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**ANNUAL GROUNDWATER MONITORING REPORT
CLOSURE YEAR 25 (2021)**

**UNION ROAD SITE
TOWN OF CHEEKTOWAGA
ERIE COUNTY, NEW YORK
(SITE REGISTRY NO. 9-15-128)**

**Prepared for:
AMERICAN PREMIER UNDERWRITERS, INC.
(FORMERLY THE PENN CENTRAL CORPORATION)
ONE EAST FOURTH STREET
CINCINNATI, OHIO 45202**

**Prepared by:
UNICORN MANAGEMENT CONSULTANTS, LLC
52 FEDERAL ROAD, SUITE 2C
DANBURY, CT 06810**

February 23, 2022



Document Authorization Form

**Annual Groundwater Monitoring Report
Closure Year 25 (2021)**

**Union Road Site
Town of Cheektowaga
Erie County, New York
(Site Registry No. 9-15-128)**

Prepared for:

**American Premier Underwriters, Inc.
(Formerly The Penn Central Corporation)
One East Fourth Street
Cincinnati, Ohio 45202**

Prepared by:

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February 23, 2022

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Date

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1 INTRODUCTION

This Groundwater Monitoring Report has been prepared by Unicorn Management Consultants, LLC (UMC) on behalf of American Premier Underwriters, Inc (APU). The purpose of this document is to demonstrate compliance with Section 12.4.1 of the Union Road Site Remedial Design Report (Design Report), approved by the New York State Department of Environmental Conservation (NYSDEC) in May, 1995. Section 12.4.1 of the Design Report discusses the Groundwater Monitoring Plan (GMP).

The purpose of GMP is as follows:

- To evaluate the groundwater quality to assess the effectiveness of the remedial action performed in accordance with 1995 Design Report, and
- To monitor the groundwater gradient of the three hydrogeologic units in and around the closure area.

The GMP consists of these elements:

- The installation of groundwater monitoring wells inside and outside the slurry wall around the landfill closure;
- The collection and analyses of groundwater samples; and
- The determination of groundwater elevations.

Please note that pursuant to a letter dated October 18, 2001, from Blank Rome Comisky and McCauley, LLP (APU's legal counsel), effective October 19, 2001, APU designated UMC as their environmental consultants.

The Union Road site ("the Site") is a Class 4 Site as defined by the NYSDEC. The Site registry number is 915128. The Site is located at 333 Losson Road in Cheektowaga, New York (see Figure 1-1). A Record of Decision (ROD) for the Site was signed on March 9, 1992. Order on Consent Index No. B9-0148-92-03 was signed by The Penn Central Corporation (currently, APU) and the NYSDEC; the effective date of the Order is April 12, 1994. Appendix "B" of the Order is the Final Remedial Action Work Plan (the "Work Plan"), dated June 18, 1993.

As required in Section 4.2 of the Work Plan, the design documents, including the Union Road Site Remedial Design Report, were submitted in May 1995 to the NYSDEC and were subsequently approved. After approval, work commenced and the landfill closure was completed in December 1996. Figure 1-2 illustrates a plan view of the Site closure.

The GMP, and Operation and Maintenance (O&M) activities for the Site went into effect following the landfill closure. This report presents and summarizes the activities conducted and analytical data for groundwater samples collected on Site during Closure Year 25 (2021). The 2021 Annual Sampling Event is the 28th sampling event since the landfill closure.

2 WELL INSTALLATION

As proposed in the GMP, five well clusters were installed along the outside perimeter of the slurry wall. These exterior wells are identified as MW-10S/M/D, MW-11S/M, MW-12S/M/D, MW-13S/M, and MW-14S. Adjacent to these wells, along the inside perimeter of the slurry wall, five shallow wells identified as MW-15, MW-16, MW-17, MW-18, and MW-19 were installed.

Three additional shallow wells (not originally proposed) were also installed. These wells (MW-20, MW-21, and MW-22) were installed in the center of the landfill to monitor the elevation of groundwater inside the landfill closure. Proposed well MW-20S adjacent to the outfall of the new wetland was installed; however, the identification of this well was changed from MW-20S to MW-23S. As discussed in the Groundwater Monitoring Report for the Second Quarter 1997, the original Monitoring Well 14S (MW-14S) was decommissioned and the replacement was reinstalled nine feet southwest (along the fence line). The MW-14S replacement was installed, surveyed and developed on August 19, 1997. Well designations and locations are shown on Figure 2-1.

Installation of monitoring wells proceeded according to Section 02170 of the Technical Specifications. Installation of the interior wells occurred from February 19-23, 1996. Installation of the exterior wells took place from December 10, 1996 through January 6, 1997 and August 19, 1997. Copies of the Boring Logs and Well Construction Drawings are included as Appendix A.

3 GROUNDWATER SAMPLING AND ANALYSES

3.1 GROUNDWATER SAMPLING

The purpose of groundwater sampling and analyses is to assess the effectiveness of the remedial action by evaluating the groundwater quality.

According to the GMP, groundwater samples will be collected from the outside perimeter monitoring wells by the following schedule:

- Quarterly the first year (1997);
- Semi-annually the second year (1998);
- Annually, during the dry season (1999 to 2019); and
- Bienially thereafter.

The parameters and applicable methods for the analyses are as follows:

- Total petroleum hydrocarbons (TPH) by EPA Method 1664B;
- Volatile organic compounds (VOCs) by EPA Method 8260C;
- Semi-volatile organic compounds (SVOCs) by EPA Method 8270D; and
- Soluble metals (lead and arsenic) by EPA Method 6010C, respectively.

The sampling frequency, analytical parameters, and/or sampling of specific wells will be modified based on the results of previous sampling events (since the landfill closure) and with written approval from the NYSDEC. In letters dated November 22, 2019 and January 24, 2020, NYSDEC concurred with UMC's assessment that historical analytical data for the Site supported a change in the frequency of the groundwater sampling events from annual to biennial.

To evaluate the immediate effects of remedial activities on the groundwater around the landfill closure, the results of this sampling event are compared to results gathered from previous investigation reports performed by Dvirka and Bartilucci prior to the landfill closure. The data from the reports dated June, 1991 and August, 1991 are summarized in Table 3-1. Comparison between the averages prior to closure with post closure in the shallow wells shows significant decreases in all of the contaminants analyzed. To determine the continued effectiveness of the containment system, future sampling will be compared to the pre-closure concentrations.

3.2 2021 ANNUAL SAMPLING EVENT

On September 19-20, 2021, UMC conducted the 2021 Annual Sampling Event. UMC collected groundwater samples from a total of eleven groundwater monitoring wells on Site. UMC then submitted the groundwater samples to ALS Environmental Laboratories in Rochester, NY (ALS) to be analyzed for the parameters listed in Section 3.1 above. Copies of the field notes are included in Appendix B.

Table 3-2 summarizes the water depth measurements and well purging operations completed on the wells along the outside perimeter of the slurry wall during the 2021 Annual Sampling Event. Tables 3-3 through 3-8 present the analytical results from this sampling event. An electronic copy of the analytical data report is included in Appendix C.

3.3 SUMMARY OF ANALYTICAL DATA

No TPH, SVOC, lead, or arsenic were detected in any of the groundwater samples collected during this year's annual sampling event.

Acetone was detected in groundwater samples collected from MW-10D (13 µg/L); which is below the NYSDEC groundwater standard of 50 µg/L. Acetone was not detected in any other groundwater samples collected during this year's annual sampling event. No other VOCs were detected.

Acetone is a common laboratory artifact and has not been observed consistently in groundwater samples collected on Site.

3.4 SUMMARY OF HISTORICAL ANALYTICAL DATA

Since the landfill closure in 1997, groundwater sampling has been conducted a total of 28 times. The data from these 28 events is presented in Tables 3-9 and 3-10 of this report. Total values for SVOCs, VOCs, TPH, soluble arsenic, and soluble lead are presented in Figures 3-1a to 3-11e of this report. In the majority of wells on Site, the total concentrations of these compounds have either declined or remained below detection levels since 1997. Upward trends for VOCs and SVOCs are observed in three wells on Site; MW-12M (Figure 3-7a), MW-13S (Figures 3-9a and 3-9b), and MW-14S (Figure 3-11b).

The upward trends in VOCs in MW-13S and MW-14S are due to singular detections of acetone (12 µg/L and 14 µg/L respectively) in 2019. The laboratory analytical report for these samples notes that the Continuing Calibration Verification (CCV) exceeded control limits for acetone, and that all concentrations of acetone should be considered estimated. The upward trend in SVOCs in MW-12M and MW-13S are due to singular detections of bis(2-ethylhexyl)phthalate in 2018 (14 µg/L in MW-13S) and 2019 (120 µg/L in MW-12M).

Both acetone and Bis(2-ethylhexyl)phthalate are common laboratory artifacts and have not been observed consistently in groundwater samples collected on Site.

4 GROUNDWATER ELEVATION MONITORING

The purpose of groundwater elevation monitoring is to determine the groundwater gradient of the three hydrogeologic units in and around the closure area. The three hydrogeologic units (layers) are:

- The overburden layer (shallow), which is above the clay layer;
- The till layer (medium), which is beneath the clay layer; and
- Bedrock (deep), which is beneath the till layer.

As stated in the NYSDEC approved Design Report, the frequency of groundwater elevation measurements are as follows:

- Monthly for the first six months after closure (Jan – June 1997);
- Quarterly thereafter until the end of year two (July 1997 – December 1998); and
- Annually (during the dry season) thereafter.

The objective for collecting groundwater elevation measurements is to gain knowledge of the groundwater flows and hydraulic gradients in and around the closure. This information is used to generate groundwater flow maps and demonstrate an inward gradient of groundwater around the closure.

On September 19-20, 2021, UMC measured the depth to groundwater in the monitoring wells. Table 4-1 summarizes the results of these measurements. Both MW-20 and MW-22 had thick tar like product measured from the surface, but a total depth of product was not determined due to potential damage to the waterlevel meter. It is assumed that the free product is present through the water column in both wells. The data from Table 4-1 were used to create groundwater contour maps (Figures 4-1 through 4-3), which depict groundwater elevations and inferred groundwater flow directions in the three hydrogeologic units. Figure 4-1 shows an inward gradient of shallow (overburden) groundwater across the slurry wall and towards the dewatering trench at the east corner of the closure.

Figures 4-2 and 4-3 depict groundwater elevations in the medium and deep units. The inferred groundwater flow direction for the medium unit is toward the southeast. The inferred groundwater flow direction for the deep unit is easterly. However, since only two monitoring wells intercept the deep unit, a groundwater contour map cannot be produced. Flow is generally toward the southeast and east respectively and has not been affected by the placement of the landfill closure.

5 SITE INSPECTION AND MAINTENANCE

UMC performed the 2021 Site Inspection on May 18, 2021. UMC was accompanied by Ms. Megan Kuczka of the NYSDEC Division of Environmental Remediation. The 2021 Site Inspection consisted of walking the site and documenting any observations. Below is a summary of observations made during the 2021 Site Inspection, as well as any maintenance activities that have been conducted in 2021:

5.1 ROUNDHOUSE AREA

The area is well vegetated and stabilized. During the 2021 Site Inspection, several large holes were observed where the concrete of the former roundhouse has collapsed. These holes are large enough for a person to fall into. However, this land is not owned by APU. Numerous property owners adjacent to this area have encroached on it and are maintaining it with the rest of their properties. No action is needed.

5.2 LANDFILL CLOSURE

There are no signs of erosion, no areas of distressed vegetation, and no evidence of any outbreak of any substance (slurry wall material or oil) on the landfill. Erie County Water Company has previously been notified that a small quantity of contaminated soil is located northeast of the new wetland area and beneath the existing water pipe. UMC has an account with Dig Safely New York so when someone needs to dig in the area and calls Dig Safely, UMC will be notified. Except for periodic grass cutting, annual groundwater monitoring, and quarterly groundwater discharge monitoring required by the Buffalo Sewer Authority, no action is needed.

During the 2021 Site Inspection, UMC observed some erosion due to a small number of animal burrows located on the sloped area between the landfill and the northern wetlands. These burrows were previously filled in with soil purchased at Home Depot in April 2019. On September 19, 2021, UMC filled the erosion located on the slope between the landfill and the wetlands to the north of the landfill with topsoil purchased from Home Depot and reseeded the affected area with a local ryegrass grass seed blend. UMC continues to monitor the erosion and will replace eroded soils as necessary.

Some rutting attributed to vehicular traffic was observed along the southwestern side of the site near Slate Bottom Creek. This rutting does not affect the integrity of the capped landfill.

UMC and NYSDEC also observed multiple beaver dams on both Deer Lik and Slate Bottom Creeks.

No soil disturbances were noted in the enclosed landfill and the observed disturbances noted above can be attributed to animals or vehicles outside the enclosure.

As requested by the NYSDEC, grass on the landfill area is mowed annually. Annual Mowing was performed on September 19, 2021.

5.3 WETLAND RESTORATION

The wetlands north of the landfill closure, which was created during the remediation activities has continued to reestablish itself. The wetlands have completely revegetated itself and wildlife (e.g., ducks, geese and deer) have returned to the area.

5.4 STREAM RESTORATION

A letter to the Town of Cheektowaga (Town) was sent by APU's Legal Counsel on October 7, 2005. This letter informs the Town that it must notify the NYSDEC prior to any activity in those creeks where the reno mattresses are located (see Figure 1-2).

The reno mattresses installed in 1995/1996 and repaired in 2006 on the creek channel have stabilized and vegetation has established itself through the reno mattresses. There is some sediment accumulation within the creek channels, but at some locations the reno mattress wire mesh was visible at the base of the channel.

At the time of the 2021 Site Inspection, the gabion basket wing-walls were stable and the reno mattresses installed along the creek were in overall good condition. Since the last repair on May 15-16, 2019 of the reno-mattress no new ATV damage was observed and were in overall good condition. UMC will continue to monitor this area for ATV damage and make repairs as needed.

5.5 DOWNSTREAM AREA

Though some of the trees planted in this area have died, there are no signs of erosion in this area. Grass has established itself in this area. No action is needed.

UMC will continue to inspect and repair all closure areas to ensure that the closure remains intact and successful.

5.6 DEWATERING SYSTEM

Around November 2020, the Site's ultrasonic flowmeter stopped measuring the flow rate and total amount of water discharged to the sanitary sewer. UMC attempted a repair during the 25th Annual Site inspection. UMC cleaned the ultrasonic transducers and replaced the sonic coupling compound in an attempt to improve the signal strength and flowmeter performance. The maintenance activities performed did not resolve the issue. UMC determined that a replacement for the flowmeter with an in-line turbine flowmeter should suffice.

On August 18, 2021, UMC invited Matthew Kandefer Plumbing, Inc. to the Site to evaluate the broken ultrasonic flowmeter and to quote a replacement. Throughout the remainder of the year, UMC had attempted to ascertain pricing and manufacturer information from the plumber prior to installation of a new flowmeter. UMC tried on multiple occasions to contact the company directly, but was met with difficulties and never received the requested information. UMC plans seek additional bids for the installation of a new flowmeter in early 2022.

It should be noted that the flowmeter's operational status does not interfere with the operation of the dewatering system. In order to comply with the reporting requirements outlined in the current

Buffalo Sewer Authority (BSA) discharge permit issued for the Site, UMC has submitted discharge estimates based on the telemetry system notifications. To date, the BSA has found these estimates satisfactory.

The dewatering system is currently operating without issue.

6 CONCLUSION

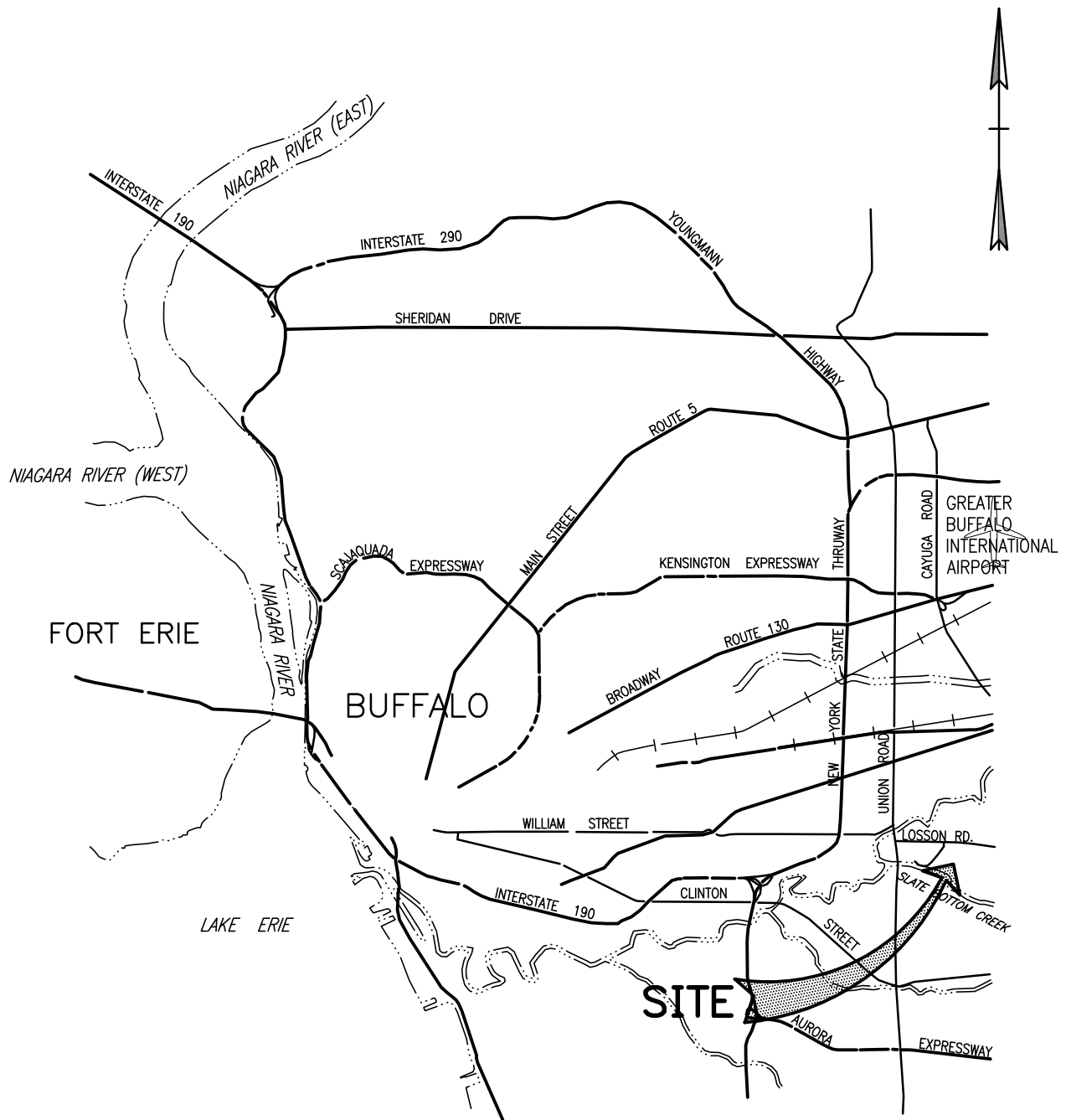
The groundwater quality within the exterior wells and the groundwater elevation measurements during the 2021 annual monitoring event demonstrate that remedial activities at the Union Road Site are successful. The groundwater quality outside the landfill closure is better than groundwater quality in the interior of the closure.


No TPH, SVOCs, lead, or arsenic were detected in any of the groundwater samples collected during this year's annual sampling event. No VOCs were detected with the exception of acetone which was detected in groundwater samples collected from MW-10D (13 µg/L) which was below the NYSDEC groundwater standard of 50 µg/L. Acetone is a common laboratory artifact and has not been observed consistently in groundwater samples collected on Site.

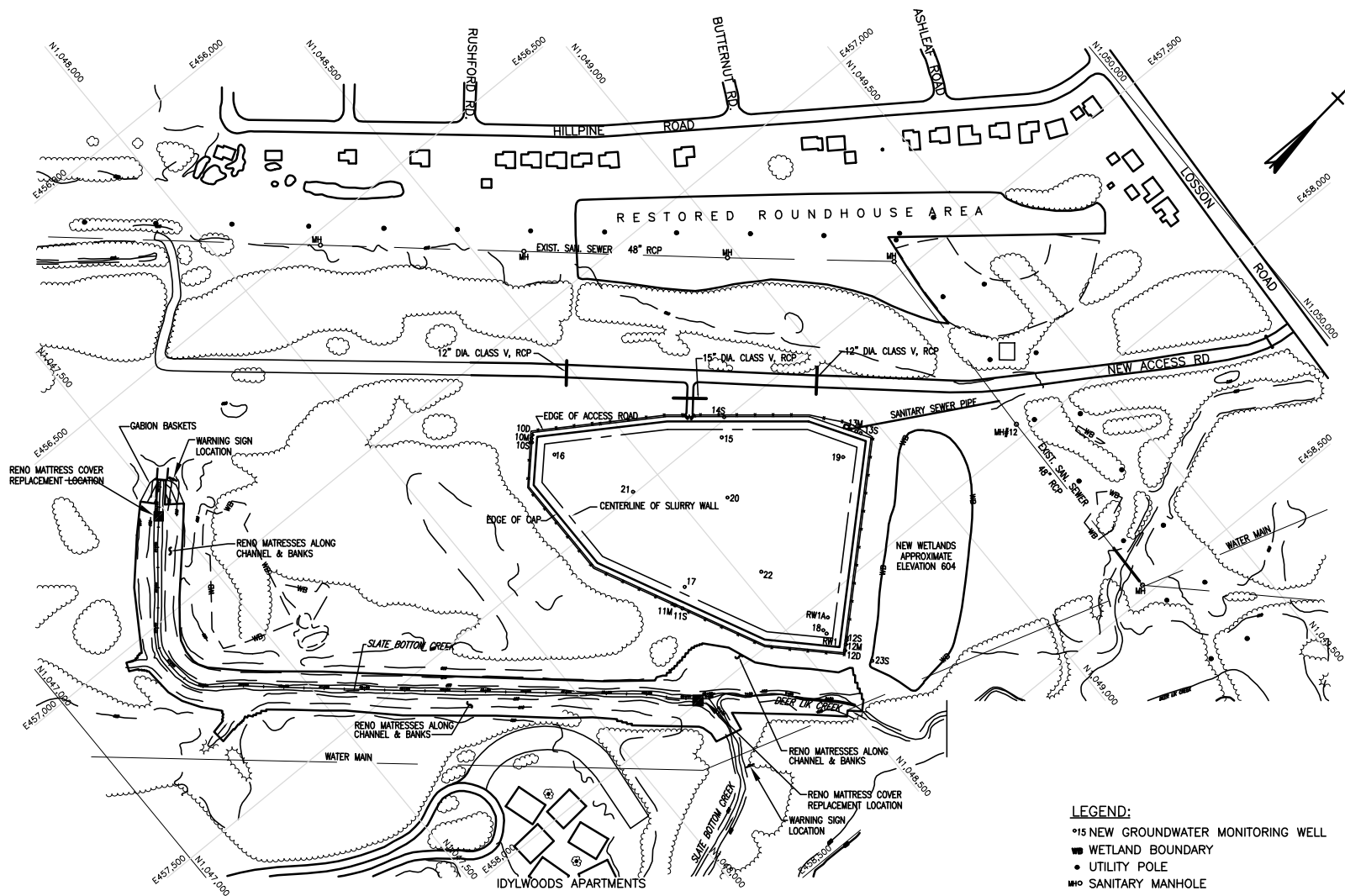
The groundwater elevation measurements indicate that an inward gradient of shallow groundwater flow has been established across the slurry wall. This inward gradient in combination with the groundwater quality outside the closure demonstrates that the contamination is contained within the slurry wall.

UMC will continue to monitor and evaluate the groundwater surrounding the landfill in accordance with the GMP.

FIGURES



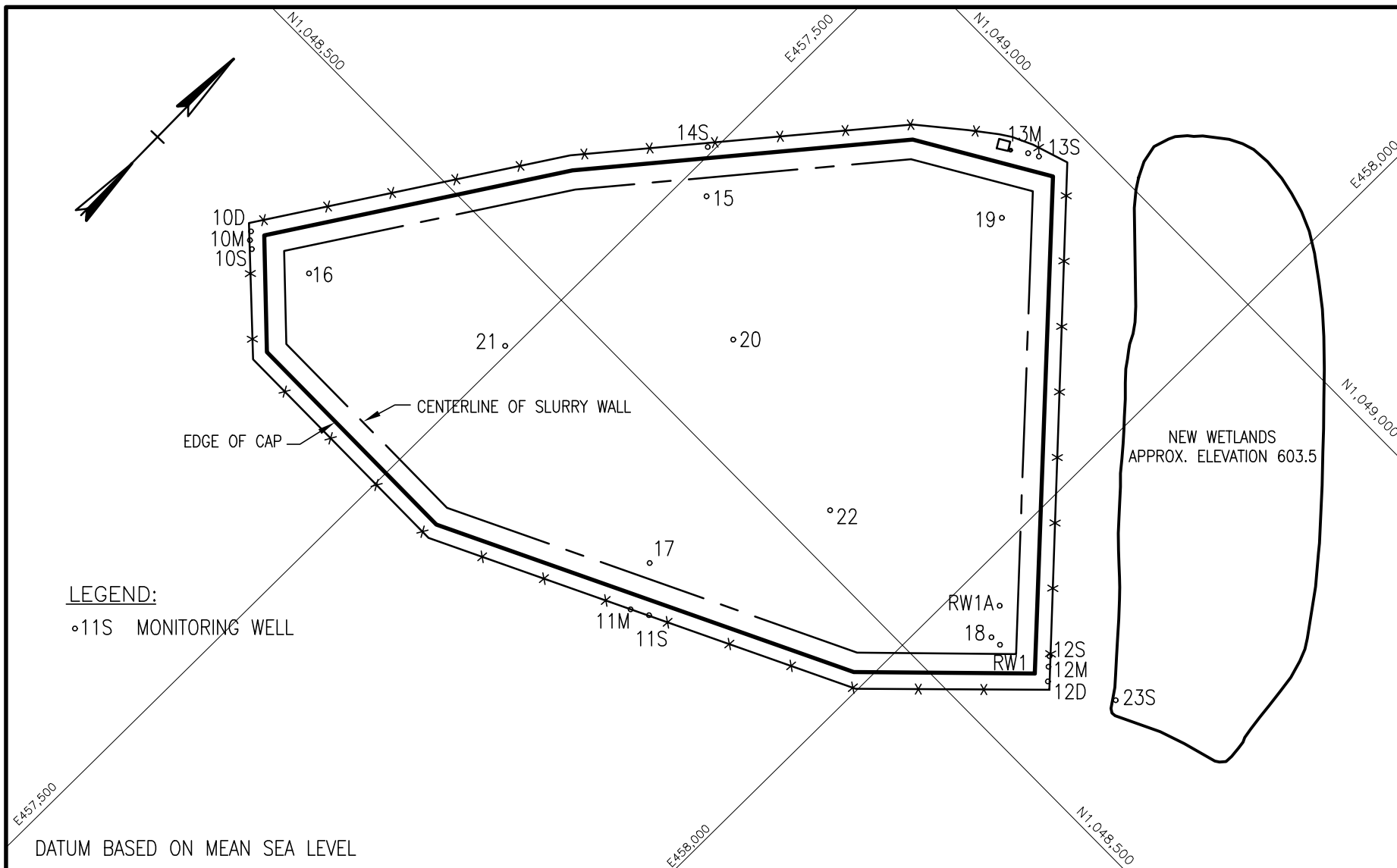
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NO.	DATE				2011-200
		DRAWING	LOCATION MAP		FILENAME: UNION_RD SCALE: 1" ~ 2mi DATE: 1/16/02 BY: AD CK: FIGURE # 1-1



LEGEND:

- 15 NEW GROUNDWATER MONITORING WELL
- ▨ WETLAND BOUNDARY
- UTILITY POLE
- MHO SANITARY MANHOLE

REVISIONS		PROJECT	UNION ROAD SITE TOWN OF CHEEKTOWAGA, NEW YORK	 <div> Unicorn Management Consultants, LLC 52 FEDERAL ROAD DANBURY, CT (203) 205-9000 </div>	PROJECT # 2011-200 FILENAME: 2045100B SCALE: 1"=400' DATE: 8/23/06 BY: AD CK:
NO.	DATE				
		DRAWING	SITE LOCATION		FIGURE # 1-2



REVISIONS		PROJECT	UNION ROAD SITE TOWN OF CHEEKTOWAGA, NEW YORK	<div><div>Unicorn Management Consultants, LLC</div><div>52 FEDERAL ROAD DANBURY, CT (203) 205-9000</div></div>	PROJECT #
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					SCALE: 1" = 150'
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					CK:
					FIGURE # 2-1

Figure 3-1a
MW-10S: Total SVOCs

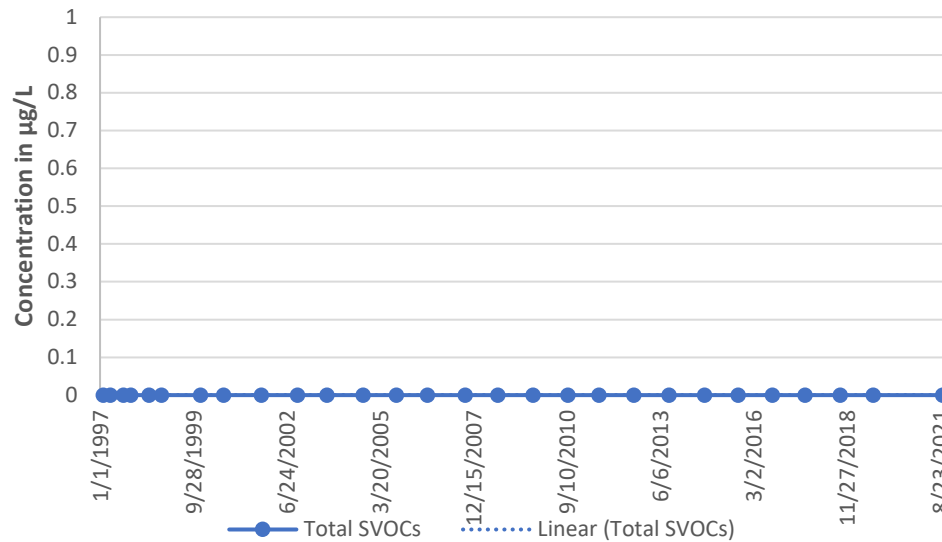


Figure 3-1b
MW-10S: Total VOCs

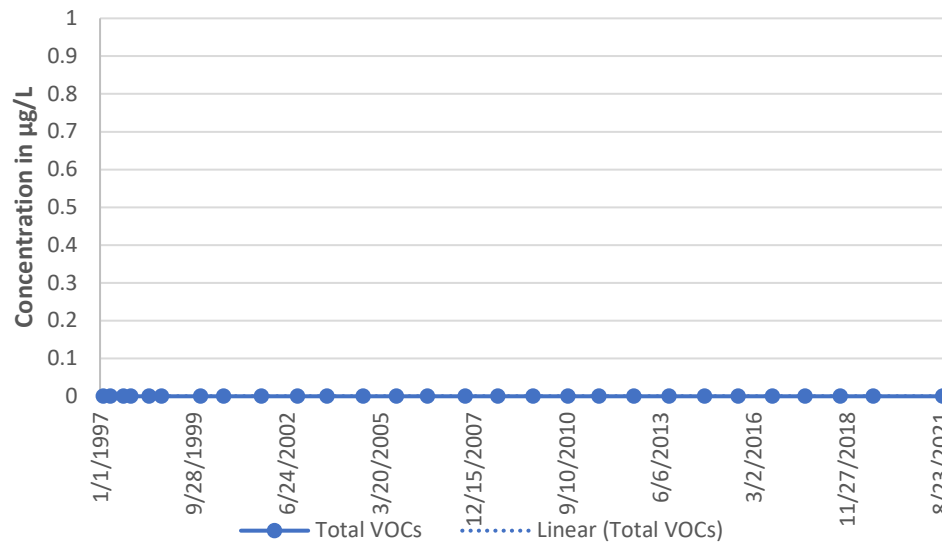


Figure 3-1c
MW-10S: TPH

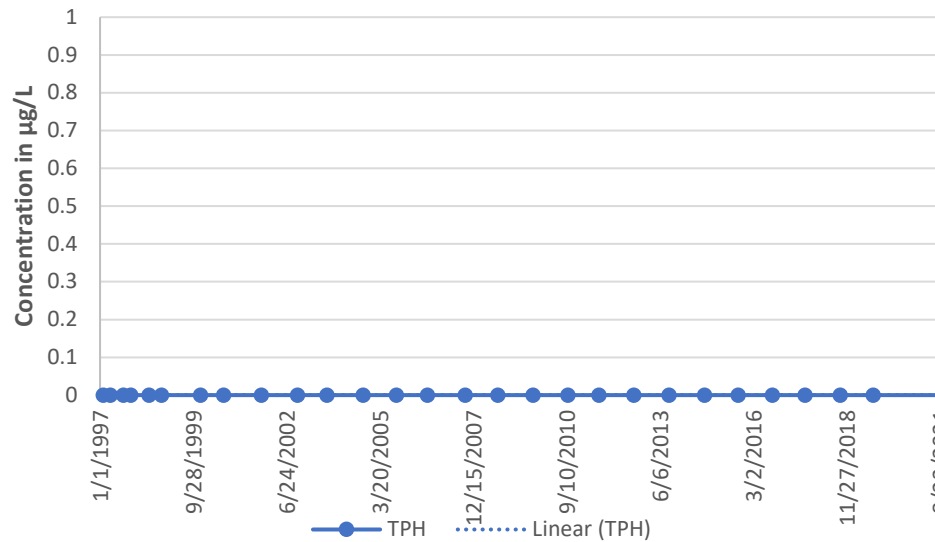
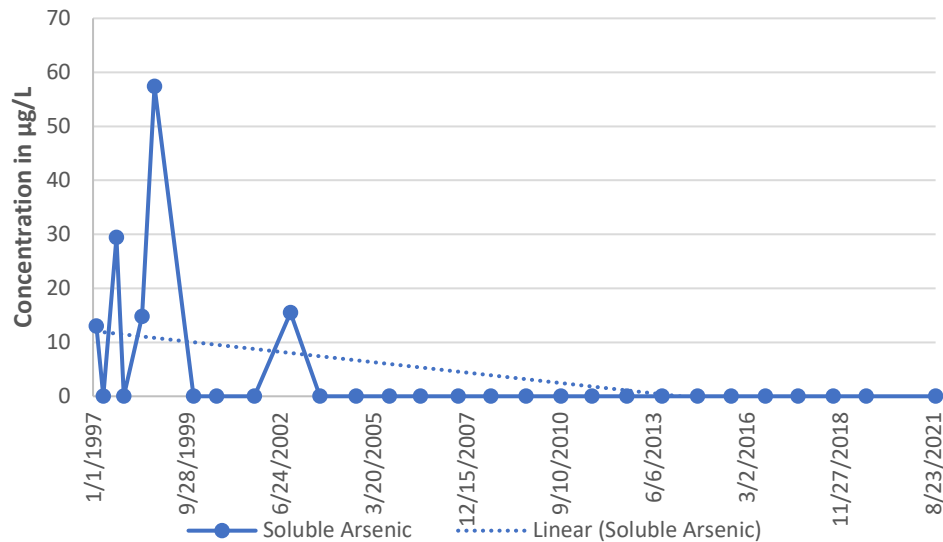


Figure 3-1d
MW-10S: Soluble Arsenic



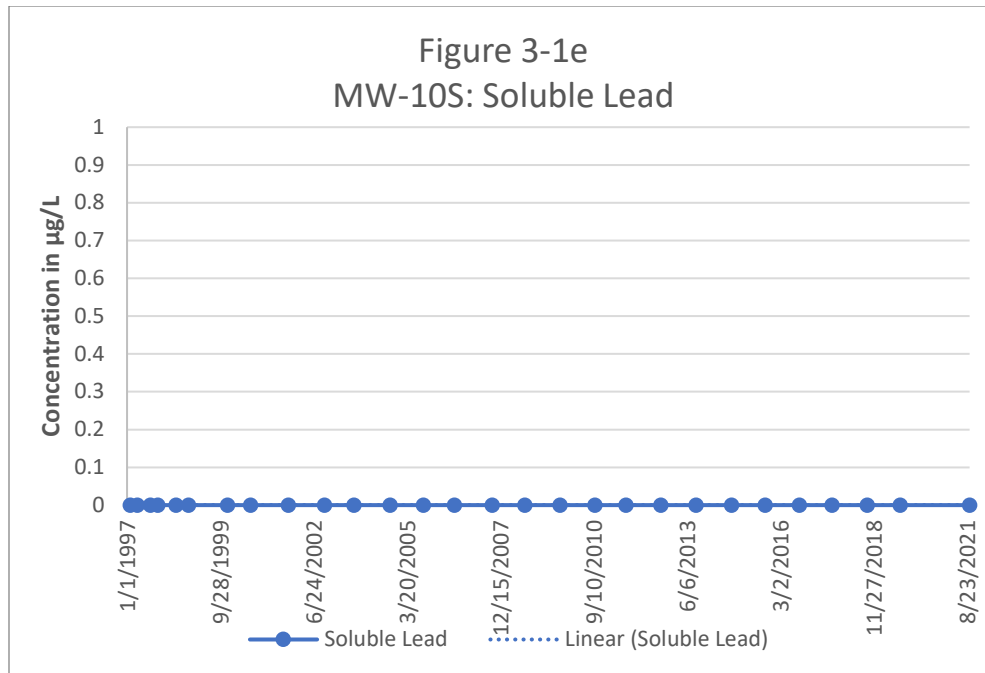


Figure 3-2a
MW-10M: Total SVOCs

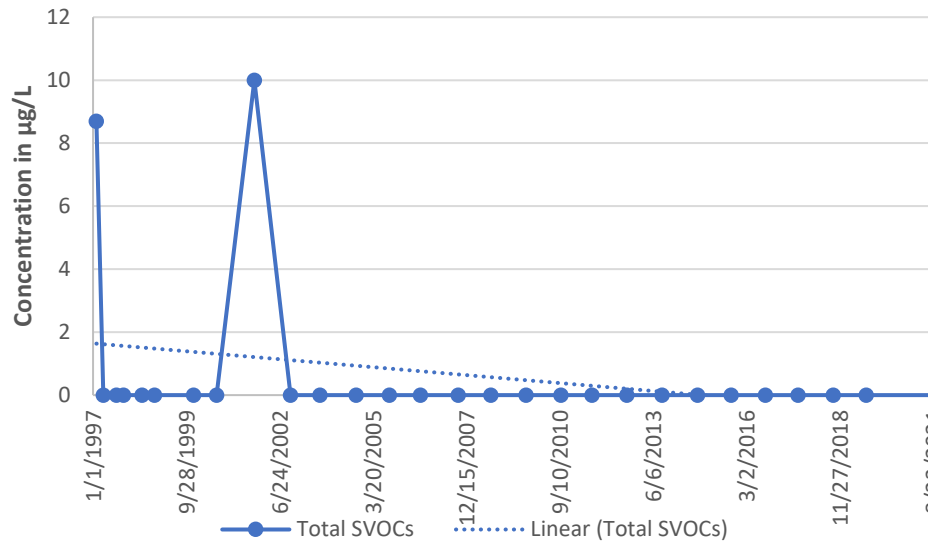
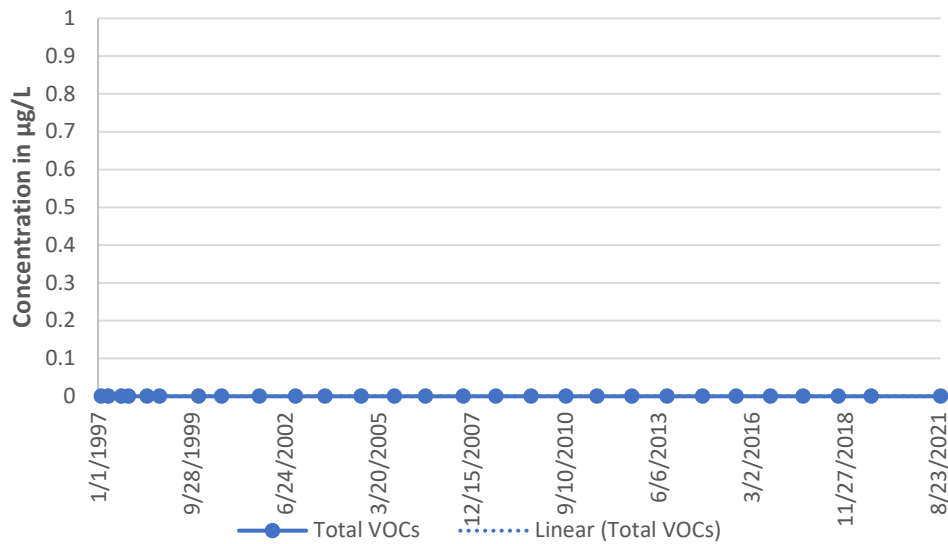
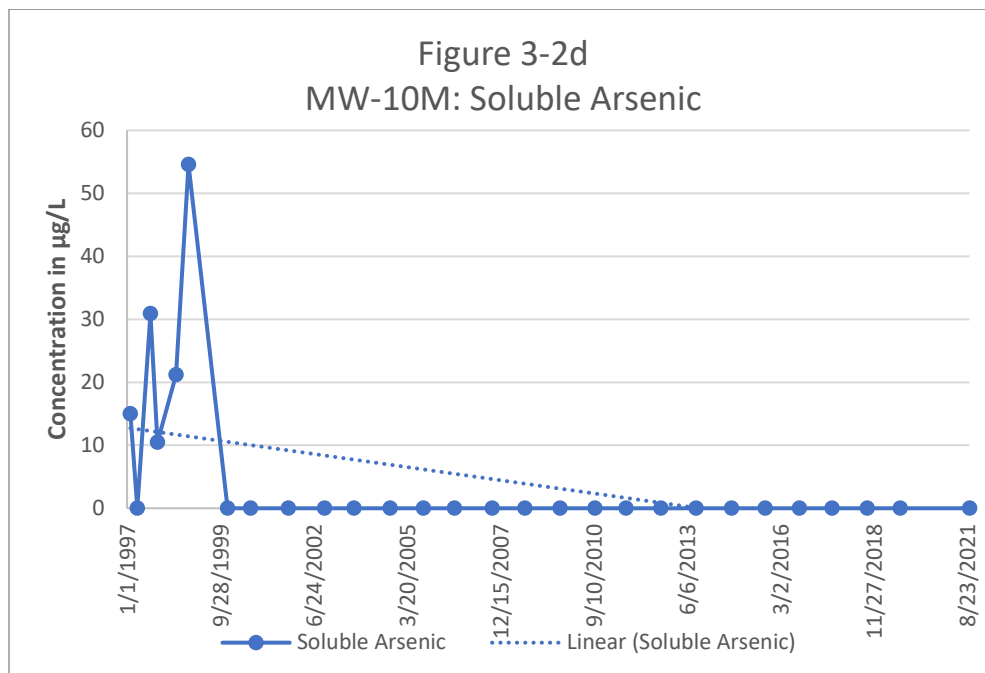
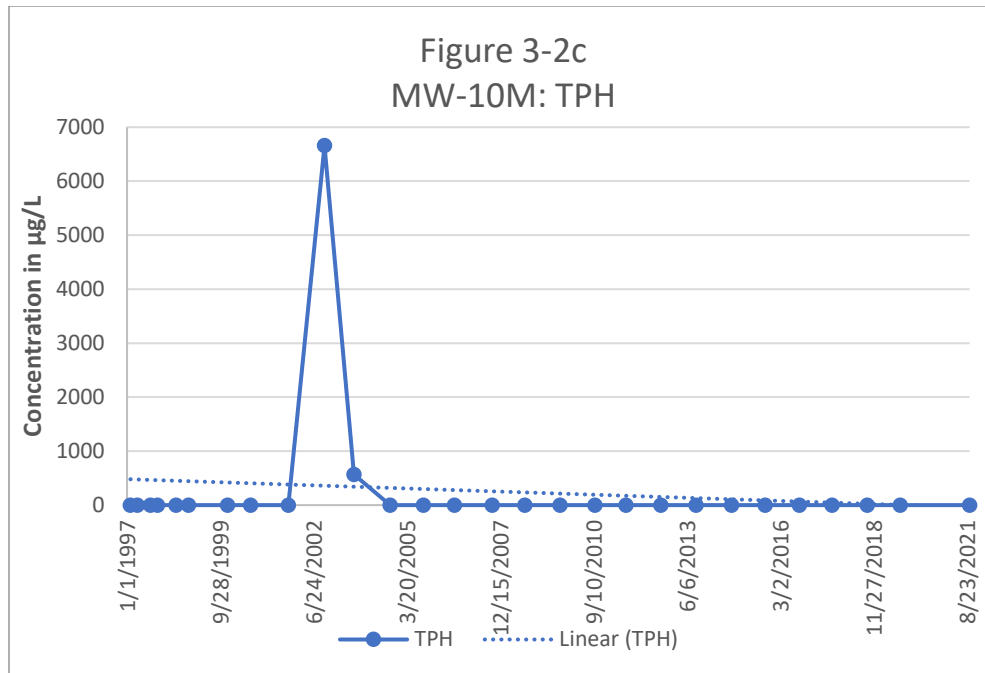


