: -

Depth to Top and Bottom of Screen: ft bgs

Original Depth to Water (DTW): 135.66

Final Depth to Water (DTW):

Measured Well TD: 183.55

\- Original DTW: 135.66

= Wtr Col Thick.: 48.55 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 7.8 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 23.3 TOTAL PURGE GALLONS

Purge Method: Submersible Pump ☒ Dedicated Bladder Pump _ Bladder Pump _ Bailer ☒ gw SS _ ~~Tef~~ gw PVC _ Centrifugal Pump _ Peristaltic Pump _ Hand Pump _ Gas Lift/Displacement Pump _ Other _

Purging Equipment (Make, Model, Etc.): Redi-Flo 2, Horiba Water Quality Checker

Purging Equipment Decontaminated? Y / [✓ N]

Purge Water Containerized? [✓ Y] / N

Average Purge Rate: 0.75 gpm

Weather: Clear, 76°F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (mS/cm)	Turbidity (NTu)	DO mg/L	Salinity %	Comments
0945	3			20.9	6.32	~~0.632~~ gw 0.285	81	9.71	0.01	
0949	10			19.3	6.47	0.290	>999	10.41	0.01	
0953	17			19.7	6.54	0.295	92	10.24	0.01	
1000	20			19.9	6.54	0.299	379	10.23	0.01	
1010	23			20.2	6.45	0.302	93	9.65	0.01	

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

CH2M HILL MONITORING WELL PURGING LOG

266 251

Installation DDMT

Well Number MW-38 ← 9/28/97

Site/Project Quarterly GW Sampling Sept 97

Sample ID Number MW38~~7~~3 63

Project Number 113630.23.02

Purge Start date 9/25/97 time 850

Purged by B. Trebble

Purge End date 9/25/97 time 1046

Well Head Reading ________ ppm

Depth Measurement Reference Point Top of Casing

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

Depth to Top and Bottom of Screen 144 to 154 ft bgs

Original Depth to Water (DTW) 134.29

Final Depth to Water (DTW) ________

Measured Well TD 154

− Original DTW 134.29

= Wtr Col Thick. 19.71 X 2" = 0.16 / 4" = 0.65 / 6" = 1.47 gal/ft = 3.15 gals/casing vol X 3 casing vol = 9.46 TOTAL PURGE GALLONS

9

Purge Method

Submersible Pump X 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.) Grunfos 2" pump changed to bailer disposable teflon

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate ________ gpm

Weather intermittent rain cool - upper 60's

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTu)	DO	Salinity	Comments
910	Dewatered well with Pump Changed to Bailer									
1002	3	NA	NA	17.8	5.33	0.166	194	-	0.0	water brown-gray
1025	6.3	NA	NA	17.7	6.26	0.146	130	-	0.0	water clear
1046	9.5	NA	NA	17.7	6.26	0.153	166	4.83	0.0	water clear

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-~~26~~ 39

Site/Project Quarterly G.W Sampling Sept 97

Sample ID Number MW~~263~~393

Project Number 113630.23.02

Purge Start date 9/26/97 time 8:30

Purged by B. Trebble

Purge End date 9/26/97 time 920

Well Head Reading ______ ppm

Depth Measurement Reference Point Top of casing

Well Casing ID [✓ 2"] 4" 6", Other -

Depth to Top and Bottom of Screen 105 to 115 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 = 1.97 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 5.93 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 Teflon Bailer

Purging Equipment Decontaminated? ~~Y / N~~ NA

Purge Water Containerized? [✓ Y] / N

Average Purge Rate ______ gpm

Weather Sunny Warm

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTs)	DO	Salinity	Comments
845	2	NA	NA	17.9	6.31	0.368	194	–	0.01	water clear
902	4	NA	NA	17.8	6.34	0.311	111	–	0.01	clear
920	6	NA	NA	17.9	6.40	0.297	111	4.95	0.01	

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

CH2M HILL MONITORING WELL PURGING LOG

266 253

Installation DDMT

Well Number MW-40

Site/Project

Sample ID Number MW403

Project Number 113630.23.02

Purge Start date 09/25/97 time 0905

Purged by GFord

Purge End date 09/25/97 time 0945

Well Head Reading 0 ppm

Depth Measurement Reference Point 2" PVC inner casing

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW) 80.03

Final Depth to Water (DTW)

Measured Well TD 95.27

− Original DTW 80.03

= Wtr Col Thick. 15.24 x [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gal/ft = 2.4 gals/casing vol X 3 casing vol = 7.3 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 Teflon Bailer, Horiba Water Quality Meter

Purging Equipment Decontaminated? Y / [✓ N]

Purge Water Containerized? [✓ Y] / N

Average Purge Rate 0.25 gpm

Weather Cloudy, misty rain, 74°F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (mS/cm)	Turbidity (NTs)	DO mg/L	Salinity %	Comments
0912	0.25			18.0	6.22	0.587	20	9.38	0.02	
0920	2.5	—		18.0	6.13	0.617	17	9.35	0.02	
0934	5.0			18.1	6.14	0.622	18	9.39	0.01	
0945	7.5			18.0	6.12	0.630	<10	9.38	0.01	SAMPLE

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

CH2M HILL MONITORING WELL PURGING LOG

266 254

Installation BDMT

Well Number MW-41

Site/Project 03 Groundwater

Sample ID Number MW4103

Project Number 113630.23.02

Purge Start date 09/27/97 time 0815

Purged by GFord

Purge End date 09/27/97 time 0840

Well Head Reading 0 ppm

Depth Measurement Reference Point 2" inner PVC casing

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW) 64:82

Final Depth to Water (DTW)

Measured Well TD 67.14

− Original DTW 64.82

= Wtr Col Thick. 2.32 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = ~~.4~~ 2" 0.37 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 1.1 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 Teflon Bailer/water Quality Meter

Purging Equipment Decontaminated? Y / [✓ N]

Purge Water Containerized? [✓ Y] / N

Average Purge Rate 0.25 gpm

Weather Clear, 72°F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (mS/cm)	Turbidity (NTU)	DO mg/L	Salinity %	Comments
0815	0.25			18.7	5.61	0.262	91	10.20	0.01	
0817	~~1.25~~ 0.75			18.2	5.84	0.228	34	9.45	0.00	
~~5~~ 0840	1.0			17.9	5.79	0.231	50	9.79	0.00	

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

* Well very slow to recharge

CH2M HILL MONITORING WELL PURGING LOG

Installation DDMT

Well Number MW-42

Site/Project 03 Groundwater

Sample ID Number MW4203

Project Number 113630.23.02

Purge Start date 09/22/97 time 0914

Purged by GFord

Purge End date 09/22/97 time 0921

Well Head Reading 0.4 ppm

Depth Measurement Reference Point 2" PVC inner casing

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 59.0

− Original DTW 53.67

= Wtr Col Thick. ~~59.0~~ [illegible] X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gal/ft = 0.87 gals/casing vol X 3 casing vol = 2.6 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.) Disposable Teflon Bailer/ Water Quality Meter

Purging Equipment Decontaminated? Y / [✓ N]

Purge Water Containerized? Y / N

Average Purge Rate 0.25 gpm

Weather Sunny. 76°F.

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (mS/cm)	Turbidity (NTu)	DO mg/L	Salinity %	Comments
0915	0.25			18.0	5.70	0.147	77	10.32	0.00	
0918	1.5			17.0	5.69	0.158	349	10.43	0.00	
0921	2.5			17.5	5.72	0.162	170	10.26	0.00	

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

[illegible] MONITORING WELL PURGING LOG

266 256

Installation DDMT

Site/Project -

Project Number 113630.23.02

Purged by G Ford

Well Head Reading 0 ppm

Depth Measurement Reference Point 2" PVC, inner casing

Depth to Top and Bottom of Screen ft bgs

Original Depth to Water (DTW) 48.80

Well Number MW-44

Sample ID Number MW443

Purge Start date 09/25/97 time 1040

Purge End date 09/25/97 time 1130

Well Casing ID: [✓ 2"] 4" 6" Other -

Final Depth to Water (DTW)

Measured Well TD 73.02

− Original DTW 48.80

= Wtr Col Thick. 24.22 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 3.9 gals/casing vol X [✓ 3] casing vol = 11.7 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 Teflon Bailer/ Horiba U-10 Water Quality Meter

Purging Equipment Decontaminated? Y / [✓ N]

Purge Water Containerized? [✓ Y] / N

Average Purge Rate 0.25 gpm

Weather Cloudy, 76°F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (mS/cm)	Turbidity (NTs)	DO mg/L	Salinity %	Comments
1040	0.25			17.6	9.54	0.129	51	9.44	0.00	
1100	3.0			17.5	6.19	0.216	60	9.79	0.00	
1113	7.6			17.5	6.04	0.259	139	9.77	0.00	
1125	12.0			17.7	6.00	0.240	20	9.86	0.00	SAMPLE

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

[illegible]

Installation DDMT

Well Number MW-45

Site/Project Q3 Groundwater

Sample ID Number MW453

Project Number 113360.23.02

Purge Start date 09/25/97 time 0810

Purged by G Ford

Purge End date 09/25/97 time 0850

Well Head Reading 36.5 ppm

Depth Measurement Reference Point PVC 2" inner casing

Well Casing ID: [✓ 2"] 4" 6" Other -

Depth to Top and Bottom of Screen ______ ft bgs

Original Depth to Water (DTW) 52.90

Final Depth to Water (DTW) ______

Measured Well TD 68.18

\- Original DTW 52.90

= Wtr Col Thick. 15.28 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 2.4 gals/casing vol X 3 casing vol = 7.2 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.) Disposable Teflon Bailer

Purging Equipment Decontaminated? ~~Y / N~~ N/A

Purge Water Containerized? [✓ Y] / N

Average Purge Rate 0.25 gpm

Weather Cloudy, Misty Rain, 72°F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (mS/cm)	Turbidity (NTU)	DO mg/L	Salinity	Comments
0811	0.25			18.5	6.03	0.282	66	9.65	0.01	yellow-orange
0821	2.4			18.4	5.99	0.290	>999	9.45	0.01	water
0837	4.8			18.2	5.94	0.294	>999	9.37	0.01	

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-46 SGK 9/28/97

Site/Project Quarterly G.W Sampling
Sample ID Number MW46-3

Project Number 115630.23.02
Purge Start date 9/23/97 time 8:43

Purged by Bob Trebble
Purge End date 9/23 time ~~8~~ SGK 9:25

Well Head Reading ______ ppm

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

Depth to Top and Bottom of Screen 60 to 70 ft bgs

Original Depth to Water (DTW) 50.32
Final Depth to Water (DTW) ______

Measured Well TD ~~5~~ SGK 9/23/97 70
− Original DTW 50.32
= Wtr Col Thick. 19.68 X 2" - 0.16 4" - 0.65 6" - 1.47 gals/ft = 3.15 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 9.45 TOTAL PURGE GALLONS

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~~ NA
Purge Water Containerized? [✓ Y] / N yes.

Average Purge Rate ______ gpm

Weather Overcast humid on and off rain warm °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
8:50	3	NA	NA	18.8	5.75	0.207		—	0.0	color lt amber
910	6	NA	NA	18.6	5.91	0.223	93	—	0.0	Clear color
9:25	9.5	NA	NA	18.2	5.93	0.244	92	4.16	0.0	Clear

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

CH2M HILL MONITORING WELL PURGING LOG

266 259

Installation DDMT

Well Number MW-47

Site/Project Quarterly G.W Sampling Sept 97

Sample ID Number MW473 SGR 9/26/97

Project Number 113630.23.02

Purge Start date 9/26/97 time 14~~45~~50

Purged by B. Trebble

Purge End date 9/26/97 time 1600

Well Head Reading ______ ppm

Depth Measurement Reference Point ______

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

Depth to Top and Bottom of Screen 111 to 121 ft bgs

Original Depth to Water (DTW) 101.25

Final Depth to Water (DTW) ______

Measured Well TD 121.72

− Original DTW 101.25

= Wtr Col Thick. 20.47 X [✓ 2" = 0.16] 4" = 0.65 6" = 1.47 gal/ft = 3.28 gals/casing vol X [✓ 3] casing vol = 9.83 TOTAL PURGE GALLONS

Purge Method

Submersible Pump ___ Dedicated Bladder Pump ___ Bladder Pump ___ Bailer Y SS ___ Tef X 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~~ NA

Purge Water Containerized? [✓ Y] N

Average Purge Rate ______ gpm

Weather Sunny warm dry

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTu)	DO	Salinity	Comments
1510	3.3	NA	NA	19.2	6.3	0.194	556	–	0.00	Water Clear
1527	6.6	NA	NA	18.9	6.4	0.281	627	–	0.01	
1550	10.	NA	NA	18.7	6.4	0.337	>999	–	0.01	
1600	13.0	NA	NA	18.4	6.3	0.341	>999	5.36	0.01	Cloudy
1605	13	NA	NA	18.5	6.38	0.354	~~>~~ 680	4.23	0.01	Clear

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

MONITORING WELL PURGING LOG

Installation Memphis Depot
Well Number MW48
Site/Project DDMT
Sample ID Number MW482
Project Number 113630.23.02
Purge Start date 9/25/97 time 1445
Purged by D. Marcin / S. Short
Purge End date 9/25/97 time 1505
Well Head Reading ______ ppm
Depth Measurement Reference Point Top of Well Casing
Well Casing ID [✓ 2"] 4" 6" Other -
Depth to Top and Bottom of Screen 83-93 ft bgs
Original Depth to Water (DTW) 78.62
Final Depth to Water (DTW) 78.62

Measured Well TD 93.5
Original DTW 78.62
= Wtr Col Thick. ______ X 2" - 0.16 4" - 0.65 6" - 1.47 gals/ft = ______ gals/casing vol X 3 casing vol = 7.14 TOTAL PURGE GALLONS
Purged 22 gallons

Purge Method
Submersible Pump X
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.) 2" Dia Grunfos
Purging Equipment Decontaminated? [✓ Y] / N
Purge Water Containerized? Y / N
Average Purge Rate 0.5 gpm
Weather ______

Time Dw	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTU)	DO	Salinity %	Comments
~~1445~~ 1445		78.62	88	19.5	6.25	.265	354		0	
1448				19.5	6.25	.266	229		0.01	
1502				19.6	6.23	.266	103		0.01	
1505				19.6	6.24	.268	24		0.01	
1520				19.3	6.27	.227	17		0	

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

CH2M HILL MONITORING WELL PURGING LOG

266 261

Installation Memphis Depot

Well Number MW49

Site/Project DDMT

Sample ID Number MW49e

Project Number 113630.23.02

Purge Start date 9/24/97 time 1045

Purged by Dan Marion / Steve Short

Purge End date 9/24/97 time 1320

Well Head Reading 1.1 ppm ppm

Depth Measurement Reference Point Top of Well Casing

Well Casing ID: [✓ 2"] 4" 6" Other -

Depth to Top and Bottom of Screen 65-75 79-89 ft bgs

Original Depth to Water (DTW) 75.8

Final Depth to Water (DTW)

Measured Well TD 89.42

− Original DTW 75.8

= Wtr Col Thick. ______ X 2" = 0.16, 4" = 0.65, 6" = 1.47 gals/ft = ______ gals/casing vol X [✓ 3] casing vol = 6.5 TOTAL PURGE GALLONS

Reqd

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] Disposible Bailer

Purge Water Containerized? [✓ Y] / N

Average Purge Rate 1.5 gpm

Weather Cloudy, Light Drizzle 75°

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTU)	DO	Salinity	Comments
1245		76.1	Bail	18.8	5.92	.158	NA	10.95	0	Bail
1300			Bail	18.5	5.91	.185	950	10.98	0	Bail
1310				18.3	5.87	.185	990	10.84	0	Bail
1320				18.2	5.83	.196	999	~~9.99~~ 10.72	0	Bail

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

CH2M HILL MONITORING WELL PURGING LOG

266 262

Installation DDMT

Well Number MW-50

Site/Project Q3 Groundwater

Sample ID Number ~~MW0023~~ gw MW503 2 gw

Project Number 113630.23.02

Purge Start date 09/24/97 time 1017

Purged by G. Ford

Purge End date 09/24/97 time 1150

Well Head Reading 0 ppm

Depth Measurement Reference Point PVC inner casing

Well Casing ID: [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen T ~~85 - 75~~ ft bgs

Original Depth to Water (DTW) 85.01

Final Depth to Water (DTW)

Measured Well TD 129.18

− Original DTW 85.01

= Wtr Col Thick. 44.17 X 2" - 0.16 4" - 0.65 6" - 1.47 gal/ft = 7.1 gals/casing vol X 3 casing vol = 21.2 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.) Bailer

Purging Equipment Decontaminated? ~~Y / N~~ gw N/A

Purge Water Containerized? [✓ Y] / N

Average Purge Rate 0.25 gpm

Weather Cloudy, 76 °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity mS/cm	Turbidity (NTU)	DO mg/L	Salinity %	Comments
1017	0.25			19.7	5.52	0.132	10	9.38	0.00	
1049	7.1	gw		19.4	6.35	0.093	10	9.21	0.00	
1121	14.2			19.3	6.46	0.272	7	9.15	0.01	
1150	21.3			19.2	6.67	0.394	8	9.25	0.01	SAMPLE

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

CH2M HILL MONITORING WELL PURGING LOG

Installation DDMT

Well Number MW51

Site/Project 113030-23.02

Sample ID Number MW5103

Project Number Qrtly G.Wa Sampling Sept 97

Purge Start date 9/27/97 time 14:35

Purged by B.Trebble

Purge End date 9/27/97 time 1510

Well Head Reading ______ ppm

Depth Measurement Reference Point Top Casing

Well Casing ID [✓ 2"] 4" 6" Other -

Depth to Top and Bottom of Screen 58 to 68 ft bgs

Original Depth to Water (DTW) 37.28

Final Depth to Water (DTW) ______

Measured Well TD 68.82

− Original DTW 37.28

= Wtr Col Thick. 31.34 x 2" - 0.16 4" - 0.65 6" - 1.47 gals/ft = 5.01 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 15.4 TOTAL PURGE GALLONS

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~~ NA

Purge Water Containerized? [✓ Y] / N

Average Purge Rate ______ gpm

Weather Sunny Warm Dry

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTu)	DO	Salinity	Comments
1443	5	NA	NA	20.4	5.86	0.281	>999	–	0.01	water clear
1457	10	NA	NA	19.0	6.00	0.280	855	–	0.01	yellow
1510	15.	NA	NA	18.6	6.07	0.279	645	0.02	0.01	

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-52
Site/Project Q3 Groundwater
Sample ID Number MW522
Project Number 113360.23.02
Purge Start date 09/24/97 time 1315
Purged by G. Ford
Purge End date 09/24/97 time 1400
Well Head Reading 0 ppm
Depth Measurement Reference Point 2" PVC inner casing
Well Casing ID: [✓ 2"] 4" 6" Other -
Depth to Top and Bottom of Screen ft bgs
Original Depth to Water (DTW) 79.95
Final Depth to Water (DTW)