Figure 3-2b
MW-10M: Total VOCs





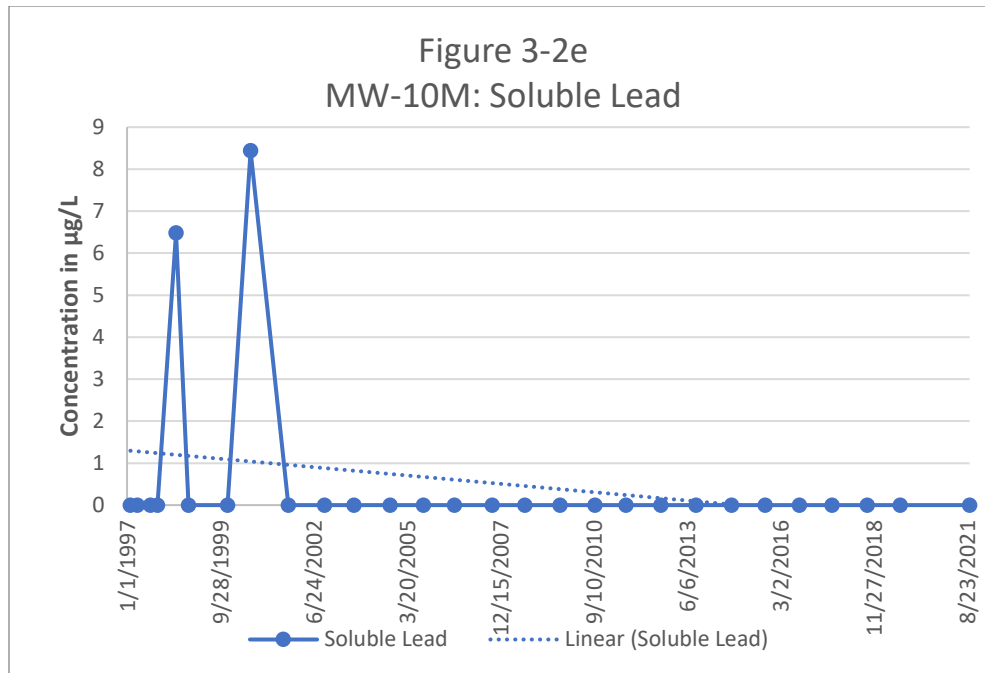


Figure 3-3a
MW-10D: Total SVOCs

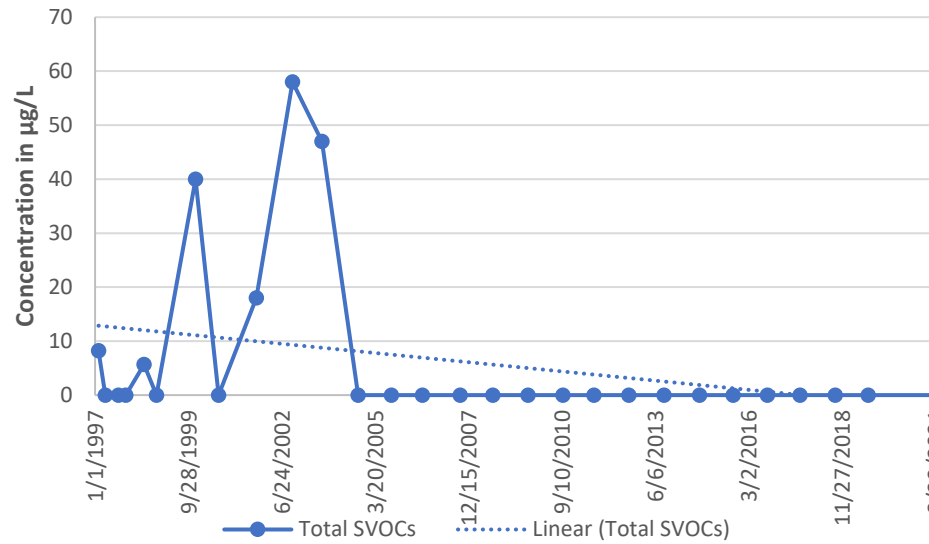
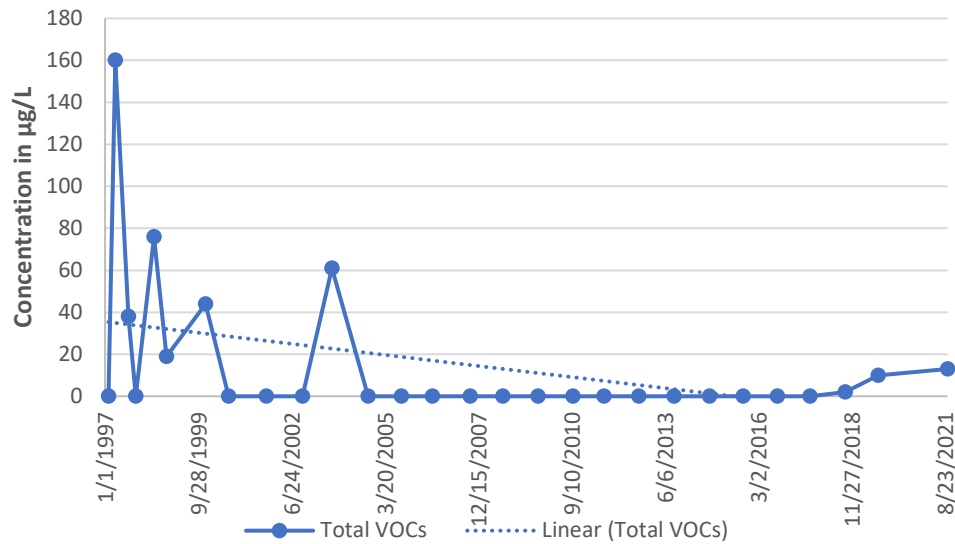
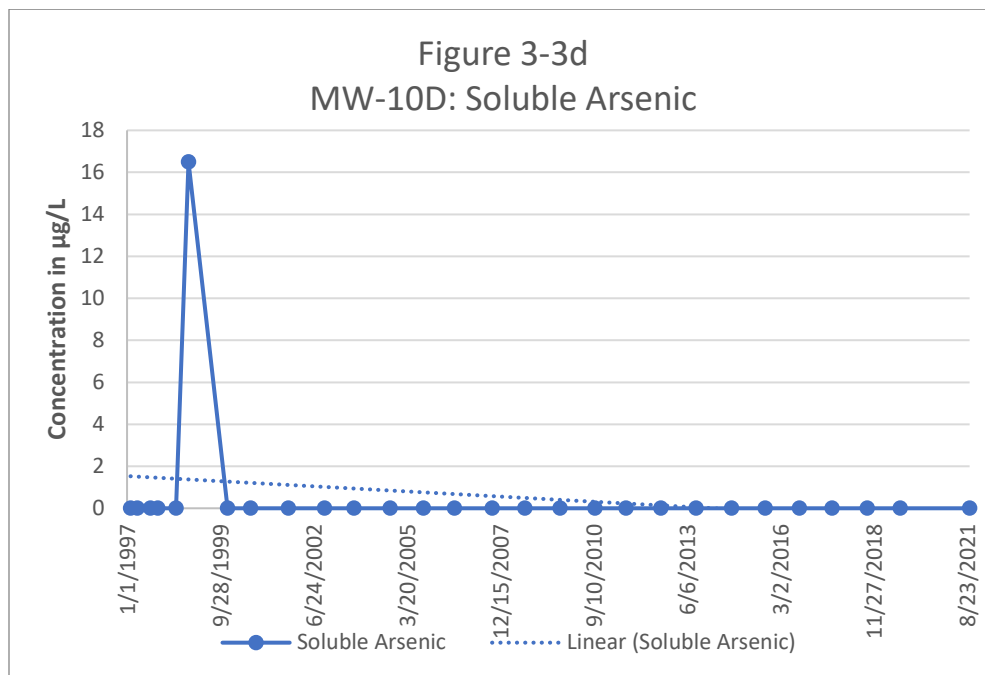
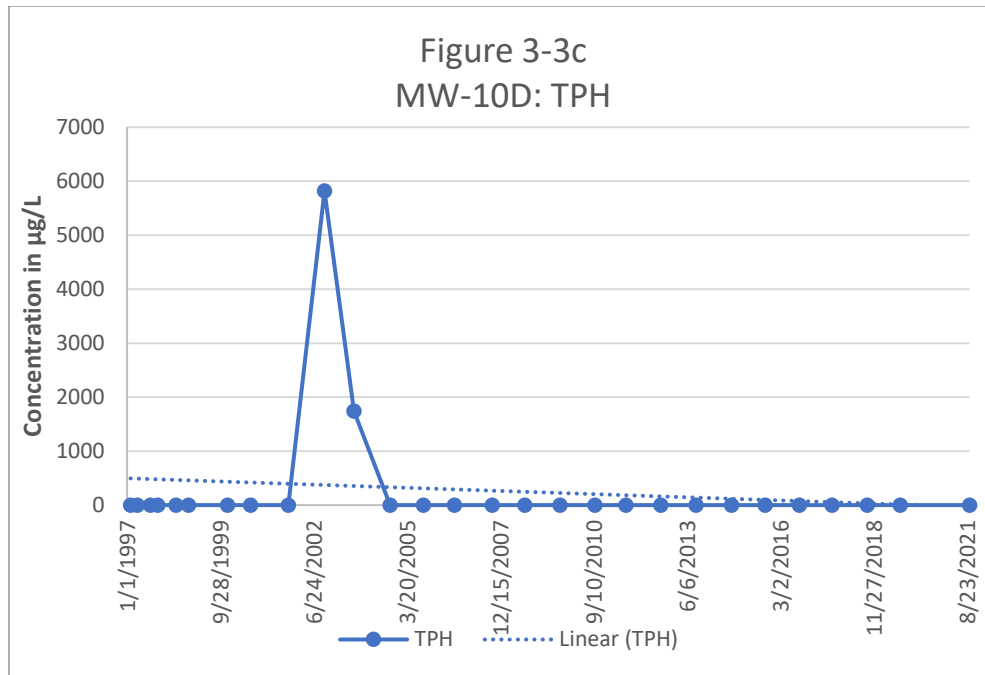


Figure 3-3b
MW-10D: Total VOCs





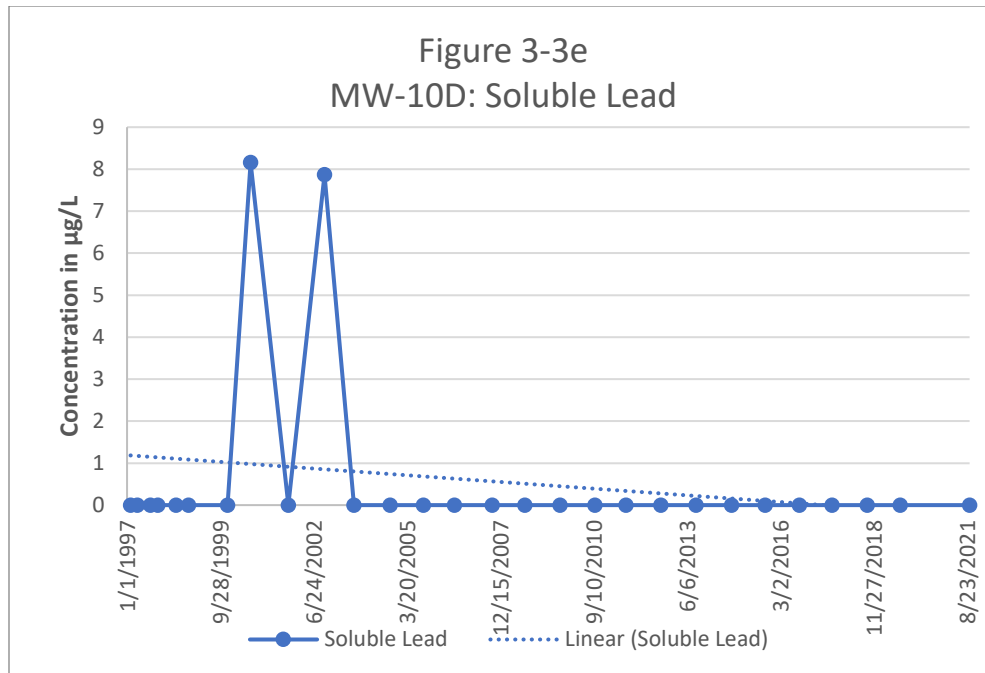


Figure 3-4a
MW-11S: Total SVOCs

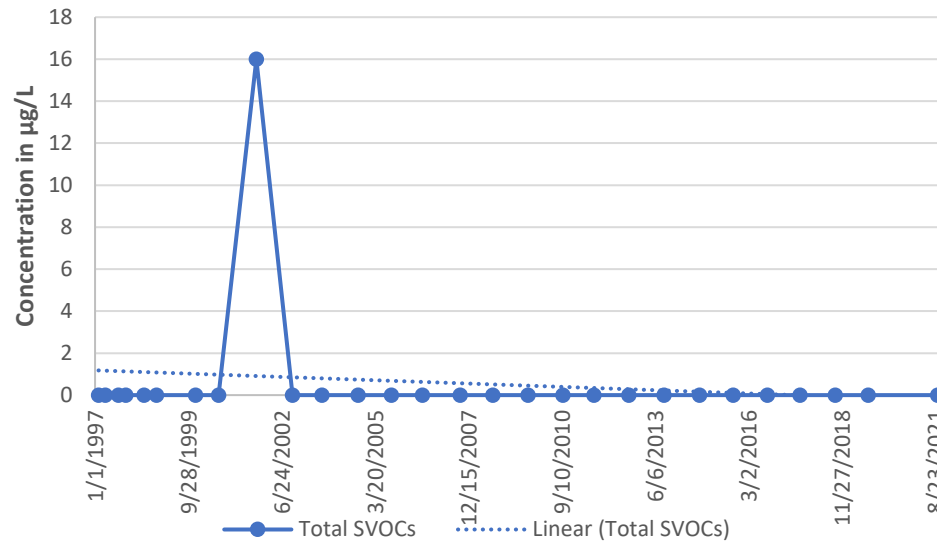


Figure 3-4b
MW-11S: Total VOCs

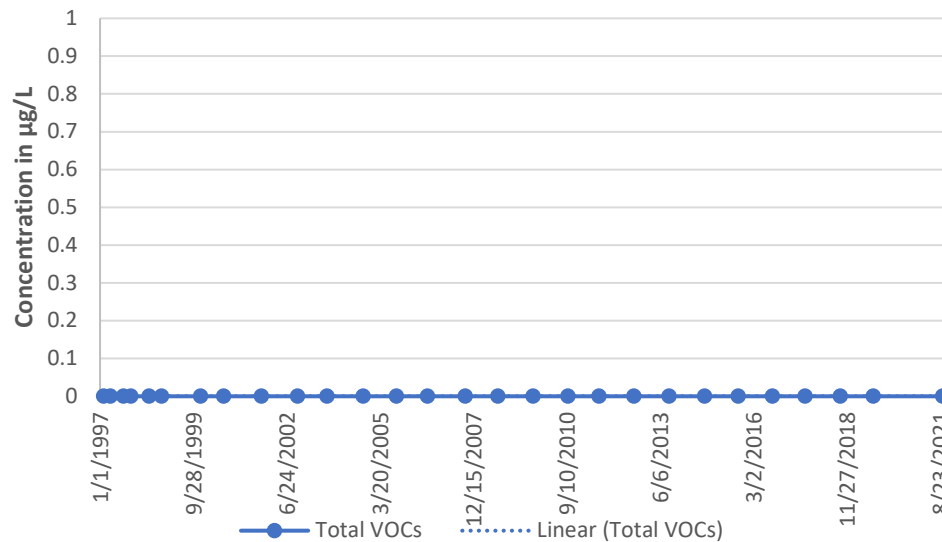


Figure 3-4c
MW-11S: TPH

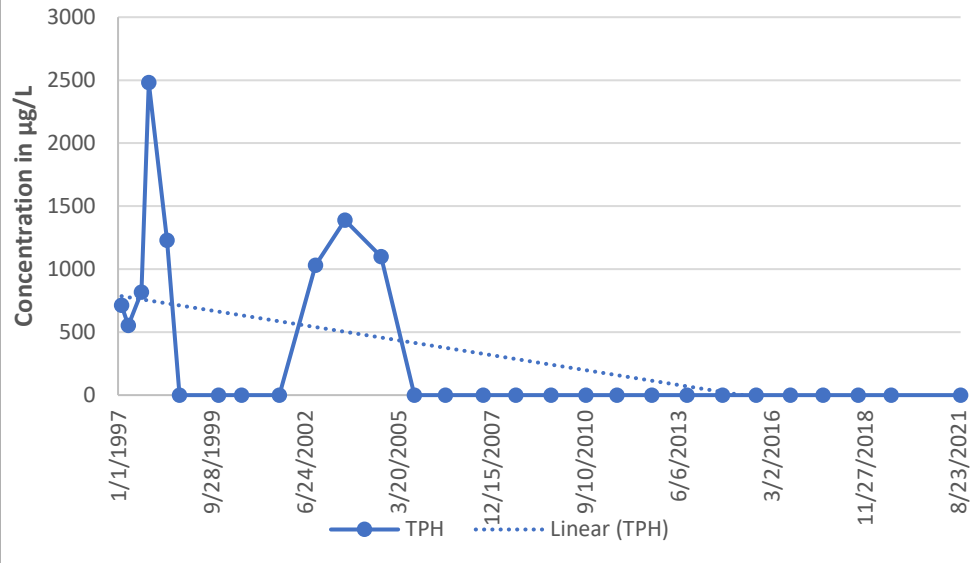


Figure 3-4d
MW-11S: Soluble Arsenic

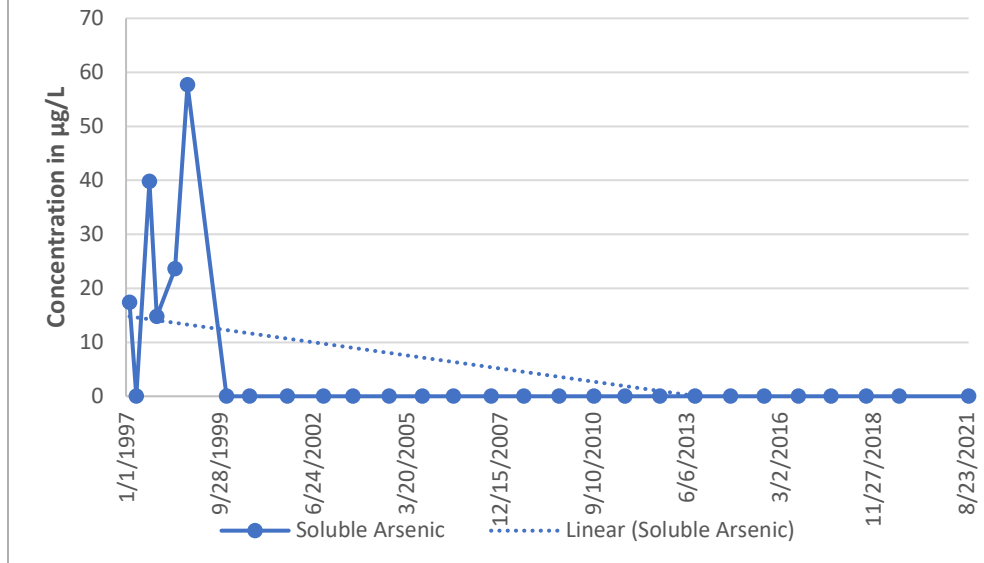


Figure 3-4e
MW-11S: Soluble Lead

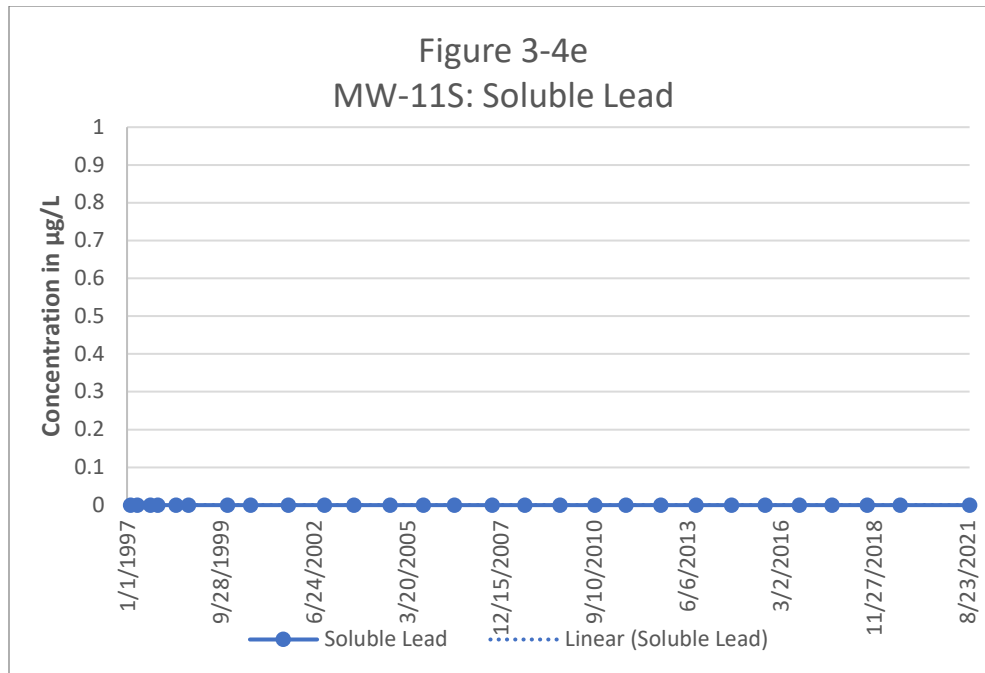


Figure 3-5a
MW-11M: Total SVOCs

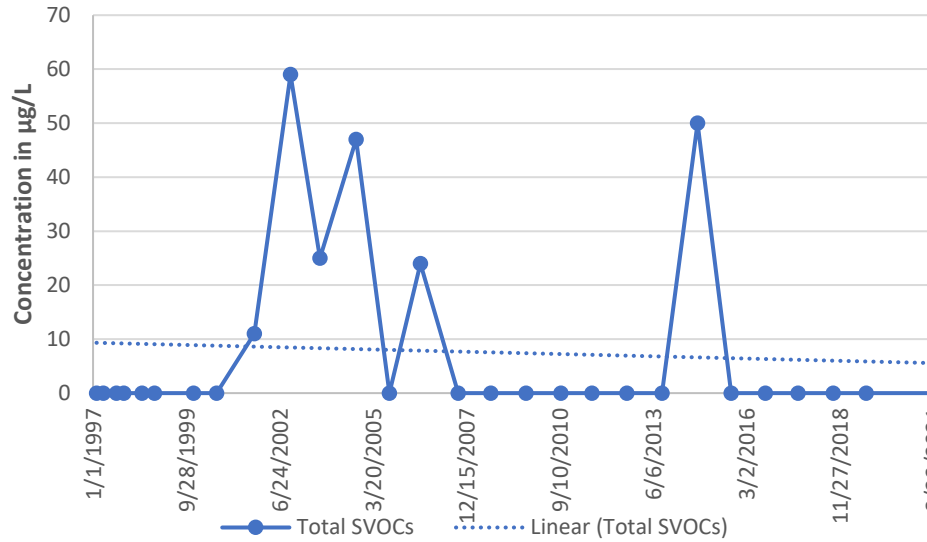


Figure 3-5b
MW-11M: Total VOCs

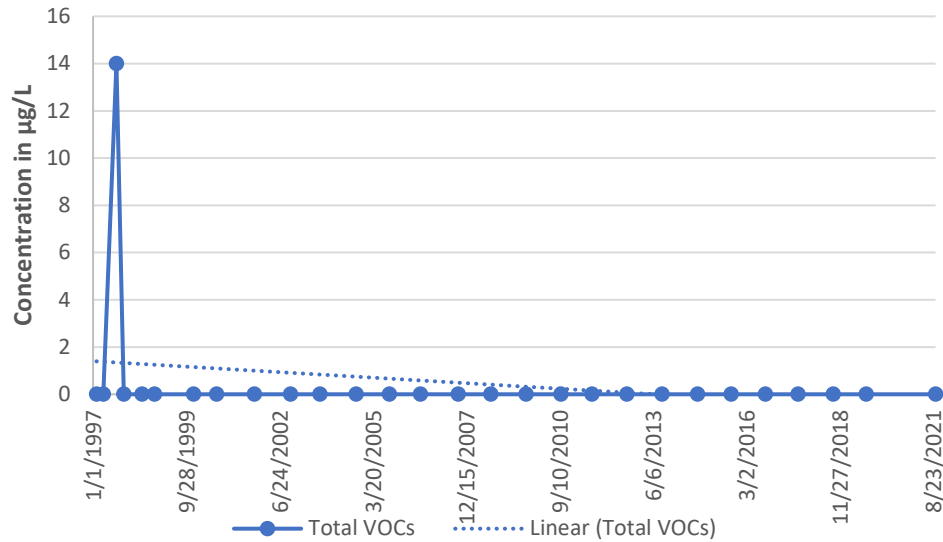


Figure 3-5c
MW-11M: TPH

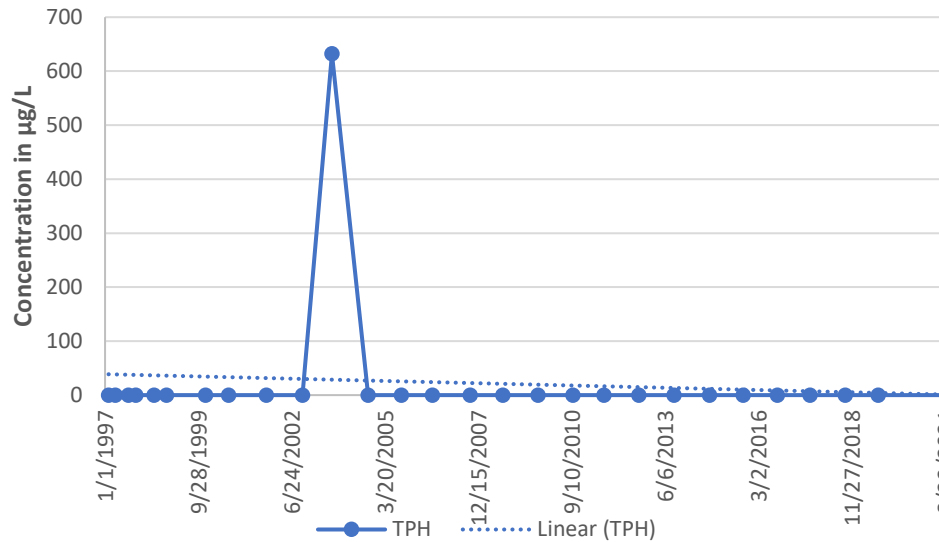
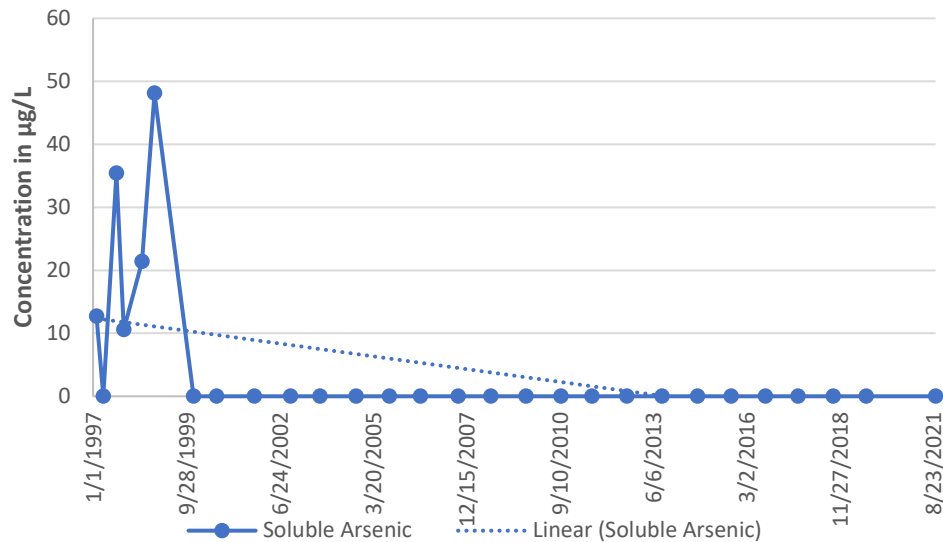


Figure 3-5d
MW-11M: Soluble Arsenic



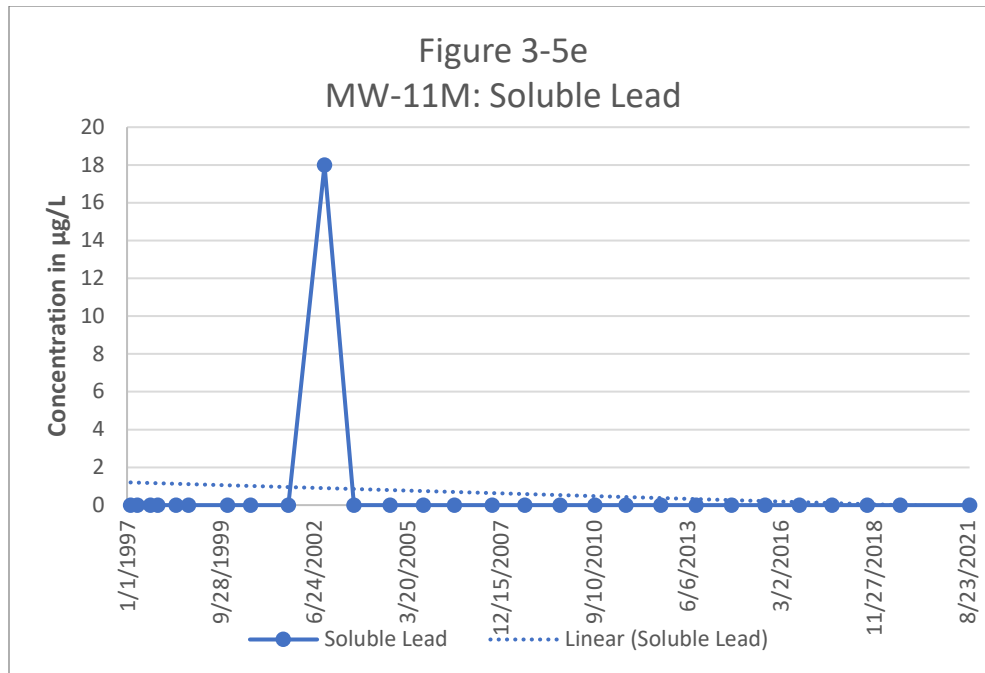


Figure 3-6a
MW-12S: Total SVOCs

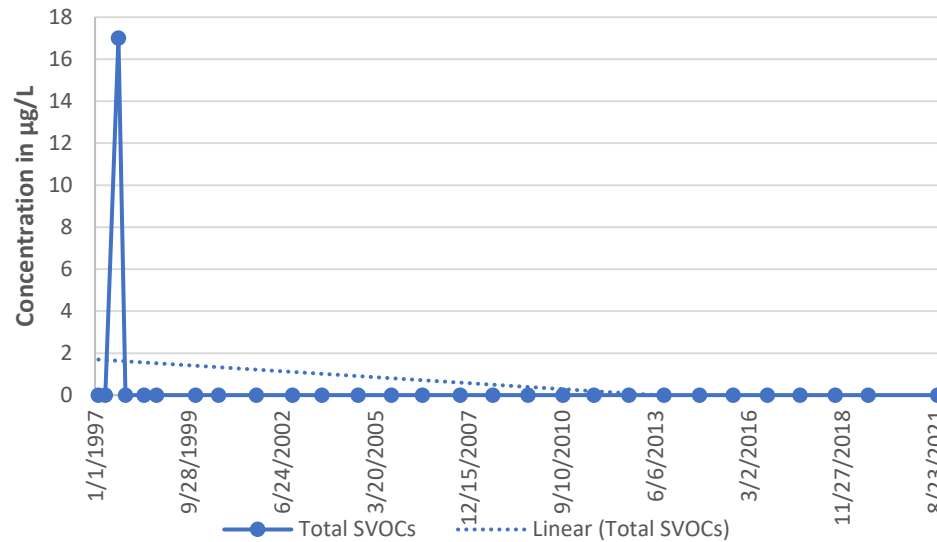


Figure 3-6b
MW-12S: Total VOCs

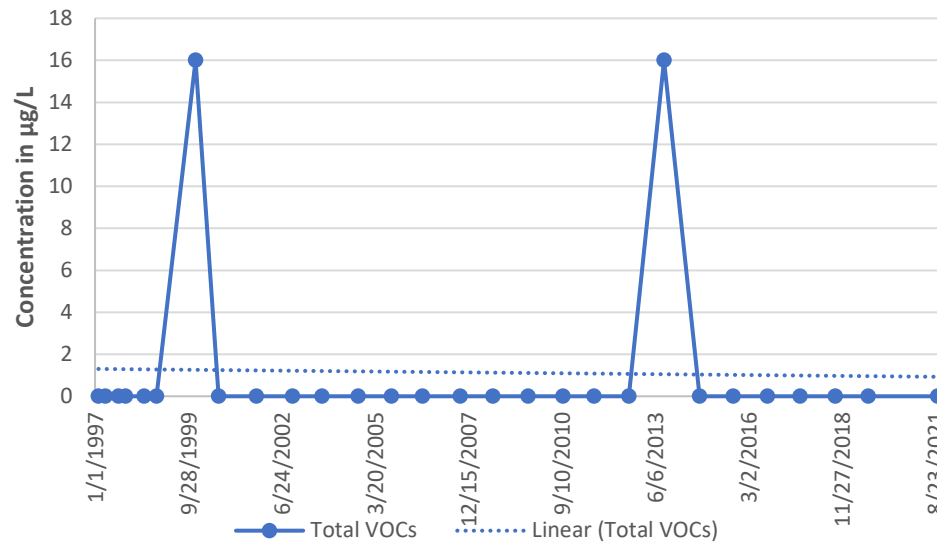


Figure 3-6c
MW-12S: TPH

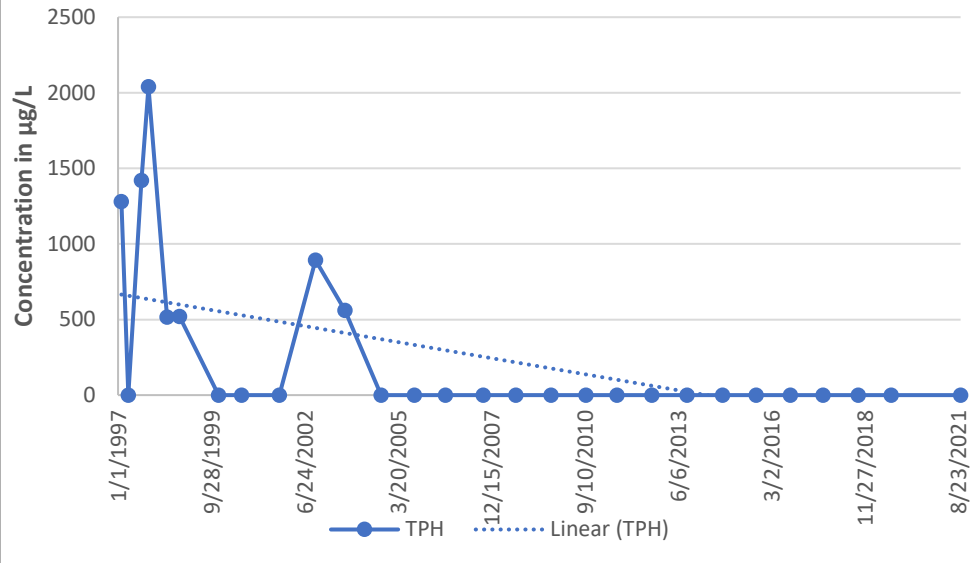


Figure 3-6d
MW-12S: Soluble Arsenic

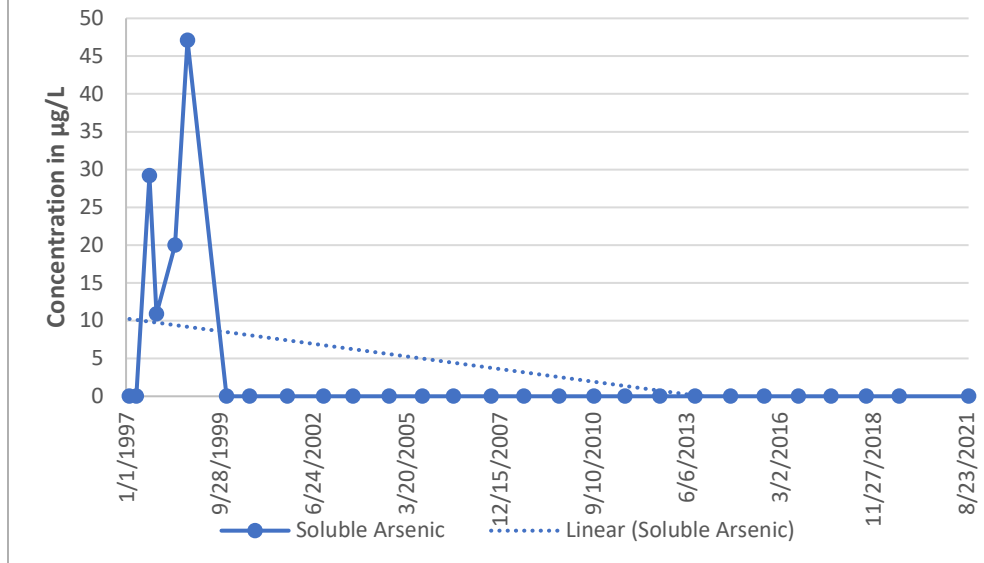


Figure 3-6e
MW-12S: Soluble Lead

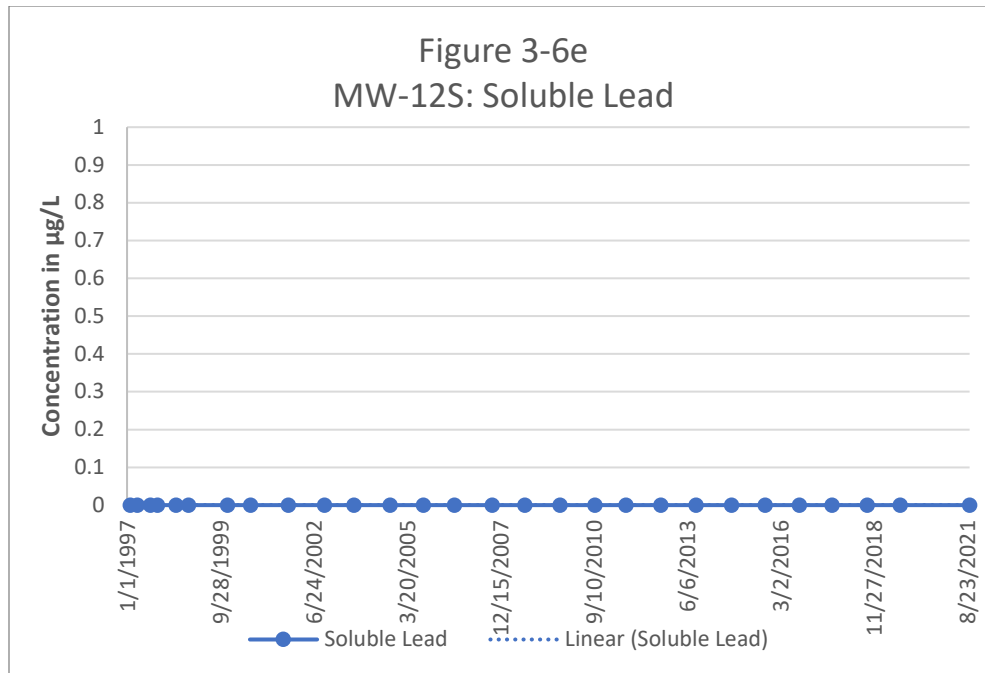


Figure 3-7a
MW-12M: Total SVOCs

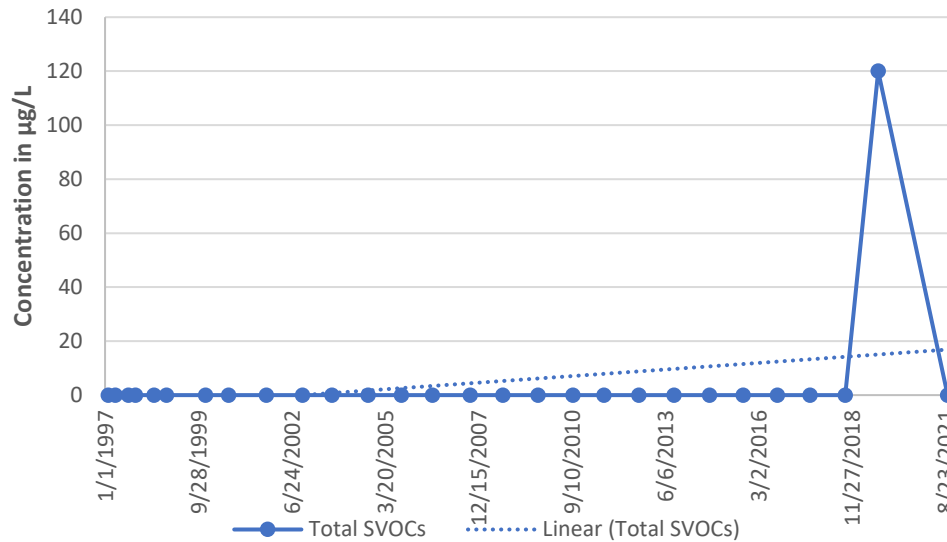
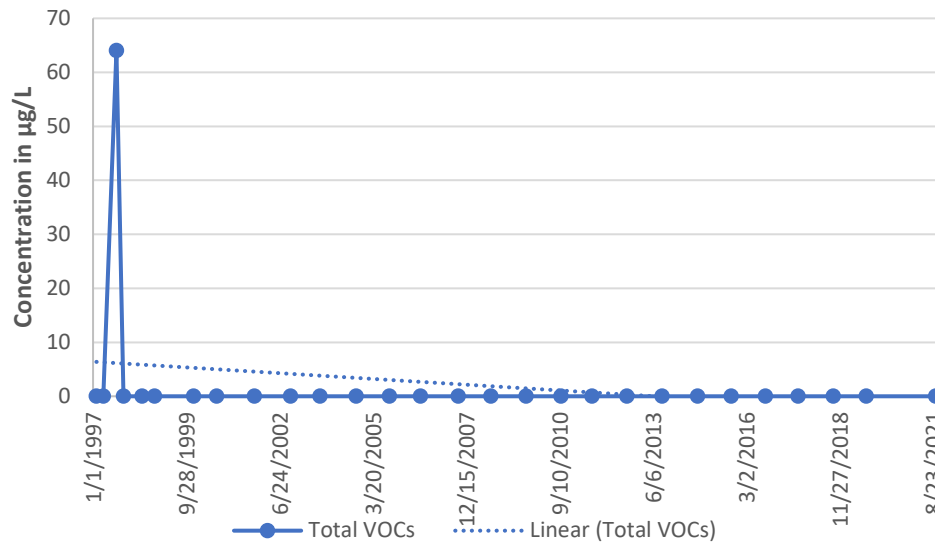
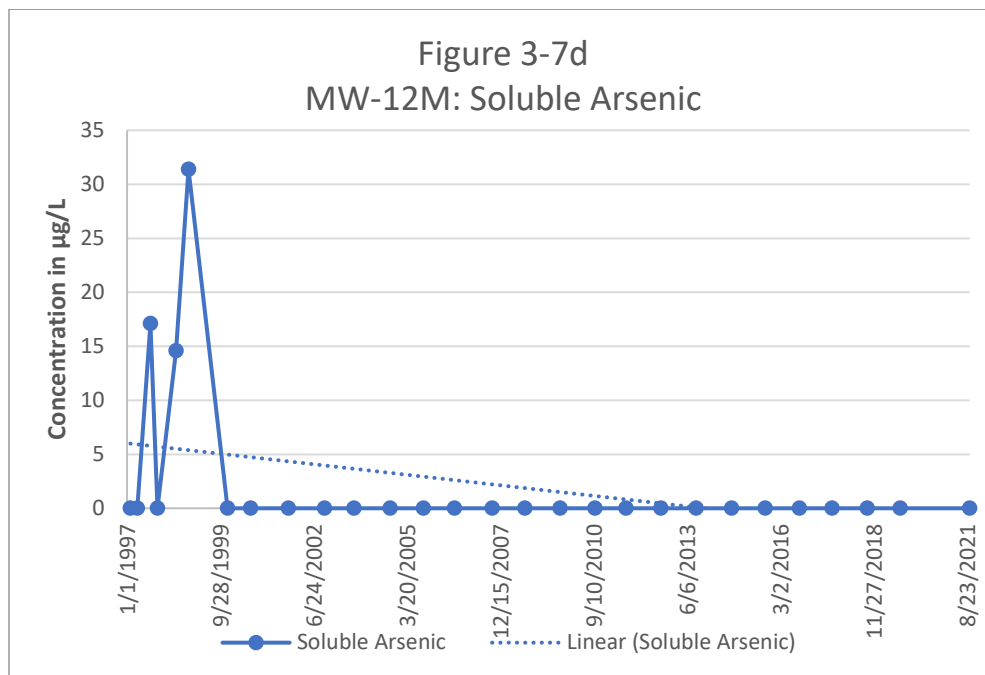
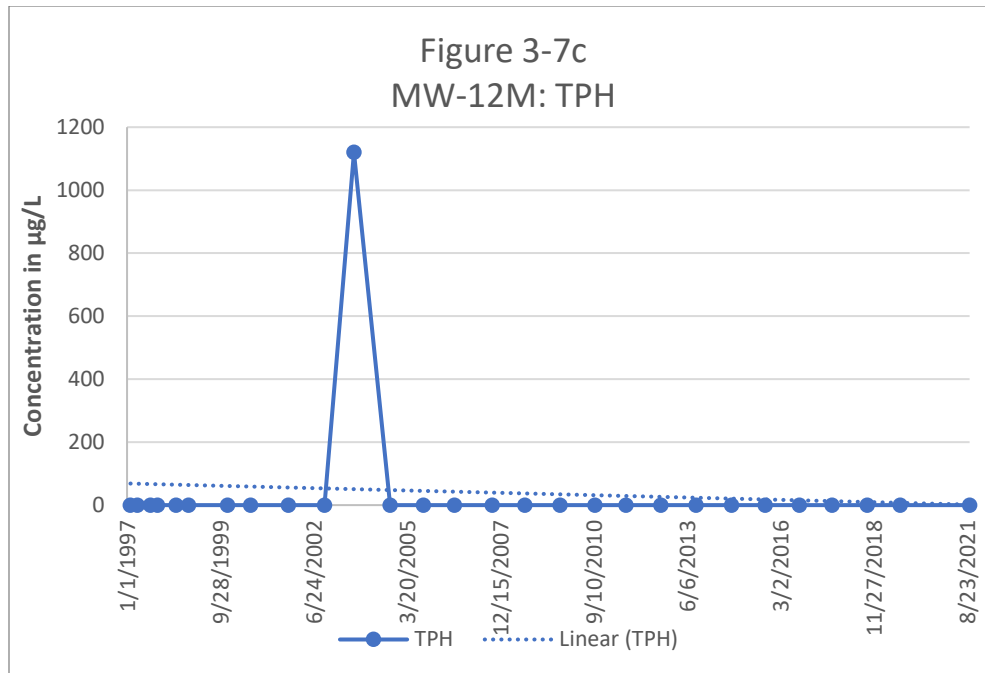
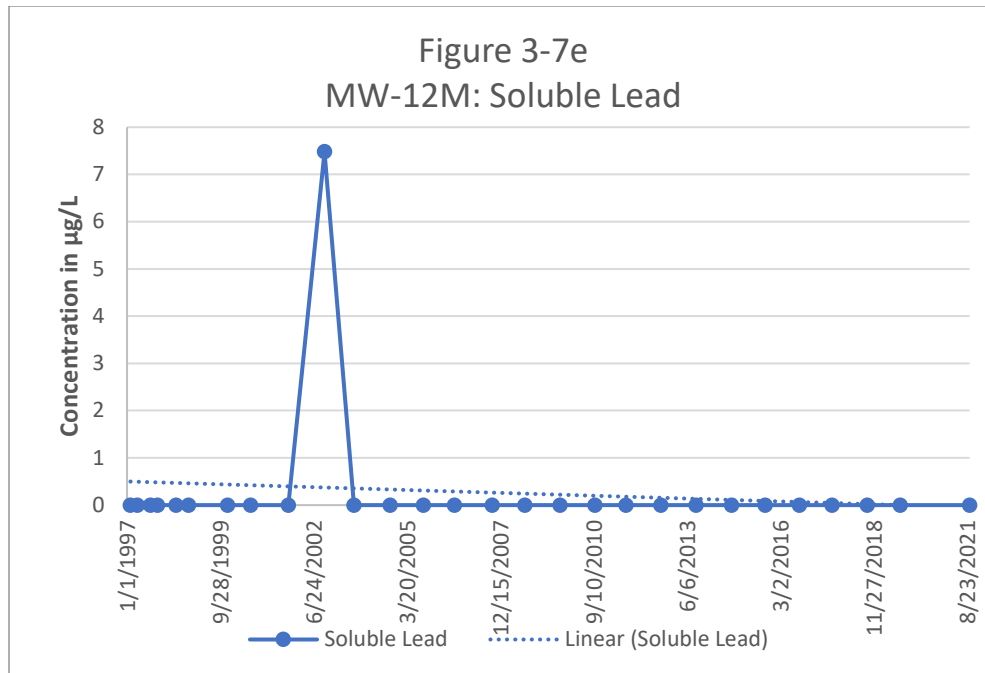
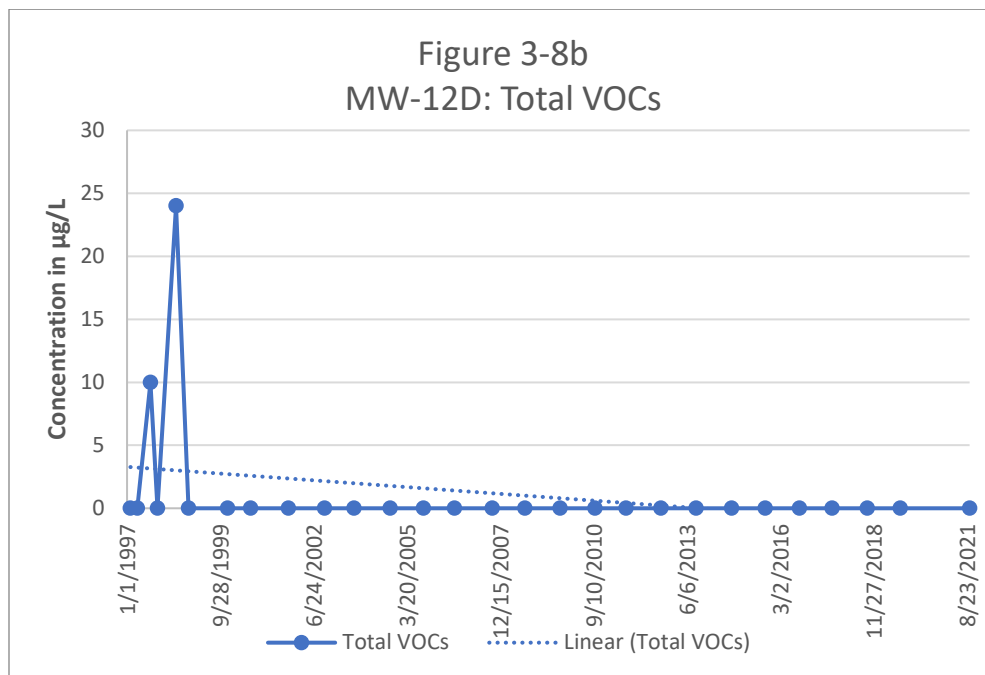
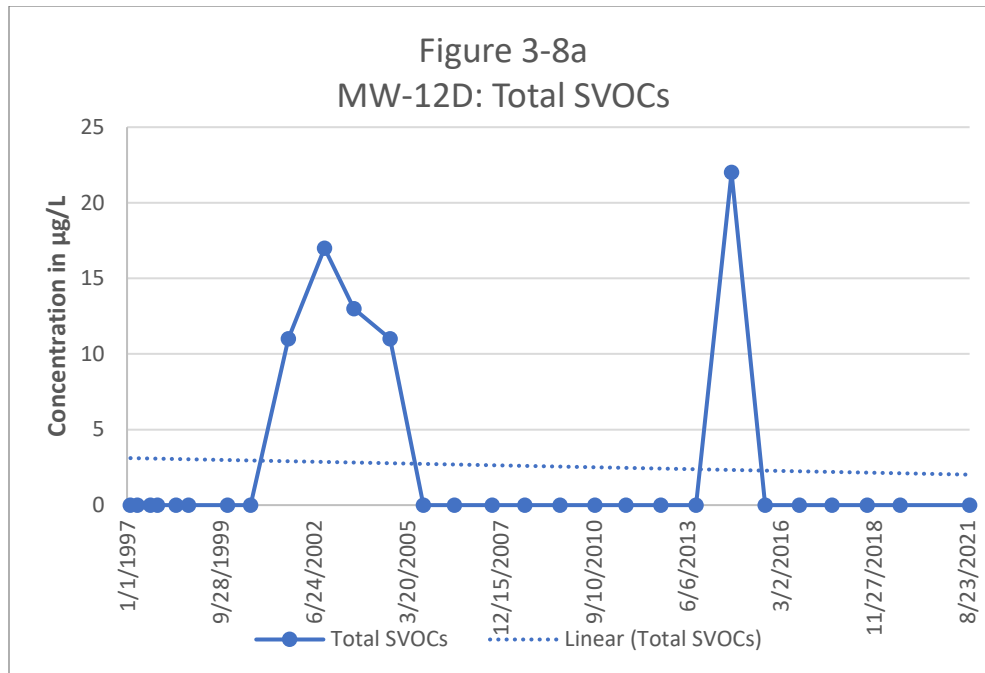


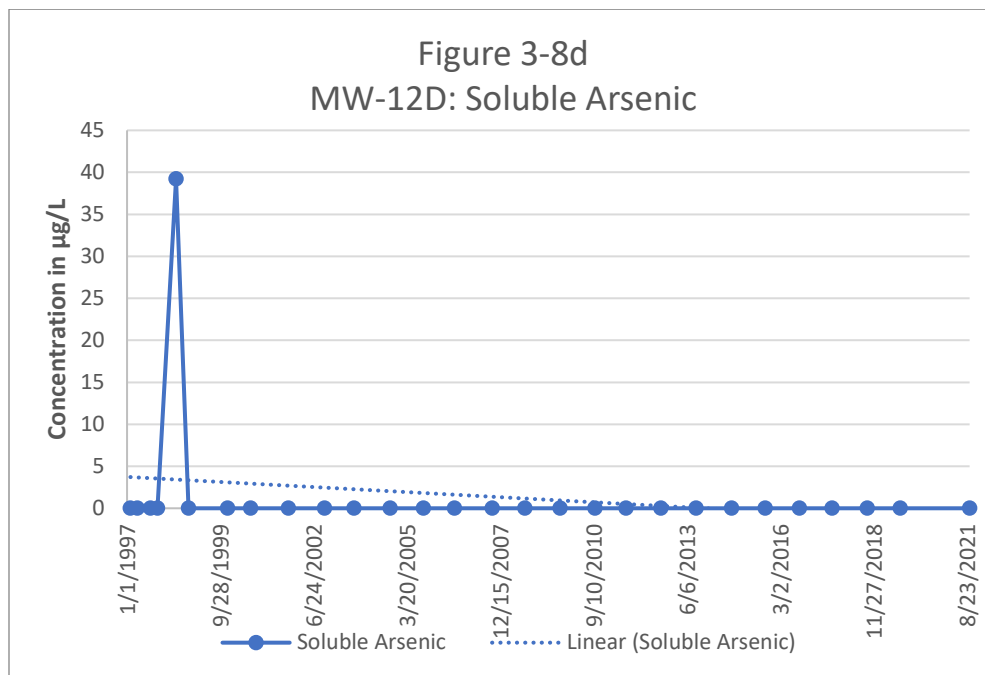
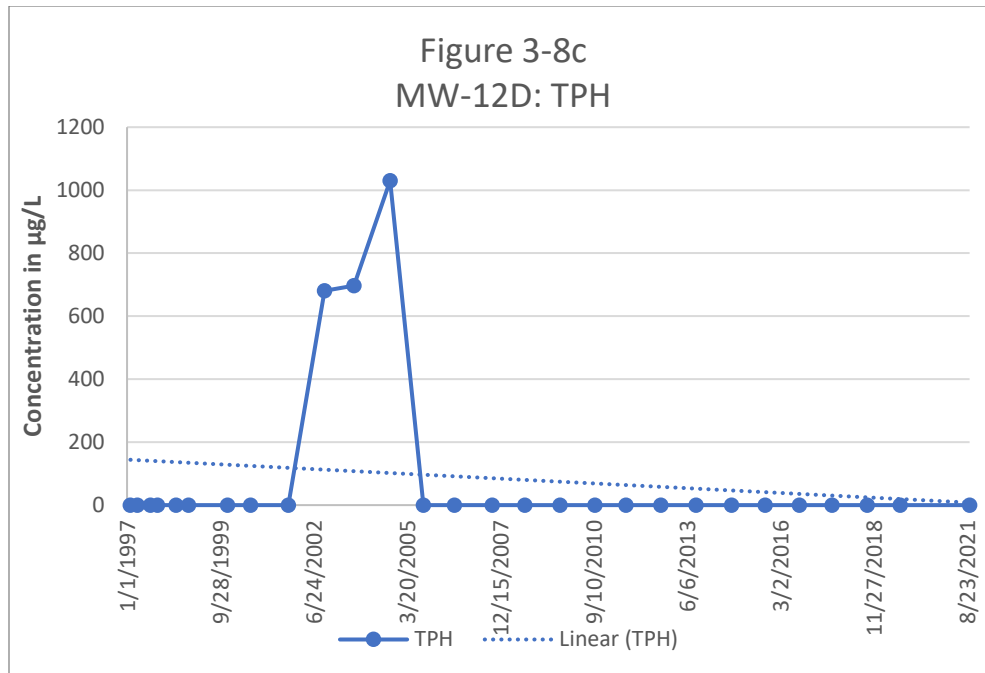
Figure 3-7b
MW-12M: Total VOCs











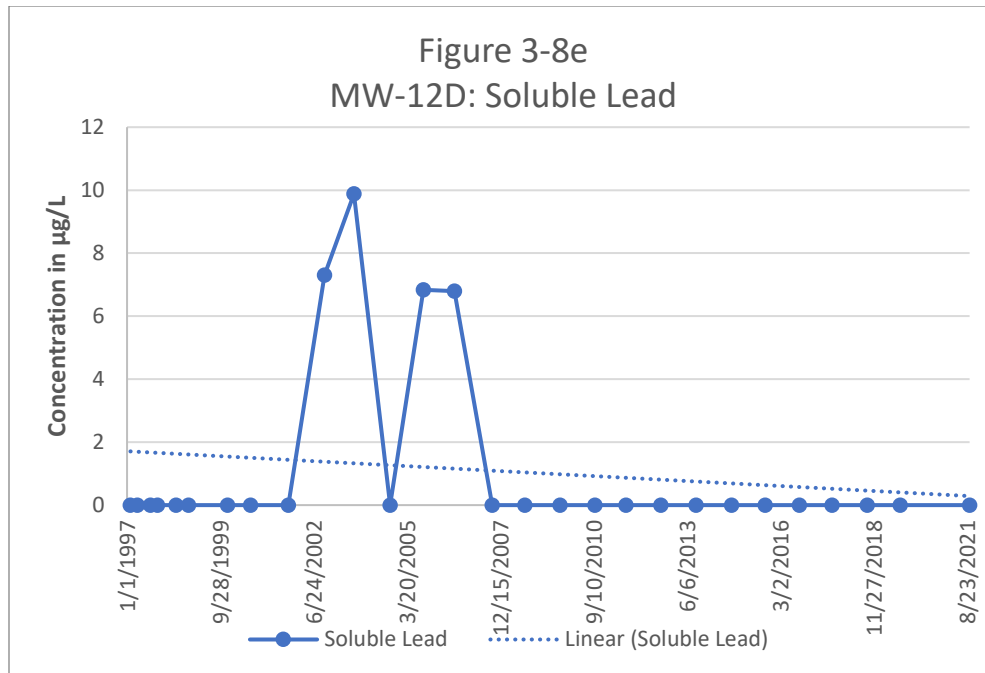


Figure 3-9a
MW-13S: Total SVOCs

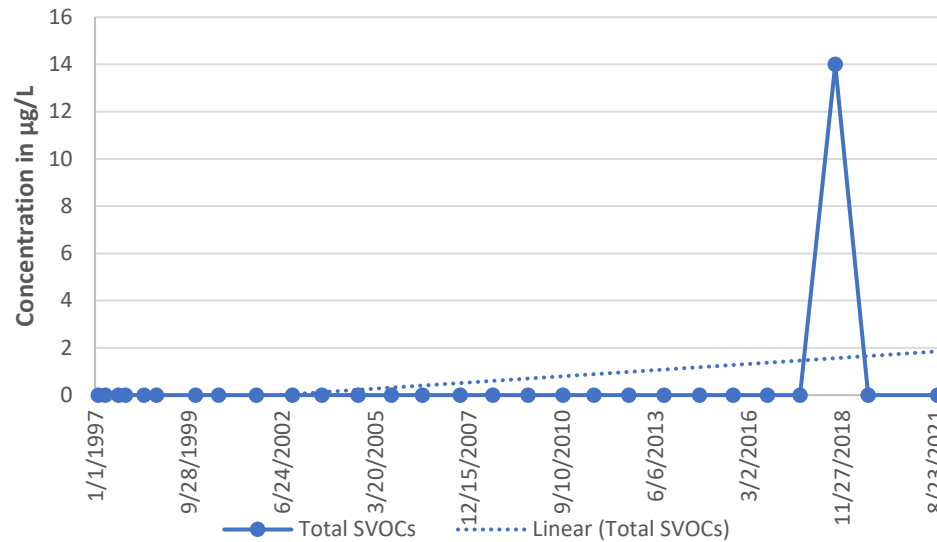


Figure 3-9b
MW-13S: Total VOCs

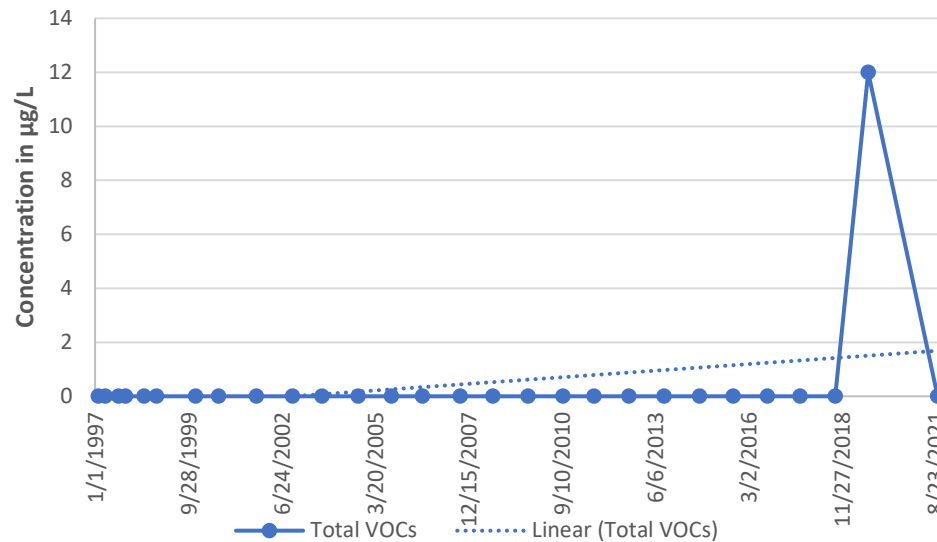


Figure 3-9c
MW-13S: TPH

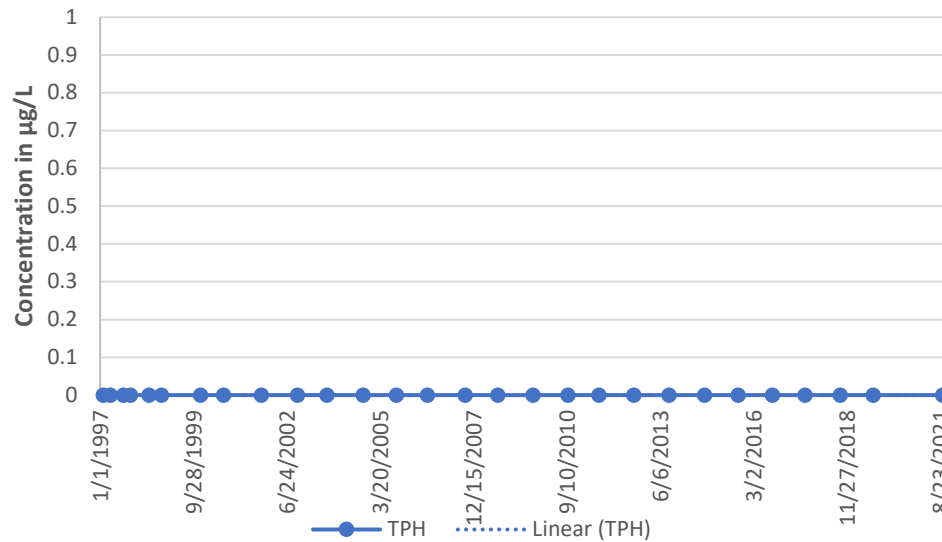


Figure 3-9d
MW-13S: Soluble Arsenic

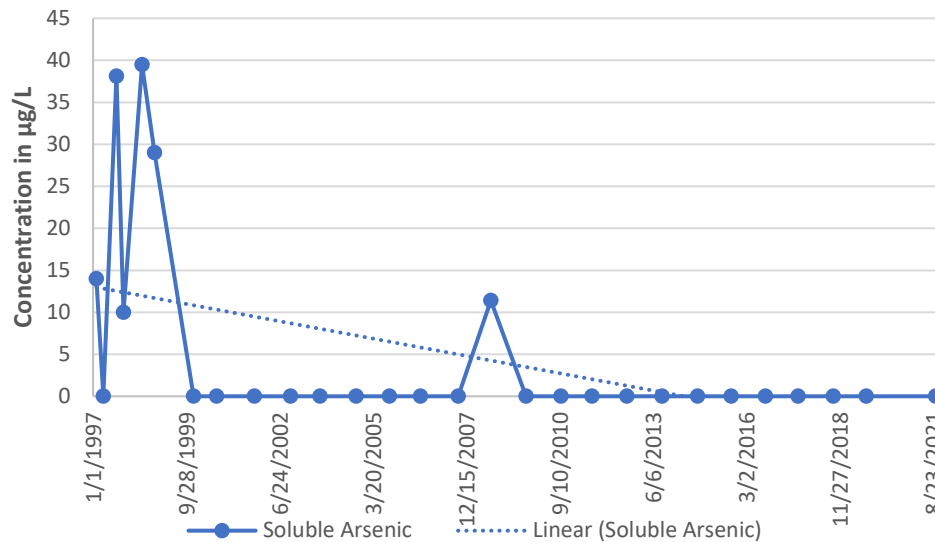


Figure 3-9e
MW-13S: Soluble Lead

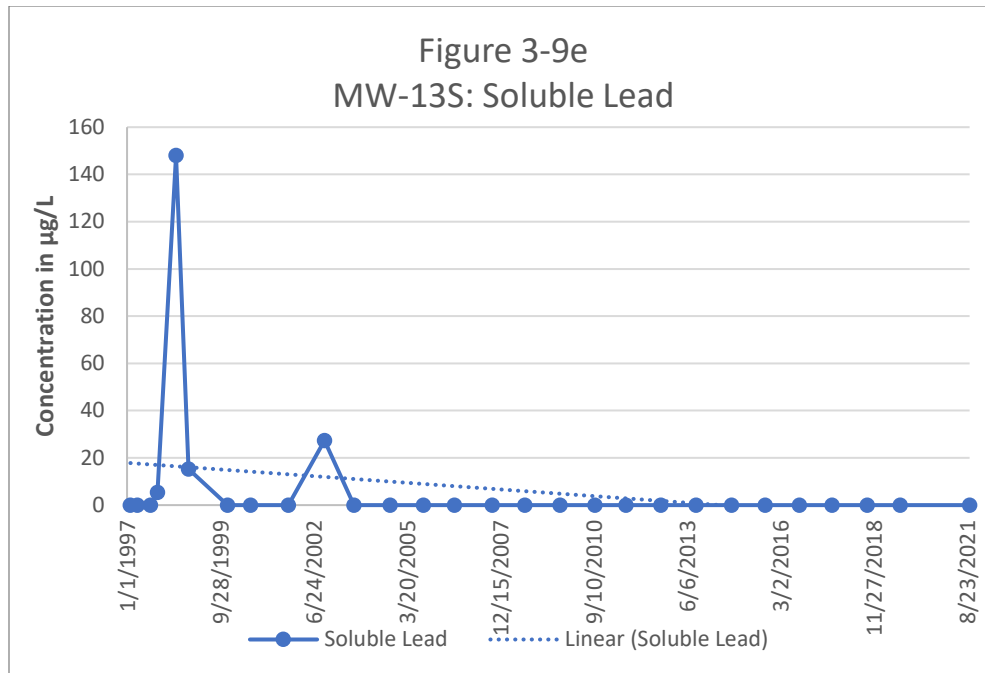


Figure 3-10a
MW-13M: Total SVOCs

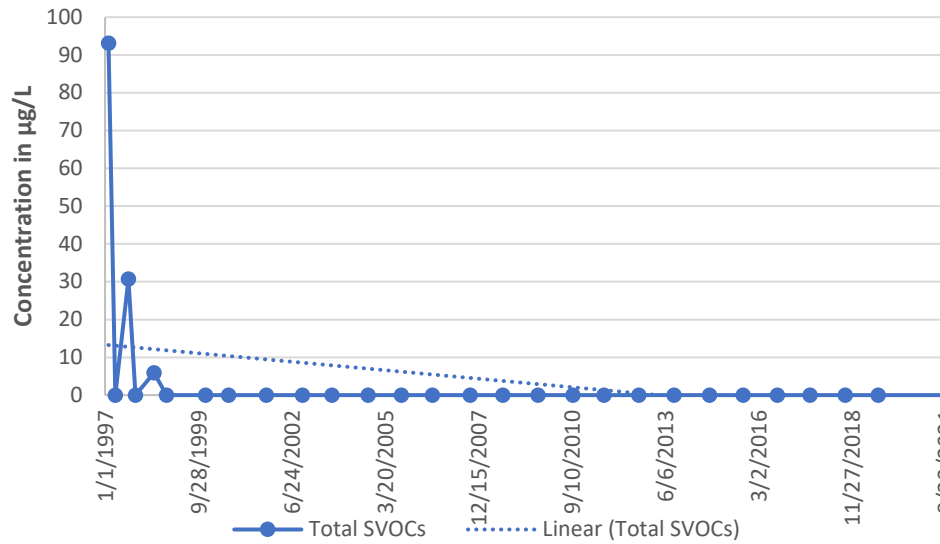


Figure 3-10b
MW-13M: Total VOCs

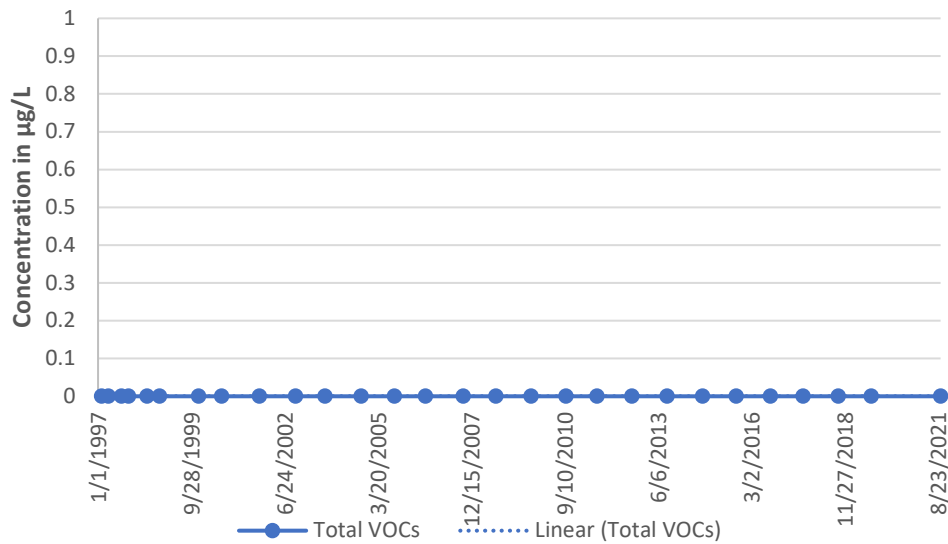


Figure 3-10c
MW-13M: TPH

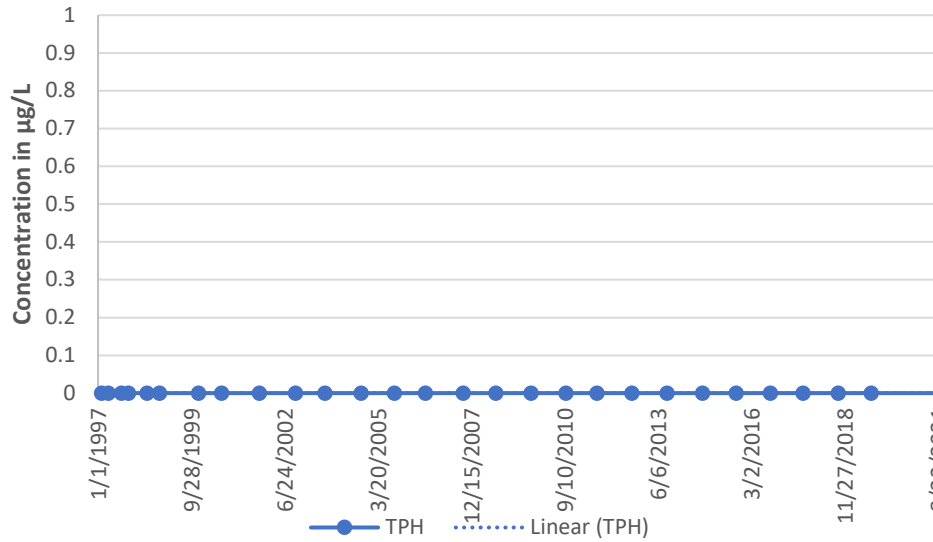
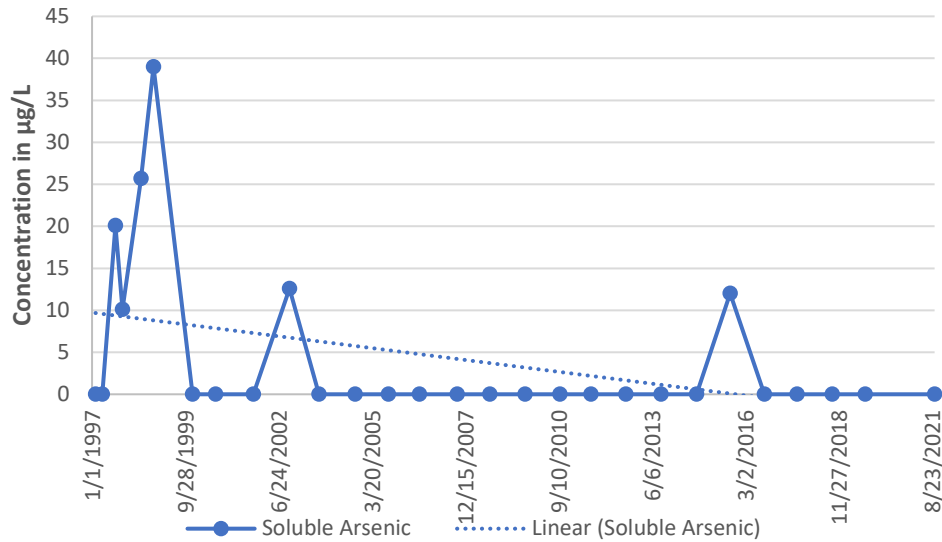