Measured Well TD 105.0
− Original DTW 79.75
= Wtr Col Thick. 25.05 X 2" - 0.16 4" - 0.65 6" - 1.47 gals/ft = 4.0 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 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 N/A gw
Purge Water Containerized? [✓ Y] N
Average Purge Rate 0.25 gpm
Weather Cloudy, 80°F °F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( ) mS/cm	Turbidity (NTU)	DO mg/L	Salinity %	Comments
1315	0.25			20.0	6.74	0.118	10	9.12	0.00	
1335	4.0			19.0	6.07	0.539	4	9.57	0.02	
1353	8.25			18.8	6.03	0.512	8	9.58	0.02	
1410	12.25			18.4	6.02	0.439	7	9.63	0.01	SAMPLE

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

[illegible] MONITORING WELL PURGING LOG

Installation Memphis Depot

Well Number MW53 266 265

Site/Project DDMT

Sample ID Number MW53 03

Project Number 113630:23.02

Purge Start date 9/26/97 time 935

Purged by D. Marion/S. Short

Purge End date 9/26/97 time 1000

Well Head Reading ppm

Depth Measurement Reference Point Top of Well Casing

Well Casing ID [✓ 2"] 4" 6" Other

Depth to Top and Bottom of Screen 73-83 ft bgs

Original Depth to Water (DTW) 72.21

Final Depth to Water (DTW) 73

Measured Well TD 83.04

− Original DTW 72.21

= Wtr Col Thick. X 2" - 0.16 4" - 0.65 6" - 1.47 gals/ft = gals/casing vol X 3 casing vol = 5.19 TOTAL PURGE GALLONS

16 gallon purged

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 2" Submersible

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? [✓ Y] / N

Average Purge Rate 0.5 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	Comments
935		72.2	78	19	6.24	.502	322	9.9	.01	
937				19.7	6.18	1502	118	9.67	.02	
939				19	6.18	.502	65	9.67	.02	
941				19.3	6.18	.503	12	10.09	.02	
1000				20.01	6.12	.454	101	9.63	.01	

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

CH2M HILL MONITORING WELL PURGING LOG

Installation DDMT

Site/Project D3 Groundwater

Project Number 113630.23.02

Purged by G Ford

Well Number MW-54

Sample ID Number MW543

Purge Start date 09-25-97 time 1530

Purge End date 09/25/97 time 1620

Well Head Reading 0 ppm

Depth Measurement Reference Point 2" PVC inner casing

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 100.36

− Original DTW 73.73

= Wtr Col Thick. 26.63 X [✓ 2" - 0.16] 4" - 0.65 6" - 1.47 gals/ft = 4.3 gals/casing vol X 1 2 [✓ 3] 4 5 casing vol = 12.9 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.) ______

Purging Equipment Decontaminated? Y / [✓ N]

Purge Water Containerized? [✓ Y] / N

Average Purge Rate 0.25 gpm

Weather Partly Cloudy, breezy, 78°F

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity (mS/cm)	Turbidity (NTu)	DO mg/L	Salinity %	Comments
1530	0.25			17.2	6.17	0.171	<10	9.78	0.00	
1545	4.5			18.1	6.10	0.181	347	10.07	0.00	
1605	9.0			18.5	6.19	0.182	52	10.13	0.00	
1620	13.0			18.3	6.12	0.179	181	10.05	0.00	

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

CHM HILL MONITORING WELL PURGING LOG

266 267

Installation Memphis Depot

Well Number MW55

Site/Project DDMT

Sample ID Number MW553

Project Number 113630.23.02

Purge Start date 9/25/97 time 1140

Purged by D. Macieo / S. Short

Purge End date 9/25/97 time 1200

Well Head Reading ________ ppm

Depth Measurement Reference Point Top of Well Casing

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

Depth to Top and Bottom of Screen 64-74 ft bgs

Original Depth to Water (DTW) 69.26

Final Depth to Water (DTW) ________

Measured Well TD 74.08

Original DTW 69.26

= Wtr Col Thick. ________ X 2" = 0.16 4" = 0.65 6" = 1.47 gals/ft = ________ gals/casing vol X 3 casing vol = 24 TOTAL PURGE GALLONS

Purged 5 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.) ________

Purging Equipment Decontaminated? [✓ Y] / N

Purge Water Containerized? Y / N

Average Purge Rate ________ gpm

Weather Cloudy, 70° Drizzle

Time	Volumes Purged (gallons)	Depth to Water (feet)	Depth of Pump Intake (feet)	Temp °C	pH (s.u.)	Conductivity ( )	Turbidity (NTs)	DO	Salinity	Comments
840		69.26		19.1	5.92	.260	469	9.44	0	
900				19.4	5.85	.238	391	9.11	0	
910				18.6	5.85	.227	120	9.07	0	
1140				18.6	5.98	.237	286	9.32	0	
1200				18.3	5.90	.234	452	9.30	0	

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

Appendix D

Sample Logs

CH2M HILL MONITORING WELL SAMPLING LOG

266 269
Form Number

Installation ODWT

Well Number MW-2

Site/Project Q3 Groundwater

Sample ID Number MW203

Project Number 113630.23.02

Sample Start date ~~1405~~ 9/26/97 time ~~1405~~ 1410

Sampled by GFord/JWOOD

Sample End date 09/26/97 time 1420

Original Static Water Level 20 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
	°C		mS/cm	NTU	mg/L	%
1410	18.5	6.13	0.530	99	9.29	0.00

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 clear, light wind, 76°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 Slow Recharge, Hardness not collected. Will collect on MW-10

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

266 270

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number ________

Installation Memphis Depot

Well Number MW03

Site/Project DDMT

Sample ID Number MW0303

Project Number 113630.23.02

Sample Start date 9/27/97 time 1145

Sampled by BTNobble

Sample End date 9/27/97 time 1155

Original Static Water Level 15.16 ft BTOC

Final Static Water Level ________ ft BTOC

Screen Interval 67-77 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1100	18.5	6.18	0.295	>999	4.42	0.01
1145	18.6	6.04	0.288	>999	4.63	0.01

Are parameters 20% of purge values? Y / N

Repurge? Y [✓ N]

Number of repurge volumes ________

total gallons purged 8.2

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~~ NA

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

Weather Sunny warm °F

Lab Analyses

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

Other Cl, Sulfate, Iron, Nitrate/Nitrite, NH4

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 266 271

Installation DDMT

Site/Project Q3 Groundwater

Project Number 113630.23.02

Sampled by GFord/ JWOOD

Well Number MW-4

Sample ID Number MW403

Sample Start date 09/26/97 time 1305

Sample End date 09/26/97 time 1310

Original Static Water Level 69.54 ft BTOC

Final Static Water Level ______ ft BTOC

Screen Interval ______ – ______ ft BTOC

Time	Temperature	pH	Conductivity µS/cm	Turbidity	DO mg/L	Salinity %
1307	13.4	5.67	0.197	110	9.93	0.00

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.) Disposable Bailer (Teflon)

Sampling Equipment Decontaminated ? Y / [✓ N]

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

Weather Clear, 76°F, sunny

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)

266 272

CH2MHILL MONITORING WELL SAMPLING LOG

Form Number ______

Installation Memphis Depot

Site/Project DDMT

Project Number D. Mason / S. Russell

Sampled by ______

Well Number MW05

Sample ID Number MW0503

Sample Start date 9/27/97 time ______

Sample End date 9/27/9.7 time ______

Original Static Water Level 74.16 ft BTOC

Final Static Water Level 75 ft BTOC

Screen Interval 69 – 79 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1524	16.9	6.33	.312	5	12.0	0
1534	19.8	6.38	.414	241	11.74	0

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

Repurge? Y / N

Number of repurge volumes 9.0

Purged 25 gallons
Metal Turb = 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.) 2.0" Grundfos Pump

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer: depth(s) where pump set 78 ft BTOC

Weather Sunny, Breezy, 85° °F

Lab Analyses

VOC ☒ SVOC ☐ 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)

266 273

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number ______

Installation DDMT

Site/Project D3 Groundwater

Project Number 113630.23.02

Sampled by JWoods/GFord

Well Number MW-6

Sample ID Number MW603

Sample Start date 09/27/97 time 1315

Sample End date 09/27/97 time 1320

Original Static Water Level 57.84 ft BTOC

Final Static Water Level ______ ft BTOC

Screen Interval ______ — ______ ft BTOC

Time	Temperature	pH	Conductivity mS/cm	Turbidity NTU	DO mg/L	Salinity %
1317	28.2	5.41	1.62	113	11.17	0.07

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.) Disp. Teflon Bailer / Water Quality Meter

Sampling Equipment Decontaminated ? Y [✓ N]

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

Weather Clear, Sunny, 78°F

Lab Analyses

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

Other HARDNESS

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 Menphis Depot

Well Number MW07

Site/Project DDMT

Sample ID Number MW0703

Project Number 113630.23.02

Sample Start date 9/27/97 time 1325

Sampled by D. Marion / S. Short

Sample End date 9/27/97 time 1346

Original Static Water Level 63.08 ft BTOC

Final Static Water Level 64 ft BTOC

Screen Interval 67 – 77 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1326	18.9	6.21	.311	78	11.09	0
1342	20.8	6.26	.292	68	10.73	0

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

Repurge? Y / N

Number of repurge volumes 6

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" Grundfos

Sampling Equipment Decontaminated ? Y / N

If pump or discrete bailer, depth(s) where pump set 72 ft BTOC

Weather Sunny, Breezy 83° °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)

266 275
Form Number

CH2M HILL MONITORING WELL SAMPLING LOG

Installation DOWT
Well Number MW-8
Site/Project 03 Groundwater
Sample ID Number MW0803
Project Number 113630.23.02
Sample Start date 09/26/97 time 1336
Sampled by GFord/JWood
Sample End date 09/26/97 time 1345

Original Static Water Level 57.74 ft BTOC
Final Static Water Level ______ ft BTOC

Screen Interval ______ — ______ ft BTOC

µS/cm NTU mg/L %o

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1335	17.4	5.80	0.235	0.233	~~108~~	0.00
					10.05	

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/Water Quality Meter

Sampling Equipment Decontaminated ? Y / [✓ N]

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

Weather Clear, light wind, 76°F °F

Lab Analyses
VOC ☒ SVOC ☒ Metals ☒ TAL Pesticides/PCBs ☐ Herbicides ☐ TPH ☐ Dioxin/Furans ☐
Other Hardness, Fe, Cl, SO4, TOC, NO3, NO4, NH4
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)

266 276

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number

Installation Memphis Depot

Well Number MW09

Site/Project DDMT

Sample ID Number MW093

Project Number 113630.23.02

Sample Start date 9/26/97 time 1035

Sampled by D. Marion / S. Short

Sample End date 9/26/97 time 1050

Original Static Water Level 71.02 ft BTOC

Final Static Water Level 71.5 ft BTOC

Screen Interval 69 - 79 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1034	19.2	6.44	.271	7	10.75	0.01
1048	19.8	6.44	.281	60	10.63	0

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

Repurge? Y / N

Number of repurge volumes 9

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" Grundfos Submersible

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer: depth(s) where pump set 74 ft BTOC

Weather Sunny Breezy 75° 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

Well Number MW-10

Site/Project OU3 Groundwater

Sample ID Number MW1003

Project Number 113630.23.02

Sample Start date 09/26/97 time 1530

Sampled by JWood/EFord

Sample End date 09/26/97 time 1540

Original Static Water Level 57.46 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

			mS/cm	NTU	mg/L	%
Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1535	19.5	5.89	0.289	29	10.71	0.61

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, Water Quality Meter

Sampling Equipment Decontaminated ? Y [✓ N]

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

Weather 80°F, Sunny °F

Lab Analyses

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

Other Hanhen - substitute for MW-2, TOC, NH_4, NO_x, NO_4, SO_4, Cl

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)

266 278

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number

Installation Memphis Depot

Site/Project DDMT

Project Number 113630.23.20

Sampled by D. Marino / S. Short

Well Number MW11

Sample ID Number MW1103

Sample Start date 9/27/97 time 1450

Sample End date 9/27/97 time 1505

Original Static Water Level 69-04 ft BTOC

Final Static Water Level 70 ft BTOC

Screen Interval 71 - 81 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1452	18.6	5.97	.251	49	12.51	0
1454	18.9	5.97	.251	19	12.23	0

Are parameters 20% of purge values? Y / N

Repurge? [✓ Y] / N

Number of repurge volumes 12

Purged 25-gallons

Metal Sample = Turb = 19

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" Grundfos

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer: depth(s) where pump set 76 ft BTOC

Weather Sunny, Breezy 83° °F

Lab Analyses

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

Other Iodine

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates Y / [✓ N]

Split Samples Y / [✓ N]

MS/MSD Y / [✓ N]

Comments

266 279

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number

Installation DDMT

Well Number MW12

Site/Project Qrtly G.W. Sampling Sept 97

Sample ID Number MW123

Project Number 113630-23.02

Sample Start date 9/27/97 time 1015

Sampled by D. Marion/S. Short

Sample End date 9/27/97 time 1100

Original Static Water Level 70.68 ft BTOC

Final Static Water Level 71 ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1029	18.9	6.3	.236	*24	11	0
1100	20.4	6.26	.239	82	12.54	0

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

Repurge? Y / N

Number of repurge volumes 6

metals Turb = 24

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.) 2" Grundfos

Sampling Equipment Decontaminated? [✓ Y] / N

If pump or discrete bailer, depth(s) where pump set 78 ft BTOC

Weather Sunny, Breezy 75° °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)

266 280

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number

Installation Memphis Depot

Site/Project DDMT

Project Number 113630

Sampled by D. Marion / S. Short

Well Number MW 343

Sample ID Number MW 343 1303

Sample Start date 9/26/97 time

Sample End date 9/26/97 time

Original Static Water Level 137.78 ft BTOC

Final Static Water Level 138 ft BTOC

Screen Interval 153 – 163 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1535	19.9	6.16	.219	41	12.35	0
1550	20	5.89	.203	64	11.97	0

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

Repurge? Y / N

Number of repurge volumes 9

+ Metals Sample

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" Grundfos Submersible

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer: depth(s) where pump set 158 ft BTOC

Weather Sunny, Breezy 75° F

Lab Analyses

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

Other NH_4, TOC, Nitrate/Nitrite, Sulfate, Cl, FE

Metals: Filtered ☐ Unfiltered ☐ Both ☐

Field Duplicates [✓ Y] / N SVOC

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

266 281

Form Number ______

Installation DDMT

Site/Project Quarterly GW Sampling Sept 97

Project Number 113630.23.02

Sampled by B. Trebble

Well Number MW-14 [illegible] 9/28/97

Sample ID Number MW-14Z3

Sample Start date 9/24/97 time 1400

Sample End date 9/24/97 time 1500

Original Static Water Level 71.34 ft BTOC

Final Static Water Level ______ ft BTOC

Screen Interval 68.5 – 78.5 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1400	18.6	5.88	0.221	>999	4.87	0.0
1500	18.6	5.9	0.218	>999	4.55	0.0

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

Repurge? Y / [✓ N]

Number of repurge volumes ______

total gallons purged. 3.5

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.) Disposable Bailer Teflon

Sampling Equipment Decontaminated ? ~~Y / N~~ NA

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

Weather Rain Warm

Lab Analyses

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

Other FS

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates [✓ Y] / N metals

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments Dup Metals only

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

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number ______

Installation DDMI

Well Number MW15

Site/Project Qrtly G.W. Sampling

Sample ID Number MW153

Project Number 113630.23.02

Sample Start date 9/26/97 time 1345

Sampled by B. Trebble

Sample End date 9/26/97 time 1350

Original Static Water Level 63.96 ft BTOC

Final Static Water Level ______ ft BTOC

Screen Interval 68 - to 78 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1345	18.8	6.15	0.204	>999	5.40	0.00

Are parameters 20% of purge values? Y / N

Repurge? Y [✓ N]

Number of repurge volumes ______

total gallons purged 8

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~~ N/A

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

Weather Sunny Warm Dry °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 266 283

Installation Memphis Depot

Well Number MW16

Site/Project DDMT

Sample ID Number MW16Q3

Project Number 113630.2302

Sample Start date 9/24/97 time 1640

Sampled by Dan Marion/Steve Short

Sample End date 9/24/97 time 1645

Original Static Water Level 56.64 ft BTOC

Final Static Water Level 57 ft BTOC

Screen Interval 65 – 75 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1635	19.5	6.41	.454	-10	9.59	.01
1640	19.3	6.41	.489	87	9.61	.01

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.) Bailer

Sampling Equipment Decontaminated ? [✓ Y] / N

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

Weather Cloudy, Light Drizzle 75° °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)

266 284

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number ______

Installation DDMT

Well Number MW-19 SGV 9/28/97

Site/Project Quarterly GW Sampling Sept 97

Sample ID Number MW1923

Project Number 113630.23.02

Sample Start date 9/24/97 time 14:23

Sampled by B. Trebble

Sample End date 9/24/97 time 14:25

Original Static Water Level 87.11 ft BTOC

Final Static Water Level ______ ft BTOC

Screen Interval SGV 9/24/97 94 – 95 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1425 ~~[illegible]~~	18.5	6.32	0.160	851	5.98	0.0
	– final parameters after sample					

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

Repurge? Y / [✓ N]

Number of repurge volumes ______

total gallons purged 2.5 gals

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.) Teflon Disposable Bailer

Sampling Equipment Decontaminated ? ~~Y / N~~ NA

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

Weather Rain warm

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).