Figure 3-10d
MW-13M: Soluble Arsenic



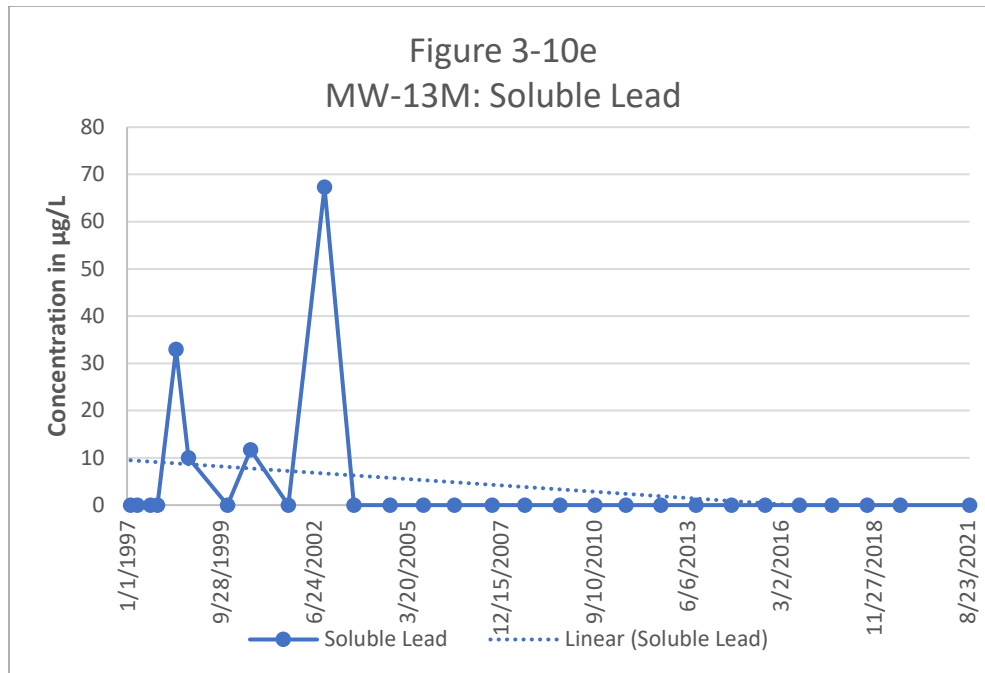


Figure 3-11a
MW-14S: Total SVOCs

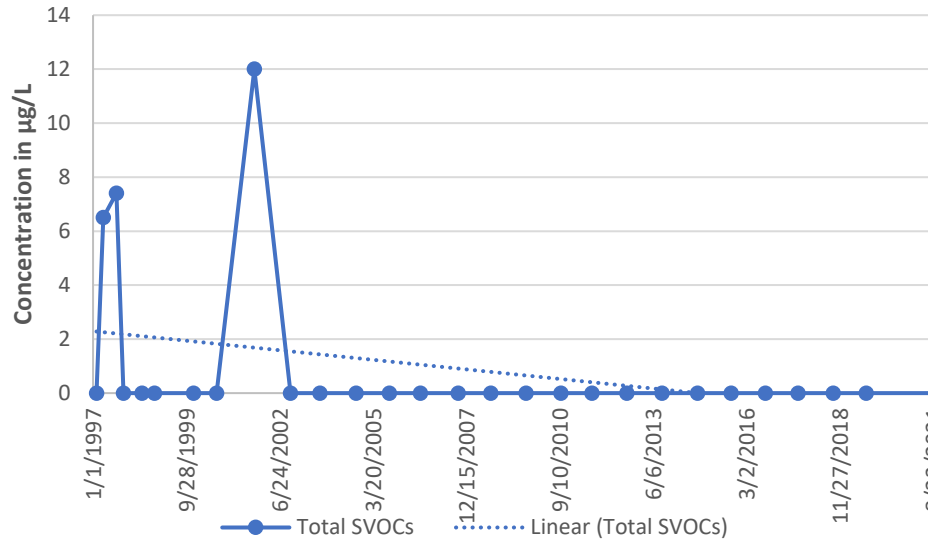
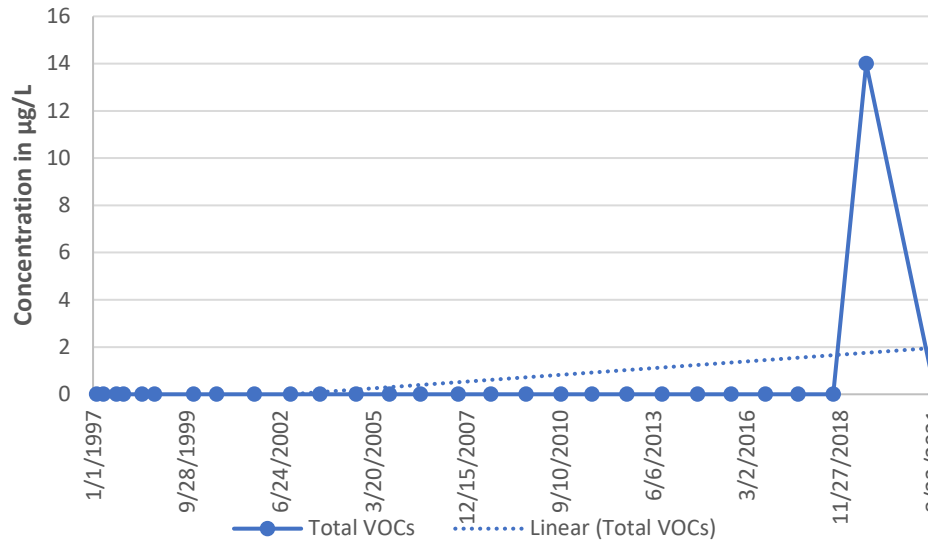
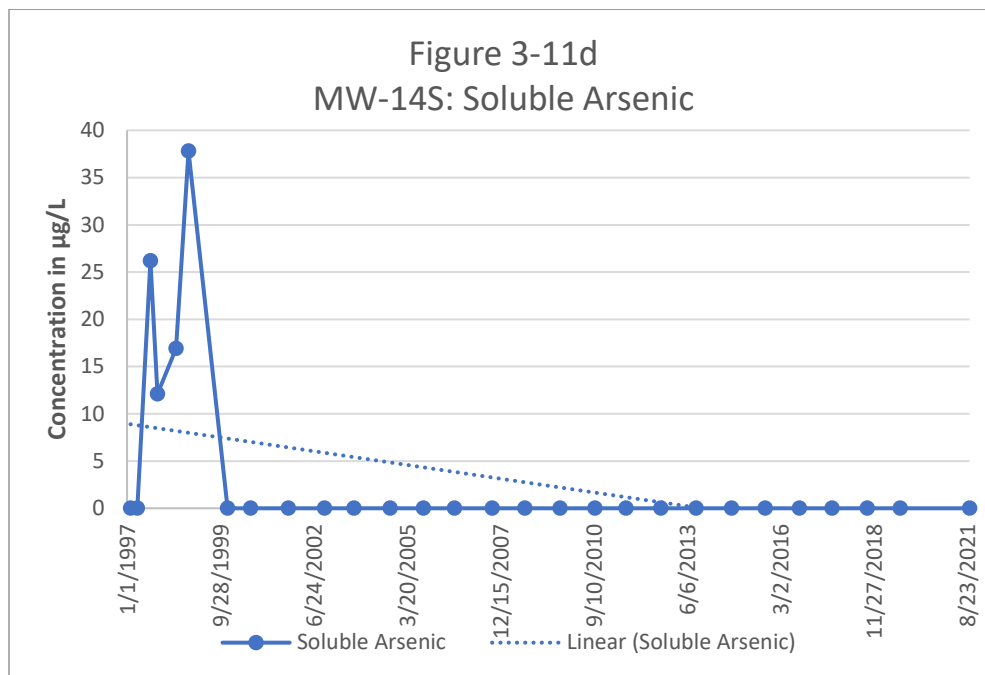
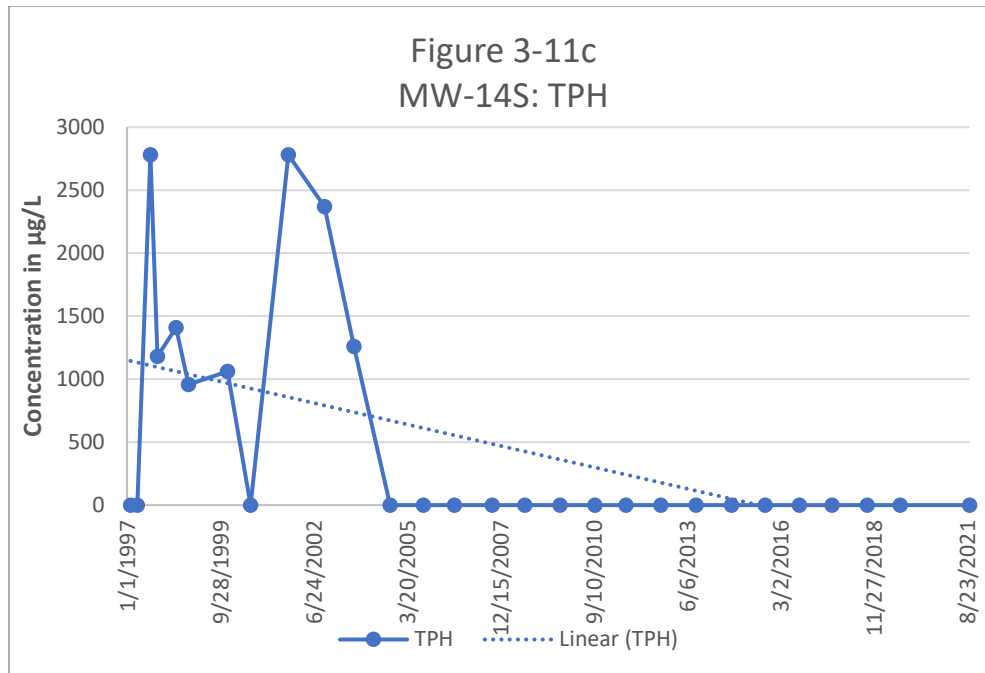
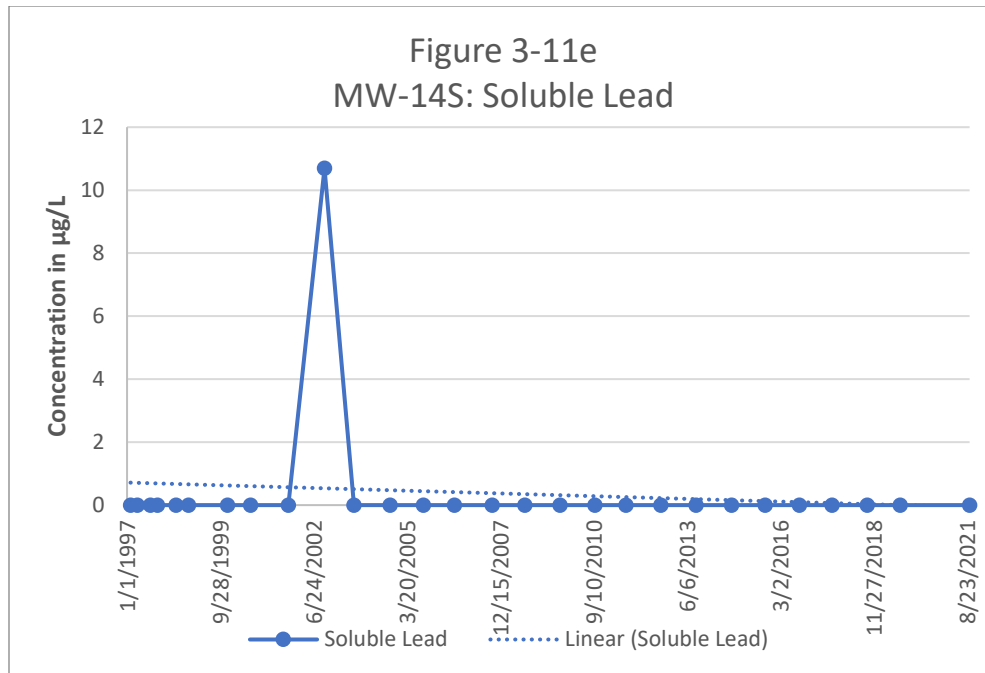


Figure 3-11b
MW-14S: Total VOCs









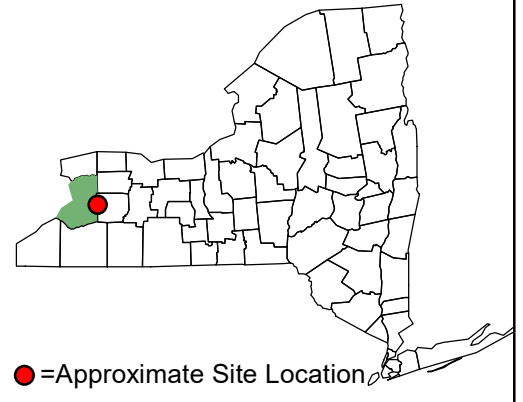
52 Federal Road
Suite 2C
Danbury, CT
06810

(203) 205-9000

Project Name: Union Road

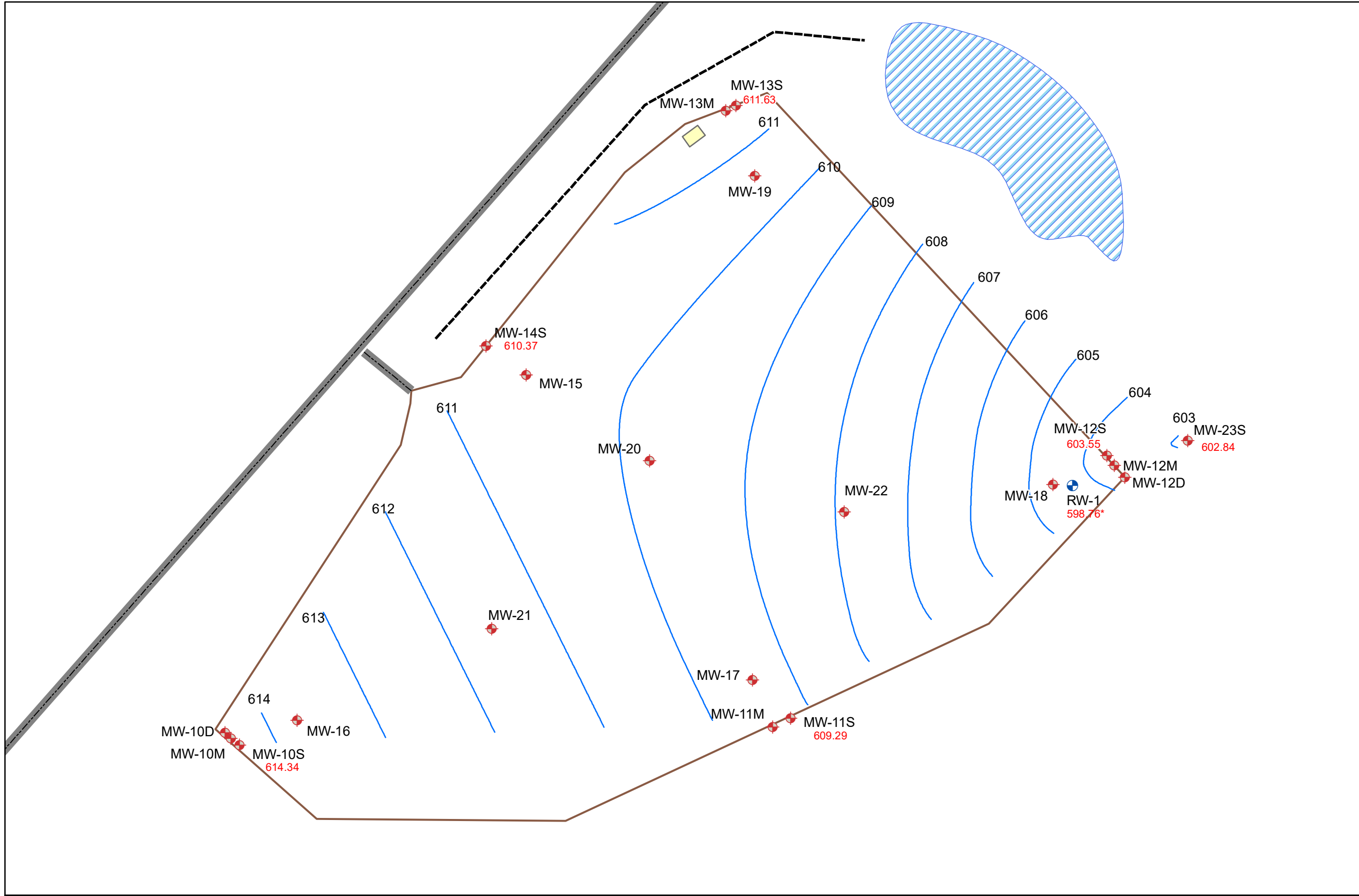
FIGURE 4-1

Author: RTM	Checked By: ---
Project #: 2011	Created: 10/10/2011
	Revised: 1/24/22
Scale: 1 in:100 ft	File: GWContour_S_2021



Legend

- Monitoring Wells
- Recovery Well
- Contour
- Road
- Ditch
- Fence
- Shed
- Pond



062.5125250375500

Feet

Union Road- Shallow Groundwater

Elevation Contour Map for September 19, 2021



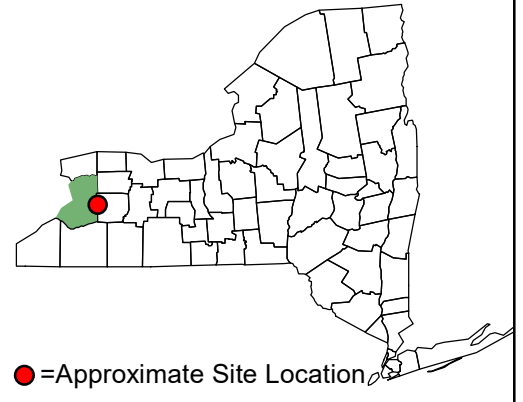
52 Federal Road
Suite 2C
Danbury, CT
06810

(203) 205-9000

Project Name: Union Road

FIGURE 4-2

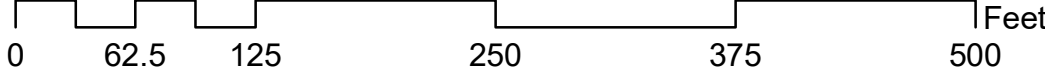
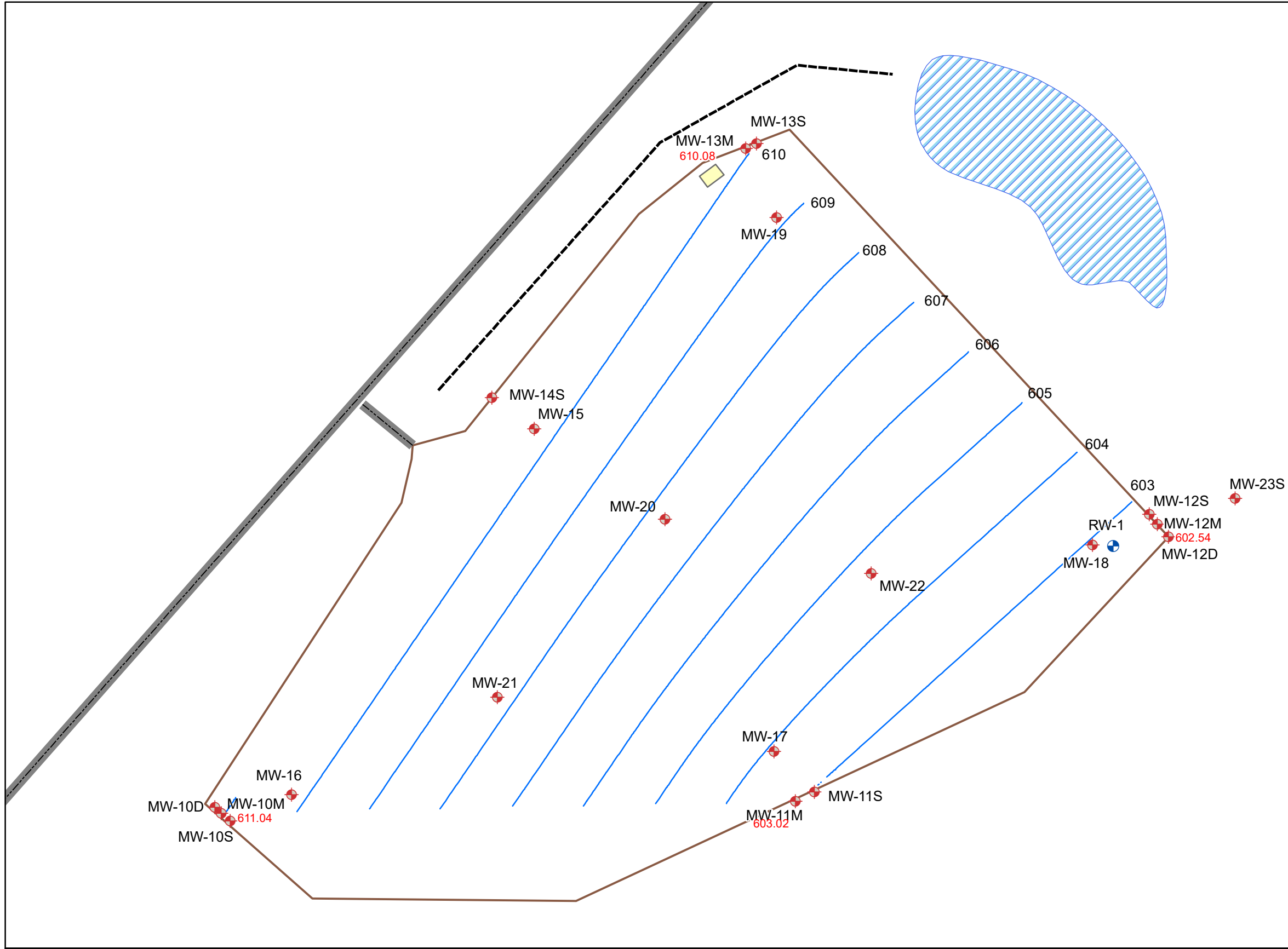
Author: RTM	Checked By: ----
Project #: 2011	Created: 10/10/2011
	Revised: 9/22/21
Scale: 1 in:100 ft	File: GWContour_M_2021



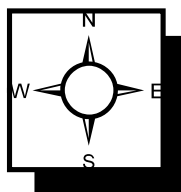
● = Approximate Site Location

Legend

- Monitoring Wells
- Recovery Well
- con21
- Road
- Ditch
- Fence
- Shed
- Pond



Union Road- Middle Groundwater
Elevation Contour Map for September 19, 2021





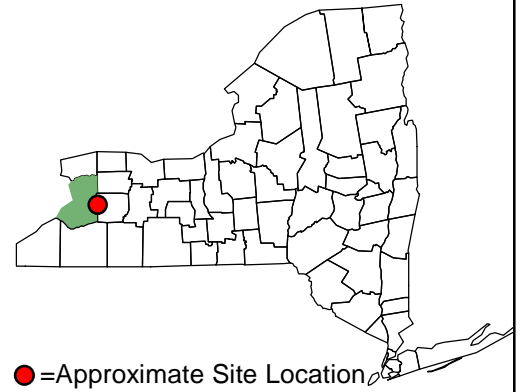
52 Federal Road
Suite 2C
Danbury, CT
06810

(203) 205-9000

Project Name: Union Road

FIGURE 4-3

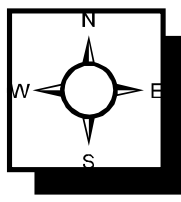
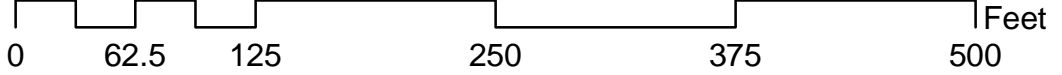
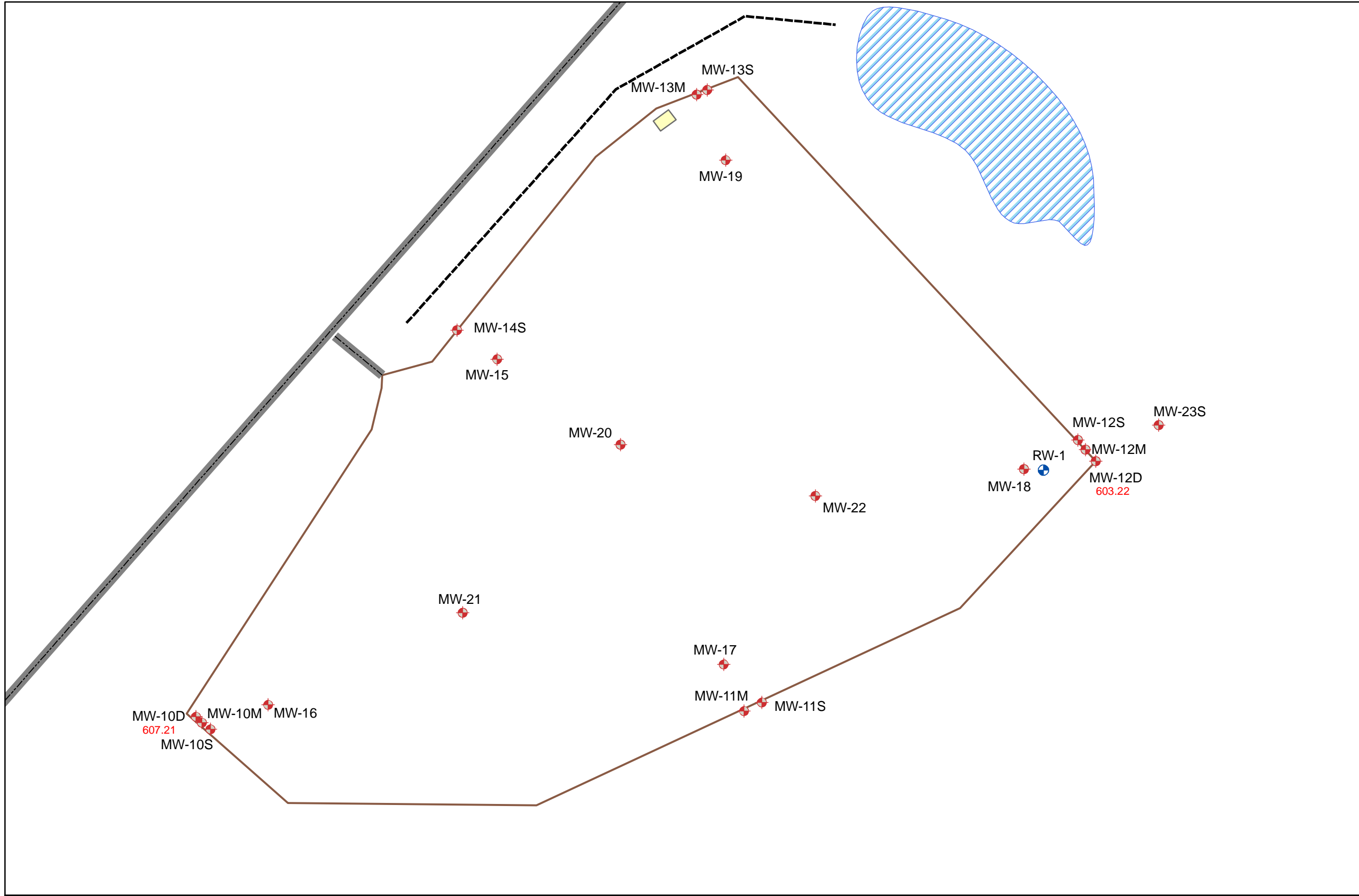
Author: RTM	Checked By: ----
Project #: 2011	Created: 10/10/2011
	Revised: 10/5/21
Scale: 1 in:100 ft	File: GWContour_D_2021



● = Approximate Site Location

Legend

- Monitoring Wells
- Recovery Well
- Road
- Ditch
- Fence
- Shed
- Pond



Union Road- Deep Groundwater
Elevation Map for September 19, 2021

TABLES

TABLE 3-1
UNION ROAD GROUNDWATER MONITORING REPORT
CLOSURE YEAR 25 (2021)



PRE-CONSTRUCTION SAMPLING OF SHALLOW WELLS
(JUNE - AUGUST, 1991)

(concentrations in ug/L)

	MW-4S	MW-4S	MW-5S	MW-6S	MW-6S	
ANALYTE	PHASE I	PHASE II	PHASE I	PHASE I	PHASE II	AVERAGE
SVOC's (Base Neutrals)	17	16	120	290	100	109
Total VOC's	ND	5.9	ND	42	3	10
TPH	4,400	1,800	2,200	5,800	ND	2,840
Soluble Arsenic	34.8	35.5	14.7	27.1	5.7	24
Soluble Lead	10,100	8,090	4,450	3,560	367	5,313

ND- analyte not detected

Prepared by: RTM
Date: 11/9/21
Checked by: MP
Date: 1/18/22

TABLE 3-2
UNION ROAD
GROUNDWATER MONITORING REPORT
September 19- 20, 2021



WELL PURGING SUMMARY

Well Number	Riser Elev. (Feet) ¹	Orginal Bottom Elev. (Feet)	Depth to Water (Feet)	Water Elev. (Feet)	Water Height in Well (Feet)	Water Volume in Well (Gallons)	3X	Water Removed from Well (Gallons)	Notes
10S	623.09	599.9	8.75	614.34	14.44	2.3	6.9	7.02	
10M	622.50	589.6	11.46	611.04	21.44	3.4	10.3	10.24	
10D	622.02	574.1	14.81	607.21	33.11	5.3	15.9	8.00	Purged Dry
11S	622.74	597.1	13.45	609.29	12.19	2.0	5.9	6.00	
11M	622.86	578.4	19.84	603.02	24.62	3.9	11.8	10.50	
12S	622.62	595.8	19.07	603.55	7.75	1.2	3.7	2.00	Purged Dry
12M	622.97	578.8	20.43	602.54	23.74	3.8	11.4	12.00	
12D	621.18	557.8	17.96	603.22	45.42	7.3	21.8	21.75	
13S	622.96	599.1	11.33	611.63	12.53	2.0	6.0	6.00	
13M	621.66	585.8	11.58	610.08	24.28	3.9	11.7	12.00	
14S ²	621.61	602.1	11.24	610.37	8.27	1.3	4.0	3.75	

¹ Elevations were surveyed by Douglas C. Meyers P.L.S., P.C. on March 17, 1997

² MW-14S was reinstalled, developed and resurveyed on August 19, 1997.

³ All Elevations are referenced to Mean Sea Level

⁴ All wells are two 2-inches in diameter

⁵ Well development was performed on 1/16/1997

TABLE 3-3
UNION ROAD
ANNUAL GROUNDWATER MONITORING
September 19-20, 2021



SHALLOW WELL SVOCs

ANALYTE	NYS Water Quality Standard	NYS Water Quality Guidance Value	ANALYTICAL RESULTS (ug/L)					MRL
			MW-10S	MW-11S	MW-12S	MW-13S	MW-14S	
Well ID								
Dilution			1.00	1.00	1.00	1.00	1.00	
acenaphthene		20	ND	ND	ND	ND	ND	9.1
acenaphthylene	NR	NR	ND	ND	ND	ND	ND	9.1
anthracene		50	ND	ND	ND	ND	ND	9.1
benzo(a)anthracene		0.002	ND	ND	ND	ND	ND	9.1
benzo(a)pyrene	>ND		ND	ND	ND	ND	ND	9.1
benzo(b)fluoranthene		0.002	ND	ND	ND	ND	ND	9.1
benzo(g,h,i)perylene	NR	NR	ND	ND	ND	ND	ND	9.1
benzo(k)fluoranthene		0.002	ND	ND	ND	ND	ND	9.1
benzyl alcohol	NR	NR	ND	ND	ND	ND	ND	9.1
butly benzyl phthalate		50	ND	ND	ND	ND	ND	9.1
di-n-butylphthalate	50		ND	ND	ND	ND	ND	9.1
carbazole	NR	NR	ND	ND	ND	ND	ND	9.1
indeno(1,2,3-cd)pyrene		0.002	ND	ND	ND	ND	ND	9.1
4-chloroaniline	5		ND	ND	ND	ND	ND	9.1
bis(-2-chloroethoxy)methane	5		ND	ND	ND	ND	ND	9.1
bis(2-chloroethyl)ether	1		ND	ND	ND	ND	ND	9.1
2-chloronaphthalene		10	ND	ND	ND	ND	ND	9.1
2-chlorophenol	1†		ND	ND	ND	ND	ND	9.1
2,2'-oxybis(1-chloropropane)	5		ND	ND	ND	ND	ND	9.1
chrysene		0.002	ND	ND	ND	ND	ND	9.1
dibenzo(a,h)anthracene	NR	NR	ND	ND	ND	ND	ND	9.1
dibenzofuran	NR	NR	ND	ND	ND	ND	ND	9.1
1,2-dichlorobenzene	3		ND	ND	ND	ND	ND	9.1
1,3-dichlorobenzene	3		ND	ND	ND	ND	ND	9.1
1,4-dichlorobenzene	3		ND	ND	ND	ND	ND	9.1
3,3'-dichlorobenzidine	5		ND	ND	ND	ND	ND	9.1
2,4-dichlorophenol	5		ND	ND	ND	ND	ND	9.1
diethylphthalate		50	ND	ND	ND	ND	ND	9.1
dimethyl phthalate		50	ND	ND	ND	ND	ND	9.1
2,4-dimethylphenol		50	ND	ND	ND	ND	ND	9.1
2,4-dinitrophenol		10	ND	ND	ND	ND	ND	45
2,4-dinitrotoluene	5		ND	ND	ND	ND	ND	9.1
2,6-dinitrotoluene	5		ND	ND	ND	ND	ND	9.1
bis(2-ethylhexyl)phthalate	5		ND	ND	ND	ND	ND	9.1
fluoranthene		50	ND	ND	ND	ND	ND	9.1
fluorene		50	ND	ND	ND	ND	ND	9.1
hexachlorobenzene	0.04		ND	ND	ND	ND	ND	9.1
hexachlorobutadiene	0.5		ND	ND	ND	ND	ND	9.1
hexachlorocyclopentadiene	5		ND	ND	ND	ND	ND	9.1
hexachloroethane	5		ND	ND	ND	ND	ND	9.1
isophorone		50	ND	ND	ND	ND	ND	9.1
2-methylnaphthalene	NR	NR	ND	ND	ND	ND	ND	9.1
2-methylphenol	1†		ND	ND	ND	ND	ND	9.1

Prepared by: RTM
 Date: 11/23/21
 Checked by: MP
 Date: 1/18/22

TABLE 3-3
UNION ROAD
ANNUAL GROUNDWATER MONITORING
September 19-20, 2021



SHALLOW WELL SVOCs

ANALYTE	NYS Water Quality Standard	NYS Water Quality Guidance Value	ANALYTICAL RESULTS (ug/L)					MRL
			MW-10S	MW-11S	MW-12S	MW-13S	MW-14S	
Well ID								
Dilution			1.00	1.00	1.00	1.00	1.00	
4,6-dinitro-2-methylphenol	1†		ND	ND	ND	ND	ND	45
4-chloro-3-methylphenol	1†		ND	ND	ND	ND	ND	9.1
3+4-methylphenol	1†		ND	ND	ND	ND	ND	9.1
naphthalene		10	ND	ND	ND	ND	ND	9.1
2-nitroaniline	5		ND	ND	ND	ND	ND	45
3-nitroaniline	5		ND	ND	ND	ND	ND	45
4-nitroaniline	5		ND	ND	ND	ND	ND	45
nitrobenzene	0.4		ND	ND	ND	ND	ND	9.1
2-nitrophenol	1†		ND	ND	ND	ND	ND	9.1
4-nitrophenol	1†		ND	ND	ND	ND	ND	45
n-nitrosodimethylamine	NR	NR	ND	ND	ND	ND	ND	9.1
n-nitrosodiphenylamine		50	ND	ND	ND	ND	ND	9.1
di-n-octyl phthalate		50	ND	ND	ND	ND	ND	9.1
pentachlorophenol	1†		ND	ND	ND	ND	ND	45
phenanthrene		50	ND	ND	ND	ND	ND	9.1
phenol	1†		ND	ND	ND	ND	ND	9.1
4-bromophenyl-phenylether	NR	NR	ND	ND	ND	ND	ND	9.1
4-chlorophenyl-phenylether	NR	NR	ND	ND	ND	ND	ND	9.1
n-nitroso-di-n-propylamine	NR	NR	ND	ND	ND	ND	ND	9.1
pyrene		50	ND	ND	ND	ND	ND	9.1
1,2,4-trichlorobenzene	5		ND	ND	ND	ND	ND	9.1
2,4,5-trichlorophenol	1†		ND	ND	ND	ND	ND	9.1
2,4,6-trichlorophenol	1†		ND	ND	ND	ND	ND	9.1
TOTALS			ND	ND	ND	ND	ND	

Average Outside Landfill (MW 10S - 14S)	ND
Average Inside Landfill (Table 3-1)	109

ND - Not Detected, above the laboratory detection limit

† - Applies to the sum total of these substances

TABLE 3-4
UNION ROAD
ANNUAL GROUNDWATER MONITORING
September 19-20, 2021



SHALLOW WELL VOCs

ANALYTE	NYS Water Quality Standard	NYS Water Quality Guidance Value	ANALYTICAL RESULTS (ug/L)					MRL
			MW-10S	MW-11S	MW-12S	MW-13S	MW-14S	
Well ID			1.00	1.00	1.00	1.00	1.00	
Dilution								
acetone		50	ND	ND	ND	ND	ND	10
benzene	1		ND	ND	ND	ND	ND	5.0
bromodichloromethane		50	ND	ND	ND	ND	ND	5.0
bromoform		50	ND	ND	ND	ND	ND	5.0
bromomethane	5		ND	ND	ND	ND	ND	5.0
2-butanone (MEK)		50	ND	ND	ND	ND	ND	10
carbon disulfide	NR	NR	ND	ND	ND	ND	ND	10
carbon tetrachloride	5		ND	ND	ND	ND	ND	5.0
chlorobenzene	5		ND	ND	ND	ND	ND	5.0
chloroethane	5		ND	ND	ND	ND	ND	5.0
chloroform	7		ND	ND	ND	ND	ND	5.0
chloromethane	5		ND	ND	ND	ND	ND	5.0
dibromochloromethane		50	ND	ND	ND	ND	ND	5.0
1,1-dichloroethane	5		ND	ND	ND	ND	ND	5.0
1,2-dichloroethane	0.6		ND	ND	ND	ND	ND	5.0
1,1-dichloroethene	5		ND	ND	ND	ND	ND	5.0
cis-1,2-dichloroethene	5		ND	ND	ND	ND	ND	5.0
trans-1,2-dichloroethene	5		ND	ND	ND	ND	ND	5.0
1,2-dichloropropane	1		ND	ND	ND	ND	ND	5.0
cis-1,3-dichloropropene	0.4*		ND	ND	ND	ND	ND	5.0
trans-1,3-dichloropropene	0.4*		ND	ND	ND	ND	ND	5.0
ethylbenzene	5		ND	ND	ND	ND	ND	5.0
2-hexanone		50	ND	ND	ND	ND	ND	10
methylene chloride	5		ND	ND	ND	ND	ND	5.0
4-methyl-2-pentanone (MIBK)	NR	NR	ND	ND	ND	ND	ND	10
styrene	5		ND	ND	ND	ND	ND	5.0
1,1,2,2-tetrachloroethane	5		ND	ND	ND	ND	ND	5.0
tetrachloroethene	5		ND	ND	ND	ND	ND	5.0
toluene	5		ND	ND	ND	ND	ND	5.0
1,1,1-trichloroethane	5		ND	ND	ND	ND	ND	5.0
1,1,2-trichloroethane	1		ND	ND	ND	ND	ND	5.0
trichloroethene	5		ND	ND	ND	ND	ND	5.0
vinyl chloride	2		ND	ND	ND	ND	ND	5.0
m+p xylene	5 (each)		ND	ND	ND	ND	ND	5.0
o-xylene	5		ND	ND	ND	ND	ND	5.0
TOTAL VOC'S			ND	ND	ND	ND	ND	

Average Outside Landfill	Average Inside Landfill
(MW 10S - 14S)	(Table 3-1)
0	10

TPH			ND	ND	ND	ND	ND	4.7
SOLUBLE ARSENIC	25		ND	ND	ND	ND	ND	10
SOLUBLE LEAD	25		ND	ND	ND	ND	ND	50

0.0	2,840
0.0	24
0.0	5,313

ND - Not Detected, above the laboratory detection limit
 * - Applies to the sum total of cis- and trans-1,3-dichloropropene

Prepared by: RTM
 Date: 11/23/21
 Checked by: MP
 Date: 1/18/22

TABLE 3-5
UNION ROAD
ANNUAL GROUNDWATER MONITORING
September 19-21, 2021



MEDIUM WELL SVOCs

ANALYTE	NYS Water Quality Standard	NYS Water Quality Guidance Value	ANALYTICAL RESULTS (ug/L)				MRL
Well ID			MW-10M	MW-11M	MW-12M	MW-13M	
Dilution			1.00	1.00	1.00	1.00	
acenaphthene		20	ND	ND	ND	ND	9.4
acenaphthylene	NR	NR	ND	ND	ND	ND	9.4
anthracene		50	ND	ND	ND	ND	9.4
benzo(a)anthracene		0.002	ND	ND	ND	ND	9.4
benzo(a)pyrene	>ND		ND	ND	ND	ND	9.4
benzo(b)fluoranthene		0.002	ND	ND	ND	ND	9.4
benzo(g,h,i)perylene	NR	NR	ND	ND	ND	ND	9.4
benzo(k)fluoranthene		0.002	ND	ND	ND	ND	9.4
benzyl alcohol	NR	NR	ND	ND	ND	ND	9.4
butly benzyl phthalate		50	ND	ND	ND	ND	9.4
di-n-butylphthalate	50		ND	ND	ND	ND	9.4
carbazole	NR	NR	ND	ND	ND	ND	9.4
indeno(1,2,3-cd)pyrene		0.002	ND	ND	ND	ND	9.4
4-chloroaniline	5		ND	ND	ND	ND	9.4
bis(-2-chloroethoxy)methane	5		ND	ND	ND	ND	9.4
bis(2-chloroethyl)ether	1		ND	ND	ND	ND	9.4
2-chloronapthalene		10	ND	ND	ND	ND	9.4
2-chlorophenol	1†		ND	ND	ND	ND	9.4
2,2'-oxybis(1-chloropropane)	5		ND	ND	ND	ND	9.4
chrysene		0.002	ND	ND	ND	ND	9.4
dibenzo(a,h)anthracene	NR	NR	ND	ND	ND	ND	9.4
dibenzofuran	NR	NR	ND	ND	ND	ND	9.4
1,2-dichlorobenzene	3		ND	ND	ND	ND	9.4
1,3-dichlorobenzene	3		ND	ND	ND	ND	9.4
1,4-dichlorobenzene	3		ND	ND	ND	ND	9.4
3,3'-dichlorobenzidine	5		ND	ND	ND	ND	9.4
2,4-dichlorophenol	5		ND	ND	ND	ND	9.4
diethylphthalate		50	ND	ND	ND	ND	9.4
dimethyl phthalate		50	ND	ND	ND	ND	9.4
2,4-dimethylphenol		50	ND	ND	ND	ND	9.4
2,4-dinitrophenol		10	ND	ND	ND	ND	47
2,4-dinitrotoluene	5		ND	ND	ND	ND	9.4
2,6-dinitrotoluene	5		ND	ND	ND	ND	9.4
bis(2-ethylhexyl)phthalate	5		ND	ND	ND	ND	9.7
fluoranthene		50	ND	ND	ND	ND	9.4
fluorene		50	ND	ND	ND	ND	9.4
hexachlorobenzene	0.04		ND	ND	ND	ND	9.4
hexachlorobutadiene	0.5		ND	ND	ND	ND	9.4

Prepared by: RTM
 Date: 11/23/21
 Checked by: MP
 Date: 1/18/22

TABLE 3-5
UNION ROAD
ANNUAL GROUNDWATER MONITORING
September 19-21, 2021



MEDIUM WELL SVOCs

ANALYTE	NYS Water Quality Standard	NYS Water Quality Guidance Value	ANALYTICAL RESULTS (ug/L)				MRL
			MW-10M	MW-11M	MW-12M	MW-13M	
Well ID							
Dilution			1.00	1.00	1.00	1.00	
hexachlorocyclopentadiene	5		ND	ND	ND	ND	9.4
hexachloroethane	5		ND	ND	ND	ND	9.4
isophorone		50	ND	ND	ND	ND	9.4
2-methylnapthalene	NR	NR	ND	ND	ND	ND	9.4
2-methylphenol	1†		ND	ND	ND	ND	9.4
4,6-dinitro-2-methylphenol	1†		ND	ND	ND	ND	47
4-chloro-3-methylphenol	1†		ND	ND	ND	ND	9.4
3+4-methylphenol	1†		ND	ND	ND	ND	9.4
napthalene		10	ND	ND	ND	ND	9.4
2-nitroaniline	5		ND	ND	ND	ND	47
3-nitroaniline	5		ND	ND	ND	ND	47
4-nitroaniline	5		ND	ND	ND	ND	47
nitrobenzene	0.4		ND	ND	ND	ND	9.4
2-nitrophenol	1†		ND	ND	ND	ND	9.4
4-nitrophenol	1†		ND	ND	ND	ND	47
n-nitrosodimethylamine	NR	NR	ND	ND	ND	ND	9.4
n-nitrosodiphenylamine		50	ND	ND	ND	ND	9.4
di-n-octyl phthalate		50	ND	ND	ND	ND	9.4
pentachlorophenol	1†		ND	ND	ND	ND	47
phenanthrene		50	ND	ND	ND	ND	9.4
phenol	1†		ND	ND	ND	ND	9.4
4-bromophenyl-phenylether	NR	NR	ND	ND	ND	ND	9.4
4-chlorophenyl-phenylether	NR	NR	ND	ND	ND	ND	9.4
n-nitroso-di-n-propylamine	NR	NR	ND	ND	ND	ND	9.4
pyrene		50	ND	ND	ND	ND	9.4
1,2,4-trichlorobenzene	5		ND	ND	ND	ND	9.4
2,4,5-trichlorophenol	1†		ND	ND	ND	ND	9.4
2,4,6-trichlorophenol	1†		ND	ND	ND	ND	9.4
TOTALS			ND	ND	ND	ND	

D - Reported concentration is a result of a dilution.

ND - Not Detected, above the laboratory detection limit

† - Applies to the sum total of these substances

Prepared by: RTM

Date: 11/23/21

Checked by: MP

Date: 1/18/22

TABLE 3-6
UNION ROAD
ANNUAL GROUNDWATER MONITORING
September 19-20, 2021



MEDIUM WELL VOCs

ANALYTE	NYS Water Quality Standard	NYS Water Quality Guidance Value	ANALYTICAL RESULTS (ug/L)				MRL
			MW-10M	MW-11M	MW-12M	MW-13M	
Well ID							
Dilution			1.00	1.00	1.00	1.00	
acetone		50	ND	ND	ND	ND	10
benzene	1		ND	ND	ND	ND	5.0
bromodichloromethane		50	ND	ND	ND	ND	5.0
bromoform		50	ND	ND	ND	ND	5.0
bromomethane	5		ND	ND	ND	ND	5.0
2-butanone (MEK)		50	ND	ND	ND	ND	10
carbon disulfide	NR	NR	ND	ND	ND	ND	10
carbon tetrachloride	5		ND	ND	ND	ND	5.0
chlorobenzene	5		ND	ND	ND	ND	5.0
chloroethane	5		ND	ND	ND	ND	5.0
chloroform	7		ND	ND	ND	ND	5.0
chloromethane	5		ND	ND	ND	ND	5.0
dibromochloromethane		50	ND	ND	ND	ND	5.0
1,1-dichloroethane	5		ND	ND	ND	ND	5.0
1,2-dichloroethane	0.6		ND	ND	ND	ND	5.0
1,1-dichloroethene	5		ND	ND	ND	ND	5.0
cis-1,2-dichloroethene	5		ND	ND	ND	ND	5.0
trans-1,2-dichloroethene	5		ND	ND	ND	ND	5.0
1,2-dichloropropane	1		ND	ND	ND	ND	5.0
cis-1,3-dichloropropene	0.4*		ND	ND	ND	ND	5.0
trans-1,3-dichloropropene	0.4*		ND	ND	ND	ND	5.0
ethylbenzene	5		ND	ND	ND	ND	5.0
2-hexanone		50	ND	ND	ND	ND	10
methylene chloride	5		ND	ND	ND	ND	5.0
4-methyl-2-pentanone (MIBK)	NR	NR	ND	ND	ND	ND	10
styrene	5		ND	ND	ND	ND	5.0
1,1,2,2-tetrachloroethane	5		ND	ND	ND	ND	5.0
tetrachloroethene	5		ND	ND	ND	ND	5.0
toluene	5		ND	ND	ND	ND	5.0
1,1,1-trichloroethane	5		ND	ND	ND	ND	5.0
1,1,2-trichloroethane	1		ND	ND	ND	ND	5.0
trichloroethene	5		ND	ND	ND	ND	5.0
vinyl chloride	2		ND	ND	ND	ND	5.0
m+p xylene	5 (each)		ND	ND	ND	ND	5.0
o-xylene	5		ND	ND	ND	ND	5.0
TOTAL VOC'S			ND	ND	ND	ND	
TPH			ND	ND	ND	ND	4.7
SOLUBLE ARSENIC	25		ND	ND	ND	ND	10
SOLUBLE LEAD	25		ND	ND	ND	ND	50

ND - Not Detected, above the laboratory detection limit

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Prepared by: RTM
Date: 11/23/21
Checked by: MP
Date: 1/18/22

TABLE 3-7
UNION ROAD
ANNUAL GROUNDWATER MONITORING
September 19-20, 2021



DEEP WELL SVOCs

ANALYTE	NYS Water Quality Standard	NYS Water Quality Guidance Value	ANALYTICAL RESULTS (ug/L)		MRL
			MW-10D	MW-12D	
			1.00	1.00	
acenaphthene		20	ND	ND	9.4
acenaphthylene	NR	NR	ND	ND	9.4
anthracene		50	ND	ND	9.4
benzo(a)anthracene		0.002	ND	ND	9.4
benzo(a)pyrene	>ND		ND	ND	9.4
benzo(b)fluoranthene		0.002	ND	ND	9.4
benzo(g,h,i)perylene	NR	NR	ND	ND	9.4
benzo(k)fluoranthene		0.002	ND	ND	9.4
benzyl alcohol	NR	NR	ND	ND	9.4
butly benzyl phthalate		50	ND	ND	9.4
di-n-butylphthalate	50		ND	ND	9.4
carbazole	NR	NR	ND	ND	9.4
indeno(1,2,3-cd)pyrene		0.002	ND	ND	9.4
4-chloroaniline	5		ND	ND	9.4
bis(-2-chloroethoxy)methane	5		ND	ND	9.4
bis(2-chloroethyl)ether	1		ND	ND	9.4
2-chloronaphthalene		10	ND	ND	9.4
2-chlorophenol	1†		ND	ND	9.4
2,2'-oxybis(1-chloropropane)	5		ND	ND	9.4
chrysene		0.002	ND	ND	9.4
dibenzo(a,h)anthracene	NR	NR	ND	ND	9.4
dibenzofuran	NR	NR	ND	ND	9.4
1,2-dichlorobenzene	3		ND	ND	9.4
1,3-dichlorobenzene	3		ND	ND	9.4
1,4-dichlorobenzene	3		ND	ND	9.4
3,3'-dichlorobenzidine	5		ND	ND	9.4
2,4-dichlorophenol	5		ND	ND	9.4
diethylphthalate		50	ND	ND	9.4
dimethyl phthalate		50	ND	ND	9.4
2,4-dimethylphenol		50	ND	ND	9.4
2,4-dinitrophenol		10	ND	ND	47
2,4-dinitrotoluene	5		ND	ND	9.4
2,6-dinitrotoluene	5		ND	ND	9.4
bis(2-ethylhexyl)phthalate	5		ND	ND	9.7
fluoranthene		50	ND	ND	9.4
fluorene		50	ND	ND	9.4
hexachlorobenzene	0.04		ND	ND	9.4
hexachlorobutadiene	0.5		ND	ND	9.4

Prepared by: RTM
 Date: 11/23/21
 Checked by: MP
 Date: 1/18/22

TABLE 3-7
UNION ROAD
ANNUAL GROUNDWATER MONITORING
September 19-20, 2021



DEEP WELL SVOCs

ANALYTE	NYS Water Quality Standard	NYS Water Quality Guidance Value	ANALYTICAL RESULTS (ug/L)		MRL
			MW-10D	MW-12D	
Well ID			1.00	1.00	
Dilution					
hexachlorocyclopentadiene	5		ND	ND	9.4
hexachloroethane	5		ND	ND	9.4
isophorone		50	ND	ND	9.4
2-methylnaphthalene	NR	NR	ND	ND	9.4
2-methylphenol	1†		ND	ND	9.4
4,6-dinitro-2-methylphenol	1†		ND	ND	47
4-chloro-3-methylphenol	1†		ND	ND	9.4
3+4-methylphenol	1†		ND	ND	9.4
naphthalene		10	ND	ND	9.4
2-nitroaniline	5		ND	ND	47
3-nitroaniline	5		ND	ND	47
4-nitroaniline	5		ND	ND	47
nitrobenzene	0.4		ND	ND	9.4
2-nitrophenol	1†		ND	ND	9.4
4-nitrophenol	1†		ND	ND	47
n-nitrosodimethylamine	NR	NR	ND	ND	9.4
n-nitrosodiphenylamine		50	ND	ND	9.4
di-n-octyl phthalate		50	ND	ND	9.4
pentachlorophenol	1†		ND	ND	47
phenanthrene		50	ND	ND	9.4
phenol	1†		ND	ND	9.4
4-bromophenyl-phenylether	NR	NR	ND	ND	9.4
4-chlorophenyl-phenylether	NR	NR	ND	ND	9.4
n-nitroso-di-n-propylamine	NR	NR	ND	ND	9.4
pyrene		50	ND	ND	9.4
1,2,4-trichlorobenzene	5		ND	ND	9.4
2,4,5-trichlorophenol	1†		ND	ND	9.4
2,4,6-trichlorophenol	1†		ND	ND	9.4
TOTALS			ND	ND	

ND - Not Detected, above the laboratory detection limit

† - Applies to the sum total of these substances

TABLE 3-8
UNION ROAD
ANNUAL GROUNDWATER MONITORING
September 19-20, 2021



DEEP WELL VOCs

ANALYTE	Well ID	NYS Water Quality Standard	NYS Water Quality Guidance Value	ANALYTICAL RESULTS (ug/L)		MRL
				MW-10D	MW-12D	
				1.00	1.00	
acetone			50	13	ND	10
benzene		1		ND	ND	5.0
bromodichloromethane			50	ND	ND	5.0
bromoform			50	ND	ND	5.0
bromomethane		5		ND	ND	5.0
2-butanone (MEK)			50	ND	ND	10
carbon disulfide		NR	NR	ND	ND	10
carbon tetrachloride		5		ND	ND	5.0
chlorobenzene		5		ND	ND	5.0
chloroethane		5		ND	ND	5.0
chloroform		7		ND	ND	5.0
chloromethane		5		ND	ND	5.0
dibromochloromethane			50	ND	ND	5.0
1,1-dichloroethane		5		ND	ND	5.0
1,2-dichloroethane		0.6		ND	ND	5.0
1,1-dichloroethene		5		ND	ND	5.0
cis-1,2-dichloroethene		5		ND	ND	5.0
trans-1,2-dichloroethene		5		ND	ND	5.0
1,2-dichloropropane		1		ND	ND	5.0
cis-1,3-dichloropropene		0.4*		ND	ND	5.0
trans-1,3-dichloropropene		0.4*		ND	ND	5.0
ethylbenzene		5		ND	ND	5.0
2-hexanone			50	ND	ND	10
methylene chloride		5		ND	ND	5.0
4-methyl-2-pentanone (MIBK)		NR	NR	ND	ND	10
styrene		5		ND	ND	5.0
1,1,2,2-tetrachloroethane		5		ND	ND	5.0
tetrachloroethene		5		ND	ND	5.0
toluene		5		ND	ND	5.0
1,1,1-trichloroethane		5		ND	ND	5.0
1,1,2-trichloroethane		1		ND	ND	5.0
trichloroethene		5		ND	ND	5.0
vinyl chloride		2		ND	ND	5.0
m+p xylene		5 (each)		ND	ND	5.0
o-xylene		5		ND	ND	5.0
TOTAL VOC'S				13	ND	
TPH				ND	ND	4.7
SOLUBLE ARSENIC		25		ND	ND	10
SOLUBLE LEAD		25		ND	ND	50

ND - Not Detected, above the laboratory detection limit

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-9
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-105															
			Date	2/6/1997	4/22/1997	9/10/1997	11/25/1997	6/9/1998	10/20/1998	12/14/1999	8/17/2000	9/27/2001	10/17/2002	8/28/2003	9/19/2004	9/11/2005	8/10/2006	9/17/2007	9/3/2008
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acenapthene	83-32-9		20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
acenapthylene	208-96-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
anthracene	120-12-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)anthracene	56-55-3		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)pyrene	50-32-8	>ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(b)fluoranthene	205-99-2		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(g,h,i)perylene	191-24-2	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(k)fluoranthene	207-08-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzyl alcohol	100-51-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
butly benzyl phthalate	85-68-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-butylphthalate	84-74-2	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbazole	86-74-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
indeno(1,2,3-cd)pyrene	193-39-5		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloroaniline	106-47-8	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(-2-chloroethoxy)methane	111-91-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethyl)ether	111-44-4	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloronapthalene	91-85-7		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chlorophenol	95-57-8	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis(1-chloropropane)	108-60-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chrysene	218-01-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzo(a,h)anthracene	55-70-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzofuran	132-64-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	95-50-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	541-73-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	106-46-7	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	120-83-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
diethylphthalate	84-66-2		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dimethyl phthalate	131-11-3		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	105-67-9		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	51-28-5		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	121-14-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	606-20-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl)phthalate	117-81-7	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluoranthene	206-44-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluorene	86-73-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobenzene	118-74-1	0.04		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobutadiene	87-68-3	0.5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorocyclopentadiene	77-47-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachloroethane	67-72-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
isophorone	78-59-1		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylnapthalene	91-57-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylphenol	95-48-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-dinitro-2-methylphenol	534-52-1	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	59-50-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3- and 4-methylphenol	NA	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
napthalene	91-20-3		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitroaniline	88-74-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-nitroaniline	99-09-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitroaniline	100-01-6	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
nitrobenzene	98-95-3	0.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitrophenol	88-75-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitrophenol	100-02-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodimethylamine	62-75-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodiphenylamine	86-30-6		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-octyl phthalate	117-84-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachlorophenol	87-86-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenanthrene	85-01-8		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenol	108-95-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-bromophenyl-phenylether	101-55-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chlorophenyl-phenylether	7005-72-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitroso-di-n-propylamine	621-64-7	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pyrene	129-00-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	120-82-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	95-95-4	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	88-06-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toal SVOCs				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
Bolded results exceed NYS Ambient Water Quality Standards.
NR - No groundwater standard or guidance value available.
ND - Analyte not detected in Sample
NS - Not sampled
† - Applies to the sum total of these substances

Table 3-9
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-105											9/19/2021
			Date												
			NYS Water Quality Guidance Value	9/14/2009 µg/L	9/22/2010 µg/L	8/23/2011 µg/L	8/28/2012 µg/L	9/12/2013 µg/L	9/25/2014 µg/L	9/21/2015 µg/L	9/21/2016 µg/L	9/6/2017 µg/L	9/18/2018 µg/L	9/8/2019 µg/L	
acenaphthene	83-32-9		20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
acenaphthylene	208-96-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
anthracene	120-12-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)anthracene	56-55-3		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)pyrene	50-32-8	>ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(b)fluoranthene	205-99-2		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(g,h,i)perylene	191-24-2	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(k)fluoranthene	207-08-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzyl alcohol	100-51-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
butly benzyl phthalate	85-68-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-butylphthalate	84-74-2	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbazole	86-74-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
indeno(1,2,3-cd)pyrene	193-39-5		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloroaniline	106-47-8	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(-2-chloroethoxy)methane	111-91-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethyl)ether	111-44-4	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloronapthalene	91-85-7		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chlorophenol	95-57-8	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis(1-chloropropane)	108-60-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chrysene	218-01-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzo(a,h)anthracene	55-70-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzofuran	132-64-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	95-50-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	541-73-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	106-46-7	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	120-83-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
diethylphthalate	84-66-2		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dimethyl phthalate	131-11-3		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	105-67-9		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	51-28-5		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	121-14-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	606-20-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl)phthalate	117-81-7	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluoranthene	206-44-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluorene	86-73-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobenzene	118-74-1	0.04		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobutadiene	87-68-3	0.5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorocyclopentadiene	77-47-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachloroethane	67-72-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
isophorone	78-59-1		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylnapthalene	91-57-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylphenol	95-48-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-dinitro-2-methylphenol	534-52-1	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	59-50-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3- and 4-methylphenol	NA	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
napthalene	91-20-3		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitroaniline	88-74-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-nitroaniline	99-09-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitroaniline	100-01-6	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
nitrobenzene	98-95-3	0.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitrophenol	88-75-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitrophenol	100-02-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodimethylamine	62-75-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodiphenylamine	86-30-6		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-octyl phthalate	117-84-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachlorophenol	87-86-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenanthrene	85-01-8		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenol	108-95-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-bromophenyl-phenylether	101-55-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chlorophenyl-phenylether	7005-72-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitroso-di-n-propylamine	621-64-7	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pyrene	129-00-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	120-82-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	95-95-4	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	88-06-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toal SVOCs				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
Bolded results exceed NYS Ambient Water Quality Standards.
NR - No groundwater standard or guidance value available.
ND - Analyte not detected in Sample
NS - Not sampled
† - Applies to the sum total of these substances

Table 3-9
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-10M															
			Date NYS Water Quality Guidance Value	2/6/1997 µg/L	4/22/1997 µg/L	9/10/1997 µg/L	11/24/1997 µg/L	6/9/1998 µg/L	10/20/1998 µg/L	12/14/1999 µg/L	8/17/2000 µg/L	9/27/2001 µg/L	10/17/2002 µg/L	8/28/2003 µg/L	9/19/2004 µg/L	9/11/2005 µg/L	8/10/2006 µg/L	9/17/2007 µg/L	9/3/2008 µg/L
acenapthene	83-32-9		20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
acenapthylene	208-96-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
anthracene	120-12-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)anthracene	56-55-3		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)pyrene	50-32-8	>ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(b)fluoranthene	205-99-2		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(g,h,i)perylene	191-24-2	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(k)fluoranthene	207-08-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzyl alcohol	100-51-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
butly benzyl phthalate	85-68-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-butylphthalate	84-74-2	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbazole	86-74-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
indeno(1,2,3-cd)pyrene	193-39-5		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloroaniline	106-47-8	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(-2-chloroethoxy)methane	111-91-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethyl)ether	111-44-4	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloronapthalene	91-85-7		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chlorophenol	95-57-8	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis(1-chloropropane)	108-60-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chrysene	218-01-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzo(a,h)anthracene	55-70-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzofuran	132-64-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	95-50-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	541-73-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	106-46-7	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	120-83-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
diethylphthalate	84-66-2		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dimethyl phthalate	131-11-3		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	105-67-9		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	51-28-5		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	121-14-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	606-20-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl)phthalate	117-81-7	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluoranthene	206-44-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluorene	86-73-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobenzene	118-74-1	0.04		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobutadiene	87-68-3	0.5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorocyclopentadiene	77-47-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachloroethane	67-72-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
isophorone	78-59-1		50	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	ND
2-methylnapthalene	91-57-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylphenol	95-48-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-dinitro-2-methylphenol	534-52-1	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	59-50-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3- and 4-methylphenol	NA	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
napthalene	91-20-3		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitroaniline	88-74-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-nitroaniline	99-09-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitroaniline	100-01-6	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
nitrobenzene	98-95-3	0.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitrophenol	88-75-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitrophenol	100-02-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodimethylamine	62-75-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodiphenylamine	86-30-6		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-octyl phthalate	117-84-0		50	8.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachlorophenol	87-86-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenanthrene	85-01-8		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenol	108-95-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-bromophenyl-phenylether	101-55-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chlorophenyl-phenylether	7005-72-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitroso-di-n-propylamine	621-64-7	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pyrene	129-00-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	120-82-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	95-95-4	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	88-06-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toal SVOCs				8.7	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	ND

Notes:
Bolded results exceed NYS Ambient Water Quality Standards.
NR - No groundwater standard or guidance value available.
ND - Analyte not detected in Sample
NS - Not sampled
† - Applies to the sum total of these substances

Table 3-9
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID Date NYS Water Quality Guidance Value	MW-10M											
				9/14/2009	9/22/2010	8/23/2011	8/28/2012	9/12/2013	9/25/2014	9/21/2015	9/21/2016	9/6/2017	9/18/2018	9/8/2019	9/19/2021
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acenaphthene	83-32-9		20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
acenaphthylene	208-96-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
anthracene	120-12-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)anthracene	56-55-3		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)pyrene	50-32-8	>ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(b)fluoranthene	205-99-2		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(g,h,i)perylene	191-24-2	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(k)fluoranthene	207-08-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzyl alcohol	100-51-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
butly benzyl phthalate	85-68-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-butylphthalate	84-74-2	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbazole	86-74-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
indeno(1,2,3-cd)pyrene	193-39-5		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloroaniline	106-47-8	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(-2-chloroethoxy)methane	111-91-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethyl)ether	111-44-4	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloronapthalene	91-85-7		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chlorophenol	95-57-8	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis(1-chloropropane)	108-60-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chrysene	218-01-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzo(a,h)anthracene	55-70-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzofuran	132-64-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	95-50-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	541-73-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	106-46-7	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	120-83-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
diethylphthalate	84-66-2		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dimethyl phthalate	131-11-3		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	105-67-9		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	51-28-5		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	121-14-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	606-20-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl)phthalate	117-81-7	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluoranthene	206-44-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluorene	86-73-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobenzene	118-74-1	0.04		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobutadiene	87-68-3	0.5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorocyclopentadiene	77-47-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachloroethane	67-72-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
isophorone	78-59-1		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylnapthalene	91-57-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylphenol	95-48-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-dinitro-2-methylphenol	534-52-1	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	59-50-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3- and 4-methylphenol	NA	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
napthalene	91-20-3		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitroaniline	88-74-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-nitroaniline	99-09-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitroaniline	100-01-6	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
nitrobenzene	98-95-3	0.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitrophenol	88-75-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitrophenol	100-02-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodimethylamine	62-75-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodiphenylamine	86-30-6		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-octyl phthalate	117-84-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachlorophenol	87-86-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenanthrene	85-01-8		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenol	108-95-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-bromophenyl-phenylether	101-55-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chlorophenyl-phenylether	7005-72-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitroso-di-n-propylamine	621-64-7	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pyrene	129-00-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	120-82-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	95-95-4	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	88-06-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toal SVOCs				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
Bolded results exceed NYS Ambient Water Quality Standards.
NR - No groundwater standard or guidance value available.
ND - Analyte not detected in Sample
NS - Not sampled
† - Applies to the sum total of these substances

Table 3-9
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-10D															
			Date	2/7/1997	4/22/1997	9/10/1997	11/25/1997	6/10/1998	10/20/1998	12/14/1999	8/17/2000	9/27/2001	10/17/2002	8/28/2003	9/19/2004	9/11/2005	8/10/2006	9/17/2007	9/3/2008
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acenapthene	83-32-9		20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
acenapthylene	208-96-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
anthracene	120-12-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)anthracene	56-55-3		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)pyrene	50-32-8	>ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(b)fluoranthene	205-99-2		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(g,h,i)perylene	191-24-2	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(k)fluoranthene	207-08-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzyl alcohol	100-51-6	NR	NR	ND	ND	ND	ND	5.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
butly benzyl phthalate	85-68-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-butylphthalate	84-74-2	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbazole	86-74-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
indeno(1,2,3-cd)pyrene	193-39-5		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloroaniline	106-47-8	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(-2-chloroethoxy)methane	111-91-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethyl)ether	111-44-4	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloronapthalene	91-85-7		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chlorophenol	95-57-8	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis(1-chloropropane)	108-60-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chrysene	218-01-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzo(a,h)anthracene	55-70-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzofuran	132-64-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	95-50-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	541-73-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	106-46-7	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	120-83-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
diethylphthalate	84-66-2		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dimethyl phthalate	131-11-3		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	105-67-9		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	51-28-5		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	121-14-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	606-20-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl)phthalate	117-81-7	5		8.2	ND	ND	ND	ND	ND	40	ND	18	58	47	ND	ND	ND	ND	ND
fluoranthene	206-44-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluorene	86-73-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobenzene	118-74-1	0.04		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobutadiene	87-68-3	0.5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorocyclopentadiene	77-47-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachloroethane	67-72-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
isophorone	78-59-1		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylnapthalene	91-57-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylphenol	95-48-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-dinitro-2-methylphenol	534-52-1	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	59-50-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3- and 4-methylphenol	NA	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
napthalene	91-20-3		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitroaniline	88-74-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-nitroaniline	99-09-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitroaniline	100-01-6	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
nitrobenzene	98-95-3	0.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitrophenol	88-75-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitrophenol	100-02-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodimethylamine	62-75-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodiphenylamine	86-30-6		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-octyl phthalate	117-84-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachlorophenol	87-86-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenanthrene	85-01-8		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenol	108-95-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-bromophenyl-phenylether	101-55-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chlorophenyl-phenylether	7005-72-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitroso-di-n-propylamine	621-64-7	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pyrene	129-00-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	120-82-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	95-95-4	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	88-06-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toal SVOCs				8.2	ND	ND	ND	5.7	ND	40	ND	18	58	47	ND	ND	ND	ND	ND

Notes:
Bolded results exceed NYS Ambient Water Quality Standards.
NR - No groundwater standard or guidance value available.
ND - Analyte not detected in Sample
NS - Not sampled
† - Applies to the sum total of these substances

Table 3-9
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-10D											
			Date												
			NYS Water Quality Guidance Value	9/14/2009 µg/L	9/22/2010 µg/L	8/23/2011 µg/L	8/28/2012 µg/L	9/12/2013 µg/L	9/25/2014 µg/L	9/21/2015 µg/L	9/21/2016 µg/L	9/6/2017 µg/L	9/18/2018 µg/L	9/8/2019 µg/L	9/20/2021 µg/L
acenaphthene	83-32-9		20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
acenaphthylene	208-96-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
anthracene	120-12-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)anthracene	56-55-3		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)pyrene	50-32-8	>ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(b)fluoranthene	205-99-2		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(g,h,i)perylene	191-24-2	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(k)fluoranthene	207-08-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzyl alcohol	100-51-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
butly benzyl phthalate	85-68-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-butylphthalate	84-74-2	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbazole	86-74-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
indeno(1,2,3-cd)pyrene	193-39-5		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloroaniline	106-47-8	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(-2-chloroethoxy)methane	111-91-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethyl)ether	111-44-4	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloronapthalene	91-85-7		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chlorophenol	95-57-8	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis(1-chloropropane)	108-60-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chrysene	218-01-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzo(a,h)anthracene	55-70-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzofuran	132-64-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	95-50-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	541-73-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	106-46-7	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	120-83-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
diethylphthalate	84-66-2		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dimethyl phthalate	131-11-3		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	105-67-9		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	51-28-5		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	121-14-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	606-20-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl)phthalate	117-81-7	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluoranthene	206-44-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluorene	86-73-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobenzene	118-74-1	0.04		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobutadiene	87-68-3	0.5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorocyclopentadiene	77-47-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachloroethane	67-72-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
isophorone	78-59-1		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methlynapthalene	91-57-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylphenol	95-48-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-dinitro-2-methylphenol	534-52-1	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	59-50-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3- and 4-methylphenol	NA	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
napthalene	91-20-3		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitroaniline	88-74-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-nitroaniline	99-09-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitroaniline	100-01-6	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
nitrobenzene	98-95-3	0.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitrophenol	88-75-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitrophenol	100-02-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodimethylamine	62-75-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodiphenylamine	86-30-6		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-octyl phthalate	117-84-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachlorophenol	87-86-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenanthrene	85-01-8		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenol	108-95-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-bromophenyl-phenylether	101-55-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chlorophenyl-phenylether	7005-72-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitroso-di-n-propylamine	621-64-7	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pyrene	129-00-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	120-82-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	95-95-4	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	88-06-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toal SVOCs				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
Bolded results exceed NYS Ambient Water Quality Standards.
NR - No groundwater standard or guidance value available.
ND - Analyte not detected in Sample
NS - Not sampled
† - Applies to the sum total of these substances

Table 3-9
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



			Well ID	MW-115															
Analyte	CAS No.	NYS Water Quality Standard	Date	2/7/1997	4/22/1997	9/9/1997	11/25/1997	6/9/1998	10/20/1998	12/14/1999	8/17/2000	9/27/2001	10/17/2002	8/28/2003	9/19/2004	9/11/2005	8/10/2006	9/17/2007	9/3/2008
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acenapthene	83-32-9		20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
acenapthylene	208-96-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
anthracene	120-12-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)anthracene	56-55-3		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)pyrene	50-32-8	>ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(b)fluoranthene	205-99-2		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(g,h,i)perylene	191-24-2	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(k)fluoranthene	207-08-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzyl alcohol	100-51-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
butly benzyl phthalate	85-68-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-butylphthalate	84-74-2	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbazole	86-74-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
indeno(1,2,3-cd)pyrene	193-39-5		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloroaniline	106-47-8	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(-2-chloroethoxy)methane	111-91-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethyl)ether	111-44-4	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloronapthalene	91-85-7		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chlorophenol	95-57-8	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis(1-chloropropane)	108-60-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chrysene	218-01-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzo(a,h)anthracene	55-70-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzofuran	132-64-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	95-50-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	541-73-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	106-46-7	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	120-83-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
diethylphthalate	84-66-2		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dimethyl phthalate	131-11-3		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	105-67-9		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	51-28-5		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	121-14-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	606-20-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl)phthalate	117-81-7	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluoranthene	206-44-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluorene	86-73-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobenzene	118-74-1	0.04		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobutadiene	87-68-3	0.5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorocyclopentadiene	77-47-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachloroethane	67-72-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
isophorone	78-59-1		50	ND	ND	ND	ND	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	ND
2-methylnapthalene	91-57-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylphenol	95-48-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-dinitro-2-methylphenol	534-52-1	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	59-50-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3- and 4-methylphenol	NA	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
napthalene	91-20-3		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitroaniline	88-74-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-nitroaniline	99-09-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitroaniline	100-01-6	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
nitrobenzene	98-95-3	0.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitrophenol	88-75-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitrophenol	100-02-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodimethylamine	62-75-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodiphenylamine	86-30-6		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-octyl phthalate	117-84-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachlorophenol	87-86-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenanthrene	85-01-8		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenol	108-95-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-bromophenyl-phenylether	101-55-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chlorophenyl-phenylether	7005-72-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitroso-di-n-propylamine	621-64-7	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pyrene	129-00-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	120-82-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	95-95-4	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	88-06-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toal SVOCs				ND	ND	ND	ND	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	ND

Notes:
Bolded results exceed NYS Ambient Water Quality Standards.
NR - No groundwater standard or guidance value available.
ND - Analyte not detected in Sample
NS - Not sampled
† - Applies to the sum total of these substances

Table 3-9
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-115											
			Date												
			NYS Water Quality Guidance Value	9/14/2009 µg/L	9/22/2010 µg/L	8/23/2011 µg/L	8/28/2012 µg/L	9/12/2013 µg/L	9/25/2014 µg/L	9/21/2015 µg/L	9/21/2016 µg/L	9/6/2017 µg/L	9/18/2018 µg/L	9/8/2019 µg/L	9/20/2021 µg/L
acenaphthene	83-32-9		20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
acenaphthylene	208-96-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
anthracene	120-12-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)anthracene	56-55-3		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)pyrene	50-32-8	>ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(b)fluoranthene	205-99-2		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(g,h,i)perylene	191-24-2	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(k)fluoranthene	207-08-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzyl alcohol	100-51-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
butly benzyl phthalate	85-68-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-butylphthalate	84-74-2	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbazole	86-74-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
indeno(1,2,3-cd)pyrene	193-39-5		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloroaniline	106-47-8	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(-2-chloroethoxy)methane	111-91-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethyl)ether	111-44-4	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloronapthalene	91-85-7		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chlorophenol	95-57-8	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis(1-chloropropane)	108-60-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chrysene	218-01-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzo(a,h)anthracene	55-70-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzofuran	132-64-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	95-50-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	541-73-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	106-46-7	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	120-83-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
diethylphthalate	84-66-2		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dimethyl phthalate	131-11-3		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	105-67-9		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	51-28-5		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	121-14-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	606-20-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl)phthalate	117-81-7	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluoranthene	206-44-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluorene	86-73-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobenzene	118-74-1	0.04		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobutadiene	87-68-3	0.5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorocyclopentadiene	77-47-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachloroethane	67-72-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
isophorone	78-59-1		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methlynapthalene	91-57-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylphenol	95-48-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-dinitro-2-methylphenol	534-52-1	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	59-50-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3- and 4-methylphenol	NA	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
napthalene	91-20-3		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitroaniline	88-74-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-nitroaniline	99-09-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitroaniline	100-01-6	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
nitrobenzene	98-95-3	0.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitrophenol	88-75-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitrophenol	100-02-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodimethylamine	62-75-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodiphenylamine	86-30-6		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-octyl phthalate	117-84-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachlorophenol	87-86-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenanthrene	85-01-8		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenol	108-95-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-bromophenyl-phenylether	101-55-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chlorophenyl-phenylether	7005-72-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitroso-di-n-propylamine	621-64-7	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pyrene	129-00-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	120-82-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	95-95-4	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	88-06-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toal SVOCs				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
Bolded results exceed NYS Ambient Water Quality Standards.
NR - No groundwater standard or guidance value available.
ND - Analyte not detected in Sample
NS - Not sampled
† - Applies to the sum total of these substances

Table 3-9
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



			Well ID	MW-11M															
Analyte	CAS No.	NYS Water Quality Standard	Date	2/7/1997	4/22/1997	9/9/1997	11/25/1997	6/9/1998	10/20/1998	12/14/1999	8/17/2000	9/27/2001	10/17/2002	8/28/2003	9/19/2004	9/11/2005	8/10/2006	9/17/2007	9/3/2008
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acenapthene	83-32-9		20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
acenapthylene	208-96-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
anthracene	120-12-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)anthracene	56-55-3		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)pyrene	50-32-8	>ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(b)fluoranthene	205-99-2		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(g,h,i)perylene	191-24-2	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(k)fluoranthene	207-08-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzyl alcohol	100-51-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
butly benzyl phthalate	85-68-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-butylphthalate	84-74-2	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbazole	86-74-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
indeno(1,2,3-cd)pyrene	193-39-5		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloroaniline	106-47-8	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(-2-chloroethoxy)methane	111-91-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethyl)ether	111-44-4	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloronapthalene	91-85-7		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chlorophenol	95-57-8	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis(1-chloropropane)	108-60-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chrysene	218-01-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzo(a,h)anthracene	55-70-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzofuran	132-64-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	95-50-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	541-73-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	106-46-7	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	120-83-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
diethylphthalate	84-66-2		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dimethyl phthalate	131-11-3		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	105-67-9		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	51-28-5		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	121-14-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	606-20-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl)phthalate	117-81-7	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	59	25	47	ND	24	ND	ND
fluoranthene	206-44-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluorene	86-73-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobenzene	118-74-1	0.04		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobutadiene	87-68-3	0.5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorocyclopentadiene	77-47-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachloroethane	67-72-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
isophorone	78-59-1		50	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	ND
2-methylnapthalene	91-57-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylphenol	95-48-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-dinitro-2-methylphenol	534-52-1	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	59-50-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3- and 4-methylphenol	NA	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
napthalene	91-20-3		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitroaniline	88-74-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-nitroaniline	99-09-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitroaniline	100-01-6	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
nitrobenzene	98-95-3	0.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitrophenol	88-75-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitrophenol	100-02-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodimethylamine	62-75-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodiphenylamine	86-30-6		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-octyl phthalate	117-84-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachlorophenol	87-86-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenanthrene	85-01-8		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenol	108-95-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-bromophenyl-phenylether	101-55-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chlorophenyl-phenylether	7005-72-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitroso-di-n-propylamine	621-64-7	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pyrene	129-00-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	120-82-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	95-95-4	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	88-06-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toal SVOCs				ND	ND	ND	ND	ND	ND	ND	ND	11	59	25	47	ND	24	ND	ND

Notes:
Bolded results exceed NYS Ambient Water Quality Standards.
NR - No groundwater standard or guidance value available.
ND - Analyte not detected in Sample
NS - Not sampled
† - Applies to the sum total of these substances

Table 3-9
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-11M											
			Date												
			NYS Water Quality Guidance Value	9/14/2009 µg/L	9/22/2010 µg/L	8/23/2011 µg/L	8/28/2012 µg/L	9/12/2013 µg/L	9/25/2014 µg/L	9/21/2015 µg/L	9/21/2016 µg/L	9/6/2017 µg/L	9/18/2018 µg/L	9/8/2019 µg/L	9/20/2021 µg/L
acenaphthene	83-32-9		20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
acenaphthylene	208-96-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
anthracene	120-12-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)anthracene	56-55-3		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)pyrene	50-32-8	>ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(b)fluoranthene	205-99-2		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(g,h,i)perylene	191-24-2	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(k)fluoranthene	207-08-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzyl alcohol	100-51-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
butly benzyl phthalate	85-68-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-butylphthalate	84-74-2	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbazole	86-74-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
indeno(1,2,3-cd)pyrene	193-39-5		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloroaniline	106-47-8	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(-2-chloroethoxy)methane	111-91-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethyl)ether	111-44-4	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloronapthalene	91-85-7		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chlorophenol	95-57-8	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis(1-chloropropane)	108-60-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chrysene	218-01-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzo(a,h)anthracene	55-70-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzofuran	132-64-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	95-50-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	541-73-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	106-46-7	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	120-83-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
diethylphthalate	84-66-2		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dimethyl phthalate	131-11-3		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	105-67-9		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	51-28-5		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	121-14-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	606-20-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl)phthalate	117-81-7	5		ND	ND	ND	ND	ND	50	ND	ND	ND	ND	ND	ND
fluoranthene	206-44-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluorene	86-73-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobenzene	118-74-1	0.04		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobutadiene	87-68-3	0.5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorocyclopentadiene	77-47-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachloroethane	67-72-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
isophorone	78-59-1		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methlynapthalene	91-57-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylphenol	95-48-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-dinitro-2-methylphenol	534-52-1	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	59-50-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3- and 4-methylphenol	NA	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
napthalene	91-20-3		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitroaniline	88-74-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-nitroaniline	99-09-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitroaniline	100-01-6	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
nitrobenzene	98-95-3	0.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitrophenol	88-75-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitrophenol	100-02-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodimethylamine	62-75-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodiphenylamine	86-30-6		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-octyl phthalate	117-84-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachlorophenol	87-86-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenanthrene	85-01-8		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenol	108-95-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-bromophenyl-phenylether	101-55-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chlorophenyl-phenylether	7005-72-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitroso-di-n-propylamine	621-64-7	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pyrene	129-00-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	120-82-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	95-95-4	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	88-06-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toal SVOCs				ND	ND	ND	ND	ND	50	ND	ND	ND	ND	ND	ND

Notes:
Bolded results exceed NYS Ambient Water Quality Standards.
NR - No groundwater standard or guidance value available.
ND - Analyte not detected in Sample
NS - Not sampled
† - Applies to the sum total of these substances

Table 3-9
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-12S															
			Date	2/6/1997	4/22/1997	9/9/1997	11/24/1997	6/9/1998	10/20/1998	12/14/1999	8/17/2000	9/27/2001	10/17/2002	8/28/2003	9/19/2004	9/11/2005	8/10/2006	9/17/2007	9/3/2008
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acenaphthene	83-32-9		20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
acenaphthylene	208-96-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
anthracene	120-12-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)anthracene	56-55-3		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)pyrene	50-32-8	>ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(b)fluoranthene	205-99-2		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(g,h,i)perylene	191-24-2	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(k)fluoranthene	207-08-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzyl alcohol	100-51-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
butyl benzyl phthalate	85-68-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-butylphthalate	84-74-2	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbazole	86-74-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
indeno(1,2,3-cd)pyrene	193-39-5		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloroaniline	106-47-8	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	111-91-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethyl)ether	111-44-4	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloronaphthalene	91-85-7		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chlorophenol	95-57-8	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis(1-chloropropane)	108-60-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chrysene	218-01-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzo(a,h)anthracene	55-70-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzofuran	132-64-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	95-50-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	541-73-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	106-46-7	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	120-83-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
diethylphthalate	84-66-2		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dimethyl phthalate	131-11-3		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	105-67-9		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	51-28-5		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	121-14-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	606-20-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl)phthalate	117-81-7	5		ND	ND	17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluoranthene	206-44-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluorene	86-73-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobenzene	118-74-1	0.04		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobutadiene	87-68-3	0.5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorocyclopentadiene	77-47-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachloroethane	67-72-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
isophorone	78-59-1		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylnapthalene	91-57-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylphenol	95-48-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-dinitro-2-methylphenol	534-52-1	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	59-50-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3- and 4-methylphenol	NA	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
napthalene	91-20-3		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitroaniline	88-74-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-nitroaniline	99-09-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitroaniline	100-01-6	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
nitrobenzene	98-95-3	0.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitrophenol	88-75-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitrophenol	100-02-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodimethylamine	62-75-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodiphenylamine	86-30-6		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-octyl phthalate	117-84-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachlorophenol	87-86-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenanthrene	85-01-8		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenol	108-95-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-bromophenyl-phenylether	101-55-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chlorophenyl-phenylether	7005-72-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitroso-di-n-propylamine	621-64-7	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pyrene	129-00-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	120-82-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	95-95-4	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	88-06-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs				ND	ND	17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
Bolded results exceed NYS Ambient Water Quality Standards.
NR - No groundwater standard or guidance value available.
ND - Analyte not detected in Sample
NS - Not sampled
† - Applies to the sum total of these substances

Table 3-9
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-125											
			Date												
			NYS Water Quality Guidance Value	9/14/2009 µg/L	9/22/2010 µg/L	8/23/2011 µg/L	8/28/2012 µg/L	9/12/2013 µg/L	9/25/2014 µg/L	9/21/2015 µg/L	9/21/2016 µg/L	9/6/2017 µg/L	9/18/2018 µg/L	9/8/2019 µg/L	9/20/2021 µg/L
acenaphthene	83-32-9		20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
acenaphthylene	208-96-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
anthracene	120-12-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)anthracene	56-55-3		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)pyrene	50-32-8	>ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(b)fluoranthene	205-99-2		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(g,h,i)perylene	191-24-2	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(k)fluoranthene	207-08-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzyl alcohol	100-51-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
butly benzyl phthalate	85-68-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-butylphthalate	84-74-2	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbazole	86-74-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
indeno(1,2,3-cd)pyrene	193-39-5		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloroaniline	106-47-8	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(-2-chloroethoxy)methane	111-91-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethyl)ether	111-44-4	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloronapthalene	91-85-7		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chlorophenol	95-57-8	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis(1-chloropropane)	108-60-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chrysene	218-01-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzo(a,h)anthracene	55-70-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzofuran	132-64-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	95-50-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	541-73-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	106-46-7	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	120-83-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
diethylphthalate	84-66-2		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dimethyl phthalate	131-11-3		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	105-67-9		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	51-28-5		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	121-14-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	606-20-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl)phthalate	117-81-7	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluoranthene	206-44-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluorene	86-73-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobenzene	118-74-1	0.04		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobutadiene	87-68-3	0.5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorocyclopentadiene	77-47-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachloroethane	67-72-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
isophorone	78-59-1		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methlynapthalene	91-57-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylphenol	95-48-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-dinitro-2-methylphenol	534-52-1	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	59-50-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3- and 4-methylphenol	NA	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
napthalene	91-20-3		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitroaniline	88-74-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-nitroaniline	99-09-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitroaniline	100-01-6	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
nitrobenzene	98-95-3	0.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitrophenol	88-75-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitrophenol	100-02-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodimethylamine	62-75-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodiphenylamine	86-30-6		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-octyl phthalate	117-84-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachlorophenol	87-86-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenanthrene	85-01-8		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenol	108-95-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-bromophenyl-phenylether	101-55-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chlorophenyl-phenylether	7005-72-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitroso-di-n-propylamine	621-64-7	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pyrene	129-00-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	120-82-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	95-95-4	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	88-06-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toal SVOCs				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
Bolded results exceed NYS Ambient Water Quality Standards.
NR - No groundwater standard or guidance value available.
ND - Analyte not detected in Sample
NS - Not sampled
† - Applies to the sum total of these substances

Table 3-9
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



			Well ID	MW-12M																
Analyte	CAS No.	NYS Water Quality Standard	Date	2/6/1997	4/22/1997	9/9/1997	11/24/1997	6/10/1998	10/20/1998	12/14/1999	8/17/2000	9/27/2001	10/17/2002	8/28/2003	9/19/2004	9/11/2005	8/10/2006	9/17/2007	9/3/2008	
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acenapthene	83-32-9		20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
acenapthylene	208-96-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
anthracene	120-12-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
benzo(a)anthracene	56-55-3		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
benzo(a)pyrene	50-32-8	>ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
benzo(b)fluoranthene	205-99-2		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
benzo(g,h,i)perylene	191-24-2	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
benzo(k)fluoranthene	207-08-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
benzyl alcohol	100-51-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
butly benzyl phthalate	85-68-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
di-n-butylphthalate	84-74-2	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
carbazole	86-74-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
indeno(1,2,3-cd)pyrene	193-39-5		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-chloroaniline	106-47-8	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
bis(-2-chloroethoxy)methane	111-91-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
bis(2-chloroethyl)ether	111-44-4	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-chloronapthalene	91-85-7		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-chlorophenol	95-57-8	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,2'-oxybis(1-chloropropane)	108-60-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
chrysene	218-01-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
dibenzo(a,h)anthracene	55-70-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
dibenzofuran	132-64-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-dichlorobenzene	95-50-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,3-dichlorobenzene	541-73-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,4-dichlorobenzene	106-46-7	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
3,3'-dichlorobenzidine	91-94-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4-dichlorophenol	120-83-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
diethylphthalate	84-66-2		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
dimethyl phthalate	131-11-3		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4-dimethylphenol	105-67-9		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4-dinitrophenol	51-28-5		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4-dinitrotoluene	121-14-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,6-dinitrotoluene	606-20-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
bis(2-ethylhexyl)phthalate	117-81-7	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
fluoranthene	206-44-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
fluorene	86-73-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
hexachlorobenzene	118-74-1	0.04		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
hexachlorobutadiene	87-68-3	0.5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
hexachlorocyclopentadiene	77-47-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
hexachloroethane	67-72-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
isophorone	78-59-1		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-methlynapthalene	91-57-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-methylphenol	95-48-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4,6-dinitro-2-methylphenol	534-52-1	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-chloro-3-methylphenol	59-50-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
3- and 4-methylphenol	NA	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
napthalene	91-20-3		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-nitroaniline	88-74-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
3-nitroaniline	99-09-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-nitroaniline	100-01-6	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
nitrobenzene	98-95-3	0.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-nitrophenol	88-75-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-nitrophenol	100-02-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
n-nitrosodimethylamine	62-75-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
n-nitrosodiphenylamine	86-30-6		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
di-n-octyl phthalate	117-84-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
pentachlorophenol	87-86-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
phenanthrene	85-01-8		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
phenol	108-95-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-bromophenyl-phenylether	101-55-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-chlorophenyl-phenylether	7005-72-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
n-nitroso-di-n-propylamine	621-64-7	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
pyrene	129-00-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2,4-trichlorobenzene	120-82-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4,5-trichlorophenol	95-95-4	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4,6-trichlorophenol	88-06-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Toal SVOCs					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