266 285

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number ______

Installation DDMT

Site/Project Quarterly G.W. Sampling Sept 97

Project Number 113630.23.02

Sampled by B Trebble

Well Number MW-20

Sample ID Number MW20~~2~~3 [illegible] 9/26/97

Sample Start date 9/24/97 time 10:20

Sample End date 9/24/97 time 11:00

Original Static Water Level 84.51 ft BTOC

Final Static Water Level ______ ft BTOC

Screen Interval 88.6 – 98.6 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity field	DO	Salinity
1020	18.7	6.64	0.198	>999	7.3	0.0

Are parameters 20% of purge values? Y / N

Repurge? Y / [✓ N]

Number of repurge volumes ______

total gallons purged. 10

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 Teflon

Sampling Equipment Decontaminated ? ~~Y/N~~ NA

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

Weather Rain intermittent warm °F

Lab Analyses TAL

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

Other ______

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates [✓ Y] / N – ~~[illegible]~~ SEK SVOC

Split Sample Y / [✓ N]

MS/MSD [✓ Y] / N – SVOC

Comments dup and MS/MSD on SVOC only

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

CH2MHILL MONITORING WELL SAMPLING LOG

Form Number 266 286

Installation Memphis Depot

Well Number MW21

Site/Project DDMT

Sample ID Number MW2103

Project Number 113630 . 23 . 20

Sample Start date 1120 time 9/27/97

Sampled by D. Marion / S. Short

Sample End date 1130 time 9/27/97

Original Static Water Level 92.3 ft BTOC

Final Static Water Level ft BTOC

Screen Interval 95-105 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
~~1130~~						
855	17.6	6.00	0.197	>999	5.65	0.00
1130	18.2	6.12	0.195	>999	5.97	0.00

Are parameters 20% of purge values? Y / N

Repurge? Y [✓ N]

Number of repurge volumes

total galons purged 8

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~~ NA

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

Weather Sunny warm dry °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)

266 287

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number ____________

Installation PDMT

Well Number MW21

Site/Project Qtly G.W. Sampling Sept 97

Sample ID Number MW213

Project Number 113690.30.02

Sample Start date 9/28/97 time 10:00

Sampled by B Trebold

Sample End date 9/28/97 time 10:00

Original Static Water Level ____________ 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 ____________

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 Teflon Disposable

Sampling Equipment Decontaminated ? ~~Y / N~~ NA

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

Weather Sunny Warm °F

Lab Analyses

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

Other Nitrate/Nitrite NH4 TOC, CL, Sulfate, Iron

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments collected next day purged previous day

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

266 288

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number

Installation DDT

Site/Project Quarterly G.W. Sampling Sept 97

Project Number 113630.23.02

Sampled by B. Trebble

Well Number MW-22 BT 9/25/97

Sample ID Number MW223

Sample Start date 9/25/97 time 14~~30~~ 30

Sample End date 9/25/97 time 1505

Original Static Water Level 96.85 ft BTOC

Final Static Water Level ft BTOC

Screen Interval 97 to 107 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1430	18.1	6.39	0.417	7999	5.36	0.01
1505	18.4	6.33	0.414	7999	5.37	0.01

Are parameters 20% of purge values? Y / N

Repurge? Y / [✓ N]

Number of repurge volumes

total Gallons purged 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.) Disposable teflon Bailer

Sampling Equipment Decontaminated? ~~Y / N~~ NA

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

Weather Rain cool

Lab Analyses

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

Other Sulfate, Cl, Nitrate/ Nitrite NH4, Explos

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

266 289
Form Number

Installation Memphis Depot

Site/Project DDMT

Project Number 113630.23.02

Sampled by D. Marion / S. Short

Well Number MW23

Sample ID Number MW23003

Sample Start date 9/26/97 time 0835

Sample End date 9/26/97 time 0905

Original Static Water Level 98.63 ft BTOC

Final Static Water Level 99 ft BTOC

Screen Interval 102 – 112 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
0854	18.4	7.18	.699	179	9.48	.03
0900	18.1	7.26	.700	436	9.53	.03

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

Repurge? Y / N

Number of repurge volumes 6

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.) Teflon Bailer

Sampling Equipment Decontaminated ? Y / N Disposable

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

Weather Sunny, Breezy 75° °F

Lab Analyses

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

Other FS (See NH3, TOC, Nitrite/Nitrate – Sulfate, Cl – Fe

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)

266 290

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number

Installation DDMT

Site/Project 03 Groundwater

Project Number 113360.23.02

Sampled by GFord/JWood

Well Number MW-24

Sample ID Number MW242

Sample Start date 09/24/97 time 1545

Sample End date 09/24/97 time 1555

Original Static Water Level 106.70 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO mg/L	Salinity %
1545	18.2	5.94	0.206	>999	9.40	0.00
	°C		mS/cm			

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

Repurge? Y / [✓ N]

Number of repurge volumes

SAMPLE yellowish-orange in color.

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~~ NA

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

Weather Cloudy, 78°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 Well slow to recharge; Funny orange-yellow color.

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

266 291

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number ______

Installation DDMT

Well Number MW-~~22~~ 25

Site/Project Quarterly G.W. Sampling Sept. 97

Sample ID Number MW253

Project Number 113630.23.02

Sample Start date 9/25/97 time 1540

Sampled by B. Trebble

Sample End date 9/25/97 time 1630

Original Static Water Level 72.01 ft BTOC

Final Static Water Level ______ ft BTOC

Screen Interval 69 to 79 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1540	17.6	6.10	0.249	>999	4.67	0.00
1630	17.7	5.17	0.237	871	4.78	0.00
- final parameters after sample collection						

Are parameters 20% of purge values? Y / N

Repurge? Y / [✓ N]

Number of repurge volumes ______

total gallons purged 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.) Disposable Teflon bailer

Sampling Equipment Decontaminated ? Y / N NA

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

Weather Cool Partly Cloudy dry °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)

MONITORING WELL SAMPLING LOG

266 292
Form Number

Installation DDMT
Site/Project Quarterly GW Sampling Sept 97
Project Number 113630.23.02
Sampled by B. Tribble

Well Number MW-~~47~~ SKR 26
Sample ID Number MW~~43~~ SKR 263
Sample Start date 1325 time 9/26/97
Sample End date 1330 time 9/26/97

Original Static Water Level 99.40 ~~103 to 113~~ SKK 9/26 ft BTOC
Final Static Water Level ft BTOC
Screen Interval 103 to 113 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1330	20.7	6.18	0.359	910	5.71	001
final parameters after sample collection						

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

total gallons purged 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.) ~~Stt~~ SKK 9/26/97 ~~Wall - Sunny~~ Disposable Teflon Bailer
Sampling Equipment Decontaminated? Y ~~N~~ NA
If pump or discrete bailer: depth(s) where pump set ft BTOC
Weather °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)

266 293

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number ________

Installation DDMT

Site/Project Quarterly G.W Sampling Sept 97

Project Number 113630.23.02

Sampled by Bob Trebble

Well Number MW-28

Sample ID Number MW2873 SRK 9/23/97

Sample Start date 10:55 time 9/23/97

Sample End date 11:06 time 9/23/97

Original Static Water Level 55.88 ft BTOC

Final Static Water Level ________ ft BTOC

Screen Interval 59 to 69 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1055	18.6	5.89	0.223	>999	5.15	0.01
	final parameters after ~~[illegible]~~ [illegible] DO. not flowthru					
11:06	18.7	5.87	0.226	>999	4.75	0.0

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

Repurge? Y / [✓ N]

Number of repurge volumes ________

total gallons purged 7

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 Teflon

Sampling Equipment Decontaminated? Y / N NA

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

Weather Warm Humid overcast

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

tal metals sample recollected at 1545 because incorrect bottle was used first time

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

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number 266 294

Installation DDMT

Site/Project Qutly GW Sampling Sept 97

Project Number 113630.23.02

Sampled by B Trebble

Well Number MW-29

Sample ID Number MW293

Sample Start date 9/26/97 time 1400

Sample End date 9/26/97 time 1435

Original Static Water Level 35.97 ft BTOC

Final Static Water Level ______ ft BTOC

Screen Interval 43 to 53 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1400	18.7	6.16	0.355	>999	~~3.10~~	0.01
					3.54	

Are parameters 20% of purge values? Y / N

Repurge? Y [✓ N]

Number of repurge volumes ______

total gallons purged 9.5

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.) Disposable Teflon Bailer

Sampling Equipment Decontaminated ? [✓ Y] / N

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

Weather Sunny Warm °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)

266 295

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number ____

Installation Memphis Depot

Site/Project DDMT

Project Number 113630.23.02

Sampled by Dan Marion / Steve Short

Well Number MW30

Sample ID Number MW30Q3

Sample Start date 9/24/97 time 1415

Sample End date 9/24/97 time 1440

Original Static Water Level 4262 ft BTOC

Final Static Water Level 42.6 ft BTOC

Screen Interval 50 – 60 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1415	18.5	6.24	.370	-10	10.12	0
1425	18.4	6.26	.365	-10	10.42	0

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 ☒ VOC only SS ☐ Tef ☐ PVC ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☐ Other ____

Sampling Equipment (Make, Model, Etc.) GRUNDFOS 2" Submersible Pump / Teflon Disposable Baile

Sampling Equipment Decontaminated ? [✓ Y] N Pump

If pump or discrete bailer, depth(s) where pump set 55 ft BTOC

Weather Cloudy, Drizzle, 75° F

Lab Analyses

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

Other TOC, Sulfate, Nitrate/Nitrite, Chloride, NH4, Fe

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 Quarterly G.W. Sampling Sept 97

Project Number 113630.23.02

Sampled by Bob Trebble

Well Number MW-31

Sample ID Number MW31Z3 SEK 9/28/97

Sample Start date 9/23/97 time

Sample End date 9/23/97 time

Original Static Water Level 63.60 ft BTOC

Final Static Water Level ft BTOC

Screen Interval 76 to 86 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1350	18.4	5.97	0.324	>100	3.65	0.01
parameters after sample collected						
1355	17.9	5.95	0.322	27	4.79	0.01

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

Repurge? Y / N

Number of repurge volumes

total gallons purged 15

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 2 inch pump

Sampling Equipment Decontaminated ? [✓ Y] / N

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

Weather Humid, warm intermittent rain

SEK Lab Analyses not able to get VOC at this time

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

Other ~~FS~~ SEK SO4, CL, Iron, TOC Nitrate/Nitrite, NH4

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments note unable to collect VOC on 9/23/97 because pump stuck in well page 1 of sampling

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

266 297

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number ____________

Installation DDMT

Site/Project Qtrly G.W. Sampling

Project Number 113630.23.02

Sampled by B. Trebble

Well Number MW-31 sek 9/28/97

Sample ID Number MW31Z3

Sample Start date 9/24/97 time 8:00

Sample End date 9/24/97 time 8:05

Original Static Water Level ____________ ft BTOC

Final Static Water Level ____________ ft BTOC

Screen Interval ________ — ________ ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
800	18.8	5.67	0.338	43	—	0.01

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

Repurge? Y / [✓ N]

Number of repurge volumes ____________

total gallons purged from 9/23/97 15

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 NA

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

Weather Rain warm °F

Lab Analyses

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

Other ~~TOC, Nitrate/Nitrite, NO2~~ sek 9/24/97

Metals: Filtered ☐ Unfiltered ☐ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments pg 2 of sampling at this well

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

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number ______

Installation ODMT

Site/Project Q3 Groundwater

Project Number 113630.23.02

Sampled by GFord / JWood

Well Number MW-32

Sample ID Number MW32d3

Sample Start date 09/27/97 time 1445

Sample End date 09/27/97 time 1500

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
			mS/sec	NTU	mg/L	%
1449	18.6	5.61	0.555	429	11.52	0.02

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

Repurge? [✓ Y] / N

Number of repurge volumes 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.) Disposable Teflon Bailer / Water Quality Meter

Sampling Equipment Decontaminated ? Y / [✓ N]

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

Weather Clear, 81°F °F

Lab Analyses

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

Other FS, WQ, 3H

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)

CH2MHILL MONITORING WELL SAMPLING LOG

Form Number ____

Installation Memphis Depot

Site/Project DDMT

Project Number 113630.23.02

Sampled by D. Merion / S. Short

Well Number MW33

Sample ID Number MW3303

Sample Start date 9/25/97 time 1049

Sample End date 9/25/97 time 1103

Original Static Water Level 47.46 ft BTOC

Final Static Water Level 47.5 ft BTOC

Screen Interval 49 - 59 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1049	17.4	5.94	.199	59	9.76	0
1103	17.7	5.94	.200	89	9.63	0

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.) Grundfos 2" Submersible Pump

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer, depth(s) where pump set 55 ft BTOC

Weather Cloudy, Drizzle 70°

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

266 300

Form Number ____________

Installation Memphis Depot

Site/Project DDMT

Project Number 113630.23.02

Sampled by D. Marion / S. Short

Well Number MW~~B~~AP34

Sample ID Number MW~~B~~3403

Sample Start date 9/26/97 time 1642

Sample End date 9/26/97 time 1705

Original Static Water Level 67.62 ft BTOC

Final Static Water Level 68 ft BTOC

Screen Interval 70 – 80 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1642	20.4	6.12	.181	26	11.14*	0
1705	20.6	6.07	.180	57	10.86	0

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

Repurge? Y / N

Number of repurge volumes 6

* Metal Sample

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" Submersible Pump - Grundfos

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer, depth(s) where pump set 75 ft BTOC

Weather Sunny 75° Breezy °F

Lab Analyses

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

Other NH4, TOC Nitrate/Nitrite, Sulfate, Cl, Fe

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates [✓ Y] / N VOC

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

266 301
Form Number

Installation DDMT
Well Number MW-35
Site/Project Qtly G.W. Sampling Sept. 97
Sample ID Number MW353
Project Number 113630.23.02
Sample Start date 9/27/97 time 1029
Sampled by D. Marion / S. Short
Sample End date 9/27/97 time 1100

Original Static Water Level 69.84 ft BTOC
Final Static Water Level 69.84 ft BTOC

Screen Interval 78 - 88 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
945	18.7	6.05	.284	34	9.77	0
1055	22	6.06	.243	247	10.82	0

Are parameters 20% of purge values? [✓ Y] N
Repurge? Y / N
Number of repurge volumes 8

20 gallons

Metals Turb = 34

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" Grundfos

Sampling Equipment Decontaminated ? [✓ Y] N

If pump or discrete bailer; depth(s) where pump set 83 ft BTOC

Weather Sunny, Breezy 75° °F

Lab Analyses

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

Other NH_4, TOC, Nitrate, Nitrite, Sulfate, Cl, Fe, Hardness

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)

266 302

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number ____

Installation Memphis Defense Depot (DDMT)

Well Number MW-36

Site/Project DUNN Field

Sample ID Number MW36[illegible]3

Project Number 113630.23.02

Sample Start date 9/24/97 time 1000

Sampled by Dan Marion / Steve Short

Sample End date 9/24/97 time 1050

Original Static Water Level 160.84 ft BTOC

Final Static Water Level 170 ft BTOC

Screen Interval ~~[illegible]~~ 199 9/24 — ~~199~~ 207 9/24 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1005	18.5	6.79	.197	10	10.56	0
1050	18.2	7.72	.153	191	10.46	0

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] Dedicated/Disposable

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

Weather Rain, Light 75°

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)

266 303

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number ______

Installation DDMT

Site/Project 83 Groundwater

Project Number 113630.23.02

Sampled by Elord/Jwoss

Well Number MW-57

Sample ID Number MW3703

Sample Start date 09/28/97 time 1012

Sample End date 09/28/97 time 1018

Original Static Water Level 135.60 ft BTOC

Final Static Water Level ______ ft BTOC

Screen Interval ______ — ______ ft BTOC

Time	Temperature °C	pH	Conductivity mS/cm	Turbidity NTU	DO mg/L	Salinity %
1014	20.2	6.40	0.300	105	9.81	0.01

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.) Redi-Flo2 pump, disposable teflon bailer for VOCs

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer; depth(s) where pump set 173.55 ft BTOC

Weather Clear, 76°F °F

Lab Analyses

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

Other Hardness, Tritium, TDS, HCO_3, SO_4, Cl, Fl, NO_3

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

266 304

Form Number ______

Installation DDMT

Well Number MW-38 SK 9/28/97

Site/Project Quarterly GW Sampling Sept 97

Sample ID Number MW38Z3

Project Number 113630.23.02

Sample Start date 9/25/97 time 1055

Sampled by B. Tribble

Sample End date 9/25/97 time 1130

Original Static Water Level 134.29 ft BTOC

Final Static Water Level ______ ft BTOC

Screen Interval 144 – 154 ft BTOC

SKR 9/25/97

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
~~1046~~	~~9.5~~	~~17.7~~	~~6.26~~	~~0.163~~	~~166~~	
1046	17.7	6.26	0.153	166	4.83	0.0
1055	17.7	6.26	0.153	170	4.83	0.0

Are parameters 20% of purge values? Y / N

Repurge? Y [✓ N]

Number of repurge volumes ______

total gallons purged 12

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 teflon

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

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

Weather Rain intermittent, cool

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 Collected Split with State
Dups & MSMSD on TAL Metals only

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

CH2M HILL MONITORING WELL SAMPLING LOG

266 305
Form Number

Installation DDMT
Site/Project Quarterly G.W. Sampling Sept 97
Project Number 113630.23.02
Sampled by B Trebble

Well Number MW-39
Sample ID Number MW393
Sample Start date 9:20 time 9/26/97
Sample End date 9:45 time 9/26/97

Original Static Water Level 102.71 ft BTOC
Final Static Water Level ft BTOC

Screen Interval 105 to 115 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
920	17.9	6.40	0.297	111	4.95	0.01
945	18.2	6.25	0.298	143	5.42	0.01
	final parameters after sample collection					

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

total gallons purged 6

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.) Teflon Disposable Bailer

Sampling Equipment Decontaminated ? [✓ Y] / N

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

Weather Sunny Warm °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 Dup on metals only

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

CH2M HILL MONITORING WELL SAMPLING LOG

266 306
Form Number

Installation DDMT
Site/Project
Project Number 113630.23.02
Sampled by GFord/JWOOD

Well Number MW-40
Sample ID Number MW403
Sample Start date 09/25/97 time 0950
Sample End date 09/25/97 time 1000

Original Static Water Level 80.03 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
0955	18.1 °C	6.20	0.628	<10	9.38	0.02
			mS/cm		mg/L	

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.) Disposal Teflon Bailer

Sampling Equipment Decontaminated ? Y / [✓ N]

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

Weather Cloudy, Temp 74°F, misty rain

Lab Analyses

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

Other TOC, NO3, NO4, Cl, Fe

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)

266 307

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number ________

Installation DDMT

Site/Project Q3 Groundwater

Project Number 113630.23.02

Sampled by GFord/TWOOD

Well Number MW-41

Sample ID Number MW4103

Sample Start date 09/27/97 time 0855

Sample End date 09/27/97 time ________

Original Static Water Level 64.82 ft BTOC

Final Static Water Level ________ ft BTOC

Screen Interval ________ - ________ ft BTOC

*

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
			N/A	gw		

Are parameters 20% of purge values? ~~Y / N~~ gw

Repurge? ~~Y / N~~ N/A gw N/A

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/Water Quality Checker

Sampling Equipment Decontaminated ? Y / [✓ N]

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

Weather ________

Lab Analyses

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

Other ________

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates Y / [✓ N]

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments * Well very slow to recharge. Water Quality not collected during sampling.

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

266 308

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number ______

Installation DDMT

Site/Project 03 Groundwater

Project Number 113630.23.02

Sampled by GFord / JWood

Well Number MW-42

Sample ID Number MW4203

Sample Start date 09/27/97 time 1035

Sample End date 09/27/97 time ______

Original Static Water Level 53.67 ft BTOC

Final Static Water Level ______ ft BTOC

Screen Interval ______ — ______ ft BTOC

	°C		mS/cm	NTUs	mg/L	%
Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1010	18.3	5.79	0.168	68	19.23	100.0

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

Repurge? Y / [✓ N]

Number of repurge volumes 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.) ______

Sampling Equipment Decontaminated ? Y / [✓ N]

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

Weather Sunny 76°F °F

Lab Analyses

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

Other ______

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates [✓ Y] / N — PPM - Metals only

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N] - unable to collect due to low sample volume

Comments ______

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

CH2M HILL MONITORING WELL SAMPLING LOG

266 309
Form Number

Installation DDMT

Well Number MW-44

Site/Project

Sample ID Number MW443

Project Number 113630.23.02

Sample Start date 09/25/97 time 1140

Sampled by GFord/JWOOD

Sample End date 09/25/97 time

Original Static Water Level 48.80 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1145	17.5	6.61	0.238	22	9.34	0.00

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

Repurge? Y / [✓ N]

Number of repurge volumes 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.) Disposable Teflon Bailer

Sampling Equipment Decontaminated ? Y / [✓ N]

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

Weather Cloudy, 76°F °F

Lab Analyses

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

Other

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates [✓ Y] / N VOAs

Split Sample Y / N

MS/MSD [✓ Y] / N VOAs

Comments

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

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number 266 310

Installation DDMT

Site/Project

Project Number 113360.23.02

Sampled by J Wood / G Ford

Well Number MW-45

Sample ID Number MW453

Sample Start date 09/25/97 time 1245

Sample End date 09/25/97 time 1300

Original Static Water Level 52.90 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1245	19.1	6.12	0.293	<10	7.30	0.01

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.) Disposal Teflon Bailer / Water Quality Meter

Sampling Equipment Decontaminated ? Y / [✓ N]

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

Weather Cloudy, misty rain, 74°F

Lab Analyses

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

Other

Metals: Filtered ☐ Unfiltered ☒ Both ☐

Field Duplicates [✓ Y] / N VOAs

Split Sample Y / [✓ N]

MS/MSD Y / [✓ N]

Comments

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

266 311

Form Number

CH2M HILL MONITORING WELL SAMPLING LOG

Installation DDMI

Site/Project Quarterly GW Sampling Sept 97

Project Number 113630.23.02

Sampled by Bob Trebble

Well Number MW-~~46~~ SEK 46F

Sample ID Number MW46F SEK 9/28/97

Sample Start date 9:30 time 9/22/97

Sample End date 10:05 time 9/22/97

Original Static Water Level 50.32 ft BTOC

Final Static Water Level ft BTOC

Screen Interval 60 to 70 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
9:30	18.2	5.93	0.244	92	4.16	0.0
final after sample:						
10:05	18.6	5.92	0.238	82	4.58	0.0

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

Repurge? Y / [✓ N]

Number of repurge volumes

total gallons purged 10.5

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.) Disposable teflon bailer

Sampling Equipment Decontaminated ? Y ~~N~~ NA

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

Weather overcast

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 took split with state TN Terri Templeton

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

266 312

CH2MHILL MONITORING WELL SAMPLING LOG

Form Number ______

Installation DDMT

Well Number MW-47

Site/Project Qrtly G.W. Sampling Sept 97

Sample ID Number MWA73

Project Number 113630.23.02

Sample Start date 9/26/97 time 1550

Sampled by B. Trebble

Sample End date 9/26/97 time 1605

Original Static Water Level 101.25 ft BTOC

Final Static Water Level ______ ft BTOC

Screen Interval 111 to 121 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
~~1600~~ SD						
1550	18.7	6.4	0.337	>999	-	0.01
1600	18.4	6.3	0.341	>900	5.31	0.01

Are parameters 20% of purge values? Y / N

Repurge? Y [✓ N]

Number of repurge volumes ______

total gallons purged 13

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 NA. SDR 9/26/97

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

Weather Sunny Warm Dry °F

Lab Analyses

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

Other Iron, Cl, Sulfate, Nitrate/Nitrite NH4

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)

266 313

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number

Installation Memphis Depot

Site/Project PDMT

Project Number 113630.23.02

Sampled by D. Marion / S. Short

Well Number MW48

Sample ID Number MW4803

Sample Start date 9/25/97 time 1445

Sample End date 9/25/97 time 1520

Original Static Water Level 78.62 ft BTOC

Final Static Water Level 78.62 ft BTOC

Screen Interval 83 – 93 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1505	19.6	6.24	.268	24	9.8	0.01
1520	19.3	6.27	.227	17	10.13	0.0

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" Grundfos Submersible

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer; depth(s) where pump set 88 ft BTOC

Weather Sunny, Slight Breeze 75° F

Lab Analyses

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

Other ES

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)

266 314

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number ____

Installation Memphis Depot

Site/Project DDMT

Project Number 113630.23.02

Sampled by Dean Marcum/Steve Short

Well Number MW49

Sample ID Number MW4903

Sample Start date 9/24/97 time 1310

Sample End date 9/24/97 time 1320

Original Static Water Level 75.8 ft BTOC

Final Static Water Level 58 ft BTOC

Screen Interval ~~65~~ 72 [illegible] - ~~75~~ 82 [illegible] ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1310	18.3	5.87	.165	9.9	10.84	0
1320	18.2	5.83	.196	10.72	9.99	0

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" Grundfos

Sampling Equipment Decontaminated ? [✓ Y] / N

If pump or discrete bailer; depth(s) where pump set 84 ft BTOC

Weather Cloudy, Light Drizzle 75 °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).

266 315

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number ______

Installation LDHT

Site/Project Q3 Groundwater

Project Number 113630.23.02

Sampled by G Ford / J WOOD

Well Number MW-50

Sample ID Number MW5032 gw

Sample Start date 09/24/97 time 1200

Sample End date 09/24/97 time 1210

Original Static Water Level 8501 ft BTOC

Final Static Water Level ______ ft BTOC

Screen Interval ______ – ______ ft BTOC

Time	Temperature	pH	Conductivity mS/cm	Turbidity	DO	Salinity
1205	20.0	5.99	0.433	10	7.26	0.01

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.) ______

Sampling Equipment Decontaminated ? ~~Y / N~~ gw N/A

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

Weather Cloudy, 78°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

Site/Project Qrtly G.W. Sampling Sept 97

Project Number 113630.23.02

Sampled by B. Trebble

Well Number MW51

Sample ID Number MW5103

Sample Start date 9/27/97 time 1530

Sample End date 9/27/97 time 1535

Original Static Water Level 37.28 ft BTOC

Final Static Water Level ____ ft BTOC

Screen Interval 58 to 68 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1510	18.6	6.07	0.279	645	5.02	0.01
1530	18.6	6.04	0.274	541	5.75	0.01

Are parameters 20% of purge values? Y / N

Repurge? Y / [✓ N]

Number of repurge volumes ____

total gallons purged 15

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~~ NA

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

Weather Sunny Warm Dry °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

266 317
Form Number

Installation DDMT
Site/Project 03 Groundwater
Project Number 113360. 23.02
Sampled by G. Ford / J. WOOD

Well Number MW-52
Sample ID Number MW522
Sample Start date 09/24/97 time 1410
Sample End date 09/24/97 time 1420

Original Static Water Level 79.75 ft BTOC

Final Static Water Level ft BTOC

Screen Interval — ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1410	15.4	6.02	0.437	7	7.63	0.01

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~~ N/A

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

Weather Cloudy 80°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

266 318
Form Number

Installation DDMT
Site/Project Q3 Groundwater
Project Number 113360.23.02
Sampled by G. Ford / J. Wood

Well Number MW-52
Sample ID Number MW522
Sample Start date 09/24/97 time 1410
Sample End date 09/24/97 time 1420

Original Static Water Level 79.95 ft BTOC

Final Static Water Level ______ ft BTOC

Screen Interval ______ — ______ ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1410	18.4	6.02	0.437	7	7.63	0.01

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~~ N/A

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

Weather Cloudy 80°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

266 319
Form Number

Installation Memphis Depot
Site/Project DDMT
Project Number 113630.23.02
Sampled by D. Marien / S. Short

Well Number MW53
Sample ID Number MW53DP03
Sample Start date 9/26/97 time 941
Sample End date 9/26/97 time 1000

Original Static Water Level 72.21 ft BTOC
Final Static Water Level 73.6 ft BTOC
Screen Interval 73 – 83 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
941	19.3	6.18	.503	12	10.09	.02
1000	20.0	6.12	.454	61	9.61	.01

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.) 2" Grundfos Submersible pump
Sampling Equipment Decontaminated ? [✓ Y] N
If pump or discrete bailer; depth(s) where pump set 78 ft BTOC
Weather Sunny, Light Breeze 75° 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)

266 320

CH2M HILL MONITORING WELL SAMPLING LOG

Form Number ______

Installation DDMT

Site/Project 23 Groundwater

Project Number 113630.23.02

Sampled by J Wood / G Ford

Well Number MW-54

Sample ID Number MW543

Sample Start date 09/25/97 time 1625

Sample End date 09/25/97 time 1635

Original Static Water Level 73.73 ft BTOC

Final Static Water Level ______ ft BTOC

Screen Interval ______ — ______ ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1632	17.3	6.11	0.178	4	10.02	0.00

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 Partly Cloudy, 78°F, Breezy °F

Lab Analyses

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

Other ______

Metals: Filtered ☐ Unfiltered ☐ Both ☐

Field Duplicates [✓ Y] / N ~~TAL met~~ w/ SVOCs

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 Memphis Depot

Site/Project DDMT

Project Number 113630.23.02

Sampled by D. Marion / S. Short

Well Number MW55

Sample ID Number MW552

Sample Start date 9/25/97 time 1140

Sample End date 9/25/97 time 1200

Original Static Water Level 69.26 ft BTOC

Final Static Water Level 69.3 ft BTOC

Screen Interval 64 – 74 ft BTOC

Time	Temperature	pH	Conductivity	Turbidity	DO	Salinity
1140	18.6	5.98	.237	286	9.32	0
1200	18.3	5.90	.234	452	9.30	0

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

Repurge? Y / [✓ N]

Number of repurge volumes 6

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] Disposible

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

Weather Cloudy, 70° °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)

266 322

Appendix E
Field Notes

DDOT Ground Water
Sampling CH2M Hill
#930 30.22
9/24/97 to

Log Book #
0 [illegible]

Rite in the Rain
ALL-WEATHER
Horizontal Line
No. 390 NF

MEASUREMENT CONVERSIONS

IF YOU KNOW	MULTIPLY BY	TO FIND
LENGTH		
inches	2.540	centimeters
feet	30.480	centimeters
yards	0.914	meters
miles	1.609	kilometers
millimeters	0.039	inches
centimeters	0.393	inches
meters	3.280	feet
meters	1.093	yards
kilometers	0.621	miles
WEIGHT		
ounces	28.350	grams
pounds	0.453	kilograms
grams	0.035	ounces
kilograms	2.204	pounds
VOLUME		
fluid ounces	29.573	milliliters
pints	0.473	liters
quarts	0.946	liters
gallons (U.S.)	3.785	liters
milliliters	0.033	fluid ounces
liters	1.056	quarts
liters	0.264	gallons (U.S.)

TEMPERATURE

°C = (°F - 32) x .555
°F = (°C x 1.8) + 32

Inches	Decimals of foot	Milli-meters
1/16	.0052	1.5875
1/8	.0104	3.1750
3/16	.0156	4.7625
1/4	.0208	6.3500
5/16	.0260	7.9350
3/8	.0313	9.5250
1/2	.0417	12.700
5/8	.0521	15.875
3/4	.0625	19.050
7/8	.0729	22.225
1"	.0833	25.400
2"	.1667	50.800
3"	.2500	76.200
4"	.3333	101.60
5"	.4167	127.00
6"	.5000	152.40
7"	.5833	177.80
8"	.6667	203.20
9"	.7500	228.60
10"	.8333	254.00
11"	.9167	279.40
1 foot	1.0000	304.80

"Rite in the Rain"®
ALL-WEATHER WRITING PAPER

Name DDMT Quarterly G.W Sampling
113630.23.02
Address CH2M HILL
DDMT Ground water investigation
Phone Log book #
Project Sept 24, 1997 to

"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

CONTENTS

PAGE	REFERENCE	DATE
	Field Crew Sept 1997 S.Russell & Bob Tebble	

Quarterly
Sept 24, 1997 Groundwater Sampling
· Arrived on site 650; B Trebby, S Russell
· Preped for field day
7:00 Calibrated OVM and Horiba
See Health + Safety notebook Calibration
note book for details
7:40 proceeded to MW-31 to complete
sampling before attempting to retrieve
pump.
8:00 Collected sample MW313
parameters checked at time of sample
Temp 18.8
pH 5.67
Cond 0.338
Turbid 43 field turbidity
DO NA - not flow through
Salinity 0.01
well was not repurged because sample
was collected within 24 hours of
previous purge

8:15 Greg Ford and John Wood
arrived to try and fish pump out of
well
820 Returned to office to collect additional
Sample bottles + equip and confer with
Greg Underberg on phone

Sept 24, 1997 Qtrly GW Sampling

8:50 Started out to walk at well 20

9:00 Set up at well MW20
Water in Christie Box possible in flux
recommend expandable pressure cap

9:05 Started purge

Time	Gals	T	pH	Cond	field Turb	DO	Salinity
920	2.5	19.7	6.90	0.134	>999	-	0.0

Dewatered at end of first purge
will let well set for 10 minutes
before starting purge again

1000	4.75	18.7	6.71	0.183	>999	-	0.0
1015	7	18.4	6.55	0.196	>999	6.4	0.0
1020	8	18.6	6.74	0.197	>999	~~7.6~~ SER 9/28/97	0.0

Collected sample MW20Z3

1100		18.5	6.58	0.203	>999	7.3	0.0

final parameters after sample
Cleaned up site

11:05 Shawn Philips stopped by to tell us about Fed ex
Started in for office and lunch

12:00 returned to office
Set up to purge and sample MW19
well venting through cap
monitored with OVM reading 0.2

12:40 Started purging

time	T	pH	Cond	turbid	DO	Sal	gals
1250	18.6	6.24	0.130	>999	-	0.0	1.5

well nearly dewatered after 1.5 gals
= well bailed dry at 2.5 gals

1256 will let recover then take sample
proceeded to MW-14.

1325 Started set up at MW14

1337 Started purge

time	gals	T	pH	Cond	Turb.	DO	Sal
1340	1.2	19.0	5.90	0.221	>999	-	0.0
1350	2.0	19.0	5.98	0.227	>999	-	0.0
1400	3.5	18.6	5.88	0.221	>999	9.87 SER 9/28/97	0

took Samples MW14Z3
let well sit for metals samples

1415 proceed back to MW-19
to collect samples.

1425 collected sample MW19Z

1435
final parameters:

T	Sal	pH	Cond	field Turb.	DO
18.5	0.0	6.32	.160	851	5.98

1440 locked well

well needs new lock and expansion seal cap.
returned to MW14.

Sept 24, 1997

Quarterly GW Sampling Sept 97

1500 Arrival at MW 14
collected metals sample
final parameters after sample

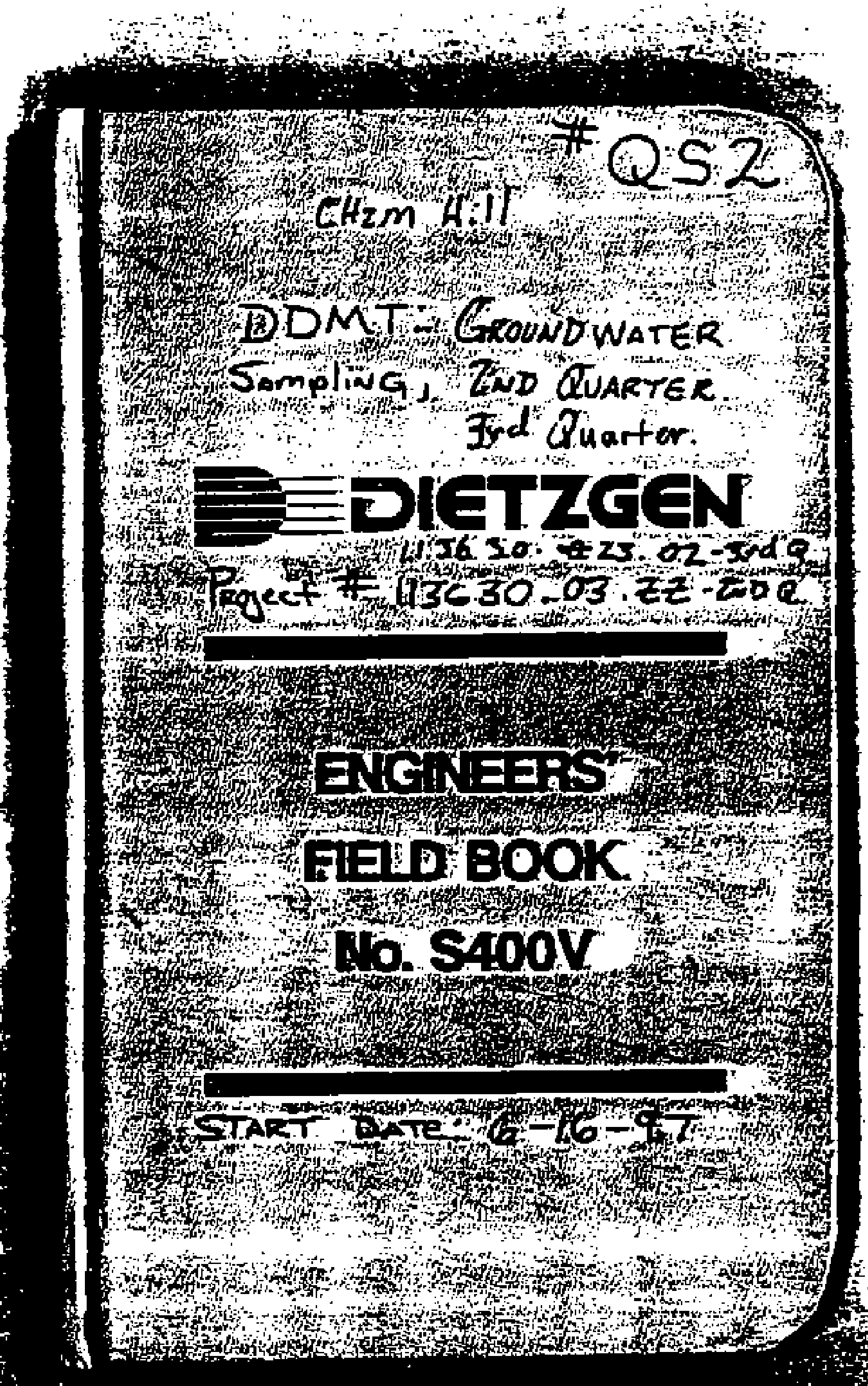
T	pH	Cond	Turb.	DO	Sal
18.6	5.9	0.218	>999	4.56	0.0

well needs new lock.
proceeded to Purge Water Container
- ground too soft to cross
will discharge 55 gallon Drum at
later time. when ground has dried
out.

1530 returned to office to fill out COC
and process samples

1550 - Bench Turbidity
STANDARDS 48.2 = 50.2 NTU
550.0 = 547.0 NTU
MW-31 = 41.9 NTU
MW-20 = >100 NTU
MW-19 = >100 NTU
MW-14 = >100 NTU
MW-31 = 32.7 NTU
MW-46 = 38.3 NTU
MW-28 = 28.4 NTU
~~12:00~~ SER 9/24/97 left for Fedex with samples
17:00

Susan E Russell 9/24/97



#QS2

CH2m Hill

DDMT - GROUNDWATER
Sampling, 2ND QUARTER
3rd Quarter.