Notes:
Bolded results exceed NYS Ambient Water Quality Standards.
NR - No groundwater standard or guidance value available.
ND - Analyte not detected in Sample
NS - Not sampled
† - Applies to the sum total of these substances

Table 3-9
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-12M											
			Date												
			NYS Water Quality Guidance Value	9/14/2009 µg/L	9/22/2010 µg/L	8/23/2011 µg/L	8/28/2012 µg/L	9/12/2013 µg/L	9/25/2014 µg/L	9/21/2015 µg/L	9/21/2016 µg/L	9/6/2017 µg/L	9/18/2018 µg/L	9/8/2019 µg/L	9/20/2021 µg/L
acenaphthene	83-32-9		20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
acenaphthylene	208-96-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
anthracene	120-12-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)anthracene	56-55-3		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)pyrene	50-32-8	>ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(b)fluoranthene	205-99-2		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(g,h,i)perylene	191-24-2	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(k)fluoranthene	207-08-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzyl alcohol	100-51-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
butyl benzyl phthalate	85-68-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-butylphthalate	84-74-2	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbazole	86-74-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
indeno(1,2,3-cd)pyrene	193-39-5		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloroaniline	106-47-8	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(-2-chloroethoxy)methane	111-91-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethyl)ether	111-44-4	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloronaphthalene	91-85-7		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chlorophenol	95-57-8	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis(1-chloropropane)	108-60-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chrysene	218-01-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzo(a,h)anthracene	55-70-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzofuran	132-64-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	95-50-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	541-73-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	106-46-7	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	120-83-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
diethylphthalate	84-66-2		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dimethyl phthalate	131-11-3		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	105-67-9		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	51-28-5		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	121-14-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	606-20-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl)phthalate	117-81-7	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	120	ND
fluoranthene	206-44-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluorene	86-73-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobenzene	118-74-1	0.04		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobutadiene	87-68-3	0.5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorocyclopentadiene	77-47-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachloroethane	67-72-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
isophorone	78-59-1		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylnapthalene	91-57-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylphenol	95-48-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-dinitro-2-methylphenol	534-52-1	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	59-50-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3- and 4-methylphenol	NA	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
napthalene	91-20-3		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitroaniline	88-74-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-nitroaniline	99-09-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitroaniline	100-01-6	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
nitrobenzene	98-95-3	0.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitrophenol	88-75-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitrophenol	100-02-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodimethylamine	62-75-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodiphenylamine	86-30-6		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-octyl phthalate	117-84-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachlorophenol	87-86-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenanthrene	85-01-8		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenol	108-95-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-bromophenyl-phenylether	101-55-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chlorophenyl-phenylether	7005-72-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitroso-di-n-propylamine	621-64-7	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pyrene	129-00-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	120-82-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	95-95-4	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	88-06-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toal SVOCs				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	120	ND

Notes:
Bolded results exceed NYS Ambient Water Quality Standards.
NR - No groundwater standard or guidance value available.
ND - Analyte not detected in Sample
NS - Not sampled
† - Applies to the sum total of these substances

Table 3-9
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



			Well ID	MW-12D															
Analyte	CAS No.	NYS Water Quality Standard	Date	2/6/1997	4/22/1997	9/9/1997	11/24/1997	6/9/1998	10/20/1998	12/14/1999	8/17/2000	9/27/2001	10/17/2002	8/28/2003	9/19/2004	9/11/2005	8/10/2006	9/17/2007	9/3/2008
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acenapthene	83-32-9		20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
acenapthylene	208-96-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
anthracene	120-12-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)anthracene	56-55-3		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)pyrene	50-32-8	>ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(b)fluoranthene	205-99-2		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(g,h,i)perylene	191-24-2	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(k)fluoranthene	207-08-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzyl alcohol	100-51-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
butly benzyl phthalate	85-68-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-butylphthalate	84-74-2	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbazole	86-74-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
indeno(1,2,3-cd)pyrene	193-39-5		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloroaniline	106-47-8	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(-2-chloroethoxy)methane	111-91-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethyl)ether	111-44-4	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloronapthalene	91-85-7		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chlorophenol	95-57-8	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis(1-chloropropane)	108-60-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chrysene	218-01-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzo(a,h)anthracene	55-70-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzofuran	132-64-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	95-50-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	541-73-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	106-46-7	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	120-83-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
diethylphthalate	84-66-2		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dimethyl phthalate	131-11-3		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	105-67-9		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	51-28-5		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	121-14-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	606-20-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl)phthalate	117-81-7	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	17	13	11	ND	ND	ND	ND
fluoranthene	206-44-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluorene	86-73-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobenzene	118-74-1	0.04		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobutadiene	87-68-3	0.5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorocyclopentadiene	77-47-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachloroethane	67-72-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
isophorone	78-59-1		50	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	ND
2-methylnapthalene	91-57-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylphenol	95-48-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-dinitro-2-methylphenol	534-52-1	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	59-50-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3- and 4-methylphenol	NA	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
napthalene	91-20-3		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitroaniline	88-74-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-nitroaniline	99-09-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitroaniline	100-01-6	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
nitrobenzene	98-95-3	0.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitrophenol	88-75-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitrophenol	100-02-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodimethylamine	62-75-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodiphenylamine	86-30-6		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-octyl phthalate	117-84-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachlorophenol	87-86-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenanthrene	85-01-8		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenol	108-95-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-bromophenyl-phenylether	101-55-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chlorophenyl-phenylether	7005-72-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitroso-di-n-propylamine	621-64-7	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pyrene	129-00-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	120-82-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	95-95-4	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	88-06-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toal SVOCs				ND	ND	ND	ND	ND	ND	ND	ND	11	17	13	11	ND	ND	ND	ND

Notes:
Bolded results exceed NYS Ambient Water Quality Standards.
NR - No groundwater standard or guidance value available.
ND - Analyte not detected in Sample
NS - Not sampled
† - Applies to the sum total of these substances

Table 3-9
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-12D											
			Date												
			NYS Water Quality Guidance Value	9/14/2009 µg/L	9/22/2010 µg/L	8/23/2011 µg/L	8/28/2012 µg/L	9/12/2013 µg/L	9/25/2014 µg/L	9/21/2015 µg/L	9/21/2016 µg/L	9/6/2017 µg/L	9/18/2018 µg/L	9/8/2019 µg/L	9/20/2021 µg/L
acenaphthene	83-32-9		20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
acenaphthylene	208-96-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
anthracene	120-12-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)anthracene	56-55-3		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)pyrene	50-32-8	>ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(b)fluoranthene	205-99-2		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(g,h,i)perylene	191-24-2	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(k)fluoranthene	207-08-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzyl alcohol	100-51-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
butly benzyl phthalate	85-68-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-butylphthalate	84-74-2	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbazole	86-74-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
indeno(1,2,3-cd)pyrene	193-39-5		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloroaniline	106-47-8	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(-2-chloroethoxy)methane	111-91-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethyl)ether	111-44-4	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloronapthalene	91-85-7		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chlorophenol	95-57-8	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis(1-chloropropane)	108-60-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chrysene	218-01-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzo(a,h)anthracene	55-70-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzofuran	132-64-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	95-50-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	541-73-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	106-46-7	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	120-83-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
diethylphthalate	84-66-2		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dimethyl phthalate	131-11-3		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	105-67-9		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	51-28-5		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	121-14-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	606-20-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl)phthalate	117-81-7	5		ND	ND	ND	ND	ND	22	ND	ND	ND	ND	ND	ND
fluoranthene	206-44-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluorene	86-73-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobenzene	118-74-1	0.04		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobutadiene	87-68-3	0.5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorocyclopentadiene	77-47-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachloroethane	67-72-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
isophorone	78-59-1		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methlynapthalene	91-57-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylphenol	95-48-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-dinitro-2-methylphenol	534-52-1	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	59-50-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3- and 4-methylphenol	NA	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
napthalene	91-20-3		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitroaniline	88-74-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-nitroaniline	99-09-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitroaniline	100-01-6	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
nitrobenzene	98-95-3	0.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitrophenol	88-75-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitrophenol	100-02-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodimethylamine	62-75-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodiphenylamine	86-30-6		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-octyl phthalate	117-84-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachlorophenol	87-86-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenanthrene	85-01-8		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenol	108-95-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-bromophenyl-phenylether	101-55-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chlorophenyl-phenylether	7005-72-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitroso-di-n-propylamine	621-64-7	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pyrene	129-00-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	120-82-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	95-95-4	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	88-06-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toal SVOCs				ND	ND	ND	ND	ND	22	ND	ND	ND	ND	ND	ND

Notes:
Bolded results exceed NYS Ambient Water Quality Standards.
NR - No groundwater standard or guidance value available.
ND - Analyte not detected in Sample
NS - Not sampled
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Table 3-9
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



			Well ID	MW-135															
Analyte	CAS No.	NYS Water Quality Standard	Date NYS Water Quality Guidance Value	2/6/1997 µg/L	4/22/1997 µg/L	9/9/1997 µg/L	11/24/1997 µg/L	6/10/1998 µg/L	10/20/1998 µg/L	12/14/1999 µg/L	8/17/2000 µg/L	9/27/2001 µg/L	10/17/2002 µg/L	8/28/2003 µg/L	9/19/2004 µg/L	9/11/2005 µg/L	8/10/2006 µg/L	9/17/2007 µg/L	9/3/2008 µg/L
acenapthene	83-32-9		20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
acenapthylene	208-96-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
anthracene	120-12-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)anthracene	56-55-3		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)pyrene	50-32-8	>ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(b)fluoranthene	205-99-2		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(g,h,i)perylene	191-24-2	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(k)fluoranthene	207-08-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzyl alcohol	100-51-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
butly benzyl phthalate	85-68-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-butylphthalate	84-74-2	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbazole	86-74-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
indeno(1,2,3-cd)pyrene	193-39-5		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloroaniline	106-47-8	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(-2-chloroethoxy)methane	111-91-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethyl)ether	111-44-4	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloronapthalene	91-85-7		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chlorophenol	95-57-8	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis(1-chloropropane)	108-60-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chrysene	218-01-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzo(a,h)anthracene	55-70-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzofuran	132-64-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	95-50-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	541-73-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	106-46-7	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	120-83-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
diethylphthalate	84-66-2		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dimethyl phthalate	131-11-3		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	105-67-9		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	51-28-5		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	121-14-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	606-20-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl)phthalate	117-81-7	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluoranthene	206-44-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluorene	86-73-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobenzene	118-74-1	0.04		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobutadiene	87-68-3	0.5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorocyclopentadiene	77-47-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachloroethane	67-72-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
isophorone	78-59-1		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylnapthalene	91-57-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylphenol	95-48-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-dinitro-2-methylphenol	534-52-1	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	59-50-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3- and 4-methylphenol	NA	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
napthalene	91-20-3		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitroaniline	88-74-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-nitroaniline	99-09-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitroaniline	100-01-6	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
nitrobenzene	98-95-3	0.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitrophenol	88-75-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitrophenol	100-02-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodimethylamine	62-75-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodiphenylamine	86-30-6		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-octyl phthalate	117-84-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachlorophenol	87-86-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenanthrene	85-01-8		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenol	108-95-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-bromophenyl-phenylether	101-55-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chlorophenyl-phenylether	7005-72-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitroso-di-n-propylamine	621-64-7	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pyrene	129-00-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	120-82-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	95-95-4	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	88-06-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toal SVOCs				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
Bolded results exceed NYS Ambient Water Quality Standards.
NR - No groundwater standard or guidance value available.
ND - Analyte not detected in Sample
NS - Not sampled
† - Applies to the sum total of these substances

Table 3-9
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-135											
			Date												
			NYS Water Quality Guidance Value	9/14/2009 µg/L	9/22/2010 µg/L	8/23/2011 µg/L	8/28/2012 µg/L	9/12/2013 µg/L	9/25/2014 µg/L	9/21/2015 µg/L	9/21/2016 µg/L	9/6/2017 µg/L	9/18/2018 µg/L	9/8/2019 µg/L	9/20/2021 µg/L
acenaphthene	83-32-9		20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
acenaphthylene	208-96-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
anthracene	120-12-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)anthracene	56-55-3		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)pyrene	50-32-8	>ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(b)fluoranthene	205-99-2		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(g,h,i)perylene	191-24-2	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(k)fluoranthene	207-08-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzyl alcohol	100-51-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
butly benzyl phthalate	85-68-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-butylphthalate	84-74-2	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbazole	86-74-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
indeno(1,2,3-cd)pyrene	193-39-5		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloroaniline	106-47-8	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(-2-chloroethoxy)methane	111-91-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethyl)ether	111-44-4	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloronapthalene	91-85-7		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chlorophenol	95-57-8	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis(1-chloropropane)	108-60-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chrysene	218-01-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzo(a,h)anthracene	55-70-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzofuran	132-64-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	95-50-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	541-73-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	106-46-7	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	120-83-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
diethylphthalate	84-66-2		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dimethyl phthalate	131-11-3		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	105-67-9		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	51-28-5		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	121-14-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	606-20-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl)phthalate	117-81-7	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND	ND
fluoranthene	206-44-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluorene	86-73-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobenzene	118-74-1	0.04		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobutadiene	87-68-3	0.5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorocyclopentadiene	77-47-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachloroethane	67-72-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
isophorone	78-59-1		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methlynapthalene	91-57-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylphenol	95-48-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-dinitro-2-methylphenol	534-52-1	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	59-50-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3- and 4-methylphenol	NA	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
napthalene	91-20-3		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitroaniline	88-74-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-nitroaniline	99-09-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitroaniline	100-01-6	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
nitrobenzene	98-95-3	0.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitrophenol	88-75-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitrophenol	100-02-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodimethylamine	62-75-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodiphenylamine	86-30-6		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-octyl phthalate	117-84-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachlorophenol	87-86-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenanthrene	85-01-8		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenol	108-95-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-bromophenyl-phenylether	101-55-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chlorophenyl-phenylether	7005-72-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitroso-di-n-propylamine	621-64-7	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pyrene	129-00-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	120-82-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	95-95-4	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	88-06-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toal SVOCs				ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND	ND

Notes:
Bolded results exceed NYS Ambient Water Quality Standards.
NR - No groundwater standard or guidance value available.
ND - Analyte not detected in Sample
NS - Not sampled
† - Applies to the sum total of these substances

Table 3-9
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



			Well ID	MW-13M																
Analyte	CAS No.	NYS Water Quality Standard	Date	2/7/1997	4/22/1997	9/9/1997	11/24/1997	6/10/1998	10/20/1998	12/14/1999	8/17/2000	9/27/2001	10/17/2002	8/28/2003	9/19/2004	9/11/2005	8/10/2006	9/17/2007	9/3/2008	
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acenapthene	83-32-9		20	21	ND	8.8	ND	5.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
acenapthylene	208-96-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
anthracene	120-12-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
benzo(a)anthracene	56-55-3		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
benzo(a)pyrene	50-32-8	>ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
benzo(b)fluoranthene	205-99-2		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
benzo(g,h,i)perylene	191-24-2	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
benzo(k)fluoranthene	207-08-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
benzyl alcohol	100-51-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
butly benzyl phthalate	85-68-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
di-n-butylphthalate	84-74-2	50		ND	ND	5.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
carbazole	86-74-8	NR	NR	5.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
indeno(1,2,3-cd)pyrene	193-39-5		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-chloroaniline	106-47-8	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
bis(-2-chloroethoxy)methane	111-91-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
bis(2-chloroethyl)ether	111-44-4	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-chloronapthalene	91-85-7		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-chlorophenol	95-57-8	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,2'-oxybis(1-chloropropane)	108-60-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
chrysene	218-01-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
dibenzo(a,h)anthracene	55-70-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
dibenzofuran	132-64-9	NR	NR	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-dichlorobenzene	95-50-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,3-dichlorobenzene	541-73-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,4-dichlorobenzene	106-46-7	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
3,3'-dichlorobenzidine	91-94-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4-dichlorophenol	120-83-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
diethylphthalate	84-66-2		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
dimethyl phthalate	131-11-3		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4-dimethylphenol	105-67-9		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4-dinitrophenol	51-28-5		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4-dinitrotoluene	121-14-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,6-dinitrotoluene	606-20-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
bis(2-ethylhexyl)phthalate	117-81-7	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
fluoranthene	206-44-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
fluorene	86-73-7		50	16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
hexachlorobenzene	118-74-1	0.04		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
hexachlorobutadiene	87-68-3	0.5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
hexachlorocyclopentadiene	77-47-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
hexachloroethane	67-72-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
isophorone	78-59-1		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-methlynapthalene	91-57-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-methylphenol	95-48-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4,6-dinitro-2-methylphenol	534-52-1	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-chloro-3-methylphenol	59-50-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
3- and 4-methylphenol	NA	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
napthalene	91-20-3		10	19	ND	8.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-nitroaniline	88-74-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
3-nitroaniline	99-09-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-nitroaniline	100-01-6	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
nitrobenzene	98-95-3	0.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-nitrophenol	88-75-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-nitrophenol	100-02-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
n-nitrosodimethylamine	62-75-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
n-nitrosodiphenylamine	86-30-6		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
di-n-octyl phthalate	117-84-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
pentachlorophenol	87-86-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
phenanthrene	85-01-8		50	19	ND	7.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
phenol	108-95-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-bromophenyl-phenylether	101-55-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-chlorophenyl-phenylether	7005-72-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
n-nitroso-di-n-propylamine	621-64-7	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
pyrene	129-00-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2,4-trichlorobenzene	120-82-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4,5-trichlorophenol	95-95-4	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4,6-trichlorophenol	88-06-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Toal SVOCs					93.1	ND	30.7	ND	5.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

Notes:
Bolded results exceed NYS Ambient Water Quality Standards.
NR - No groundwater standard or guidance value available.
ND - Analyte not detected in Sample
NS - Not sampled
† - Applies to the sum total of these substances

Table 3-9
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-13M											
			Date	9/14/2009	9/22/2010	8/23/2011	8/28/2012	9/12/2013	9/25/2014	9/21/2015	9/21/2016	9/6/2017	9/18/2018	9/8/2019	9/20/2021
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acenaphthene	83-32-9		20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
acenaphthylene	208-96-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
anthracene	120-12-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)anthracene	56-55-3		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)pyrene	50-32-8	>ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(b)fluoranthene	205-99-2		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(g,h,i)perylene	191-24-2	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(k)fluoranthene	207-08-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzyl alcohol	100-51-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
butyl benzyl phthalate	85-68-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-butylphthalate	84-74-2	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbazole	86-74-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
indeno(1,2,3-cd)pyrene	193-39-5		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloroaniline	106-47-8	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(-2-chloroethoxy)methane	111-91-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethyl)ether	111-44-4	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloronaphthalene	91-85-7		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chlorophenol	95-57-8	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis(1-chloropropane)	108-60-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chrysene	218-01-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzo(a,h)anthracene	55-70-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzofuran	132-64-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	95-50-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	541-73-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	106-46-7	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	120-83-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
diethylphthalate	84-66-2		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dimethyl phthalate	131-11-3		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	105-67-9		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	51-28-5		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	121-14-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	606-20-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl)phthalate	117-81-7	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluoranthene	206-44-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluorene	86-73-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobenzene	118-74-1	0.04		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobutadiene	87-68-3	0.5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorocyclopentadiene	77-47-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachloroethane	67-72-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
isophorone	78-59-1		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylnapthalene	91-57-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylphenol	95-48-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-dinitro-2-methylphenol	534-52-1	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	59-50-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3- and 4-methylphenol	NA	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
napthalene	91-20-3		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitroaniline	88-74-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-nitroaniline	99-09-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitroaniline	100-01-6	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
nitrobenzene	98-95-3	0.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitrophenol	88-75-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitrophenol	100-02-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodimethylamine	62-75-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodiphenylamine	86-30-6		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-octyl phthalate	117-84-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachlorophenol	87-86-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenanthrene	85-01-8		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenol	108-95-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-bromophenyl-phenylether	101-55-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chlorophenyl-phenylether	7005-72-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitroso-di-n-propylamine	621-64-7	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pyrene	129-00-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	120-82-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	95-95-4	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	88-06-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toal SVOCs				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
Bolded results exceed NYS Ambient Water Quality Standards.
NR - No groundwater standard or guidance value available.
ND - Analyte not detected in Sample
NS - Not sampled
† - Applies to the sum total of these substances

Table 3-9
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-14S															
			Date	2/7/1997	4/22/1997	9/9/1997	11/24/1997	6/9/1998	10/20/1998	12/14/1999	8/17/2000	9/27/2001	10/17/2002	8/28/2003	9/19/2004	9/11/2005	8/10/2006	9/17/2007	9/3/2008
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acenapthene	83-32-9		20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS*	ND	ND	ND	ND	ND
acenapthylene	208-96-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS*	ND	ND	ND	ND	ND
anthracene	120-12-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS*	ND	ND	ND	ND	ND
benzo(a)anthracene	56-55-3		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS*	ND	ND	ND	ND	ND
benzo(a)pyrene	50-32-8	>ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS*	ND	ND	ND	ND	ND
benzo(b)fluoranthene	205-99-2		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS*	ND	ND	ND	ND	ND
benzo(g,h,i)perylene	191-24-2	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
benzo(k)fluoranthene	207-08-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
benzyl alcohol	100-51-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
butly benzyl phthalate	85-68-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
di-n-butylphthalate	84-74-2	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
carbazole	86-74-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
indeno(1,2,3-cd)pyrene	193-39-5		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
4-chloroaniline	106-47-8	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
bis(-2-chloroethoxy)methane	111-91-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
bis(2-chloroethyl)ether	111-44-4	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
2-chloronapthalene	91-85-7		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
2-chlorophenol	95-57-8	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
2,2'-oxybis(1-chloropropane)	108-60-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
chrysene	218-01-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
dibenzo(a,h)anthracene	55-70-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
dibenzofuran	132-64-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
1,2-dichlorobenzene	95-50-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
1,3-dichlorobenzene	541-73-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
1,4-dichlorobenzene	106-46-7	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
2,4-dichlorophenol	120-83-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
diethylphthalate	84-66-2		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
dimethyl phthalate	131-11-3		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
2,4-dimethylphenol	105-67-9		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
2,4-dinitrophenol	51-28-5		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
2,4-dinitrotoluene	121-14-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
2,6-dinitrotoluene	606-20-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
bis(2-ethylhexyl)phthalate	117-81-7	5		ND	6.5	7.4	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
fluoranthene	206-44-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
fluorene	86-73-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
hexachlorobenzene	118-74-1	0.04		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
hexachlorobutadiene	87-68-3	0.5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
hexachlorocyclopentadiene	77-47-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
hexachloroethane	67-72-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
isophorone	78-59-1		50	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	NS *	ND	ND	ND	ND	ND
2-methylnapthalene	91-57-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
2-methylphenol	95-48-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
4,6-dinitro-2-methylphenol	534-52-1	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	59-50-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
3- and 4-methylphenol	NA	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
napthalene	91-20-3		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
2-nitroaniline	88-74-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
3-nitroaniline	99-09-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
4-nitroaniline	100-01-6	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
nitrobenzene	98-95-3	0.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
2-nitrophenol	88-75-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
4-nitrophenol	100-02-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
n-nitrosodimethylamine	62-75-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
n-nitrosodiphenylamine	86-30-6		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
di-n-octyl phthalate	117-84-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
pentachlorophenol	87-86-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
phenanthrene	85-01-8		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
phenol	108-95-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
4-bromophenyl-phenylether	101-55-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
4-chlorophenyl-phenylether	7005-72-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
n-nitroso-di-n-propylamine	621-64-7	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
pyrene	129-00-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	120-82-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	95-95-4	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	88-06-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS *	ND	ND	ND	ND	ND
Toal SVOCs				ND	6.5	7.4	ND	ND	ND	ND	ND	12	ND	NS*	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

NR - No groundwater standard or guidance value available.

ND - Analyte not detected in Sample

NS - Not sampled

† - Applies to the sum total of these substances

* MW-14S - August 28, 2003 - Sampled, but not analyzed because the sample jar broke at laboratory. NYSDEC split sample contained 390 µg/L of caprolactam. No groundwater standard or guidance value for caprolactam available.

Table 3-9
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-145											
			Date												
			NYS Water Quality Guidance Value	9/14/2009 µg/L	9/22/2010 µg/L	8/23/2011 µg/L	8/28/2012 µg/L	9/12/2013 µg/L	9/25/2014 µg/L	9/21/2015 µg/L	9/21/2016 µg/L	9/6/2017 µg/L	9/18/2018 µg/L	9/8/2019 µg/L	9/20/2021 µg/L
acenaphthene	83-32-9		20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
acenaphthylene	208-96-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
anthracene	120-12-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)anthracene	56-55-3		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(a)pyrene	50-32-8	>ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(b)fluoranthene	205-99-2		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(g,h,i)perylene	191-24-2	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzo(k)fluoranthene	207-08-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzyl alcohol	100-51-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
butly benzyl phthalate	85-68-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-butylphthalate	84-74-2	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbazole	86-74-8	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
indeno(1,2,3-cd)pyrene	193-39-5		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloroaniline	106-47-8	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(-2-chloroethoxy)methane	111-91-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethyl)ether	111-44-4	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chloronapthalene	91-85-7		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chlorophenol	95-57-8	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis(1-chloropropane)	108-60-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chrysene	218-01-9		0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzo(a,h)anthracene	55-70-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibenzofuran	132-64-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	95-50-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	541-73-1	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	106-46-7	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dichlorophenol	120-83-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
diethylphthalate	84-66-2		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dimethyl phthalate	131-11-3		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dimethylphenol	105-67-9		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrophenol	51-28-5		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-dinitrotoluene	121-14-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dinitrotoluene	606-20-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl)phthalate	117-81-7	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluoranthene	206-44-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
fluorene	86-73-7		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobenzene	118-74-1	0.04		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobutadiene	87-68-3	0.5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorocyclopentadiene	77-47-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachloroethane	67-72-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
isophorone	78-59-1		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methlynapthalene	91-57-6	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylphenol	95-48-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-dinitro-2-methylphenol	534-52-1	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	59-50-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3- and 4-methylphenol	NA	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
napthalene	91-20-3		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitroaniline	88-74-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-nitroaniline	99-09-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitroaniline	100-01-6	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
nitrobenzene	98-95-3	0.4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-nitrophenol	88-75-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-nitrophenol	100-02-7	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodimethylamine	62-75-9	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitrosodiphenylamine	86-30-6		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-octyl phthalate	117-84-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachlorophenol	87-86-5	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenanthrene	85-01-8		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
phenol	108-95-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-bromophenyl-phenylether	101-55-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chlorophenyl-phenylether	7005-72-3	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-nitroso-di-n-propylamine	621-64-7	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pyrene	129-00-0		50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	120-82-1	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-trichlorophenol	95-95-4	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-trichlorophenol	88-06-2	1†		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toal SVOCs				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
Bolded results exceed NYS Ambient Water Quality Standards.
NR - No groundwater standard or guidance value available.
ND - Analyte not detected in Sample
NS - Not sampled
† - Applies to the sum total of these substances

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
 (Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-105						
			Date	2/6/1997	4/22/1997	9/10/1997	11/25/1997	6/9/1998	10/20/1998	12/14/1999
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				13	ND	29.4	ND	14.8	57.4	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
 (Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-105						
			Date	8/17/2000	9/27/2001	10/17/2002	8/28/2003	9/19/2004	9/11/2005	8/10/2006
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	15.5	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
 (Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-105						
			Date	9/17/2007	9/3/2008	9/14/2009	9/22/2010	8/23/2011	8/28/2012	9/12/2013
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

***** - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-105						
			Date	9/25/2014	9/21/2015	9/21/2016	9/6/2017	9/18/2018	9/8/2019	9/19/2021
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-10M						
			Date	2/6/1997	4/22/1997	9/10/1997	11/24/1997	6/9/1998	10/20/1998	12/14/1999
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				15	ND	30.9	10.5	21.2	54.6	ND
SOLUBLE LEAD				ND	ND	ND	ND	6.48	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
 (Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-10M						
			Date	8/17/2000	9/27/2001	10/17/2002	8/28/2003	9/19/2004	9/11/2005	8/10/2006
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	6660	566	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				8.44	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

***** - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-10M						
			Date	9/17/2007	9/3/2008	9/14/2009	9/22/2010	8/23/2011	8/28/2012	9/12/2013
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-10M						
			Date	9/25/2014	9/21/2015	9/21/2016	9/6/2017	9/18/2018	9/8/2019	9/19/2021
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
 (Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-10D						
			Date	2/7/1997	4/22/1997	9/10/1997	11/25/1997	6/10/1998	10/20/1998	12/14/1999
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	160	38	ND	76	19	44
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	160	38	ND	76	19	44
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	16.5	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

***** - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
 (Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-10D						
			Date	8/17/2000	9/27/2001	10/17/2002	8/28/2003	9/19/2004	9/11/2005	8/10/2006
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	61	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	61	ND	ND	ND
TPH				ND	ND	5820	1740	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				8.16	ND	7.87	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

***** - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-10D						
			Date	9/17/2007	9/3/2008	9/14/2009	9/22/2010	8/23/2011	8/28/2012	9/12/2013
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-10D						
			Date	9/25/2014	9/21/2015	9/21/2016	9/6/2017	9/18/2018	9/8/2019	9/20/2021
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	2	10	13
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	2	10	13
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
 (Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-115						
			Date	2/7/1997	4/22/1997	9/9/1997	11/25/1997	6/9/1998	10/20/1998	12/14/1999
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				714	554	818	2480	1230	ND	ND
SOLUBLE ARSENIC				17.4	ND	39.8	14.8	23.6	57.7	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
 (Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-115						
			Date	8/17/2000	9/27/2001	10/17/2002	8/28/2003	9/19/2004	9/11/2005	8/10/2006
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	1030	1390	1100	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

***** - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-115						
			Date	9/17/2007	9/3/2008	9/14/2009	9/22/2010	8/23/2011	8/28/2012	9/12/2013
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-115						
			Date	9/25/2014	9/21/2015	9/21/2016	9/6/2017	9/18/2018	9/8/2019	9/20/2021
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
 (Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-11M						
			Date	2/7/1997	4/22/1997	9/9/1997	11/25/1997	6/9/1998	10/20/1998	12/14/1999
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	14	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	14	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				12.7	ND	35.4	10.6	21.4	48.1	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
 (Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-11M						
			Date	8/17/2000	9/27/2001	10/17/2002	8/28/2003	9/19/2004	9/11/2005	8/10/2006
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	632	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	18	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

***** - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-11M						
			Date	9/17/2007	9/3/2008	9/14/2009	9/22/2010	8/23/2011	8/28/2012	9/12/2013
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-11M						
			Date	9/25/2014	9/21/2015	9/21/2016	9/6/2017	9/18/2018	9/8/2019	9/20/2021
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
 (Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-125						
			Date	2/6/1997	4/22/1997	9/9/1997	11/24/1997	6/9/1998	10/20/1998	12/14/1999
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	16
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	16
TPH				1280	ND	1420	2040	517	520	ND
SOLUBLE ARSENIC				ND	ND	29.2	10.9	20	47.1	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
 (Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-125						
			Date	8/17/2000	9/27/2001	10/17/2002	8/28/2003	9/19/2004	9/11/2005	8/10/2006
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	892	561	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
 (Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-125						
			Date	9/17/2007	9/3/2008	9/14/2009	9/22/2010	8/23/2011	8/28/2012	9/12/2013
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	16
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	16
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

***** - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-125						
			Date	9/25/2014	9/21/2015	9/21/2016	9/6/2017	9/18/2018	9/8/2019	9/20/2021
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
 (Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-12M						
			Date	2/6/1997	4/22/1997	9/9/1997	11/24/1997	6/10/1998	10/20/1998	12/14/1999
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	64	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	64	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	17.1	ND	14.6	31.4	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

***** - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-12M						
			Date	8/17/2000	9/27/2001	10/17/2002	8/28/2003	9/19/2004	9/11/2005	8/10/2006
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	1120	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	7.48	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
 (Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-12M						
			Date	9/17/2007	9/3/2008	9/14/2009	9/22/2010	8/23/2011	8/28/2012	9/12/2013
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-12M						
			Date	9/25/2014	9/21/2015	9/21/2016	9/6/2017	9/18/2018	9/8/2019	9/20/2021
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
 (Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-12D						
			Date	2/6/1997	4/22/1997	9/9/1997	11/24/1997	6/9/1998	10/20/1998	12/14/1999
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	10	ND	24	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	10	ND	24	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	39.2	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

***** - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
 (Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-12D						
			Date	8/17/2000	9/27/2001	10/17/2002	8/28/2003	9/19/2004	9/11/2005	8/10/2006
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	681	697	1030	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	7.3	9.88	ND	6.84	6.8

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

***** - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-12D						
			Date	9/17/2007	9/3/2008	9/14/2009	9/22/2010	8/23/2011	8/28/2012	9/12/2013
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-12D						
			Date	9/25/2014	9/21/2015	9/21/2016	9/6/2017	9/18/2018	9/8/2019	9/20/2021
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-135						
			Date	2/6/1997	4/22/1997	9/9/1997	11/24/1997	6/10/1998	10/20/1998	12/14/1999
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				14	ND	38.1	10	39.5	29	ND
SOLUBLE LEAD				ND	ND	ND	5.4	148	15.3	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-135						
			Date	8/17/2000	9/27/2001	10/17/2002	8/28/2003	9/19/2004	9/11/2005	8/10/2006
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	27.4	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-135						
			Date	9/17/2007	9/3/2008	9/14/2009	9/22/2010	8/23/2011	8/28/2012	9/12/2013
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	11.4	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-135						
			Date	9/25/2014	9/21/2015	9/21/2016	9/6/2017	9/18/2018	9/8/2019	9/20/2021
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	12	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	12	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
 (Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-13M						
			Date	2/7/1997	4/22/1997	9/9/1997	11/24/1997	6/10/1998	10/20/1998	12/14/1999
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	20.1	10.1	25.7	39	ND
SOLUBLE LEAD				ND	ND	ND	ND	33	10	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

***** - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
 (Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-13M						
			Date	8/17/2000	9/27/2001	10/17/2002	8/28/2003	9/19/2004	9/11/2005	8/10/2006
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	12.6	ND	ND	ND	ND
SOLUBLE LEAD				11.7	ND	67.3	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-13M						
			Date	9/17/2007	9/3/2008	9/14/2009	9/22/2010	8/23/2011	8/28/2012	9/12/2013
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-13M						
			Date	9/25/2014	9/21/2015	9/21/2016	9/6/2017	9/18/2018	9/8/2019	9/20/2021
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	12	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
(Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-145						
			Date	2/7/1997	4/22/1997	9/9/1997	11/24/1997	6/9/1998	10/20/1998	12/14/1999
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	2780	1180	1410	957	1060
SOLUBLE ARSENIC				ND	ND	26.2	12.1	16.9	37.8	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
 (Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-145						
			Date	8/17/2000	9/27/2001	10/17/2002	8/28/2003	9/19/2004	9/11/2005	8/10/2006
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	2780	2370	1260	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	10.7	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
 (Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-145						
			Date	9/17/2007	9/3/2008	9/14/2009	9/22/2010	8/23/2011	8/28/2012	9/12/2013
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

***** - Applies to the sum total of cis- and trans-1,3-dichloropropene

Table 3-10
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2021

Union Road Site - Cheektowaga, NY
 (Site Registry No. 9-15-128)



Analyte	CAS No.	NYS Water Quality Standard	Well ID	MW-145						
			Date	9/25/2014	9/21/2015	9/21/2016	9/6/2017	9/18/2018	9/8/2019	9/20/2021
			NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	14	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	14	ND
TPH				ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC				ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD				ND	ND	ND	ND	ND	ND	ND

Notes:

Bolded results exceed NYS Ambient Water Quality Standards.

ND - Analyte not detected in Sample

NS - Not sampled

* - Applies to the sum total of cis- and trans-1,3-dichloropropene

TABLE 4-1
UNION ROAD
GROUNDWATER MONITORING REPORT



GROUNDWATER WELL MEASUREMENTS
September 19-20, 2021

Well Number	Riser Elev. ¹ (Feet)	Depth to Water (Feet)	Water Elev. (Feet)
10S	623.09	8.75	614.34
10M	622.50	11.46	611.04
10D	622.02	14.81	607.21
11S	622.74	13.45	609.29
11M	622.86	19.84	603.02
12S	622.62	19.07	603.55
12M	622.97	20.43	602.54
12D	621.18	17.96	603.22
13S	622.96	11.33	611.63
13M	621.66	11.58	610.08
14S ²	621.61	11.24	610.37
15	624.67	18.07	606.60
16	624.51	14.70	609.81
17	624.44	20.70	603.74
18 ³	624.67	Dry	<602.75
19	625.08	21.40	603.68
20 ⁴	631.98	28.30	603.68
21	629.25	22.96	606.29
22 ⁴	629.24	25.90	603.34
23S	607.45	4.61	602.84
RW1 ⁵	623.76	NM	598.76

¹ Elevations were surveyed by Douglas C. Meyers P.L.S., P.C. on March 17, 1997.

² MW-14S was reinstalled and resurveyed on August 19, 1997.

³ MW-18 is dry; measuring tape stopped without indicating water.

⁴ Depth measured to free product. Both MW-20 and MW-22 have free product on water surface; therefore water level measurement is conservatively assumed as the top of the oil layer (Because of the less dense oil, the actual water elevation would be lower).

⁵ Groundwater measurement was not taken in RW1. The assumed elevation is at the pump inlet (598.76).