DIETZGEN

113630.23.02-3rdQ
Project # 113630.03.ZZ-2DQ

ENGINEERS'
FIELD BOOK
No. S400V

START DATE: 6-16-97

DDMT ~~[illegible]~~ QT

G.W. Sampling 3RD ⑲

1030 Onsite HLL office (old Pro Shop)
Discussing plans for sampling event

1200 LUNCH

1300 Return from Lunch.

1400 Showed Bob Trebble locations ~~for~~ of
offsite wells.

1530 Call from Shawn Phillips. ~~Deon~~
Decon Methanol was located. Arranging
for flammable storage locker to pick
up on 09/23/97.

1600 Onsite MW-25; OVM 0 ppm, Water
level at 72.01' from PVC (2")

1613 Onsite MW-26. OVM 0 ppm; Water
level at 99.40 from PVC (2")

1619 Onsite MW-23; OVM 0 ppm; Water
level at 98.63 from PVC (2")

1627 Onsite MW-22. OVM 0 ppm. Water
level at 96.08 from PVC (2")

1634 Onsite MW-20; OVM 0.5 ppm. Water
level at 84.51 from PVC (2")

1639 MW-19; OVM 0 ppm. Water level at
87.11 From PVC (2")

1645 Onsite MW-18; Well was flooded
From surface runoff. OVM 0 ppm
Water at 134.86 from PVC (2")

(20) DDMT 3rd Q 09/12/97

1652 Onsite MW-38, ovm 0 ppm; water level at 134.29 from PVC (2")

1654 Onsite MW-27, ovm 0 ppm; water level was non-detect (dry)

1745 Onsite ~~MW-33~~, OVM 0 ppm, water level at MW-16 56.64 from PVC (2")

1720 Onsite MW-39, ovm 0 ppm; water level at 102.45 from PVC (2")
0.5" of surface runoff.

1728 Onsite MW-21, OVM 0 ppm; water level at 92.30 from PVC (2")

1735 Onsite MW-24, ovm 0 ppm water level at 106.70 from PVC (2")

1742 Onsite MW-52, ovm 0 ppm, water level at 79.95 from PVC (2")

1748 Onsite MW-50, ovm 0 ppm water level at 85.01 from PVC (2")

NOTE: OVM Thermo Environmental Instruments Model 580B, Serial # 56645-276
Team Members JONATHAN WOOD and Greg Ford

JW 09/12/97

09/23/97 Onsite Old Pro Shop 0700 (21)

Temp 74°F, cloudy, light rain

0710 Assembling pump and gathering sampling equipment

0927 Onsite MW-51 Repainted street with high visibility orange paint could not locate well due to high weeds. Well may have been buried in dirt pile ~ 2 feet high.

0930 Onsite MW-30, OVM 0 ppm water level at 42.81 from PVC (2").

0947 Onsite MW-32/37. Wells are located on Kyle Rd. Wells are in front yard of 1796 Kyle Rd. Water level at MW-37 at 135.0 from PVC (2") OVM 0 ppm.

0953 Water level at MW-32 at 58.35 from PVC (2"); OVM 0 ppm

1019 Onsite MW-55, ovm 0 ppm; Water level at 69.59 from PVC (2")

1145 Onsite MW-36 setting up to sample.

1205 Attempted to use submersible pump to purge & sample, but pump was not capable of pulling water to surface.

1300 Began bailing well.

JW

(22) 09/23/97 DDMT 3Q

1600 Purging suspended due to heavy rainfall
1620 Return to office
1730 Offsite

gnl 09/24/97

09/24/97 DDMT 3Q (23)

0700 Onsite ~~MW-36~~ JW Field office
Temp 74°F, Rainy
0733 Calibrated Thermo Environmental model 580B OVM, Serial # 46645-276 (iso. 1 ppm) satisfactorily.
0800 G. Ford / J. Wood onsite MW-31 "fishing" for grundfos pump lost at bottom of well.

1005 Onsite MW-50 preparing to purge well.
1017 Begin Purging:

MW 50

TD = 129.18
DTW = 85.01
Sat. thick. = 44.17
44.17 × 0.16 = 7.1 gal. / well volume
3 well volumes = 21.3 gal.

pH 6.35, 6.11, 6.07
Cond. 0.093, 0.272, 0.390
Temp 19.4, 19.3, 19.2
D.O. 9.21, 9.15, 9.25
Turb. 10, 7, 8

gnl

1150 Purge ended.
1200 Samples collected for VOAs, TAL Metals and SVOCs
ID: MW5032

(24) 09/24/97 DDMT 3Q

1200 LUNCH
1300 Return from lunch
1310 Onsite MW-52 preparing to purge well.

MW-52
TD = 105.0
DTW = 79.95
Sat. thickness = 25.05
25.05 × 0.16 = 4.0 gal/well vol.
3 well volume = 12.0 gal.

1315 Began purging. 6.02
pH 6.07 ~~19.0~~ ~~18.8~~ 6.03 ~~18.4~~
Cond. 0.539 0.512 0.439
Temp. 19.0 18.8 18.4
D.O. 9.57 9.58 9.63
Turb. 4 8 7

1400 Purge end.
1410 Collected sample MW522 for VOCs, SVOCs, TAL Metals.
1445 Onsite MW-24

MW-24
TD = 116.83
DTW = 106.70
Sat. Thick = 10.13
10.13 × 0.16 = 1.6 gal/well volume

09/24/97 DDMT Q3 (25)

1445 3 well volumes = 4.8 gal

pH 5.88 5.94 5.93
Cond. 0.200 0.214 0.205
Temp. 18.3 18.3 18.3
D.O. 9.29 9.51 9.39
Turb. >999 >999 2 (?)

1455 Began purging at MW-24
1530 Purging ends. Water was yellowish/orange. Well was slow to recharge.
1545 Collected sample (MW242) for VOCs, SVOCs, and TAL Metals.
1555 Sampling complete. Return to office.
1600 Drop samples at office to ship.
1630 Onsite MW-31 to fish for pump. Unsuccessfull.
1730 Offsite

09/24/97

㉖ 09/25/97 DOWT Q3

0700 Onsite office collecting instruments and supplies.

0710 OVM thermo Environmental Model 5800B Ser. # 44645-276 calibrated w/ 100 ppm isobutylene successfully

0715 Horiba U-10 Water Checker calibrated (refer to calibration logbook for data)

0730 Temp 70°F, cloudy, misty rain. Team members: G. Ford / J. Wood

0756 Onsite MW-45

TD= 68.18, DTW= 52.90

Sat Thickness = 15.28

15.28 × 0.16 = 2.4 gal. / well volume

Purge volume = 3 × 2.4 = ~~4.8~~ 7.2 gal

0810 well headspace 36.5 ppm

0850 Purge ended.

0855 Onsite MW-40

well data:

TD= 95.27, DTW = 80.03, Sat. Thickness = 15.24

15.24 × 0.16 = 24 gal / well volume

Purge Volume = 7.3 gal.

0905 Purging begins.

0945 Purge ended.

0950 Collected sample for VOAs, PPM Metals, TOC, SO_3^{2-}/SO_4, NO_2/NO_3, Cl^-, NH_4 + Fe

---

09/25/97 DOWT Q3 ㉗

1007 MW-40 Purge data:

pH	6.13	6.14	6.12
cond.	0.617	0.622	0.630
sal.	0.02	0.01	0.01
d.o.	9.35	9.39	9.78
turb.	17	18	<10
temp.	18.0	18.1	18.0

1010 offsite MW-40

1032 Onsite MW-44

TD= 73.02

DTW= 48.08

Sat Thick= 24.22

24.22 × 0.16 = 3.9 gal. / well volume

3 × 3.9 gal = 11.7 purge volume

MW-44 Purge Data

pH	6.19	~~6.19~~ 24 6.49	6.00
cond	0.216	0.239	0.240
Sal	0.00	0.00	0.00
d.o.	~~7.0~~ 9.79	9.77	9.86
turb.	60	139	20
temp.	17.5	17.5	17.7

1130 Purge ended.

1140 Collected MW443 for VOAs, SVOCs, PPM Metals (Dupe & MS/MSD collected)

(28) 09/25/97 DDMT Q3

1216 Onsite MW-45 to sample
~~1230~~ Collected sample for VOCs, TAL Metals
1245 SVOCs (Dupe for VOAs)
1330 LUNCH + PICK UP SUPPLIES
1515 Return from lunch/shopping.
1525 Onsite MW-54
TD = 100.36
DTW = 73.73
Sat thick = 26.63
26.63 × 0.16 = 4.3 gal/volume
4.3 × 3 = 12.8 purge volume

pH	6.10	6.19	6.12
cond.	0.181	0.182	0.179
sal.	0.00	0.00	0.00
d.o.	10.07	10.13	10.05
TOP ~~temp~~. gw	18.1	18.5	18.3
turb ~~temp~~. gw	347	52	181

1530 Begin Purge.
1620 end Purge.
1625 Collected sample MW543 for VOCs, SVOCs (no Dupe), TAL Metals
1635 Sampling complete.
1650 Return to ProShop, pack samples
1900 offsite

(29) 09/25/97 DDMT Q3

1755 - Collecting TURBIDITY READS ON
ON HACH 2100P TURBIDIMETER.

MW403 — 4.53 NTU.
MW453 — 23.9 " "
MW413 — 111.0 " "
MW543 — 161.0 " "

09/26/97 DDMT Q3

0700 Onsite Calibrating instruments and gathering equipment.

Temp 72°F, Clear, less humid.

0915 Onsite MW-4

0925 Begin purge.

TD = 81.80

DTW = 69.54

Sat. Thickness = 12.26

12.26 × 0.16 = 1.96 gal/well volume

1.96 × 3 = 5.9 gal total purge volume

0948 End Purge.

0955 Onsite MW-8

1002 Begin Purge.

TD = 68.30

DTW = 57.74

Sat thickness = 10.56

10.56 × 0.16 = 1.7 gal/well volume

3 well volumes = 5.1 gal.

MW-8 Purge data

pH				~~mS/cm~~
cond.				mS/cm
d.o.				mg/L
sal.				%
turb.				NTUS
temp.				°C

DDMT Q3 09/26/97

1014 MW-4 Purge data

pH	5.67	5.74	5.76	
cond	0.193	0.193	0.194	mS/cm
d.o.	10.64	11.08	11.35	mg/L
sal.	0.00	0.00	0.00	%
turb.	>999	>999	87	NTUS
temp.	18.2	18.0	18.1	°C

1024 Purge ends at MW-8

1042 Onsite MW-2

TD = 35.00

DTW = 28.24

Sat. thickness = 6.76

6.76 ft × 0.16 = 1.1 g/volume

3 × 1.1 = 3.3 total purge volume

MW-2 Purge Data

pH				
cond				mS/cm
d.o.				mg/L
sal.				%
turb.				NTUS
temp.				°C

1050 Purged dry (MW-2)

(32) 9/24/97 DDMT Q3

1052 MW-2 bailed dry after ~ 0.75 gal.
1100 Pumped purge water at Dunn Field
1130 LUNCH
1200 Return from Lunch
1300 Onsite MW-4
1305 Collected sample MW403 for VOAs, TAL Metals
1320 Onsite MW8.
1330 Collected samples for VOAs, SVOCs, TAL Metals, Iron, TOC, NO3, NO4, NH4 Cl, SO4.
1405 Onsite MW-2
1410 Sample collected for VOCs (and dupe) and metals (TAL). Unable to collect Hardness due to insufficient recharge. Will collect hardness on MW-10.
1416 Onsite MW-10
1421 Begin purge.

MW-10 data

pH	5.97	5.96	5.99
cond.	0.192	0.274	0.278
sal.	0.00	0.06	0.01
d.o.	11.92	12.58	11.71
turb.	20	166	113
temp.	20.5	19.5	19.2

9/24/97 DDMT Q3 (33)

MW-10

TD = 68.02
DTW = 57.46
Sat. Thick. = 10.56
10.56 x 0.16 = 1.7 gal./volume
Total Purge = 5.1 gal.

1441 Purge ended, to trailer for more bottles.
1530 Onsite MW-10, collected samples for VOCs, TAL Metals, Iron, Cl, SO4, NO3, NO4, SO4, TOC, Hardness
1600 Return to office.
1615 - Left to Pick up Supplies needed For Sampling and Sample Shipment.
1705 - Back onsite. Making Sample Ice Bags.
1735 Collecting Turbidity Readings
MW 103 - 35.7 NTU
MW 803 - 26.8
MW 203 - 60.6
MW 403 - 71.6
1800 Offsite

DDMT Q3 09/27/97

0700 Onsite calibrating instruments (refer to cal. logbook for data) Successful calibration.

0843 Onsite MW-41

TD = 67.14
DTW = 64.82
Sat Thick. = 2.32
2.32 × 0.16 = 0.37g (1) volume
3 volume = 1.1 gal.

Purge Parameters - MW-41

pH	5.61	5.84	5.79	
cond.	0.262	0.228	0.231	mS/cm
turb.	91	34	50	NTUs
d.o.	10.24	9.45	9.79	mg/L
temp.	18.7	18.2	17.9	°C
sal.				%

0855 Collected sample MW41 03 for VOCs + Ppm Metals.

0905 Onsite MW-~~44~~42

TD = 59.10
DTW = 53.67
Sat Thick. = 5.43
5.43 × 0.16 = 0.87 (1) Volume
3 well volume = 2.6 gal

DDMT Q3 09/27/97

MW-42 Purge Data

pH	5.70	5.69	5.72	
cond.	0.149	0.158	0.162	mS/cm
sal.	0.00	0.00	0.00	%
~~cond.~~				mS/cm
turb.	79	349	170	NTUs
d.o.	10.32	10.43	10.26	mg/L
temp.	18.0	17.6	17.5	°C

0914 begin purge MW-42
0921 end purge Well dry.
1035 Collected samples for VOCs, Ppm Metals (and dupe), Unable to collect sample for MS/MSD due to low sample volume.

1100 Onsite MW-6

TD = 70.24
DTW = 57.84
Sat Thick = 12.40
well volume = 12.40 × 0.16 = 1.9 gal
3 well volumes = 6.0 gal

1110 Begin purge.
1130 Purge ends.
1142 Onsite MW-42. Attempted to collect MS/MSD. Low volume. Unsuccessful.

(36)

PDWT Q3 09/27/97
MW-6 Purge Data

pH
cond.
sal.
turb.
d.o.
temp.

1130 Purge ends MW-6
1200 LUNCH
1300 Return to MW-6.
1315 Collected MW603 for VOCs, SVOCs hardness and total metals.
1345 Onsite MW-32
TP = 68.00
DTW = 58.96
Sat Thick. = 9.04
1 well vol = 9.04 x 0.16 = 1.4 gal
3 well vol = 4.3 gal.

MW-32 purge data

pH
cond.
sal.
d.o.
temp.
turb.

1355 begin purge

(37)

DDWT Q3 09/27/97
1420 Purge end.
1445 collected MW3203 for VOCs, TTL metals, hardness, ³H, Cl, SO4, TOC, NO3, NO4, NH4
1500 Return to office
1700 offsite

JW 09-28-97

(38) DDMT - 3RD QT 9-28-97
G.W. Sampling.

0815 onsite, G. FORD, J. WOODS.
WEATHER: Clear, Light Breeze ~ 72°F
— Calibrated W.Q. Equipment
(see Cal. Log Book.)

0925 Onsite MW-37
TD= 183.55
DTW= 135.00
Sat Thick. = 48.55
1 well volume= 48.55 × 0.16 = 7.8 gal
3 well volume = 23.3 gal.
MW-37 Purge Data

pH	6.47	6.51	6.54
cnd.	0.290	0.295	0.299
sal.	0.01	0.01	0.01
turb.	7999	92	379
d.o.	10.41	10.24	10.23
temp.	19.3	19.7	19.9

0944 will attempt to use decontaminated Redi-Flo 2 pump

0955 - collected Field Blank. All Parameters that MW-37. Have.

DDMT - 3QT 9-28-97 (39)
G.W Sampling

Transferred DI. to Sample Bottles Down wind for Trucks Gen. and well. then Capped.

1012 Collected sample MW3703 for VOCs, SVOCs, TAL Metals, hardness, tritium Cl, SO4, TOC, NO3, NO2, NH4, TDS, Fl HCO_3

1030 Returned to office for cleanup, prep samples.

1700 Offsite

(40) 09/29/97 DDMT Q3

0700 Onsite Field office
Packing sampler, cleaning up
Field office.
1400 ~~thru~~ Venting well caps.
1630 Offsite

09/30/97
~~09/29/97~~ DDMT Q3 (41)

0800 Onsite clear, 74°F
0903 Onsite MW-53; water level 72.62
0914 Onsite MW-33; water level 47.78
0918 Onsite MW-37; water level 134.76
0922 Onsite MW-32; water level 58.45
0930 Onsite MW-30; water level 47.93
0936 Onsite MW-31; water level 63.98 ([illegible])
0941 Onsite MW-54; water level 73.95
0947 Onsite MW-44; water level 48.98
0953 Onsite MW-42, water level 53.60
[illegible] Onsite MW-51; water level 37.38
1023 Onsite MW-36; water level 159.46
1027 Onsite MW-49 water level 75.76
1036 Onsite MW-40 water level 50.23
1041 Onsite MW-28 water level 55.86
1046 Onsite MW-29 water level 36.90
1049 Onsite MW-08 water level 57.70
1052 Onsite MW09 water level 70.93
1056 Onsite MW04 water level 79.23
1059 Onsite MW-07 water level 63.~~18~~ 01
1102 Onsite MW-02 water level 28.65
1104 Onsite MW-10 water level 57.43
1107 Onsite MW-03 water level 61.89
1110 Onsite MW-11 water level 68.91
1112 Onsite MW-05 water level 74.16

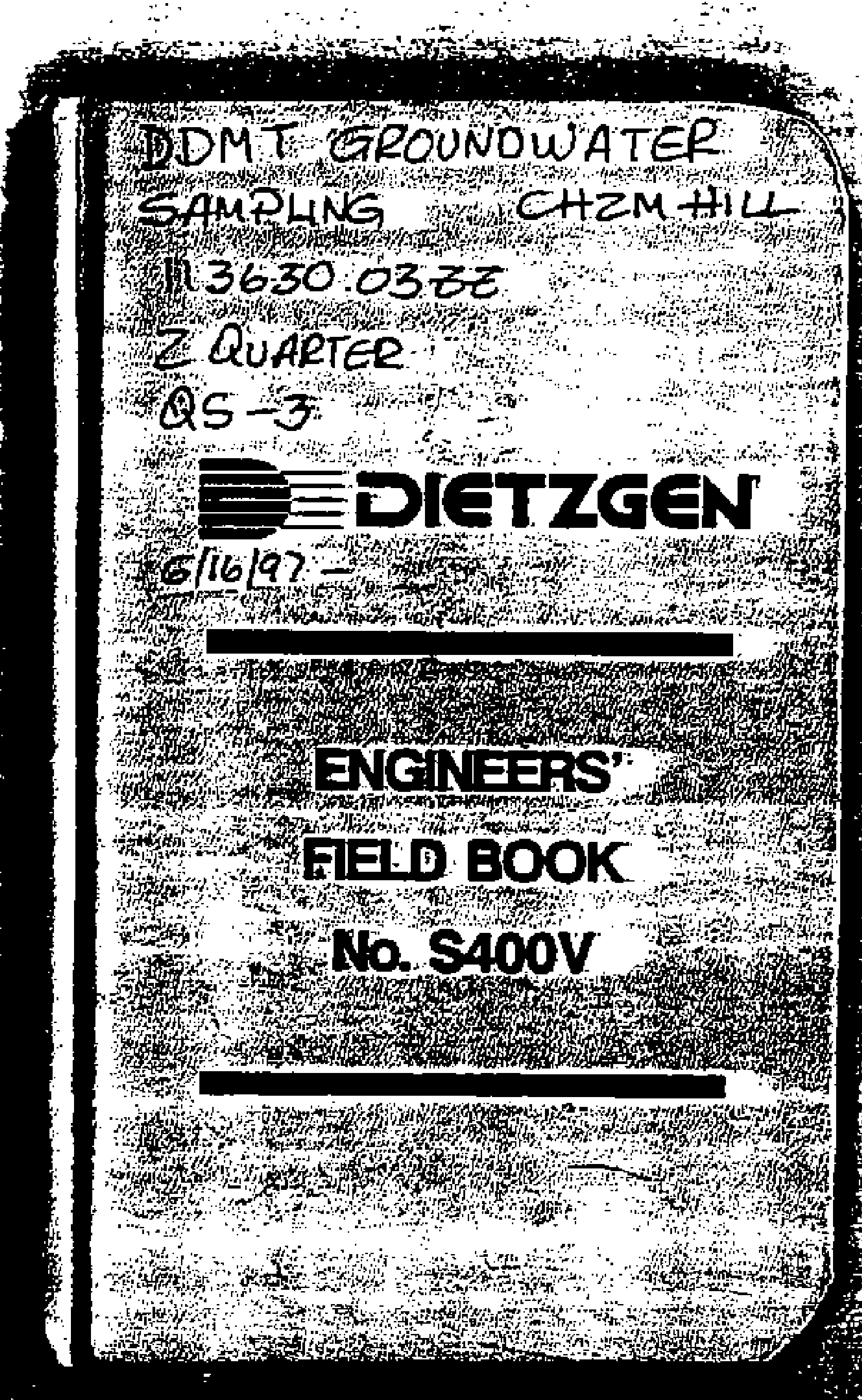
(42) ODWT 03 09/30/97

1115 Onsite MW-35 water level 69.71
1117 Onsite MW-12 water level 70.56
1122 Onsite mw-06 water level 57.81 (Well Needs well cap.)
1124 Onsite mw-13 water level 67.52
1128 Onsite mw-15, water level 63.90
1133 Onsite mw-14 water level 71.24
1136 Onsite mw-34 water level 141.81
8 ~~1146 mw-04~~
1326 Onsite MW-45 water level 53.09
1331 Onsite MW-41 water level 64.94
1337 Onsite mw-43 water level 98.35 (schoolyard well)
1346 Onsite mw-48 water level 78.80
1354 Onsite mw-47 water level at 101.46
1403 Onsite mw-16, water level 56.76
1408 Onsite MW-18, water level 133.48
1410 Onsite MW-38, water level 134.38
1416 Onsite mw-55, water level 69.55
1421 Onsite mw-19, water level 87.12
1424 Onsite mw-20, water level 84.55
1427 Onsite mw-21, water level 93.35
1430 Onsite mw-22, water level 96.16
1434 Offsite mw-2[illegible], water level 98.72
1436 Onsite mw-39, water level 102.50
1442 Onsite mw-24 water level 106.74

ODWT 03 09/30/97 (43)

Onsite mw-52 (1449), water level 80.03
1453 Onsite MW-50, water level 85.010
1500 Onsite MW-25, water level 72.04
1507 Onsite mw-26, water level 99.44
1516 Onsite mw-46, water level 80.20
1530 Packing items for FedEx
1600 offsite

GW 09/30/97



DDMT GROUNDWATER
SAMPLING CH2M HILL
113630.03ZZ
2 QUARTER
QS-3

DIETZGEN

6/16/97 –

ENGINEERS'
FIELD BOOK
No. S400V

SGR
Sept 22 1997
~~2nd~~ Quarterly Groundwater Sampling
Defense Distribution Depot Memphis
Delivery Order #4 ; Proj # 113630.23.02
Team : Bob Trebble ; Susan Russell
8:00 AM Bob Trebble arrived on site
began sampling event set up.
8:30 AM Susan Russell arrived on site for
Sample event set up.
8:30 - 11:30 reviewed project documents
Sample protocols Organized equip.
11:30 - 12:30 lunch.
13:00 - completed calibration of OVM
instrument # 46603 ·276 see Health
and Saftey Calibration book for cal results.
(pg 5).
14:10 Conference call with Greg Underley,
Bob Trebble, Dan Marian, Susan Russell
Greg Ford, John Wood, Steve Short
Went over project instructions sample protocol
14:30 Reviewed health and safety
Contaminants of concern Personal
Safety in problematic neighborhoods
Emegency issues
14:38 started out to measure water levels
- no keys to truck. Bob proceeded in
personal car to find Steve and track
down truck keys. Susan waited at office

(25)

Sept 22 1997 Qtly GW. Sampling

1457 Bob returned with keys started out from office to measure offsite wells - water levels.

- Passed ice machine repair man, stopped turned around to give instructions to repair technician prior to proceeding to field.

1500 Started out to field again

Met up with Greg Ford and John Word to locate MW-41

MW-43 is on School property not ROW for Rail Road

MW-54 - between rail road spurs

1517: opened well at MW-54. proceeded to MW-40

Parted company with Greg and John opened MW-31 along way no cap

1522 opened MW-40

1524 opened MW-42

- note all locks & possibly need to replace expansion caps

1528 opened MW-44 in side walk

1532 opened MW-43

1536 opened MW-46 SER 9/22/97

1538 opened MW-48

(26)

Sept 22 1997 Qtly GW Sampling

1541 opened MW-47

1548 opened MW-45

1551 opened MW 53

1555 measured head space in MW-31 with OVM - reading = 0 ppm

time	water level	OVM	well
1556	63.60	0	MW-31
1605	73.73	0	MW-54
1610	80.03 SER 9/22/97	0	MW-40
1615	52.91	0	MW42
1620	48.80	0	MW-44
1625	98.3	0	MW-43

- pvc chips on probe tip of H2O meter well appears to be dry.

time	water level	OVM	well
1635	dry SER 9/22/97 64.82	0	MW-41

needs new lock and cap

time	water level	OVM	well
1645	78.62	0	MW-48
1655	101.75	0	MW-47
1705	52.90	0	MW-46
1710	72.21	0	MW-53

Returned to office

18:00 left office for Hotel.

Susan E Russell 9/22/97

Sept. 23, 1997 Qrtly GW Sampling

SEE ~~0800~~ 0700 Arrived at office

team Bob Trebble + Susan Russell

weather: warm, rain.

Calibrated OVM # 46603-276

See Health + Safety Calibration book pg 6 for details

0715 Calibrated Horiba instrument Sn # 3554 see GW Monitoring equip Calibration book for details pg 4

810 Started into field (Dunn Field) to start first well - picked up 55 drum

8:30 On site at MW-46

Set up to purge well

8:43 Started purging well with teflon disposable bailer

8:50 Temp 18.8 at 3 gals
Sal 0.0 color lt amber
pH 5.75
Cond 0.207
Turb 129 in field

9:10 T 18.8 at 6 gals
Sal 0.0 color clear
pH 5.91
Cond 0.223
Turb 93 in field

Sept 23 1997 Quarterly Sampling

9:25 Temp 18.2 10 gals purged
Sal ~~5.93~~ SER 0. 9.5 gals
pH 5.93
Cond 0.244
Turbid 92
D.O. 4.16 not flowthru

9:30 took sample MW46 ~~2~~ 3 SEE 9/28/97

Terri Templeton arrived at site to collect split sample VOCs, extractables + metals

10:05 final parameters after sample collection
Temp 18.6
Sal 0
PH 5.92
Cond 0.238
Turb 82
DO 4.58

Total gallons of purge water in drum 10 5gals

MW 46 Well EVAL-
Needs - New Lock,
Expansible Plug

10:15 Cleaned up site and proceeded to MW-28 remained at MW 46 filling out paper work Closed locked well

(29) Sept 23, 1997 Quarterly GW Sampling

10:20 Started set-up at MW-28.

Steve Short dropped by for information

10:30 Terri Templeton left site to look for other sample teams

time	Gals	T	pH	Cond	Field Turbid.	DO	Sal
10:34	2 gals	18.9	6.07	0.293	>999	—	0.01
	- Color brownish orange						
10 43	4	18.9	6.00	0.272	>999	—	0.01
10 53	6	18.8	5.98	0.268	>999	—	0.01
1055	6.2	18.6	~~5.98~~ 3.89 SER	0.223	>999	5.15	0.01

Do not flow throw

11:00 Dan Marian arrived to ask where Drums were located

11:05 Dan left Collected sample MW ~~282~~ 283 SER 9/23/97

	gals	T	pH	SER cond	Turb	DO	Sal
11:06	7 gals	18.7	5.07	~~0~~.226	>999	4.75	0.0

- final parameters after sample

1110 Cleaned up site closed well & locked well

totals gals in drum 7 from well MW-28

well evaluation

- Needs a well box cover seal

proceeded to MW-31

11 SER ~~10~~:20 Sept 23, 1997 Qtly GW Sampling (30)

Stopped to confer with Greg Fords team. Decided to return to office pick up generator and break for lunch.

11:30 arrived at office

Dropped samples off into office

Stopped for lunch

1230 Returned from Lunch

- took check valve off pump because wont fit down hole in well

13:00 Stopped at store to pick up ice proceeded to well MW-31

1315 arrived at site started setup to purge well

1325 Started Pump.

time	Gals	T	ph	Cond	Turbid	DO	Sal
1330	3.8	18.7	6.04	.327	>999	3.33	0.01
1334	7 gal	18.6 18.4	6.00	.320	>100	3.62	0.01
1347	10.5	19.2	5.97	.324	>100	3.65	0.01
1350	11.0	18.4	5.97	.324	>100	3.56	.01

Collected sample MW 31 ~~2~~ 3 SER 92397

SER final parameters after sample

1355	15 gal	17.9	5.15	0.32	27	4.77	0.11

SER ~~1~~ 1410 pump stuck in well line broke!

were only able to get metals sample + FS+SVOC

(31) -- 9/23/97 Qtrly GW Sample
will Collect VOC after pump retrieval
1900 Dumped 55 gal drum of
water approximately 45 gals
of water in Drum
1930 returned to Office
to work out logistics
of pump retrieval
and new sampler location
1930 Returned to Dunn Field

1545 resampled for TAL Metals
because incorrect bottle
was used. at MW46

Susan E Russell
9/23/97

9/25/97 Quarterly GW Sampling (32)

0645 arrived on site
team Bob Trebble, Susan Russell
Calibrated OVM and Horiba
Calibration data recorded in
Health and Safety Calibration log book
and Horiba in field Instrument
log book, respectively.

0825 Completed decon of pump and
hose started for field toward
MW-38
0830 Arrived at MW-38 set up to pump
well.
top of well head submerged in water
from rain bailed out well box
~~850~~ SER 9/25/97
850 Started purging

SER 9/25/97
~~Purge gals T pH cond Turbid DO Salt~~
910 pump dewatered well changed to bailer
950 Bob left site for break.
10:00 Bob returned.

Susan E Russell
9/25/97

(33) Sept 25, 1997 Ortly G.W. Sampling

time	gals	T	pH	Cond	field Turb	DO	Sal
10:02	3gals	17.8	5.33	0.166	199	—	0.0

1010 Terri Templeton stopped by asked for directions as to where other crews were located

	gals	T	pH	cond	field Turb	DO	Sal
1025	6.3	17.7	6.26	0.146	130	—	0.0
1046	9.5	17.7	6.26	0.153	166	4.83	0.0

10:30 Terri Templeton arrived to take split samples - took samples MW 3[illegible] at 1055

1130 Terri left site after collecting splits

finals parameters

	Gal	T	pH	Cond	field Turb	DO	Sal
1130	12gals	17.9	6.22	0.166	51	43	0.0

Cleaned up site locked well

Proceeded to office

Recommend adding riser to well head. well was submerged in water at time of opening

Needs new lock and replacement cap.

12:20 broke for lunch

13:00 returned from lunch

talked with lab about sample shipments

Sept 25, 1997 Ortly G.W. Sampling (34)

1355 arrived at MW-22 to start purge set up

1400 Started Purge

1410 Parameters

gals	Time	T	pH	Cond	field Turb	DO	Sal
1.6	1910	18.1	6.24	0.388	965	-	5.0.001
3.5	1917	18.0	6.27	0.434	>999	—	0.01
~~4.5~~ 5gal	430	18.1	6.39	0.417	>999	5.36	0.01

1450

Collected Sample - after letting well set for 20 minuts MW 22 3

1505 final Parameters

gal	Temp	PH	Cond	field Turb	DO	Sal
5	18.4	6.33	0.414	>999	5.37	0.01

Closed well, locked, cleaned up site

Well needs new lock.

1510 Proceeded to MW 25

1525 Set up at MW25

1530

time	gal	T	pH	Cond	field Turb	DO	Sal
1530	1.2	17.9	6.10	0.271	>999	—	0.01
1535	2.5	17.9	6.18	0.208	>999	—	0.00
1540	3.4	17.6	6.10	0.249	>999	9.67	0 [illegible]

let well set before taking samples

(35) Sept 25, 97 Qutly GW. Sampling

1545 proceeded to discharge point (poly-container) for purge water Emptied purge water into poly container

1600 Tri State Drawed up during purge water discharging - could not get into MW 31. Proceeded to MW-31 to open well so they could fish out pump.

~~1626~~ 20 SER 9/25/97
Talked with Shawn Philips have a Fed ex box in his area will pick in morning Need to leave key in his desk befor we leave site at end of sampling program

+ collect MW 25 3

1630 returned to MW-25 to. Sample well final parameters

gals	T.	pH	Cond	field Turb	DO	Sal
5	17.7	5.17	.237	871	4.78	000

1643 Closed well locked well needs new lock cement pad broken.

Sept 25, 97 Qutly GW. Sampling (36)

1650 Cleaned up site and headed into office

1700 pack samples and filled out COC

1745
Bench Scale Turbidity

well	Turbidity (NTU)
MW22	814
MW25	22.9
MW38	30.8

Calibration check for turbidity meter in field equipment calibration book

19:45 Dropped samples off at Fed Ex

Susan E Russell
9/25/97

(37) Sept. 26, 1997 Quarterly GW Sampling

0700 Arrived on site Susan Russell and Bob Trebble.
Started prep for days sampling

0715 Calibrated OVM see Health and Safety calibration note book for details. - instrument calibrated
Calibrated Horiba see field sampler instrument note book for details instrument calibrated

817 Started out to sample at MW-39

825 Arrived at MW 39 well submerged in water within well box

8:30 Started purging well

Time	Gals	T.	pH	Cond	Field Turb	DO	Sal
845	2	17.9	6.31	0.368	194	-	0.01
902	4	17.8	6.34	0.311	111	—	0.01
920	6	17.9	6.40	0.297	111	4.95	0.01

welding was being done @ stick adjacent to site fumes vapors dispersing over sample site

Collected sample MW 393

Sept 26 1997 Qtrly GW Sampling (38)

9:45 final parameters after collection of sample

gals	T	pH	Cond	Field Turb	DO	Sal
7	18.2	6.25	0.298	193	5.42	0.01

950 - Closed up well locked well needs new lock
Cleaned up site and moved to well MW-26

1000 Set up at MW 26

1005 Started purge

1017 Collected parameters

time	gal	Temp	pH	Cond	Turb	DO	Sal
1017	2.2	19.0	6.16	0.357	>999	-	0.01

1020 Bailed dry at 2.5 gals
Will let recover and sample
proceeded to MW15 to purge while MW 26 recovers

1035 arrived at MW15

1040 Started Purging

time	gal	T.	PH	Cond	Field Turb	DO	Sal
1052	2.3	19.3	6.11	0.219	>999	—	0.00
1100	4.6	19.2	6.15	0.210	>999	-	0.00
1110	7.0	18.5	6.15	0.210	>999	5.88	

allowed to settle proceeded to MW-39 to purge

(39) Qrtly GW Sampling 9/26/97

1125 Arrived at MW-29
Set up and prepped to purge

1130 Started purge

time	gal	Temp	pH	Cond	Field Turb	DO	Sal
1140	2.8	19.0	6.14	0.348	>999	—	0.01
1144	5.6	18.6	6.38	0.354	>999	-	0.01
1200	8.5	18.1	6.24	0.349	>999	4.11	0.01

1200 finished purge let well set before sampling
Stopped to empty purge water into poly tank container before breaking for lunch
emptied ~ 22 gallons into tank

1230 lunch

1320 set up to sample at MW 26

1329 collected sample MW 263
final parameters after sample

1330

gal	T	pH	Cond	Turb	DO	Sal
3	20.7	6.18	0.359	910	5.71	001

1335 Closed up well locked
- well needs new lock and cap
Cleaned up site moved to MW15

9/26/97 Qrtly GW Sampling 40

1345 Returned to MW 15 to collect sample MW 153

gals	T	pH	Cond	Turb	DO	Sal
8	18.8	6.15	0.204	>999	5.40	0.00

Closed up well locked cleaned up site
well needs new lock

1350 proceeded to MW-29

1400 Collected Sample MW 293

1400 Parameters after sample

T	pH	Cond	Turb	DO	Sal
18.7	6.16	0.355	>999	3.36	0.01

Closed locked well cleaned up site
well needs new lock.
proceeded to office to confirm new sample site

1435 proceeded to MW-47

1445 arrived at MW-47 set up to purge

1450 started purge

41 9/26/97 Qrtly GW Sampling

Time	gal	Temp	pH	Cond	Turb	DO	Sal
1510	3.3	19.2	6.30	0.194	550	-	0.00
1527	6.6	18.9	6.40	0.281	627	—	0.01
1550	10	18.7	6.4	~~249~~ 0.357	>999	-	0.01
1600	11	18.4	6.3	0.341	>999	5.34	

1550 Collected sample MW 473

final parameters

	gal	T	pH	Cond	Turb set	DO	Sal
1600	13	18.5	6.38	0.354	680	4.23	0.01

1610 finished clean up of site
closed, locked well
well needs new cap expandable and lock

1625 proceeded to office

1730 Bench scale turbidity readings
calibration check on meter
recorded in instrument calibration log

	Turbidity (NTU) set 9/26/97
MW 39	~~79.4~~ 79.4
MW 29	81.0
MW 26	268.0
MW 15	504.0
MW 47	592.0

Susan E Russell 9/26/97

9/27/97 Qrtly G.W. Sampling 42

0700 arrived on site at Gate Security
tightened up. Sign in required

0710 Calibrated OVM and Horiba instruments
see Health and safety and field
instrument calibration logs for details
Organized field supplies for day.