⁶ NM: Not Measured

⁷ All Elevations are referenced to Mean Sea Level

APPENDIX A
BORING LOGS AND WELL CONSTRUCTION DRAWINGS

TEST BORING LOG						
Boring No. 10-5						
Project No. Name UNION ROAD - 2035-200	Location BUFFALO NY					
Drilling Contractor/Driller MAXIM						
Geologist Office JOHN J ZACHER JR						
Drilling Equipment Method HSA		Size Type of Bit 6" HSA	Sampling Method SPILT SPOON	Start Finish		
Well Installed? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Casing Mat. Dia. STAINLESS STEEL 2"	Screen Type Slot MAT. STAINLESS LENGTH 10' DIA. 2" SLOT SIZE 0.02				
Elevation of: (FT. ABOVE M.S.L.)		GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN	GW SURFACE	DATE
Remarks: HLE TO 21', SAMPLES TO 20'						

DEPTH (FT) SAMPLE NO. AND TYPE RECOVERY (FT) PENETRATION RESIST- ANCE BLOWS/FT				LOG OF TEST BORING		WELL CONST.	GRAPHIC LEVEL LOG
				DESCRIPTION	REMARKS		
				SAMPLING STARTS AT 4' B.G.			
5	4	6		BR TO TANKREY CLAY w LITTLE ANGULAR ROCKS TO 12"	STIFF, DIMP		
	6	8		0-5" BR TO TANKREY CLAY SOME ROCKS TO 34"	STIFF DIMP		
	8	10		5-15" CINDERS w/ SOME ROCKS - DIMP	W/ DECOMPOSED LITTLE H ₂ O		
	10	12		15-21" BROWN TAN CLAY SOME SAND, LITTLE SILT TAN & BROWN CLAY	STIFF, LITTLE H ₂ O		
10	12	14		TAN/LT BROWN CLAY	MED STIFF SOME H ₂ O		
	14	16		TAN/LT BROWN CLAY - TRACE SILTS	MED STIFF SOME H ₂ O		
	16	18		GREY TO LT BROWN CLAY SOME LITTLE ROUND ROCKS	MED STIFF SOME H ₂ O		
	18	20		TAN TO LT BROWN CLAY	MED STIFF SOME H ₂ O		
	20	22		GREYISH BROWN CLAY TRACE ORGANICS.	MED STIFF SOME H ₂ O		
	22	24		End Boring 21' BGS - 2008 20'			

Proportions Used: Trace = 0-10%, Little = 10-20%, Some = 20-35%, And = 35-50%

Sampling Abbreviations: SS = Spilt Spoon, ST = Shelby Tube, CSC = Continuous Soil Core

TEST BORING LOG					
Boring No. 10-M					
Project No. Name Dodge Road - 2035-200	Location Buffalo NY				
Drilling Contractor/Driller MAHM					
Geologist Office John J Zacher Jr.					
Drilling Equipment Method HSA	Size Type of Bit 6" HSA	Sampling Method Split Spoon	Start Finish Date 1/3/97		
Well Installed? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Casing Mat./Dia. Stainless Steel 2"	Screen Type Slot Mat. Stainless Length 10' Dia 2" Slot Size 0.02			
Elevation of: (FT. ABOVE M.S.L.)	Ground Surface	Top of Well Casing	Top & Bottom Screen	GW Surface	Date
Remarks:					

LOG OF TEST BORING						Well Comp.	Graphic Logging
Depth (ft)	Sample No. and Type	Recovery (ft)	Penetration Resist- ance Blows/ft	Description	Remarks		
				SAMPLING STARTS 4' BG.			
5	6	20"	6	BLK TO TAN/GREY CLAY W/ LITTLE ROCKS 1/4"	STIFF, DAMP		
6	6	22"	6	0-7" BLK TO TAN/GREY CLAY & 1/2 ROCKS 7-4" CINDERS	STIFF DAMP DRY		
8	3	12	12	M-22' BROWN CLAY LITTLE ROCKS	MED STIFF, LITTLE H ₂ O		
10	10	24"	10	TAN/LT BROWN CLAY	STIFF, LITTLE H ₂ O		
12	12	15"	12	TAN/LT BROWN CLAY	MED STIFF SOME H ₂ O		
14	14	15"	14	TAN/LT BROWN CLAY	MED STIFF SOME H ₂ O		
16	16	20"	16	TAN/LT BROWN CLAY, LITTLE GREY LITTLE ROUND ROCKS	MED STIFF SOME H ₂ O		
18	18	19"	18	TAN TO LT BROWN CLAY	MED STIFF SOME H ₂ O		
20	20	20"	20	GREYISH BROWN CLAY, SOME ORGANICS	MED STIFF SOME H ₂ O		

Proportions Used: Trace = 0-10%, Little = 10-20%, Some = 20-35%, And = 35-50%

Sampling Abbreviations: SS = Split Spoon, ST = Shelby Tube, CSC = Continuous Soil Core

Boring No. 10M		TEST BORING LOG		DATE 11/1/97	
PROJECT NO. NAME UNION ROAD - 2035-200		LOCATION BUFFALO NY			
DRILLING CONTRACTOR/DRILLER MAHIM					
GEOLOGIST OFFICE JOHN J ZACHER JR.					
DRILLING EQUIPMENT. METHOD HSA		SIZE TYPE OF BIT 6" HSA		SAMPLING METHOD SPLIT SPOON	
WELL INSTALLED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		CASING MAT./DIA. STAINLESS STEEL 1/2"		SCREEN TYPE SLOT MAT. STAINLESS LENGTH 10' DIA. 2" SLOT SIZE 0.02	
ELEVATION OF: (FT. ABOVE M.S.L.)		GROUND SURFACE		TOP OF WELL CASING	
		TOP & BOTTOM SCREEN		GW SURFACE	
REMARKS:					

LOG OF TEST BORING					WELL CONDT.	GRAPHIC
DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE (BLDS/FT)	DESCRIPTION		
20	21	1		DARK GREY w/ SOME ORGANICS LITTLE	MED STIFF	
22	21				SOME H ₂ O	
22	21			GREY w/ SOME BROWN CLAYS	MED STIFF	
24	21				LITTLE H ₂ O	
24	20	2		GREY CLAY	SOFT	
26	20	3			WET	
26	21	1		TOP 14" GREY CLAY	SOFT WET	
28	21	2				
28	10			BOT 7" GREY/LT BROWN CLAY, SOME ROCK FRINGS, LITTLE SAND	WET, NOT CHESIVE	S-2
28	12			LT BROWN SILTS w/ SOME SAND - 0.6"	WET, LOOSE	
28	17	4		LT BROWN CLAY, SOME ROCKS - 0.17"	SOFT-WET	
30	2	2				S-1
BoB @ 31' Bgl						

Proportions Used: Trace = 0-10%, Little = 10-20%, Some = 20-35%, And = 35-50%

Sampling Abbreviations: SS = Split Spoon, ST = Shelby Tube, CSC = Continuous Soil Core

TEST BORING LOG

BORING NO. MW-10D		LOCATION Buffalo NY	
PROJECT NO.. NAME Union Road		DRILLING CONTRACTOR/DRILLER Maxim (Dick Miller, Ron Brown)	
GEOLOGIST OFFICE James Down		DRILLING EQUIPMENT METHOD Air Rotary / HSA	
WELL INSTALLED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		CASING MAT. / DIA. Stainless / 2"	SCREEN: TYPE slot MAT. stainless LENGTH 10' DIA. 2" SLOT SIZE .020
ELEVATION OF: (FT. ABOVE M.S.L.)		GROUND SURFACE	TOP OF WELL CASING TOP & BOTTOM SCREEN GW SURFACE
REMARKS:		DATE	

LOG OF TEST BORING				WELL CONST.	GRAPHIC LITHO LOG
DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	DESCRIPTION		
			Sampling started @ 9' BG.		
5	21"	5 6 8 10	Blk to tan/Grey clay w/ trace angular Fragmented Rock up to 1" in size	Stiff, Damp	
	22"	7 30 18 11	Top 8" Blk, tan/grey clay w/ trace angular Fragmented Rock 1" in size next 6" Blk Cinder like material w/ some w/ angular Fragmented Rock Bottom 6" Brown/Tan Sand/Silty Clay w/ 10%-20% Rx Frng. 2"	Stiff, Damp Dry Not Cohesive, little H ₂ O	
	24"	7 9 10 9	Tan to lt Brown clay, No Rocks	m. stiffness w/ some H ₂ O	
10	16"	2 2 3 3 3	Tan to lt Brown clay w/ Rocks	m. stiffness w/ some H ₂ O	
	15"	3 3 5	tan to lt Brown Clay w/o Rocks Possibly some silts	m. stiffness w/ some H ₂ O	
15	20"	2 2 3 4	Gray to lt Brown Mottled clay w/ trace rounded Rocks, 1/4 - 1/8" diameter.	m. stiffness w/ some H ₂ O	
	18"	1 3 4 6	Tan to lt Brown clay w/o Rxs	m. stiffness w/ some H ₂ O	
	21"	2 2 4	Grayish/Brown/Blk clay w/ 10-20% organics	m. stiffness w/ some H ₂ O	

Proportions Used: Trace = 0-10%, Little = 10-20%, Some = 20-35%, And = 35-50%

Sampling Abbreviations: SS = Split Spoon, ST = Shelby Tube, CSC = Continuous Soil Core

TEST BORING LOG

BORING NO.

MW-100

PROJECT NO. NAME

Union Road 2035-200

LOCATION

Buffalo NY

DRILLING CONTRACTOR/DRILLER

Maxim (Dick Miller, Ron Brown)

GEOLOGIST OFFICE

James Dean

DRILLING EQUIPMENT METHOD

HS A / Air Rotary

SIZE TYPE OF BIT

HS A 8 1/4" / 7 7/8"

SAMPLING METHOD

Split Spoon

START FINISH DATE

WELL INSTALLED?

YES ☒ NO ☐

CASING MAT. DIA.

Stainless Steel 2"

SCREEN:

TYPE SLOT

MAT. Stainless

LENGTH 10' DIA. 2"

SLOT SIZE .020

ELEVATION OF:

GROUND SURFACE

TOP OF WELL CASING

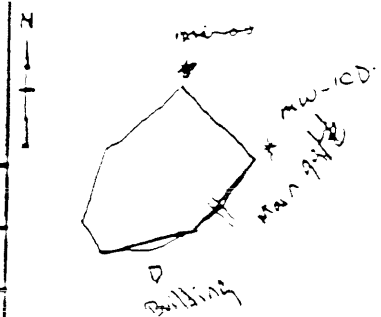
TOP & BOTTOM SCREEN

GW SURFACE

DATE

(FT. ABOVE M.S.L.)

REMARKS:



LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LOG
20'-22'	21"	1	1	Greyish/Blk/Drk Grey clays w/ traces organics	m. stiffness w/ some H ₂ O		
22'-24'	20"	3	3	Grey + Brown clays	m. stiffness w/ trace H ₂ O		
24'-26'	0"	2	2	The inside of the spoon was v. wet; No Basket.			
26'-28'	22"	1	1	Top 16" Grey clays	soft wet		
28'-30'	17"	3	3	mid 4" Grey clays, w/ trace organics	soft wet		
30'-32'	18"	6	6	Bottom 2" Grey/H Brown/ clays w/ some Org. Rrs, Sands.	Not cohesive wet		
32'-34'	4"	3 1/2	50	1 ft Brown/Tan clays w/ silts 20% Rock Frag. 1/4" - 2"	soft wet		
34'-36'				Top 3" Sands w/ H Brown/Tan silts + clays	Not Cohesive wet		
36'-38'				Bottom 15" H Brown/Tan clays w/ silts, 20% Rock Fragments 1/4" - 2" in size	Soft Wet		
38'-40'				1 ft Brown/Tan clays w/ silts, 20% Rxs Frag 1/4" - 2" in size	soft wet		
40'-42'				Bed Rock.			
42'-44'				Bottom of Protective casing			

TEST BORING LOG

BORING NO.
MW- 100

PROJECT NO.. NAME
Union Road 2035-200

LOCATION
Buffalo NY

DRILLING CONTRACTOR/DRILLER
Maxim

GEOLOGIST OFFICE
James Doan

DRILLING EQUIPMENT, METHOD
HSA

SIZE, TYPE OF BIT

SAMPLING METHOD
Split Spoon

START, FINISH DATE

WELL INSTALLED? YES ☒ NO ☐ CASING MAT./DIA. Stainless Steel 2" SCREEN: TYPE SLOT MAT. stainless LENGTH 10' DIA. 2" SLOT SIZE .020

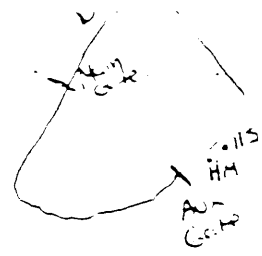
ELEVATION OF: GROUND SURFACE TOP OF WELL CASING TOP & BOTTOM SCREEN GW SURFACE DATE

REMARKS:

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESIST- ANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC HYDRO LOG
5				ⓐ 45 the water bearing zone The hole was collapsed The rock isn't very consolidated	B.O.B 45.5 BG		
10							
15							

BORING NO. MW-115		TEST BORING LOG	
PROJECT NO. NAME Dineen Road 2035-200		LOCATION Buffalo NY	
DRILLING CONTRACTOR/DRILLER M. L. L. M.			
GEOLOGIST. OFFICE JOHN J. ZACHER JR.			
DRILLING EQUIPMENT. METHOD HSA		SIZE TYPE OF BIT 6" HSA	SAMPLING METHOD SPLIT SPOON
WELL INSTALLED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		CASING MAT. / DIA. STAINLESS STEEL 12"	SCREEN: TYPE SLOT MAT. STAINLESS LENGTH 10' DIA. 2" SLOT SIZE 0.020
ELEVATION OF: (FT. ABOVE M.S.L.)		GROUND SURFACE	TOP OF WELL CASING TOP & BOTTOM SCREEN GW SURFACE
REMARKS:			



LOG OF TEST BORING				WELL CONST.	GRAPHIC LOG
DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT-G.S.F.		
SAMPLING STARTED AT 4' B.G.					
5	4'	10	Brown/Dk Brown Silts & clays TRACE RA FRAGMENTS < 1/8"	STIFF Dry - little H ₂ O	Core
	6'	9			
	6'	10			
	6'	4	Brown/Dk Brown Silts AND clays NO RAS	STIFF LITTLE TO NO H ₂ O	
	15'	9			
	15'	12	FILL		
	8'	11			
	8'	12	Brown/Dk Brown clays	STIFF	
	10"	12	TRACE RA FRAGS	LITTLE TO NO H ₂ O	
10	10'	12	FILL		
	10'	4	TOP 9" Dk Brown clays w/ some organics	STIFF - LITTLE TO NO H ₂ O	
	13"	6	BOTTOM 4" - GRAY SILT / CLAYS AND organics	STIFF - LITTLE H ₂ O	
	12'	6			
	12'	8	GREY CLAYS LITTLE organics	MED STIFFNESS SOME H ₂ O	
	20"	9			
	14'	13			
	15'	9	TOP 6" - GREY CLAYS, LITTLE organics	MED STIFFNESS LITTLE H ₂ O	
15	15"	11			
	16'	13	BOTTOM 12" - REDDISH BROWN CLAY NO RAS organics	STIFF - LITTLE TO NO H ₂ O	
	16'	18	REDDISH BROWN CLAYS w/ GREY LAYERS	STIFF - LITTLE TO NO H ₂ O	
	21"	20	GREY LAYERS MAY BE EVIDENCE OF VARIED CLAYS		
	18'	22			
	18'	51	REDDISH BROWN CLAYS w/ GREY LAYERS	M. STIFFNESS	
	12"	51	GREY LAYERS MAY BE EVIDENCE OF VARIED CLAYS	DAMP	
	20'	1			

Proportions Used: Trace = 0-10%, Little = 10-20%, Some = 20-35%, And = 35-50%

Sampling Abbreviations: SS = Split Spoon, ST = Shelby Tube, CSC = Continuous Soil Core

TEST BORING LOG	
BORING NO. MW-115	
PROJECT NO. NAME 15610 2070 - 2035-200	LOCATION BUFFALO NY
DRILLING CONTRACTOR/DRILLER MAXIM	
GEOLOGIST. OFFICE John J. Zucker Jr	
DRILLING EQUIPMENT. METHOD HSA	SIZE TYPE OF BIT 6" HSA
SAMPLING METHOD SPLIT SPOON	START. FINISH DATE 1/2/97
WELL INSTALLED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	CASING MAT./DIA. SS 12"
SCREEN: TYPE SLOT MAT. STAINLESS LENGTH 10' DIA. 2" SLOT SIZE 0.075	
ELEVATION OF: (FT. ABOVE M.S.L.)	GROUND SURFACE TOP OF WELL CASING TOP & BOTTOM SCREEN GW SURFACE DATE
REMARKS:	

LOG OF TEST BORING				WELL CONST.	GRAPHIC BATHYLOG
DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESIST- ANCE BLOWS/FT		
20	20	3		Brown Dark Brown CLMS, no 2xs.	STIFF Little H ₂ O
22	22	2		Brown Wisome GREY CLMS	STIFF TRACE H ₂ O
24	24	1		AcBe 7-11 Bgl	

Proportions Used: Trace = 0-10%. Little = 10-20%. Some = 20-35%. And = 35-50%
 Sampling Abbreviations: SS = Split Spoon, ST = Shelby Tube, CSC = Continuous Soil Core

TEST BORING LOG

BORING NO.

MW-11M

PROJECT NO.. NAME

Union Road 2035-200

LOCATION

Buffalo NY

DRILLING CONTRACTOR/DRILLER

MAXIM

GEOLOGIST OFFICE

James Dean

DRILLING EQUIPMENT. METHOD

HS A

SIZE TYPE OF BIT

SAMPLING METHOD

Split Spoon

START. FINISH DATE

12/18 - 12/19/86

WELL INSTALLED?

YES ☒ NO ☐

CASING MAT. DIA.

Stainless Steel 2"

SCREEN:

TYPE SLOT

MAT. Stainless

LENGTH 10" DIA. 2"

SLOT SIZE .020

ELEVATION OF:

GROUND SURFACE

TOP OF WELL CASING

TOP & BOTTOM SCREEN

GW SURFACE

DATE

(FT. ABOVE M.S.L.)

REMARKS:

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESIST- ANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC HYDRO LOG
				Sampling started @ 4' BG			
5	4'	14"	10	Brown/Drk Brown silts + clays w/ Trace	Stiff		
	6'	10	8	amounts of Rx Fragments. less than 1/8"	little to No H ₂ O		
	6'	13"	10	Brown/Drk Brown silts + clays, w/o Rx's	Stiff		
	8'	12	8	Most likely Fill	little to No H ₂ O		
	8'	14	12	Brn Drk Brown clays w/ Trace amounts of Rx frags.	Stiff		
	10'	4"	10	most likely Fill	little to No H ₂ O		
10	10'	10"	3	Top 8" Drk Brown clays w/ some Organics	Stiff		
	12'	9	5	Bottom 2" Grey silts + clays w/ some Organics	little to No H ₂ O		
	12'	18"	15	Top 4" discarded looked as if they fell into hole	Soft w/ some H ₂ O		
	14'	14"	7	Bottom 14" Grey clays w/ some organic + Trace	m. stiffness		
	14'	19"	11	ashes or soot.	Some H ₂ O		
15	16'	24"	19	Reddish Brown clay w/ No Rx's or organics	stiff		
	16'	20	25	Reddish Brown clays w/ Grey layers	little to No H ₂ O		
	18'	20	3	The grey layers may be varved clays.	m. stiffness		
	20'	5	4	Reddish Brown clays w/ Grey layers	Damp		
	20'	5	5	The Grey layers may be evidence of varved clays			

TEST BORING LOG

BORING NO.

MW- 11M

PROJECT NO.. NAME

Union Road 2035-200

LOCATION

Buffalo NY

DRILLING CONTRACTOR/DRILLER

Maxim

GEOLOGIST, OFFICE

James Dean

DRILLING EQUIPMENT, METHOD

HS A

SIZE, TYPE OF BIT

SAMPLING METHOD

Split Spoon

START, FINISH DATE

WELL INSTALLED?

CASING MAT. DIA.

SCREEN:

TYPE SLOT

MAT. stainless

LENGTH 10' DIA. 2" SLOT SIZE .025

YES ☒ NO ☐

Stainless Steel 2"

ELEVATION OF:

GROUND SURFACE

TOP OF WELL CASING

TOP & BOTTOM SCREEN

GW SURFACE

DATE

(FT. ABOVE M.S.L.)

REMARKS:

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESIST- ANCE BLOWS, FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHO LOG
20'	24"	24"	1	- Reddish brown varbed clays w/ Red, Grey, and dark Brown layers.	Soft Wet		
22'	22"	22"	1	Reddish/ Brown clays	Soft Wet		
24'	24"	24"	1	Reddish Brown (Fleshy color) clays 1/4" - 1/2" Rx frags. w/ rounded edges.	Soft Wet		
26'	26"	26"	3	Reddish Brown (Fleshy color) clays 1/4" - 2" Rx frags w/ rounded edges.	Soft Wet		
28'	28"	28"	2	Reddish Brown (Fleshy color) clays + 408-506 Rock fragments w/ some rounded edges	Soft Wet		
30'	30"	30"	5	- mostly Rocks 70% w/ some Reddish Brown (Fleshy color) clays	Soft Wet		
32'	32"	32"	13	- Reddish Brown (Flesh color) clays + silts - some sands 20-30% rock mostly smooth & pebbles	Soft Wet		
34'	34"	34"	1	Reddish Brown/Grey silts + clays 60% Rocks + Sands	Wet Soft -> Hard		
36'	36"	36"	24	Reddish Brown/Grey silts, clays, sands + Rocks.	Wet		
38'	38"	38"	54 1/2"				
39'				Bed Rock @ 39' BG			

TEST BORING LOG	
Boring No. 17-5	
Project No. Name UNION ROAD - 2035-200	Location BUFFALO NY
Drilling Contractor/Driller MAXIM	
Geologist's Office JOHN J ZACHER JR.	
Drilling Equipment Method HSA	Size Type of Bit 6" 8" 6" HSA
Sampling Method SPLIT SPOON	Start Finish Date 1-2-97
Well Installed? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Casing Mat./Dia. STAINLESS STEEL 1/2"
Screen TYPE SLOT	Mat. STAINLESS LENGTH 10' DIA. 2" SLOT SIZE 0.020
Elevation of: (FT. ABOVE M.S.L.)	GROUND SURFACE TOP OF WELL CASING TOP & BOTTOM SCREEN GW SURFACE DATE
REMARKS:	

LOG OF TEST BORING					WELL CONST.	GRAPHIC LOG
DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION		
				SAMPLING START AT 15' BG		
3						
6						
9						
12						
15	10	21"	9	BROWN CLAYS - FILL	STIFF LITTLE H ₂ O	
17	17	24"	7	BROWN CLAYS FILL	STIFF TRACE H ₂ O	
19	19	23	5	BROWN TO DARK BROWN CLAYS	STIFF LITTLE H ₂ O	
21	21	24"	4	BROWN TO TAN CLAY W/ LITTLE GRF	STIFF BARELY LITTLE H ₂ O	
23	23	24"	5	BROWN & GRAY CLAY	STIFF / MOIST	
25	25		4			

Proportions used: Trace = 0-10%, Little = 10-20%, Some = 20-35%, And = 35-50%

Sampling Abbreviations: SS = Split Spoon, ST = Shelby Tube, CSC = Continuous Soil Core

TEST BORING LOG

Boring No. 12-M	
Project No. Name UNION ROAD - 2035-200	Location BUFFALO NY
Drilling Contractor/Driller MAXIM	
Geologist Office JOHN J ZACHER JR.	
Drilling Equipment Method HSA	Size Type of Bit 6" 5/8" HSA
Sampling Method SPLIT SPOON	
Well Installed? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Casing Mat./Dia. STAINLESS STEEL 12"
Screen YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Type Slot MAT. STAINLESS
Length 10' DIA 2" SLOT SIZE 0.020	
Elevation of: GROUND SURFACE TOP OF WELL CASING TOP & BOTTOM SCREEN ON SURFACE DATE	
(FT. ABOVE M.S.L.)	
Remarks: NO SAMPLES 0-20' FILL MATERIAL, CUTTINGS BROWN DR. SAMPLE 40-42 - CORRESPONDING REF. 42.5	

LOG OF TEST BORING				WELL CONDV.	CORRECTION GRAPHIC CHARTING
DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT		
20					
22	2"	3			
22		4			
24	24"	4			
24		4			
26	24"	2			
26		1			
26		4			
28	19"	7			
28		8			
30	18"	2			
30		4			
32	16"	2			
32		3			
32		4			
34	18"	3			
34		8			
34		10			
36	24"	1			
36		2			
38	20"	1			
38		7			
40	6"	50/3"			

Proportions Used: Trace = 0-10%, Little = 10-20%, Some = 20-35%, And = 35-50%
 Sampling Abbreviations: SS = Split Spoon, ST = Shelby Tube, CSC = Continuous Soil Core
 Weather Bulb 41.5
 Bob - 42.5



44 SHELTER ROCK ROAD
DANBURY, CT 06810
(203) 796-5279

TEST BORING LOG

BORING NO.

MW-12D

PROJECT NO. NAME

Union Road 2035-200

LOCATION

Buffalo NY

DRILLING CONTRACTOR/DRILLER

Maxim (Ron Brown, Dick Miller)

GEOLOGIST OFFICE

James Dean

DRILLING EQUIPMENT METHOD

HSA / Air Rotary

SIZE TYPE OF BIT

8 1/4" HSA / 7 7/8" Air/5 7/8"

SAMPLING METHOD

Split Spoon

START FINISH DATE

12/12-12/16/96

WELL INSTALLED?

CASING MAT. DIA.

SCREEN:

TYPE SLOT

MAT. Stainless

LENGTH 10' DIA. 2"

SLOT SIZE .020

YES ☒ NO ☐

Stainless Steel 2"

ELEVATION OF:

GROUND SURFACE

TOP OF WELL CASING

TOP & BOTTOM SCREEN

GW SURFACE

DATE

(FT. ABOVE M.S.L.)

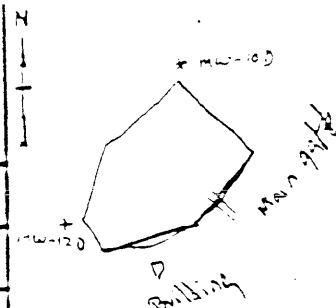
REMARKS:

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESIST- ANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHO LOG
5				No samples taken until 20' BG The material is all Fill until then.			
10				Grout Seal			
15							

2-10% Little = 10-20%. Some = 20-35%. And = 35-50%

Continuous Soil Core



2013

TEST BORING LOG

BORING NO.
MW-127

PROJECT NO. NAME
Union Road 2035-200

LOCATION
Buffalo NY

DRILLING CONTRACTOR/DRILLER
Maxim

GEOLOGIST OFFICE

James Dean

DRILLING EQUIPMENT METHOD

HSA

SIZE TYPE OF BIT

SAMPLING METHOD
Split Spoon

START FINISH DATE

WELL INSTALLED? CASING MAT. DIA.
YES ☒ NO ☐ Stainless Steel 2"

SCREEN:
TYPE SLOT

MAT. Stainless

LENGTH 10' DIA. 2" SLOT SIZE .025

ELEVATION OF:
(FT. ABOVE M.S.L.)

GROUND SURFACE

TOP OF WELL CASING

TOP & BOTTOM SCREEN

GW SURFACE

DATE

REMARKS:

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESIST- ANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHO LOG
20'	24"	3	5	Brown to Drk Brown Clays, no Rxs	stiff little to no H ₂ O		
22'	24"	3	5	Brown/Tan/w/ some Greys	stiff w/ trace H ₂ O		
24'	24"	4	5	Greyish/ Red Brown Clays, Trace Rx Fragments 1/8" - 1/4"	Soft Damp		
26'	24"	4	5	Top 6" Red Brown Clay, no Rxs	stiff		
28'	17"	6	14	Bottom 11" lt Brown/Tan (Fleshy color) clays, Trace silts + some Rx	Soft w/ Some H ₂ O		
28'	15"	4	1	lt Brown/Tan (Fleshy color) clays, Trace silts + Some rock fragments 1/8" - 1/4"	Soft Some H ₂ O		
30'	14"	3	1	lt Brown/Tan (Flesh color) clays, Trace silts + some Rock fragments	Soft Some H ₂ O		
32'	24"	1	8	Top 12" lt Brown/Tan, w/ some grey clays some Rx fragments.	Soft, Damp		
32'	24"	16	50	Bottom 15" Grey 50% Sands no Rxs	No cohesive strength Wet to Damp		
34'				Sample skipped the augers into hard unconsolidated Rocks			
37'	5"	5		lt Brown/Tan/Grey Clays w/ silts + Angular Rock fragments 40-50% 1/8" - 1"	Soft Wet		

30T 5

TEST BORING LOG

BORING NO.

MW- 129

PROJECT NO. NAME

Union Road 2035-200

LOCATION

Buffalo NY

DRILLING CONTRACTOR/DRILLER

Maxim

GEOLOGIST OFFICE

James Dean

DRILLING EQUIPMENT METHOD

HSA

SIZE TYPE OF BIT

SAMPLING METHOD

Split Spoon

START FINISH DATE

WELL INSTALLED?

YES ☒ NO ☐

CASING MAT. DIA.

Stainless Steel 2"

SCREEN:

TYPE SLOT

MAT. Stainless

LENGTH 10' DIA. 2" SLOT SIZE .025

ELEVATION OF:

FT. ABOVE M.S.L.)

REMARKS:

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LOG
40-42	2'	50/2"		mostly RY 1/4"-2" in size w/ a matrix of lt Brown/Tan/Grey clays + silts - Bed Rock @ -41' BG	Wet Stiff Cement Seal		
				Bottom of Protective casing @ 46' BG	Bentonite seal		
				Stainless Steel Riser			
				Stainless Steel Screen			
				sand			
				Bottom of hole 61.5' BG			

BORING NO. MWD-135		TEST BORING LOG		11 GITE	
PROJECT NO. NAME UNION ROAD 2035-200		LOCATION BUFFALO NY			
DRILLING CONTRACTOR/DRILLER MAXIM					
GEOLOGIST. OFFICE JOHN J. ZACHER JR					
DRILLING EQUIPMENT. METHOD HSA		SIZE TYPE OF BIT 6" HSA		SAMPLING METHOD SPLIT SPOON	
START. FINISH DATE 12/20/96					
WELL INSTALLED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		CASING MAT./DIA. STAINLESS STEEL 12"		SCREEN: TYPE SLC T MAT. STAINLESS LENGTH 10' DIA. 2" SLOT SIZE 0.020	
ELEVATION OF: (FT. ABOVE M.S.L.)		GROUND SURFACE		TOP OF WELL CASING TOP & BOTTOM SCREEN GW SURFACE DATE	
REMARKS: BORING TO 21', last 1' NOT SPLIT SPOONED Well Casing Riser at 20.5' B.G.					

LOG OF TEST BORING				WELL CONST.	GRAPHIC LOG
DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT		
DESCRIPTION				REMARKS	
SAMPLING STARTED AT 4' B.G.					
4	15		DARK BROWN CLAYS	STIFF	g.s.
5	10	14"	NO ROCKS	LITTLE NO H2O	
6	12		SOME CINDERS		B.G.
6	12		DARK BROWN CLAYS	STIFF	
8	10	12	SOME CINDERS	TRIME H2O	g.s.
8	10				
8	12		5' -> DARK BROWN CLAYS, LITTLE CINDERS	STIFF, LITTLE H2O	g.s.
10	10	10"	BOTS" - BLACK SANDS / CINDERS NOT MIXTURE	DRY	
10	10	10"	TOP 3" - BLACK SAND CINDERS	DRY	g.s.
12	11	10"	BETW 3" - WOOD LONG CREVICE CRK 2		
12	10		BLACK SAND / CINDERS	WET	g.s.
14	10				
14	12		BLACK SAND / CINDERS	WET	g.s.
15	12		SOME BRICK AND WOOD		
16	10				g.s.
16	10		BLACK SAND CINDERS w/ SOME RED CLAY	DAMP	
18	7				g.s.
18	10		TOP 6" BLACK CINDERS	WET	
20	21		6"-15" RED CLAY, NO ROCKS	MED STIFF	g.s.
20	21			SOME H2O	

Proportions Used: Trace = 0-10%, Little = 10-20%, Some = 20-35%, And = 35-50%

Sampling Abbreviations: SS = Split Spoon, ST = Shelby Tube, CSC = Continuous Soil Core

B.B. 21'

TEST BORING LOG

BORING NO.

MW-13M

PROJECT NO. NAME

Union Road 2035-200

DRILLING CONTRACTOR/DRILLER

Maxim

GEOLOGIST OFFICE

James Dean

DRILLING EQUIPMENT, METHOD

HSA

SIZE, TYPE OF BIT

SAMPLING METHOD

Split Spoon

START, FINISH DATE

12/19/96

WELL INSTALLED?

CASING MAT. DIA.

SCREEN:

YES ☒ NO ☐

Stainless Steel 2"

TYPE SLOT

MAT. Stainless

LENGTH 10' DIA. 2" SLOT SIZE .02

DATE

ELEVATION OF:

GROUND SURFACE

TOP OF WELL CASING

TOP & BOTTOM SCREEN

GW SURFACE

(FT. ABOVE M.S.L.)

REMARKS:

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESIST- ANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHO LOG
5'	5'	12"	18 12 8 17	-Drk Brown clays w/o Rxs	Stiff little to No H ₂ O		
10'	10'	8"	15 14 5	Blk sands + ashes or cinders - Not a native material	No Cohesive strength DRY		
12'	12'	11"	7 9 4 5	Top 9" Blk sand + ashes or cinders some organics	No Cohesive strength DRY		
14'	14'	5"	50/5"	Bottom 2" Wood, Aobby from a RR tie.	Damp		
15'	15'	5"	50/5"	Top 2" Blk ash w/ some organics Next 1" Brick (Red Bottom 2" Wood			
16'	16'	3"	50/3"	Wood			
18'	18'			Wood			
19'	19'			Wood			



44 SHELTER ROCK ROAD
DANBURY, CT 06810
(203) 796-5279

2072

TEST BORING LOG

BORING NO. MW-13M

PROJECT NO. NAME Union Road 2035-200

LOCATION Buffalo NY

DRILLING CONTRACTOR/DRILLER Maxim

GEOLOGIST OFFICE James Dean

DRILLING EQUIPMENT, METHOD HSA

SIZE, TYPE OF BIT

SAMPLING METHOD Split Spoon

START, FINISH DATE

WELL INSTALLED? YES ☒ NO ☐ CASING MAT. DIA. Stainless Steel 2"

SCREEN: TYPE SLOT MAT. Stainless

LENGTH 10' DIA. 2" SLOT SIZE .020

ELEVATION OF: GROUND SURFACE FT. ABOVE M.S.L.)

TOP OF WELL CASING TOP & BOTTOM SCREEN GW SURFACE

DATE

REMARKS:

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESIST- ANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHO LOG
5	24"	24"	7 5 5	Top 5" Wood Bottom 19" Greyish red clays, No Rocks Reddish Grey clays w/ some rocks	Stiff \rightarrow soft little to No H ₂ O		
10	30"	12"	1 2 5 6	Top 2" Wood - maybe from a plug in bottom of auger Bottom 10" Reddish/Grey clays w/ some R _x Frag Pebbles There wasn't a basket in the spoon.	Soft Wet.		
15	34"	0"	50/0"	Bed Rock	Bottom of Boring		

10-20%, Some = 20-35%, And = 35-50%

TEST BORING LOG

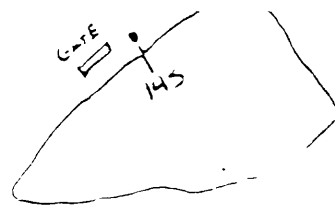
BORING NO. 14-S
 PROJECT NO. NAME UNION ROAD LOCATION Buffalo NY
 DRILLING CONTRACTOR/DRILLER MAXIM Technologies
 GEOLOGIST, OFFICE MARK CAMBRA NES DAINBURY, CT
 DRILLING EQUIPMENT, METHOD HSA SIZE, TYPE OF BIT 6" HSA SAMPLING METHOD AF START, FINISH DATE 8/19/97
 WELL INSTALLED? YES ☒ NO ☐ CASING MAT./DIA. Steel 4" SCREEN: TYPE Slothe MAT. Stainless Steel LENGTH 10 DIA. 2" SLOT SIZE 020
 ELEVATION OF: GROUND SURFACE TOP OF WELL CASING TOP & BOTTOM SCREEN GW SURFACE DATE 8/19/97
 REMARKS: Replaces Previous 14-S well.

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHO LOG
0				Topsoil	giant		
3.8				Fill - Reddish brown Sandy Clay	Bentonite		
5.3							
6.8							
10				Reddish Brown Clay	SAND		
15							
16.8							
17.3				END of Boring			

Proportions Used: Trace = 0-10%, Little = 10-20%, Some = 20-35%, And = 35-50%

Sampling Abbreviations: SS = Split Spoon, ST = Shelby Tube, CSC = Continuous Soil Core

BORING NO. 14-5		TEST BORING LOG			
PROJECT NO. NAME UNION ROAD 2035-200		LOCATION BUFFALO NY			
DRILLING CONTRACTOR/DRILLER MAXIM					
GEOLOGIST. OFFICE JOHN J. ZACHER JR					
DRILLING EQUIPMENT. METHOD HSA		SIZE/TYPE OF BIT 6" HSA		SAMPLING METHOD SPILL SPOON	
WELL INSTALLED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		CASING MAT./DIA. STAINLESS STEEL 12"		SCREEN: TYPE SLOT MAT. STAINLESS LENGTH 10' DIA. 2" SLOT SIZE 0.020	
ELEVATION OF: (FT. ABOVE M.S.L.)		GROUND SURFACE		TOP OF WELL CASING TOP & BOTTOM SCREEN GW SURFACE DATE	
REMARKS:					

LOG OF TEST BORING				WELL CONST.	GRAPHIC SYMBOL LOG
DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	DESCRIPTION		
			SAMPLING STARTS AT 4' B.G.		
			<i>A. Boncher</i>		
			<i>8/19/97</i>		
4'		7	TOP 1" - WOOD		
5'	20"	17	1-11" - BROWN CLAY W/ LITTLE GRNCL		
6'		12	11-17" CINDERS		
6'		19	17-20" BROWN CLAY W/ SOME ORGNCL		
		19	0-7" - FINE CINDERS, STONES, BRICK		
8'	19"	17	7-19" - BROWN CLAY W/ GREY VARIING		
8'		23			
		5	0-7" BROWN CLAY W/ LITTLE ROCKS (1/4")		
		7	7-22" RED BROWN CLAY		
10'	22"	10			
10'		16	RED BROWN CLAY, TRACE ORGANICS (ROOTS)		
12'	22"	12			
12'		13	RED BROWN CLAY - SOME GREY VARIING		
12'		14			
14'	24"	10			
14'		3	RED BROWN CLAY SOME GREY VARIING		
15'	24"	3			
16'		12	RED BROWN CLAY W/ SOME GREY		
16'	24"	13			
18'		13			
18'		0	0-4" MHA BROWN/GREY CLAY		
19'	24"	3			
20'		3	4-24" GREY SANDY CLAY (40-50%)		
		5			
		5			

Proportions Used: Trace = 0-10%, Little = 10-20%, Some = 20-35%, And = 35-50%

Sampling Abbreviations: SS = Spill Spoon, ST = Shelby Tube, CSC = Continuous Soil Core

TEST BORING LOG	
BORING NO. <u>145</u>	
PROJECT NO. NAME	LOCATION
DRILLING CONTRACTOR/DRILLER	
GEOLOGIST OFFICE	
DRILLING EQUIPMENT, METHOD	SIZE, TYPE OF BIT
SAMPLING METHOD	START, FINISH CA
WELL INSTALLED? YES <input type="checkbox"/> NO <input type="checkbox"/>	CASING MAT./DIA. SCREEN: TYPE MAT. LENGTH DIA. SLOT SIZE
ELEVATION OF: (FT. ABOVE M.S.L.)	GROUND SURFACE TOP OF WELL CASING TOP & BOTTOM SCREEN GW SURFACE DATE
REMARKS:	

LOG OF TEST BORING					WELL CONST.	GRAPHIC LOG
DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESIST- ANCE BLOWS/FT	DESCRIPTION		
20'				GREY CLAY	SOFT, WET	
22'	18"					
22'				GREY CLAY	WET SAT, WET	
24'	15"			GREY CLAY	SOFT, WET	
24'						
26'	18"					
26'				GREY CLAY	SOFT	
28'	24"				SATURATED	
28'				8-8 GREY CLAY	SATURATED, SOFT	
30'	24"			8-20' GREY CLAY, SOME ROCKS	VERY WET - SAT	

Proportions Used: Trace = 0-10%, Little = 10-20%, Some = 20-35%, And = 35-50%

Sampling Abbreviations: SS = Split Spoon, ST = Shelby Tube, CSC = Continuous Soil Core

TEST BORING LOG

BORING NO.
MW-15

PROJECT NO. NAME
UNION ROAD

LOCATION
ON LANDFILL CAP

DRILLING CONTRACTOR/DRILLER
MAXIM-ENGINE P. JENCE

GEOLOGIST OFFICE
HANSON / SEWATA DANBURY

DRILLING EQUIPMENT METHOD
SSB B/A

SIZE TYPE OF BIT
HSA 6.25" H.S.A

SAMPLING METHOD
SS

START FINISH DATE
2/20/94

WELL INSTALLED? CASING MAT. DIA.
YES ☒ NO ☐ SS 2"

SCREEN TYPE

MAT. SS LENGTH 10' DIA. 1"

SLOT SIZE 0.1"

ELEVATION OF: GROUND SURFACE
(FT. ABOVE M.S.L.) 618.8

TOP OF WELL CASING
620.0'

TOP & BOTTOM SCREEN
618'-600'

GW SURFACE
NA

DATE

2/20/94

REMARKS:

ELEVATION AND DEPTHS RELATIVE TO PRELAP SURFACE

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LOG
2	21	26/32		Partly gravel silt & sand. FINE GRAN. ORG. TAN/BROWN STAIN/GRAN. MOUNT (H2SO4) - LITTLE 1/4" gravel.			
4	11	13/14		TAN/BROWN CLAY, FIRM. NO COARSE MATERIALS REMAINING.			
5	1.5'	27/32		CONCRETE ALL MAT'L CONSEC. BLOWS: SAND GRAVELLY TAN FINE. TAN. 1" SUBSANGULAR BLK. FRAG. TAN FIRM CLAY. NO COARSE MAT'L	Gravel Fine sand Coarse sand		
6	1.5'	11/32		GREY CLAY. NO COARSE MATERIALS, SOFT. TRACE SILT			
8	18	9/16		SAME BUT DARK. SILTY CLAY. TRACE LAMINAE SAME BUT AREA/GRY. SILTY CLAY.			
10	21	5/16		GREY/GRY SILT. SAME CLAY. SOFT.			
12	11.5'	6/16		SAME			
14	11.5'	4/16		SAME			
16	2'	4		SAME			
18				END 19.0'			

BORING NO.

Min-16

TEST BORING LOG

PROJECT NO.. NAME

UNDER ROAD

LOCATION

CAP INTERIOR

DRILLING CONTRACTOR/DRILLER

MAXIM/EMPIRE BENCE

GEOLOGIST/OFFICE

HANSON/SUNWAY

DANBURY

DRILLING EQUIPMENT, METHOD

CME 450

HSA

SIZE, TYPE OF BIT

6 1/4"

SAMPLING METHOD

SS

START, FINISH DATE

2/2/96

WELL INSTALLED?

YES ☒NO ☐

CASING MAT./DIA.

2" SS

SCREEN:

TYPE 0.20

MAT. SS

LENGTH 10 DIA. 2"

SLOT SIZE 0.20

ELEVATION OF:

GROUND SURFACE

TOP OF WELL CASING

TOP & BOTTOM SCREEN

GW SURFACE

DATE

(FT. ABOVE M.S.L.)

618.3 618.9

620.0

48.8 610.0 - 600.0

N/A

2/2/96

REMARKS:

ALL ELEVATIONS AND DEPTHS RELATIVE TO PRE-CAP GRAVE

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LOG
2'	2.0' 35			Hard Brown Clay, 10% Gravel	FOOT		
4'	1.5' 20			Upper 12" same Bottom 6" CEMENT	ORY		
5'	1.0' 8/16			same	ORT		
6'	9" 12/16			TAN SAND, 10% GRV, 10% ANGULAR ROCK FRAGS, WELL GRADED	FINE SAND		
8'	2' 5/16			SOFT TAN/BROWN CLAY, NO COARSE MATERIAL, SLIGHT FC STAINING			
10'	1.5' 5/16			same + trace oil/gravel.			
12'	1.5' 5/16			SAME			
14'	1.5' 4/16			same (20%) 10% ANGULAR ROCK FRAGS, 10% GRV, 10% ANGULAR, IN BOTTOM 6"			
16'	1.0' 12/16			same.	MUSC		
18'				EOB 19.0'			

Proportions Used: Trace = 0-10%, Little = 10-20%, Some = 20-35%, And = 35-50%

Sampling Abbreviations: SS = Split Spoon, ST = Shelby Tube, CSC = Continuous Soil Core

TEST BORING LOG

BORING NO.

MW-17

PROJECT NO. NAME

UNIV. ROAD

LOCATION

LAWRENCE, CALIF.

DRILLING CONTRACTOR/DRILLER

Mason - Engineering P. Bence

GEOLOGIST OFFICE

M. GEMMA / DANIEL

DRILLING EQUIPMENT METHOD

SIZE TYPE OF BIT

0.25" HSA

SAMPLING METHOD

2" SS

START FINISH DATE

2/22/96

WELL INSTALLED?

YES ☒ NO ☐

CASING MAT. DIA.

2" SS

SCREEN:

TYPE

MAT. SS

LENGTH 10' DIA. 2

SLOT SIZE 20

ELEVATION OF: GROUND SURFACE TOP OF WELL CASING TOP & BOTTOM SCREEN GW SURFACE
(FT. ABOVE M.S.L.)