0815 Arrived at MW-21 set up to purge

0820 Started purge

Time	gal	T	pH	Cond	Turb	DO	Sal
0830	2.3	17.8	5.40	0.256	>999	—	0.00
0845	4.6	17.6	5.86	0.200	>999	—	0.00
0855	7.0	17.6	6.00	0.197	>999	5.65	0.00

allowed well to set while sediments
settled before sampling
proceeded to MW-3 to purge

0957 John DeBack arrived
Department of Defense Transition
Coordinator. arrived saw us drive
thru gate at Dunn Field came to
check on what we were doing.
Requested that gate be kept closed

Mr. De Back indicated that there would be a possible chance of protestors and TV News Crews requested that we keep low profile should individuals arrive or approach us.

1020 Arrived at MW-03 set up to purge
1021 Collected water level at 15.16
1025 Started purge
1033

Time	gal	Temp	pH	Cond	Turb	DO	Sal
10:33	2.4	18.5	5.91	0.270	>999	-	0.01
1045	4.8	18.5	6.14	0.295	>999	-	0.01
1100	8.2	18.5	6.18	0.295	>999	9.42	0.01

Finished purge
will allow well to settle before Sampling
1102 proceeded to MW 21 to Sample
1120 Collected Sample MW2103
1130 final parameters after sample

Temp	pH	Cond	Turb	DO	Sal
18.2	6.12	0.195	>999	5.99	0.06

1135 Closed up well Locked
Cleaned up site well needs new lock.

1145 arrived at MW0303 SEK 9/27/97 to Complete sampling of well
collected MW0303
final parameters after sample collection

Temp	pH	Cond	Turb	DO	Sal
18.6	6.04	0.288	>999	4.63	0.01

1200 ~~Gato~~ SEK Closed up well Locked
cleaned up site
well needs new lock.
Proceeded into office for lunch.

1420 Arrived at MW51
OVM reading in well head 34 ppm
water level 37.38 no reading in breathing zone
1425 Set up to purge at MW51
1435 Started purge at MW51
1443

Time	gal	T	pH	Cond	DO	Turb	Sal
1443	5	20.4	5.86	0.281	—	>999	0.01
1457	10	19.0	6.00	0.280	—	855	0.01
1510	15	18.6	6.67	0.275	5.02	645	0.01

allowed well to sit for 10 minutes before collecting sample

1530 Collected sample MW 5103

Temp	ph	Cond	Turb	DO	Sal
18.6	6.04	0.274	541	5.75	0.01

- final parameters after sample

1535 Cleaned up site, locked well
Closed well top
Proceeded into office

1549 transferred purge water into Poly tank container

1700 Bench scale turbidity meter

	Turb reading (NTUs)
MW 21	145
MW 5 Lower	294
MW 2003	979

Susan E Russell 9/27/97

Sept 28, 1997 Qtrly GW Sampling
Team B Trebble S. Russell
Arrived at MW 21

1000 Collected sample MW 213 for TOC, Nitrate/Nitrite, NH4, CL, Sulfate, Iron

Susan E Russell 9/28/97

"Rite in the Rain"®

ALL-WEATHER

LINE RULE

Notebook No. 391

DDMT Q Groundwater Trip
Calibration Logbook
2nd Quarter 1997, 3RD Quarter
G.W. MONITORING Equipment
START DATE: 6-16-97
END DATE:

3rd Quarter GW Sampling ⑦
9/23/97 Calibrate Horiba-U10

0700 Horiba U-10 SN-3554 (CH2)
PH-3.95
SC-4.46
Turb-0
DO-8.28
Temp-25.4°C
Sal-0.23

Ja 9/26/97

9/24/97 3rd Quarter GW Sampling

OVM 580B SN 46603-276 onsite
SPAN=56 w/55 RF
w/100 ppm Isobutylene Lot# 42692

Horiba U-10 SN 3554
PH - 3.99
SC - 4.48
Turb - 0
Temp - 23.4°C
Sal - 0.23
DO - 8.70
Autocal Solution CAT# 2-14C00-2
Expires 5/22/99 Lot#1261

OVM 580B ~~SN~~ 24Sep97

Horiba U-10 SN 12169
PH = 3.99
Sc = 4.48
Turb = 0
DO = 8.84
Temp = 23.6
Sal = 0.23
Autocal Soln Lot#1261 exp 5-22-99
0850 24Sep97

9/24/97 3rd Q Sampling
HORIBA U-10 Sn. no. 610046
pH 3.94; conduct. 4.47; Turb. 5;
d.o. 8.42; temp. 23.3°C, sal. 2.22
using autocal sol. Calitech lot # 1261
expires 05-22-99
Calibrated by S. Short

JW 09-26-97

9/25/97 3RD Quarter GW Sampling

OVM 580 B SN- 46003-276 onsite
RF= .55 SPAN= 56 ppm w/100 ppm
IsoButylene LOT# 42692

Honba U-10 SN 3554 (CH2M)
PH - 3.94
SC - 4.48
Turb - 0
DO - 8.89
Temp - 21.3°C
Sal - 0.23

2100 Turbidimeter Hach brand
Calibration Check: Reading
Standard 4.94 NTU = 4.90
48.2 = 50.4
550 = 550

JW 09-26-97

9/26/97 3RD Quarter GW Sampling

OVM 580B SN 46003-276 onsite
RF 1.00 Span=

JW 09-26-97

Horiba U-10
PH - 4.00
SC - 4.56
Turb - 0
DO - 9.12
Temp - 19.7°C
SAL - 0.23

JW 09-26-97

OVM 508B SN 46299-276 w 10.0 ev Lamp
Span 102 ppm @ 100 RF
100 ppm Isobutylene
lot# 47791 mfg dat 01/97
26 Sep 97

Horiba 4/12019

T	19.9	Cond	4.45
Sal	.22	Turb	0
pH	3.97	DO	9.45

Auto cal Soln Lot# 1261 exp 5/22/99
26 Sep 97

12

9/26/97

Cal. Data Horiba U-10, Ser. # 610046

Cond. 4.53 mS/cm

Turb. 0 NTU

D.O. 9.14 mg/L

Temp. 20.5 °C

Sal. 0.02 %

pH 3.90 cal. sol. Calitech #1261

Sh. #

OVM Thermo Instruments Model 580B
cal. satisfactorily 99.9 ppm w/ 100 ppm
isobutylene, lot 47791

09-26-97

13

9/26/97 Hatch 2100P

Turbidity Calibration Check Turbidimeter

Standard	Reading	SN #
4.94	4.94	93030000269
48.2	49.6	
550	544	

09-27-97

9/27/97 3rd GW Sampling

OVM 580 B SN 46003-276 onsite
RF 1.00 10.2ev lamp
SPAN= 102 ppm w/100ppm Isobutylene
Lot# 47791 Manf. Date 1/97

Horiba U-10 SN 3554 (Colzm)
pH - 3.94
SC - 4.48
Turb - 0
Temp - 21.9°C
DO - 8.68
Sal - 0.23

Horiba U-10 SN # 610046
pH 3.94
cond. 4.52
turb. 3
d.o. 8.87
temp. 22.0°C
sal. 0.23 %

Jw 09-27-97

9/27/97 Q3 GW Sampling.
OVM Thermo Environmental Model 580B
SN# 44645-276 calibrated with 100 ppm
isobutylene (102.0 ppm) successfully.
Lot # 47791, manufactured 01/97

Calibration Check
Turbidimeter Hatch Model 2100P
SN# 930300002601

Standard	Reading
4.94	4.84
48.2	50.3
550	544

[illegible]
OVM [illegible] Model 580B [illegible]
cal. w/ 100 ppm isobutylene [illegible] (102.0 ppm)

9-27-97

28Sep97 0950

Calibrate Hach model 2100P Turbidimeter

SN 930300002601

Standard	Reading	Δ%
4.94	4.89	99.0
48.2	50.0	103.7
550	546	99.3

28Sep97

"Rite in the Rain"®

ALL-WEATHER

LINE RULE

Notebook No. 391

DDMT - 2ND QT, 3RD Quarter

HEALTH + SAFETY/OVM

EQUIPMENT CALIBRATION

LOG BOOK.

Proj # 113603.03.77.

START DATE: 6-16-97

END DATE:

⑤

DDMT 3rd Quarter G.W. 9/22/97

Calibration

OVM 580 B SN 46603-276 onsite

Span=55 w/55 RF w/100ppm Isobutylene

Iso. Lot# 42692 MFG. Date 6/95

RMTwebb 9/22/97

Calibration

OVM 580B SN 46293-276

Span = 55 w/55 RF w/100ppm Isobutylene [illegible]

Iso Lot# 47791 MFG Date 01/97

22 Sep 97 J.S. Short

9-25-97

Ⓡ
DPMT 3rd Quarter GW Sampling 9/23/97
0700 Calibrate
OVM 580 B w/10.0ev lamp
SN-41603-276
SPAN = 55ppm W/ RF 55
100ppm ISOBUTYLENE LOT#42692
Manufacturing Date: 6/95

~~Horiba U-10~~

0700 Calibrate
OVM 580B w/ 10.0 ev lamp
SN 46293-276
Span 56 ppm w/100 ppm Isobutylene
Lot # 47791 mfg date 01/97
9/23/97

0730 Calibrate
OVM 580B w/ 10.0 ev lamp
SN 46293-276 changed to 100 RF
Span 100 ppm w/ 100 ppm Isobutylene
Lot # 47791 mfg date 01/97
9-24-97

Jw 09-26-97

7

Calibrate Turbidimeter
Hach Model 2100P Turbidimeter
SN 930300002601

Std	Reading		% diff
4.94	4.95 NTU	~~9~~ 25Sep97	100.20%
48.2	50.1 NTU		103.94%
550	549 NTU		99.82%

24Sep97
25SEP97

Calibration OF Field equip
0715 calibrate OVM Model 350B
SN 46293-276 100 ppm Isobutylene mfg 01/97 Lot # 47791 exp 25Sep97
Span 100 ppm 10.0 Mev lamp
~~Lot# 1261 exp 5/22/99~~ 25Sep97
Horiba Model U-10
SN# 412019
Calibrated with AutoCal Soln
Lot 77 1261 exp 5/22/99

HORIBA U-10, SN # 610046 Water Quality
pH 3.96, cond. 4.57 mS/cm, 11 NTU Turb,
D.O. 8.99 mg/L, 21.3°C Temp, 0.23% Salinity
09/24/97

Jw 09-26-97

26 Sep 97 11:30

Calibration of HACH Turbidimeter 2100P

SN 930300002601

Std	Reading	Δ%
4.94 NTU	4.88 NTU	98.8
48.2 NTU	50.1 NTU	103.9
550 NTU	548 NTU	99.6

26 Sep 97

27 Sep 97

Calibration of Instrumentation

0715 - Calibrate OVM Mod 580B

SN 46293-276 w/ 10.0 ev lamp

RF = 100

Span: 100 ppm

w/ 100 ppm Isobutylene gas

lot 42692 MFG 06/95

Horiba Model. U-10

SN 412019

T 23.8 using Auto-Cal Soln

Sal 0.23 Lot# 1261 exp 5-22-99

pH 3.98

Cond 4.45

Turb 0

DO 7.07

27 Sep 97

27 Sep 97

Calibration of Hach Turbidimeter 2100R

SN 930300002601

Std	Reading	Δ%
4.94 NTU	4.82 NTU	97.6
48.2 NTU	49.9 NTU	103.5
550 NTU	548 NTU	99.6

"Rite in the Rain"®

ALL-WEATHER

LINE RULE

Notebook No. 391

CH2M HILL

DDMT Groundwater Investigation -

2- Quarterly Sampling

Logbook - H-1

START DATE: 6-16-97

END DATE:

9/22/97

Date: 9/22/97
Day: Monday Start: 1030 End: 1800
Event: Quarterly Sampling Event, September
Weather: Sunny, Warm 85° Winds light out-of-the Northe TB Reach 88°.
Team: Dan Marion – CH2M Hill
Steve Short – Pro-To-Serve
Equipment: HORIBA - Multi-meter
OVM - Organic Vapor Meter
Grundfos Pump (2" Low flow)
Calibration: Calibrated ovm - Recorded results in Cal Logbook. Calibration Successful

1450 Enter Dunn field - Pop - well - TOPS - Let equilibrate - measure organic vapors

mw-36 = ovm: .6 ppm

1530 OVM has malfunctioned - will take organic levels when we sample. Will take OVM readings when samples are collected.

D. Marion

D. Marion 9/22/97

9/22/97

Location	OVM	DTW	1997 DATE	TD	Vol(g)
MW36	0.6	160 (164.9) 85	9/22	209	23.5
MW49	1.1	(75.0) (x) 87	9/22	89.42	6.5
MW14	0.7	71.34	9/22	78.5	3.5
MW46	0.5	50.22	9/22	70.95	10
MW28B	0.0	55.88	9/22	69	6.3
MW29	0.2	35.88	9/22	53.78	8.6
MW08		57.74	9/22	68.3	5.1
MW07		9/22 Am ~~71.02~~	9/22 63.06	77.20	6.8
MW02		9/22 PM ~~69.57~~	9/22 28.24	35.0	3.3
MW10		57.46	9/22	68.02	5.1
MW09		71.02	9/22	79.8	4.2
MW03(NW)		61.92	9/22	77.0	7.2
MW11		69.04	9/22	81.50	6.0
MW~~08~~05		74.16	9/22	79.25	2.5
MW12] Pair		70.68	9/22	83.50	6.2
MW35]		69.84	9/22	83.04	6.4
MW13		67.62	9/22	80.30	6.1
MW04		69.54	9/22	81.80	5.9
MW15		63.96	9/22	78.40	7.0
MW06		57.84	9/22	70.24	6.0
MW34		142.29	9/22	163.38	10.2

1730 Complete water levels - Return to office complete paperwork

1800 Leave Depot

D. Marion 9/22/97

9/23/97

Date: 9/22/97 Tuesday

Event: Quarterly Sampling Event; September 1997

Weather: Mild 75°; Heavy Rain AM; To Reach Mid 80's Winds from the N. West

Teams: Don Marion - CH2M Hill
- Steve Short - Pro-TO-SERVE
- Susan Russell - CH2M Hill
- Bob Trebble - CH2M Hill
- Greg Ford - CH2M Hill
- John Wood - Pro To Serve

Equipment: HORIBA WATER QUALITY METER
- OVM VAPOR ANALYZER
- Grundfos 2" Sub. Pump/Controller
- Radio

Calibration: HORIBA/OVM Calibrations complete - Recorded in Instr. Calibration Log Book

0200 Don Marion/Steve Short Prep to Sample 30, 49 and 16.

Ø935 arrive at MW16 for water level determination
- MW16 OVM = Ø.9ppm level 56.56 ft
- Using OVM 580B 46293-276
- EI tape # 2333 CH2MHill

1030 Set-up @ MW 35 Set up pump to Purge well - Pump would

9/23/97

not draw water to Surface. Remove pump. Prep to bail by Hand.

1230 Begin Bailing well - Need to bail 70 gallons of water from well - WATER LEVEL 153 ft b/s.

1500 Rain becomes more heavy - Stop Bailing. Cap well

1530 Continue Bailing

1600 Rain becomes heavy again - Stop Bailing. Removed ≈ 50 gallons from well - Water level @ 200 ft. b/s - TD = 209 will Stop but well set over night and Sample in morning. Measure parameters every well vol and also after Sample collected (will collect on 9/24/97.

1700 Return to Office - Prep for Wells work.

1730 Leave Site End OF Day

9/23/97

9/24/97

DATE: 9/24/97 Wednesday
START: 700 END 1800
Event: Quarterly Sampling Event
Weather: Rain, Heavy Should Stop AM
75°

Team's: Dan Mason – CH2M Hill
Steve Short – Pro TO SERVE
Susan Russell – CH2M Hill
Bob Trebble – CH2M Hill
Greg Ford – ~~Pro~~ CH2M Hill
John Wood – Pro TO SERVE

Equipment: Horiba Water Quality Meter
OVM
Radio

Calibration: Horiba / OVM calibrate to MFR Standards – See Eq. Cal. Logbook

0930 Called Greg Underberg – Discussed problems w/ purging using the Grundfos Pumps – Tubing appears to be the source of most problems: Wall thickness will not withstand frictional forces due to large head differential when purging (ie) head diff > 120'.

9/24/97

Also same problem has occurred in Shallow well – Decision will be to Bail Wells to purge required well Volume. – Let Bailer Sit in well for at least 1-HR and then come back and fill metals.

1000 Arrive at MW36. Purged one Bailer Volume (1L) and began to Collect Metals Sample.

1050 Complete the Sampling of the Well MW36. Water Quality Parameters –

MW36.	Time	1005	1050
	pH	6.79	7.72
	Temp	19.0	19.1
	Cond (m/cm)	.197	.153
	DO	10.56	10.46
	TURB ~~Temp.~~	18.0	18.2
	Salinity	0	0

1135 Set-up @ MW16 – Pull head Space 0.6PPM. Water level @ 56.64. TD = 75.5 ∴ Need to Bail 9.1 gallons (3X Well Vol) for a Complete Purge. Water level Change 0.2 in 24 hours in response to 2" of Rain.

MW16 9/23/97

Time	1140	1145	1150	1155	1200	1120	Comments
Ph	6.38	6.36	6.35	6.47	6.43	6.41	Sample Collected @
Temp	20.0	19.7	19.8	20.0	20.0	20.1	
Cond	0.12	.129	.192	.346	.359	.421	
DO	9.73	9.84	9.77	9.73	10.12	10.19	
Turb	10	9	384	170	195	140	
Sal.	0	0	0	0	0	0.01	

1225 Complete Bailing / Purging of 3 well Vols in MW16. Total Vol = ~~20~~ [illegible] gals

1230 Mob TO MW49 to Purge, Head Space = 1.1 ppm. Water level change due to response to 2" of Rain 0.5' (+5.4'). TD = 89.42 Water level = 76.1 Total Purge Vol = (3x well Vol) 6.5 gallons

1245 Begin Purging MW49

MW49 Time	1245	1300	1310	1320	Comments
pH	5.92	5.91	5.87	5.83	Water quality will
Temp	18.8	18.5	18.3	18.2	not improve
Cond.	.158	.185	.165	.196	with increased
DO	10.95	10.98	9.90	10.72	purging.
Turb	-10	950	10.84	999	
Sal	.0	0	0	0	

D. Marin

9/24/97

1330 Complete purging of MW49. Purged this 10 gallons from well - Water maintained a reddish-yellow hue. Turbidity ~~was~~ is not good. Will let well sit before sampling

1330 Mob to MW30. Prep to purge well. Water level @ 42.62 feet TOC TD = 60 feet. Need to Purge 8.4 gallons Headspace 0.7 ppm. Setup to purge with Grundfos 2".

1400 Begin Collecting Water Quality Parameters

Time.	1400	1404	1407	1409	1410	1415	1425
pH	6.26	6.27	6.29	6.28	6.26	6.27	6.26
Temp	18.5	18.3	18.3	18.5	18.4	18.5	18.4
Cond	.388	.515	.437	.402	.396	.390	.365
Do	10.37	10.22	10.17	10.13	10.24	10.12	10.42
Turb	546	999	999	524	232	-10	-10
Sal	0	0.01	0	0	0	0.01	0

1446 Complete Sampling of well purged 16 gallons from well — Water Turbidity was very good. Let well sit 30 minutes before collecting data sets.

1445 Break for Lunch

D. Marin

9/24/97

15:50 Arrive at MW-49 to collect samples

Time ~~15:05~~ 9/24/97 Collect 16:05
DO 10.02
Temp 18.5
SAl 0
pH 5.97
Cond 208
Turb 98

1610 Mob to MW16. Sample will Collect VOC, SVOC and TAL metals.

16:25 arrive at MW-16 - Collect Sample - Well was already Purged

	16:35	16:40
DO	9.59	9.61
Temp	19.5	19.3
SAl	0.01	0.01
pH	6.41	6.41
Cond	.454	.489
Turb	10	87

D. Mann

9/24/97

17:20 Perform bench turbidity measurements using Hach Model 2100P turbidimeter SN # 930300002601 cal check performed and logged in calibration logbook

MW36 = 114 NTU
MW16 = 33.7 NTU
MW30 = 12.2 NTU
MW49 = 158 NTU

Dec - Packages and ~~ships~~ Sample 9/24/97 MW36, MW30, MW46 and MW16. COC Prepared and given to Bob to take to FedEx.

9/25/97

DATE: 9/25/97 Thursday
START: 700 END: 1800
Event: Quarterly Sampling Event, September
Weather: Rain; 75°
Teams: Dan Marin - CH2M Hill
Steve Short - Pro TO Serve
Susan Russell - CH2M Hill
Bob Tribble - CH2M Hill
Greg Ford - CH2M Hill
John Wood - Pro TO Serve
Equipment: Horiba Water Quality Meter
OVM
Bench Turbidity Meter

Calibration: All Equipment was calibrated to MFG Standard and log in the Logbook.

800 Mob to Well MW55. determine depth water level and headspace:
DTW = 69.26 / Headspace = 0.2 ppm
Purge Vol = 2.4 gal, TD = 74.08

835 Begin Purging Well. Bail 5 gallons out of Well - 1st Sample (Vol.) was very turbid. With each Bail turbidity has decreased.

840 Begin Collecting Water Quality Para.

9/25/97

WATER QUALITY PARAMETERS

MW55	08:40	900	910	140	1200
Temp	19.1	18.9	18.6	18.6	18.3
Sal	0.01	0	0	0	0
pH	5.92	5.85	5.85	5.98	5.90
Cond	.260	.238	.207	.237	.243
Turb	663	391	120	286	452
Do	9.41	9.11	9.07	9.32	9.30

940 Complete Well Purging - will let set for 1-HR and come back to Sample. Analytical Requirements are: VOC SVOC metals and WQ parameters specified in Project Instructions

915 Mob to MW33 to Purge and Sample. DTW - 47.46 TD = 59.1
A Truck is parked over well head (can still access well) Don't know if water Quality will be affected. Need to purge 5.6 gallon to extract 3 well volumes.

1030 Install pump - Begin to purge Well. Purge 16 gallons of water before water become clear. Collected Water quality parameters while purging well as listed below

9/25/97

1040 MW33 Water Quality of Water Extract (from MW33)

Time	1040	1042	1045	1047	1049	1103
Temp	17.7	17.6	17.7	17.6	17.4	17.7
Sal	0	0	0	0	0	0
Ph	6.04	6.02	5.97	5.94	5.94	5.94
Cond	.202	.201	.198	.198	.198	.200
Turb	647	999	338	125	359	89
DO	9.99	9.82	9.77	9.79	9.76	9.63

1049 Collect Sample MW33 - VOC and a TAL metal. End WQ Para (1103)

1100 Empty purge water from 55 gal drum.

1130 Mob back to MW33 to Collect Sample Collected VOC, SVOC TAL metals, H_3, Water quality Parameter WQ. Sampler / Bailer (Teflon)

1200 Complete the Sampling of the well MW55

1230 Break for Lunch

1315 Set up to Collect Soil Sample G3.5. Sample depth 0-1' (Surface Soil Sample). Split Sample was collected and given to Mr. Templeton of State of TN. Sample Collected: VOC(TCL),

9/25/97

SVOC(TCL), TAL(metals).

1405 Sample Collection time for G3.5.

1425 Mob to MW48. Sample consists of VOC, SVOC, metal(TAL) and FS(TOC, sulfate, nitrate/nitrite, Cl, NH4 and Fe) Headspace 1.8 ppm. TD = 93.5; DTW = ~~[illegible]~~ 78.62 7.14 gal need to be purged.

1445 Collect Water Quality Parameter During Purging.

MW48

Time	1445	1448	1502	1505	1520
Temp	19.5	19.5	19.6	19.6	19.3
Sal	0	0.012	.01	.01	0
Ph	6.25	6.25	6.23	6.24	6.27
Cond	.265	.266	.266	.268	.227
Turb	354	229	103	24	17
DO	9.67	9.68	9.10	9.8	10.13

1520 End of Sampling at MW48.

1530 Mob to MW23. Set up to install pump

1545 Install Pump to 107 ft bls with well @ 98.6 feet. Bail/Purge 70 gallon of water from Well

9/25/97

1600 Installed pump - Would not Bring water to Surface - Had to remove pump and bail well.

1800 Stopped Bailing MW23 - Turbidity to still high. Will Continue to bail in AM on 9/26/97

1830 Turbidity on MW33 - Benchtop 38.4 NTU. Will Call Lab and request them to clue Benchtop turb @ Lab.

9/26/97

Date: 9/26/97 Friday

Start: 700 END: 1830

Weather: Sunny 75°

Event: Quarterly Sampling Event, 1997

Teams: Dan Marion - CH2M Hill
Steve Short - Pro To Serv
Susan Russell - CH2M Hill
Bob Trefzger - CH2M Hill
Greg Ford - - CH2M Hill
John Wood - Pro To Serv

Equipment: OVM
Horiba Water Quality Meter
Bench To Turbidity Meter

Calibration: All inst. have been Calibrated to MFG Standards.

0835 Arrive at MW 23

Horiba WQ Measurements

Temp	18.4 0840	18.1 09:00
Sal	0.03	0.03
pH	7.18	7.20
Cond	.699	.700
Turb	179	436
DO	9.48	9.53

0905 Complete Sampling MW23 Collected VOC, SVOC, METAL and FS (Air/Rig Inst.)

9/26/97

0915 Mob to MW5303. Dunn Ave & Castalia RD & East Side of Road. Set up to purge

0925 Install pump - and recorded

MW53 water quality Parameter

Time	935	937	939	941	1000
PH	6.24	6.18	6.18	6.18	6.12
TEM	19.0	18.7	19.0	19.3	20.01
Sal	.01	.02	.02	.02	.01
COND	.503	.502	.502	.503	.459
TURB	322	118	65	12	61
DO	9.90	9.67	9.67	10.09	9.63

TD = 83.04 DTW = 72.21 OVM = 1.5ppm

3 well Vols = 5.19 gallons

Parameter include VOC, SVOC and TAL metals

943 Collect Sample MW5303

1000 End Collecting Sample MW5303

Metal Portion of Sample Turb = 12

1010 Mob to MW09, Set-up to Purge VOM = 1.9 ppm; TD = 79.8

DTW = 71.02 Need to pump 4.2 gallon to remove 3 well Vols.

Setup to collect water quality Parameters as follows:

9/26/97

MW 09 Time	1030	1031	1032	1034	1048
Temp	29.1	19.1	19.1	19.2	19.8
Sal	0	0.01	0.01	0.01	0
PH	6.57	6.44	6.43	6.44	6.49
Cond	.262	.267	.268	.271	.281
Turb	300	24	12	7	60
DO	10.5	10.70	10.78	10.75	10.63

1034 Begin Collecting Sample - Collect Metals and VOC aliquots. Metal collected at 1034 (Turb = 7) VOC collected at 1048.

1050 Clean-out purge water into 1000 gal Poly tank at Dunn Fld.

1145 Bench Top turbidity = 142 for MW23.

MW5303 = 10.8

1200 Break for lunch

1220 Decon Pump. Prep to collect Surface Soil K3.5 @ 2 Sets of Sieving bot

1430 Set up at K3.5 (1x5)

1440 Collect K3.5 Surface Soil - Include VOC, SVOC and metals

9/26/97

1450* Mob to MW1303 - Setup to purge well. OVM=1.3ppm

1505 Install Pump in MW1303.

TD= 80.3 DTW=67.62

1 well vols = 6.1 gallons.

MW 13	Time	1521	1523	[illegible]	1530	1533
	Temp	21.4	20	12.8	19.9	20.0
	Sal	0	0	0	0	0
	PH	6.22	6.18	6.13	6.16	5.81
	COND	.212	.215	.221	.219	.203
	Turb	900	254	16	1	64
	DO	11.76	11.55	12.49	12.59	11.97

1535 Collect MW1303 Metal Collected @ 1537 (Turb=1).

1550* Complete Sampling MW1303

1600 Mob to MW3403 DTW=137.78

TD = 163.38 Three well Volume = 10.2 gallons.

Install pump (2" sub) to 157' feet - mid pt of screen interval.

Started pump - Producing ≈ 1.5 gpm. Water was clear.

Begin to collect water Quality Parameters as follows:

D. Mann

9/26/97

MW34 Time	1635	1637	1640	1642	1705
Temp	21.5	20.6	20.2	20.4	20.6
Sal	0	0	0	0	0
Ph	6.12	6.10	6.10	6.12	6.07
Cond	.179	.177	.178	.181	.180
Turb	1.75	47	24	26	57
DO	11.48	11.72	11.41	11.14	10.86

1642 Begin Collecting Sample MW3403 Collected a Dup of VOC at this location. Also collect FS, SVOC, VOC and metals.

1705 Finish collecting Sample MW3403. VOA collected @ 1705.

1720 Drive to Water (waste) Poly tank to empty purge water from 55-gal drum.

1745 Complete transfer of purge water to 1000 gal Waste Water tank.

1820 Turb MW 34 = 18.8

mw 13 : 5.62

taken with Hach Turbidimeter

D. Mann

9/27/97

DATE: SATURDAY 9/27/97
Start: 700 END: 1650
Event: 3rd Quarter GW. Sampling
Teams: D. Marion - CH2M Hill
S. Short - Pro To Serve
G. Ford - CH2M Hill
J. Wood - Pro To Serve
B. Trebble - CH2M Hill
S. Russell - CH2M Hill

Equipment: OVM
HORIBA WATER QUALITY Meter
Bench Top Turbidity Meter

Calibration: All instruments calibrated to MFG Standards. See Cal. Logbook

915 Mob to MW35/MW12 Location. Set pumps in wells. MW35 - 101 in well. Breathing Zone 0 ppm. MW12 = 218 in well. Breathing Zone 1.5 ppm.

930 Begin Purging MW3503. Collected Water Quality Parameters. Need to purge 8.9 gall = 3 well vols. Start pump and begin extracting water. Monitor breathing zone =

D. Marion

9/27/97

MW35

Time	940	942	944	945	1050
Temp	18.5	18.4	18.5	18.7	22
Sal	0	0	0	0	0
Ph	6.04	6.07	6.07	6.05	6.9
Cond	.258	.249	.245	.234	[illegible]
Turb	322	148	95	34	247
DO	9.95	10.0	9.9	9.7	11.4

Collect VOC, SVOC metals (Dis/M/MSD) and FS and Hardness
VOC collected 1055
Metal@ 945 = 34 NTU
Bench TOP Turb = 16.4

Purge 12 gallon of water
947 Begin Collecting Samples.
955 Complete Sampling @ MW3503
1020 Begin Purging MW1203. Collect **MW12** Water quality Parameters as follows:

Time	1015	1017	1018	1025	1029	1100
Sal	0	0	0	0	0	0
Ph	6.31	6.3	6.29	6.27	6.3	6.26
Cond	.239	.238	.234	.232	.236	.239
Temp	19.2	18.9	19.1	18.9	18.9	20.4
Turb	157	59	72	76	24	82
DO	11.71	11.67	11.11	10.9	11.0	12.59

VOC collected @ 1100
Bench Top Turb = 10.1

Purged 18 gallon of water
1030 Begin Collecting Sample. Metal = 24 Turb
1031 End Collecting of MW1203
Collected VOC and metals
*PPE FOR MW/12/35: TYVEK, Surgical Glove over Glove (Nitrile) - No Respirator (Breathing Zone) Level D

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Work gone up-wind of wells

1105 Complete Sampling of MW1203/ MW3505.

1110 Transfer Purge water to 1000 gallon water heater Poly tank @ Alum Fld

1140 Mob to office to decon pumps and obtain Bottle ware

1220 Break for lunch

1255 Set-up @ MW0703 - Prep to purge well. Well TD = 72.2 DTW = 63.02 Need to purge 6.8 gallon (= 3 well vols). Head Space 0.5 ppm.

to Collect SVOC, VOC and metals

1310 Begin Purging Well - Initial Vals

MW07 Very turbid. MW0703

Time	1313	1315	1317	1319	1322	1326	1342	
Temp	20.1	19.4	18.9	19.0	18.9	18.9	20.1	VIA Collected @1342
Sal	0	0.01	.01	.01	.01	.01	.01	
PH	6.22	6.22	6.21	6.22	6.21	6.21	6.26	
COND	.257	.303	.305	.307	.305	.31	.292	
Turb	999	199	595	176	54	78	68	
DO	12.28	12.5	12.08	11.63	11.07	11.04	10.73	

1325 Collect Sample - metal Turb = 54

1346 Complete Sample Collection.

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1345 Mob to MW0503. - Pump out purge into 1000 gal poly ~~water~~ 9/27 ~~wastewater tank~~.

OVM = 18.4 ppm in well.

TD = 79.25

DTW = 71.16 3 Well Vols = 25

Installed Pump - Began to purge drawdown was below pump intake let recharge.

OVM = 325 in hole. MW1103

Collect TAL metal, VOC ~~Fecal~~

1440 Begin Purging - @ MW1103

Time	1445	1447	1450	1452	1454	
Temp	~~20~~ 19.9	18.9	19	19.6	18.9	VOA Collect @ 1458
Sal	0	0	0	0	0	
Ph	5.82	5.91	5.93	5.97	5.97	
Cond	.257	.248	.241	.251	.251	
Turb	999	999	338	49	19	
DO	13.2	13.89	13.13	12.51	12.23	

Collect Sample @1452. Metals collected and ~~field~~ unfiltered metals = 19 NTU.

Collect VOA @ MW1103 - [1458]

1505 Finish @ MW1103 - Go Back to MW05 to check well recharge. Well recharge good - Start pump and purge

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OVM = 243 ppm

1435 Setup at MW1103. Install pump Water table @ 69.04
TD = 81.5 3 well Vols = 6 gals.

1535 MW705 - Water Quality Parameters

Time	1512	1515	1516	1519	1521	1534
Temp	19.7	18.9	18.9	19.1	18.9	19.8
Sal	0	.01	.01	.01	0	0
pH	6.34	6.35	6.34	6.35	6.33	6.38
Cond	.361	.357	.353	.358	.312	.414
Turb	416	124	81	77	5	241
DO	12.4	12.12	12.17	12.01	12.0	11.74

1520 Collected Sample - Purged 25 gallons
Metals Sample Collected @ 1221 =
NTU = 5

1534 VOA Collected - This completes Sampling at MW0503

1650 Bench top Turbs
MW71 = 16.4
MW5 = 11.4
MW7 = 28.7

R. Marion

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DATE: 9/28/97 Sunday
START: 0800 END:
Event: 3rd Quarter Groundwater Sampling
Team: D. Marion - CH2M Hill
S. Short - Pro To Serve
G. Ford - CH2M Hill
J. Wood - Pro To Serve
B. Tubble - CH2M Hill
S. Russell - CH2M Hill

Equipment: OVM
Horiba
Turbimeter

Calibration: All instruments have been calibrated to MFG Specs.
See project calibration log book

8:30 Set up to Sample MW3703
Organize all paperwork.

900 Hardware was collected at MW1003 - Was supposed to be collected at MW02. Could not get adequate Volume for Hardness.

0930 Setup to Purge @ MW37
Set pump - Begin purging - Producing ≈ 1 gal/minute

0940 Stone/Dam base MW37 Site
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to Set up for Surface Soil Sampling

1040 Setup @ K3.5 - Auger to collect sample.

1045 End collection of K3.5. Hand auger to 1.0 ft bls-

1050 Return to office Decon Hand Auger Bucket

1135 Collect I3.5 - Outfield Surf Soil Sample @ Ball field

1150 Complete Sampling @ I3.5

1200 Sample Infield at Ball Field

1205 Collect H3.5 - Surface Soil at Baseball field infield

1235 Collect M3.5 - Behind Pool

1245 Collect L3.5 - Surface Soil Next to Storm Drain

1305 Collect N3.5 - Just West of Big Oak.

1320 Collect J3.5 from Traffic Island

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PARK AREA

K3.5 B Comp

①

	Code
Swing Set Large	1401
Swing Set Small	3015
Teeter Totter	2018
Merry Go Round	205
Swing Set Big Farm (Clover bud)	3015

Collected as one Sample

K3.5B Code

Because Surf. soil at Large Swing was sent as a grab.

BASEBALL FIELD - H3.5/I3.5

② Infield - 1 of 4, 2 of 4, 3 of 4, 4 of 4. (H3.5) (1205)

③ Outfield
1 of 4 — I3.5 (1135)
2 of 4 —
3 of 4 —
4 of 4 —

VOC, SVOC & Metals TAL

④ Big Oak Tree (N3.5)
N3.5 VOC, SVOC & TAL Metals

⑤ Sewer Drain (Low Area) - (L3.5)
VOC, SVOC Metals TAL

⑥ North of Baseball Field - G3.5
G3.5 Grab Collect 9/25/97
VOC, SVOC, metals

⑦ Island (Traffic Island) (J3.5)
J3.5 - VOC, SVOC and Metals

⑧ AT POOL (M3.5) 1235
VOC, SVOC and TAL metals

D Manor

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