DATE

REMARKS:

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LOG
0'	1.5'	20/16		TAU/BAUN CLAY. FROZEN. NO COARSE MATERIAL	Frozen		
2'	.25'	42/16		BAUN/BAUN LEO SILT SAND. GLAUC. PRESENT. Fe ²⁺ staining.	WET		
4'	1.0'	11/16		TAU/BAUN CLAY. SOFT. NO COARSE MATERIAL. Fe ²⁺ staining	DRY		
6'	1.25'	24/16		BAUN/BAUN CLAY. TRACE ORGANICS. Fe ²⁺ staining. Blue frags.			
8'	1.5'	11/16		BAUN CLAY. 30% organics (wood), TRACE coarse material (clay, gravel), Fe ²⁺			
10'	0.5'	11/16		SOFT BAUN CLAY. Fe ²⁺ staining. NO COARSE MAT'L. TRACE BLUE GRAVEL FINE MAT'L.			
12'	0	7/16		SAME	WET		
14'	0	8/16		NO RECOVERY			
16'	0.5'	11/16		SAME. NO FINE MAT'L. TRACE ORGANICS (anyone good).			
18'	1.5'	14/16		BAUN/BAUN CLAY. 4 BAUN fragments. TRACE ORGANICS (wood). NO COARSE MAT'L. Fe ²⁺ staining (slight)			

Proportions Used: Trace = 0-10%, Little = 10-20%, Some = 20-35%, And = 35-50%

Sampling Abbreviations: SS = Split Spoon, ST = Shelby Tube, CSC = Continuous Soil Core

TEST BORING LOG

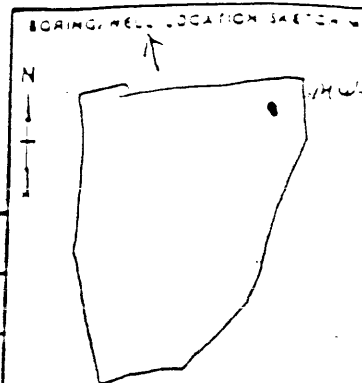
BORING NO. MW-17		TEST BORING LOG					
PROJECT NO.. NAME 17410.0 (2/25)			LOCATION LAM FILL CAP				
DRILLING CONTRACTOR/DRILLER MARIA - EMPIRE D. B. MUE							
GEOLOGIST. OFFICE M. S. W. A. D. A. M. S. W. A.							
DRILLING EQUIPMENT. METHOD 838 HSA		SIZE. TYPE OF BIT 6.25" HSA		SAMPLING METHOD 2" SS		START. FINISH DAT 2/22/46	
WELL INSTALLED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	CASING MAT. DIA. 2" SS	SCREEN: TYPE	MAT. 5'	LENGTH 10'	DIA. 2"	SLOT SIZE 20	
ELEVATION OF: (FT. ABOVE M.S.L.)	GROUND SURFACE 619.1	TOP OF WELL CASING 620'	TOP & BOTTOM SCREEN 605' - 595'	GW SURFACE - 600'	DATE 2/22		
REMARKS: Elevation & Notes relative to PRE-AP TOPS.							

LOG OF TEST BORING				WELL CONST.	GRAPHIC LITHO LOG
DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS
20	2'	14/ft	(3 AM) 6.4/6.4 sec. Y grain staining. Trace organic no carbon mat'l. 3.1/ft. strong		WCT ↓
22	1.5'	15/ft	23.0'	Dark silty sand. trace organic mat'l.	
24				E.O.D. 24.0'	
25					
30					
35					
40					
45					
50					
55					
60					
65					
70					
75					
80					
85					
90					
95					
100					

Proportions Used: Traces = 0-10%, Little = 10-20%, Some = 20-35%, And = 35-50%
Sampling Abbreviations: SS = Split Spoon, ST = Shelby Tube, CSC = Continuous Soil Core



A DIVISION OF DEP
44 SHELTER ROCK ROAD
DANBURY, CT 06810
(203) 796-5279



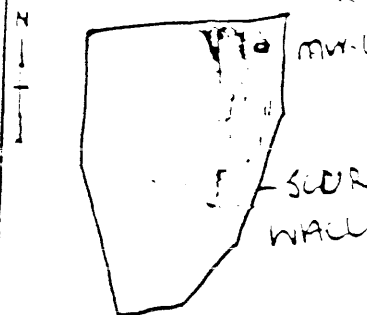
BORING NO. NW-3		TEST BORING LOG	
PROJECT NO. NAME LIXTON ROAD		LOCATION CAP INTERIOR	
DRILLING CONTRACTOR/DRILLER MAXIM ENTERPRISE PHIL BENCE			
GEOLOGIST OFFICE Horton/Swamy, Danbury			
DRILLING EQUIPMENT METHOD CNC 35-		SIZE TYPE OF BIT 1 1/2 HSA	SAMPLING METHOD SS
WELL INSTALLED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		CASING MAT. DIA. SS 2"	SCREEN TYPE MAT. SS
ELEVATION OF: (FT. ABOVE M.S.L.)		GROUND SURFACE 619.1	TOP OF WELL CASING 620.0
		TOP & BOTTOM SCREEN 605.0-595.0	GW SURFACE NA
REMARKS:		ELEVATIONS AND DEPTHS RELATIVE TO PRE-CAP SURFACE	

LOG OF TEST BORING				WELL CONST.	GRAPHIC LITHO LOG
DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT		
DESCRIPTION				REMARKS	
	2'	32/FT	Tan clay, Hard, no coarse, Dry	(Foggy)	
	1'	10/FT	Tan Clay, stiff Firm, No coarse, Dry		
	1'	12/FT	Tan/Gray Clay, F.m, no coarse, Dry	gray →	
	2'	15/FT	Brown clay, stiff Firm, no coarse, Dry		
	1'	12/FT	Same		
10	15'	24/FT	Same w/trace cobbles + SH bottom 6'	Fine sand →	
	15'	27/FT	Same w/trace rock frags (angular, fine)		
15	15'	20/FT	Same (SH closer to 10%)		
	21'	34/FT	Same	coarse sand →	
	15'	41/FT	Same but soft + moist		

Proportions Used: Trace = 0-10%, Little = 10-20%, Some = 20-35%, And = 35-50%
Sampling Abbreviations: SS = Split Spoon, ST = Shelby Tube, CSC = Continuous Soil Core

44 SHELTER ROCK ROAD
DANBURY, CT 06810
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BORING WELL LOCATION MAP



BORING NO. 192-18		TEST BORING LOG	
PROJECT NO. NAME UNION ROAD		LOCATION INSIDE CAP AREA	
DRILLING CONTRACTOR/DRILLER MAXIM/EMPIRE		P. GENCE	
GEOLOGIST OFFICE HANNA/SWARTZ		DANBURY	
DRILLING EQUIPMENT METHOD CMC 850 HSA		SIZE TYPE OF BIT 6/4 HSA	SAMPLING METHOD SS
WELL INSTALLED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		CASING MAT. DIA. 5.2"	SCREEN TYPE MAT. SS LENGTH 10' DIA. 2" SLOT SIZE 0.25"
ELEVATION OF: GROUND SURFACE 619.1		TOP OF WELL CASING 620.0	TOP & BOTTOM SCREEN 605.0 - 595.0
(FT. ABOVE M.S.L.)		GW SURFACE NA	DATE 2/19/96
REMARKS: ELEVATIONS AND DEPTHS RELATIVE TO PRE-CAP SURFACE			

LOG OF TEST BORING				WELL CONST.	GRAPHIC LITHO LOG
DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	DESCRIPTION		
0					
1	9A		Same, Trace Blue Shale Ch. ss		
2	31A		Brown Sand, Clay, 25% organic VERY SOFT Trace Rock Frags Bottom 6" Very Soft wet brown Clay trace rock fragments - maybe largest ~ 1"		
10			EOB 24.5'		
15					

Proportions Used: Trace = 0-10%, Little = 10-20%, Some = 20-35%, And = 35-50%
Sampling Abbreviations: SS = Split Spoon, ST = Shelby Tube, CSC = Continuous Soil Core

MW-19

PROJECT NO.. NAME

Union Road

LOCATION

LANDFILL CAP

DRILLING CONTRACTOR/DRILLER

Man - Emma, 7, 8 and 9

U.S. GEOLOGIST. OFFICE

52-4474 2A-11147

DRILLING EQUIPMENT. METHOD

055 H4

[illegible]

6.25 HSD

SAMPLING METHOD

2. 5.2

[illegible]

2/22/76

WELL INSTALLED?

CASING MAT./DIA.

SCREEN:

MAT. 42

LENGTH 10' DIA. 2" SLOT SIZE 20

SLOT SIZE 20

ELEVATION OF: GROUND SURFACE
(FT. ABOVE M.S.L.) 618.5

TOP OF WELL CASING TOP & BOTTOM SCREEN
617.5' 605' - 595'

GW SURFACE
JAN.

DATE
2/22/96

REMARKS:

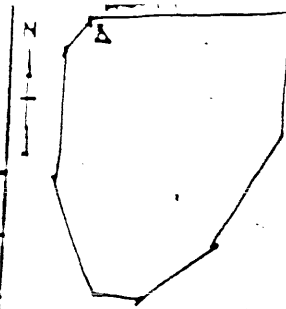
ELEVATION 9 DATA RELATIVE TO PDS-CAP SURFACE

WELL CONST.

GOVERNMENT OF CANADA
MINISTER OF INDUSTRY

LOG OF TEST BORING				WELL CONST.	GRAPHIC HYDRO LOG
DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESIST- ANCE BLOWS/FT	DESCRIPTION	REMARKS
2'	1.25	19/ft	2'	VERY LOOSE SAND, COARSE GRAINED. SAND/CLAY. FINE/CLAY	Fine sand
4'	1.0'	12/ft		Firm = 80.00/ft cut. Fe ²⁺ stain. NO coarse mat.	WET
5'	1.5	15/ft		SAME	
6'	1.5	26/ft	2.0'	SAME WITH TRACE 1/4" GRAVEL (ROUND), V. HARD	WET
8'	0.5	62/ft		TAN, DRY, HARD. CLAY. Fe ²⁺ staining. TRACE GRAVEL PRESENT. SINGLE BUCKLE AND MAT. staining	Fine sand
10'	1.75	24/ft	11'	SAME, FIRM, DRY CUT. TRACE GRAVEL. Angular sub rounded. 1/4" GRAVEL MAT.	WET
12'	1.0	14/ft		SAME, WET, SILTY SAND. SOME GRAVEL PRESENT. PATTEN. COAR. TRACE GRAVEL	Coarse sand
14'	1.0	19/ft		SAME. SILTY SAND. PATTEN. COAR. GRAVEL. PATTEN. COAR.	
16'	1.0	6/ft		SOFT, WET, CLAY/CLAY CUT. BUCK MATTER from organ. TRACE organ. mat. Fe ²⁺ staining. NO coarse mat.	
18'	1.25	11/ft	18.5'	SAME as 10' loc. but with more silty. NO coarse mat. Fe ²⁺ staining. FIRM	E.O.B. 220'

Proportions Used: Trace = 0-10%, Little = 10-20%, Some = 20-35%, And = 35-50%
Sampling Abbreviations: SS = Split Spoon, ST = Shelby Tube, CSC = Continuous Soil Core



BORING NO. MW-19		TEST BORING LOG			
PROJECT NO. NAME UNION ROAD			LOCATION LANDFILL CAP		
DRILLING CONTRACTOR/DRILLER MAXIM-EMERSON, P. BENCE					
GEOLOGIST OFFICE SQUAWA, DAKOTA					
DRILLING EQUIPMENT METHOD 95B HSA		SIZE TYPE OF BIT 6.25" HSA		SAMPLING METHOD 2" SS	START FINISH DATE 2/23/96
WELL INSTALLED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	CASING MAT. DIA. 2" SS	SCREEN: TYPE	MAT. SS	LENGTH 10' DIA. 2"	SLOT SIZE 20
ELEVATION OF: (FT. ABOVE M.S.L.)	GROUND SURFACE 618.5'	TOP OF WELL CASING 617.5'	TOP & BOTTOM SCREEN 605' - 595'	GW SURFACE unk.	DATE 2/23/96
REMARKS: Elevations & depths relative to 728' cap elev.					

LOG OF TEST BORING						WELL CONST.	GRAPHIC LITHO LOG
DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESIST- ANCE BLOWS/FT	DESCRIPTION	REMARKS		
0				← 20' E.O.B. →			
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
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17							
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40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							

Proportions Used: Trace = 0-10%, Little = 10-20%, Some = 20-35%, And = 35-50%
 Sampling Abbreviations: SS = Split Spoon, ST = Shelby Tube, CSC = Continuous Soil Core

TEST BORING LOG

BORING NO.
MW-20

PROJECT NO.. NAME

UNION RD

LOCATION

INTERIOR CAP

DRILLING CONTRACTOR/DRILLER

MAXIM/EMPIRE

BENCE/BOITACKER

GEOLOGIST, OFFICE

HANCON/SWARTZ

DANBURY

DRILLING EQUIPMENT, METHOD

CME 850

HSA

SIZE, TYPE OF BIT

6 1/4"

SAMPLING METHOD

SS

START, FINISH DATE

2/2/96

WELL INSTALLED?

YES ☒ NO ☐

CASING MAT. DIA.

4 1/2"

SCREEN:

TYPE

MAT. SS

LENGTH 10'

DIA. 7"

SLOT SIZE 0.20

ELEVATION OF:

GROUND SURFACE

TOP OF WELL CASING

TOP & BOTTOM SCREEN

GW SURFACE

DATE

(FT. ABOVE M.S.L.)

624.6

627.0

607.0 - 597.0

NA

2/2/96

REMARKS:

ELEVATION AND DEPTHS RELATIVE TO PRE-CAD SURFACE

LOG OF TEST BORING

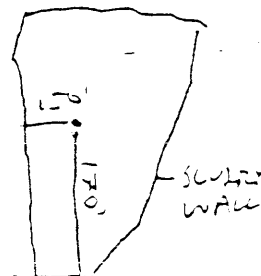
DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHO LOG
1.5	8			Brown clay; NO COARSE, FROZEN, BOTTOM 4" Black w/15% organics	FROZEN		
1.0	26			FIRM Brown clay trace organics + silt	moist		
1.5	19			Same			
2'	14			BOTTOM 12" Black fine granular material w/charcoal odor, 10% organics 10% "Fiber BOARDS"	moist		
1.5	24			Black fine clay 10% organics trace 1/2" Rock frags	moist		
5"	16			BOTTOM 4" Fine tan clay, no coarse First 6" Same w/organics 1" Gray soft clay Next 6" Red sand w/Black clinders same clay Next 6" White clinky ash w/30% wood	moist		
0.5'	8			Soft tan clay, no coarse	wet		
2	8			Fine sand/silt red w/Black stringy 10% organics	moist		
1.5	3			Same trace organics	wet		
1.0	3			Brown clay + sand w/Black stringy, strong Petroleum odor, sheering, 20% Rock frags upto 0.5"	wet		

Proportions Used: Trace = 0-10%, Little = 10-20%, Some = 20-35%, And = 35-50%

Sampling Abbreviations: SS = Split Spoon, ST = Shelby Tube, CSC = Continuous Soil Core

TEST BORING LOG

BORING NO. <u>MW-20</u>		LOCATION <u>INTERIOR OF CAD</u>	
PROJECT NO. NAME <u>UNION ROAD</u>		DRILLING CONTRACTOR/DRILLER <u>MAXIM/EMERLE</u>	
GEOLOGIST OFFICE <u>HANLON/SWARTH</u>		DANBURY	
DRILLING EQUIPMENT METHOD <u>CME 850</u>	SIZE TYPE OF BIT <u>HSA</u>	SAMPLING METHOD <u>SS</u>	START FINISH DATE <u>2/21/96</u>
WELL INSTALLED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	CASING MAT. DIA. <u>SS 2"</u>	SCREEN: TYPE <u>SS</u>	LENGTH <u>10'</u> DIA. <u>2"</u> SLOT SIZE <u>0-10</u>
ELEVATION OF: GROUND SURFACE <u>624.6</u>	TOP OF WELL CASING <u>627.0</u>	TOP & BOTTOM SCREEN <u>607.0-597.0</u>	GW SURFACE <u>NA</u>
REMARKS: <u>ELEVATIONS AND DEPTHS RELATIVE TO PRE-CAD GRADE</u>			



LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LOG
0	3			<u>NO RECORD</u>			
2.0	8			<u>SOME W/TKS UP TO 1.5" GRADES INTO FINER MATERIAL w/50% ORGANICS</u>			
2.5	7			<u>BOTTOM 3" BLACK LAY, NO COARSE, TRACE ORGANIC</u>			
				<u>GRAY CLAY, TRACE 1/8" COARSE, NO COAR, NO PETROLEUM</u>			
	6			<u>SOME NO ROCK FRGS</u>			
				<u>EOB 29.0'</u>			

COARSE SAND

TEST BORING LOG

BORING NO.

MW-21

PROJECT NO. NAME

Union Road

LOCATION

LANOAH CAP

DRILLING CONTRACTOR/DRILLER

MAXIM-SPINIZG

GEOLOGIST, OFFICE

SEWATA/HANLEY DANIEL

DRILLING EQUIPMENT, METHOD

QSB HSA

SIZE, TYPE OF BIT

6.25" HSA

SAMPLING METHOD

2" SS

START, FINISH DATE

2/22/96

WELL INSTALLED?

YES ☒

NO ☐

CASING MAT. DIA.

2" SS

SCREEN:

TYPE

MAT. S.S.

LENGTH 10' DIA. 2"

SLOT SIZE 20

ELEVATION OF:

GROUND SURFACE

TOP OF WELL CASING

TOP & BOTTOM SCREEN

GW SURFACE

DATE

(FT. ABOVE M.S.L.)

623.4

625'

595' - 605'

UNK

2/22/96

REMARKS:

All elevations & depths relative to PRE-CAP LAND

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHO LOG
2'	41/4			Brown fine sand.	fine		
2'				Black clay and sand. Clay full maximum trace of organic. Moist/very hard.			
1.25'	UNK.			sand	As hammered in SS		
4'					blow. use max. 24" hammer.		
5'	9/4			SAME 1/2 clay/sand clay. Fe staining. 10-15% organic.	021		
6'				Black clay clumps present.			
1'	50/4			Light tan, dry, sand. Gravel. No frags. Any max 1/4" -			
5'				Black sand red. Under fine material. Dry. Tan frags. Red frags 1" long.			
1'	7/4			Medium sand. Sand. Properly graded. Dry.			
10'				Sand & gravel (1/4") red. Under frags. Rounded.			
				Dark sand. Fine sand. Trace organic. 025.			
12.5'	9/4			Dark sand. 25' sand. No clumps & material. Dry.			
12'				Fe staining			
0'	15/4						
15'	5/4			sand			
15'							
15'	9/4			Red silty sand. w/o gravel & fine mat.	021.5		
15'							
	4/4			sand			

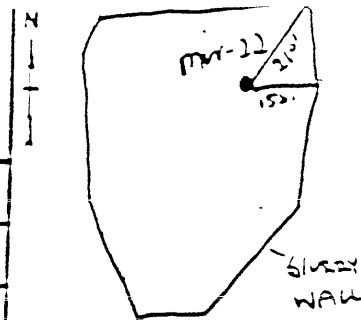
Proportions Used: Trace = 0-10%, Little = 10-20%, Some = 20-35%, And = 35-50%
Sampling Abbreviations: SS = Split Spoon, ST = Shelby Tube, CSC = Continuous Soil Core

LOG OF TEST BORING				WELL CONST.	GRAPHIC LOG	
DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT			DESCRIPTION
12	425	40/ft		2000. 2nd Rock Blows 56 blowing		
14	126	10/ft		Blue silty sand. Approx Rock Blows 5-10 per foot.		
15	127	11/ft		Grey clay in white material		
				EOB 26'		

Proportions Used: Traces = 0-10%, Little = 10-20%, Some = 20-35%, And = 35-50%
Sampling Abbreviations: SS = Split Spoon, ST = Shelby Tube, CSC = Continuous Soil Core

TEST BORING LOG

Boring No. <u>Nov-22</u>		TEST BORING LOG			
PROJECT NO.. NAME <u>Union Road</u>		LOCATION <u>Enloe Landfill Cap</u>			
DRILLING CONTRACTOR/DRILLER <u>Maxim Empire</u>		<u>D. DeWitt</u>			
GEOLOGIST, OFFICE <u>HANLON/SCHWAB</u>		<u>Daniel</u>			
DRILLING EQUIPMENT, METHOD <u>CME 353, HSA</u>		SIZE, TYPE OF BIT <u>6.25" HSA</u>		SAMPLING METHOD <u>SS</u>	
				START, FINISH DATE <u>2/20/96</u>	
WELL INSTALLED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	CASING MAT./DIA. <u>2" SS</u>	SCREEN: TYPE <u>10 slot</u>	MAT. <u>SS</u>	LENGTH <u>10'</u>	DIA. <u>2"</u>
ELEVATION OF: GROUND SURFACE (FT. ABOVE M.S.L.) <u>623.4</u>		TOP OF WELL CASING <u>626.40</u>	TOP & BOTTOM SCREEN <u>606.0' - 596.0'</u>	GW SURFACE <u>NA</u>	
REMARKS: <u>~2' no. 20 mesh above current surface</u>		<u>PRE-CAP SURFACE</u>			



LOG OF TEST BORING					WELL CONST.	GRAPHIC HYDRO LOG
DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESIST- ANCE BLOWS/FT	DESCRIPTION		
2	2'	13/16		TAN CLAY, WET. FIRM. BOTTOM 6" POTENTIAL, D-100K STAINLY, 20% organic CLAY MAT'L		
	1'	5/16		SAME. NOT AS COARSE		
4						
5	1.5'	12/16		SAME 260 FINE/MED. SAND. NO FINESS. HOUSLEY 62 R061		
6						
	1'	10/16		SAME CLAYER FILL MATERIAL, COARSE BLACK MATERIAL, RICE BEANS TO 1/2"		
8	1'	5/16		SAME w/ 1/2" RICE BEAN-LIKE MAT'L.		
10						
	1'	4/16		SAME		
12						
	1'	3/16		SAME w/ wood waste & Fe staining		
14						
15	1'	2/16		SAME	Fine sand →	
16						
	1'	2/16		SAME	Coarse sand →	
18						
	1'	6/16		SAME w/ brick frags.		

Proportions Used: Trace = 0-10%, Little = 10-20%, Some = 20-35%, And = 35-50%

TEST BORING LOG

BORING NO.

MW-22

PROJECT NO. NAME

UNION ROAD

LOCATION

INSIDE CAP

DRILLING CONTRACTOR/DRILLER

MAXIM-ENGINE

P. JENCK

GEOLOGIST, OFFICE

HAMILTON / SBRWMA

DANIEL

DRILLING EQUIPMENT METHOD

CME 835

SIZE TYPE OF BIT

6.25" HSA

SAMPLING METHOD

SS

START FINISH DATE

2/20/96

WELL INSTALLED?

CASING MAT. DIA.

SCREEN:

YES ☒ NO ☐

2" SS

TYPE

MAT. SS

LENGTH 10' DIA. 2" SLOT SIZE 10

ELEVATION OF:

GROUND SURFACE

TOP OF WELL CASING

TOP & BOTTOM SCREEN

GW SURFACE

DATE

(FT. ABOVE M.S.L.)

623.4

626.40

606'

596'

NA

2/20/96

REMARKS:

PRE-CAP SURFACE

LOG OF TEST BORING

WELL CONST.

GRAPHIC
LITHO LOG

DEPTH (FT)

SAMPLE NO. AND TYPE

RECOVERY (FT)

PENETRATION RESIST-
ANCE BLOWS/FT

DESCRIPTION

REMARKS

64

15/16

ANGULAR GRAVELLY MAT'L. 18% LIME, 80% S. S. (SAND). TRACES OF
2" AG-100 ROLL.

6"

15/16

SAME

1'

11/16

CR. S. CLAY, FINE, T. H. C. L. S. NO COARSE
MAT'L.

2'

9/16

SAME

EOB 28.0'

Coarse
sand

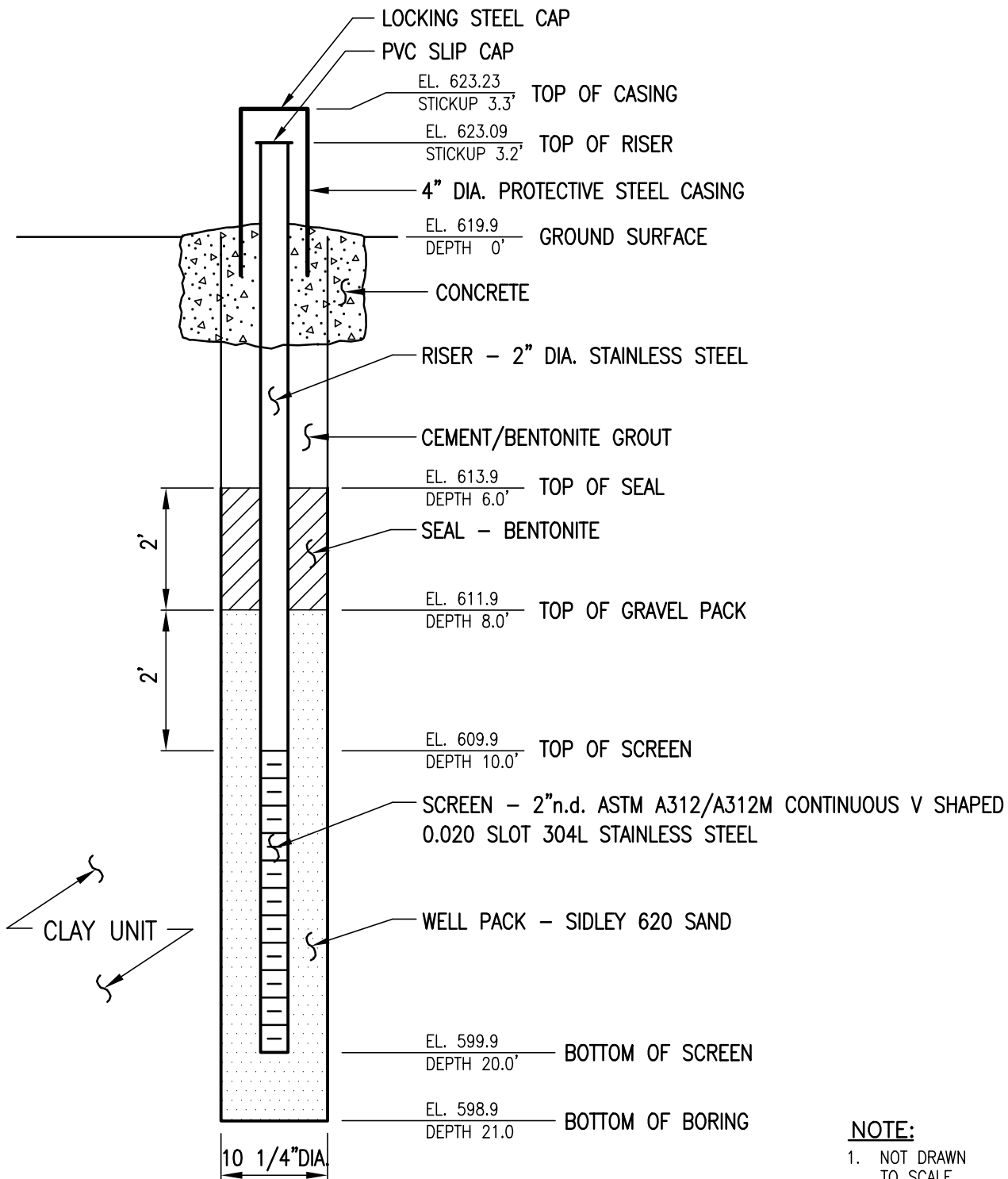
TEST BORING LOG			
BORING NO. <u>235</u>			
PROJECT NO. NAME <u>Union Road 7035-200</u>	LOCATION <u>Buffalo NY</u>		
DRILLING CONTRACTOR/DRILLER <u>Maxim</u>			
GEOLOGIST. OFFICE <u>JOHN J ZACHER JR</u>			
DRILLING EQUIPMENT. METHOD <u>HSA</u>	SIZE TYPE OF BIT <u>1 1/2" HSA</u>	SAMPLING METHOD <u>SPLIT SPOON</u>	START. FINISH DA <u>1-6-97</u>
WELL INSTALLED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	CASING MAT./DIA. <u>STAINLESS STEEL 12"</u>	SCREEN: TYPE <u>SLOT</u> MAT. <u>STAINLESS</u>	LENGTH <u>10'</u> DIA. <u>2"</u> SLOT SIZE <u>0.025"</u>
ELEVATION OF: GROUND SURFACE		TOP OF WELL CASING TOP & BOTTOM SCREEN GW SURFACE	
REMARKS:			

LOG OF TEST BORING					WELL CONST.	GRAPHIC ELEVATION
DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESIST- ANCE BLOWS/FT	DESCRIPTION		
				SAMPLING STARTS 2' BG.		
2'	-	4		0-4 TUFFIL AND SAND		
	15"	7		4-15 RED/BROWN CLAY	STIFF - DRY	
4'		9		15-18 RED/BROWN CLAY, SOME CGG.	STIFF TAKE H2O	
4		4		0-45 RED/BROWN CLAY	STIFF, TAKE H2O	
5		6		15-21 SOME MOISTURE		
6	21"	6				
6		8		0-10 RED/BROWN CLAY	MED STIFF DAMP	
	24"	6		10-14 RED/BROWN - GREY CLAY	MED STIFF DAMP	
8		4		14-24 GREY CLAY	MED STIFF, DAMP	
8		2		GREY CLAY, LITTLE SAND, LITTLE RAS	SOFT, WET	
	12"	2				
10		2				
10		2		GREY CLAY, LITTLE SAND, LITTLE RAS	SOFT WET	
	17"	6				
12		5				
12		4		GREY CLAY, LITTLE SAND, LITTLE RAS	SOFT WET	
	8"	3				
14		4				
14		4		GREY CLAY, LITTLE SAND LITTLE RAS	SOFT, WET	
15		4				
16	6"	3				
		3				

Proportions Used: Trace = 0-10%, Little = 10-20%, Some = 20-35%, And = 35-50%

Sampling Abbreviations: SS = Split Spoon, ST = Shelby Tube, CSC = Continuous Soil Core

MW-10S

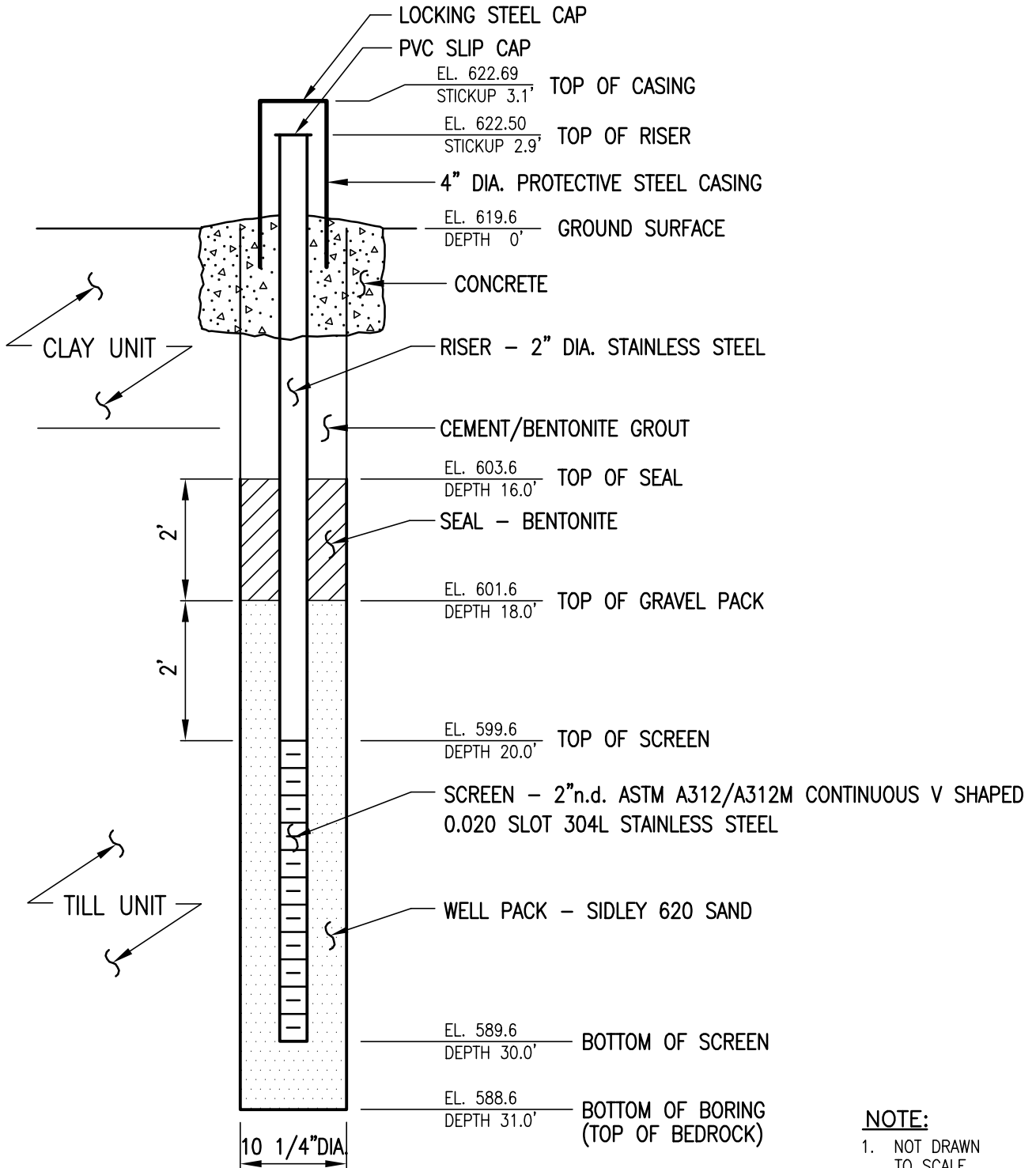


NOTE:

1. NOT DRAWN TO SCALE
2. SEE BORING LOG FOR DETAILED SOIL DESCRIPTION.

REVISION NO.		PROJECT	UNION ROAD CHEEKTOWAGA, NEW YORK	 <div>Unicorn Management Consultants, LLC</div> <div>52 FEDERAL ROAD DANBURY, CT (203) 205-9000</div>	PROJECT # 2011-200	
NO.	DATE				FILENAME: 2035200A	SCALE: NTS
DRAWING		SHALLOW GROUNDWATER MONITORING WELL DETAIL	BY: AD			CK:
			FIGURE # MW-10S			

MW-10M

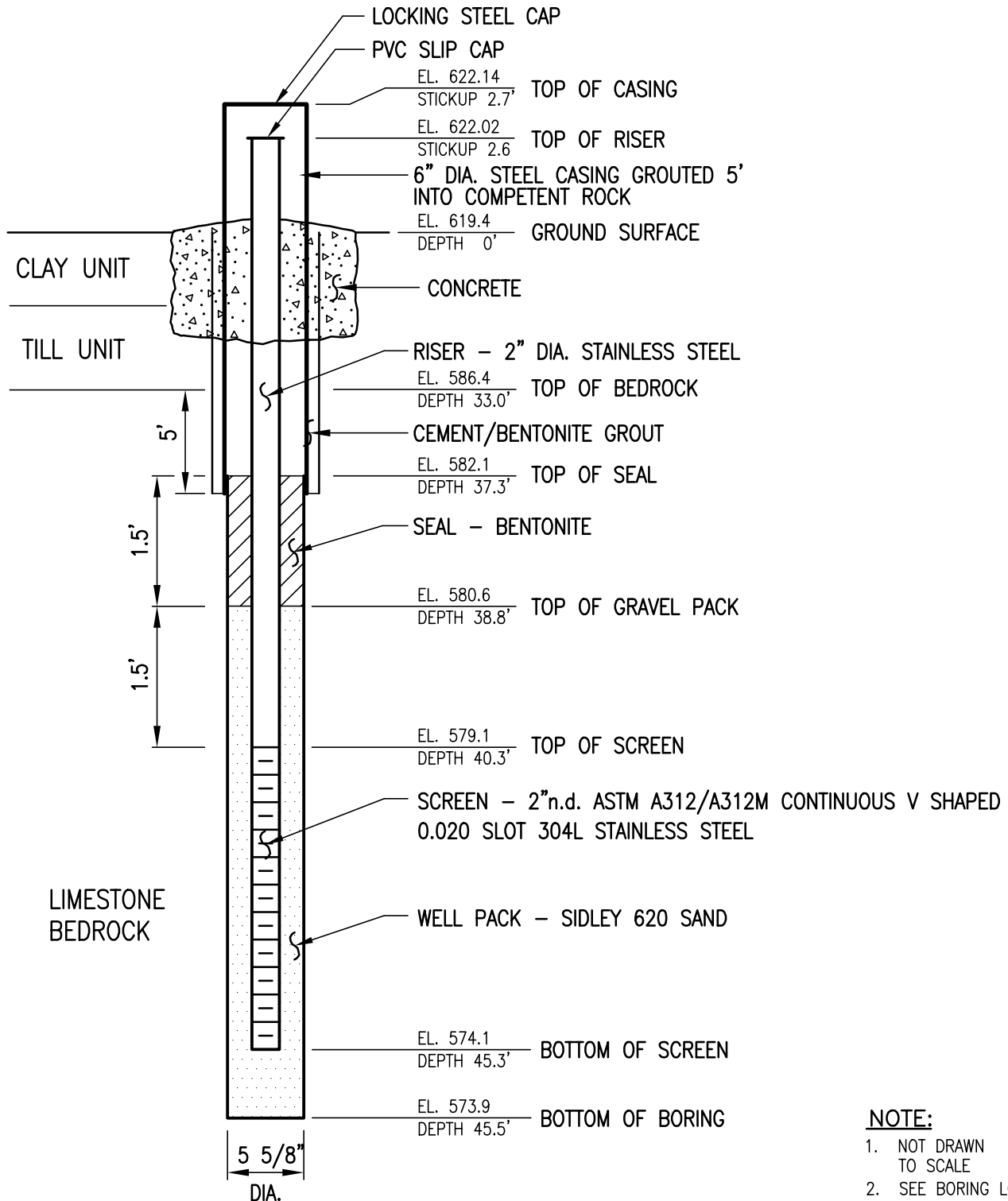


NOTE:

1. NOT DRAWN TO SCALE
2. SEE BORING LOG FOR DETAILED SOIL DESCRIPTION.


REVISION NO.		PROJECT	UNION ROAD CHEEKTOWAGA, NEW YORK	 Unicorn Management Consultants, LLC 52 FEDERAL ROAD DANBURY, CT (203) 205-9000	PROJECT # 2011-200
NO.	DATE				
		DRAWING	MEDIUM GROUNDWATER MONITORING WELL DETAIL		FILENAME: 2035200A SCALE: NTS DATE: 1/15/02 BY: AD CK: FIGURE # MW-10M

MW-10D

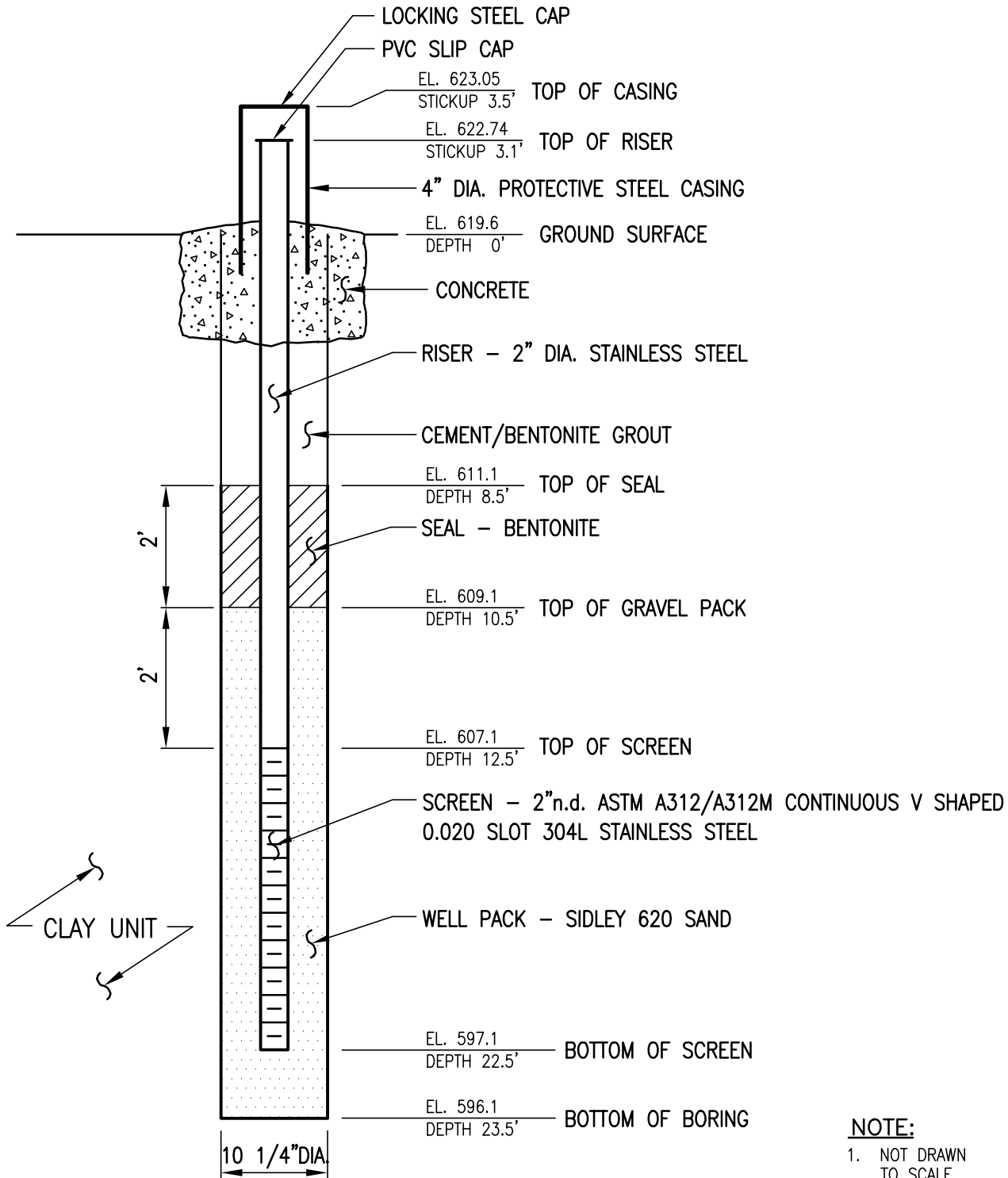


NOTE:

1. NOT DRAWN TO SCALE
2. SEE BORING LOG FOR DETAILED SOIL DESCRIPTION.

REVISION NO.		PROJECT	UNION ROAD CHEEKTOWAGA, NEW YORK		PROJECT # 2011-200
NO.	DATE				
		DRAWING	BEDROCK GROUNDWATER MONITORING WELL DETAIL	FILENAME: 2035200A SCALE: NTS BY: AD DATE: 1/15/02 CK:	FIGURE # MW-10D

MW-11S

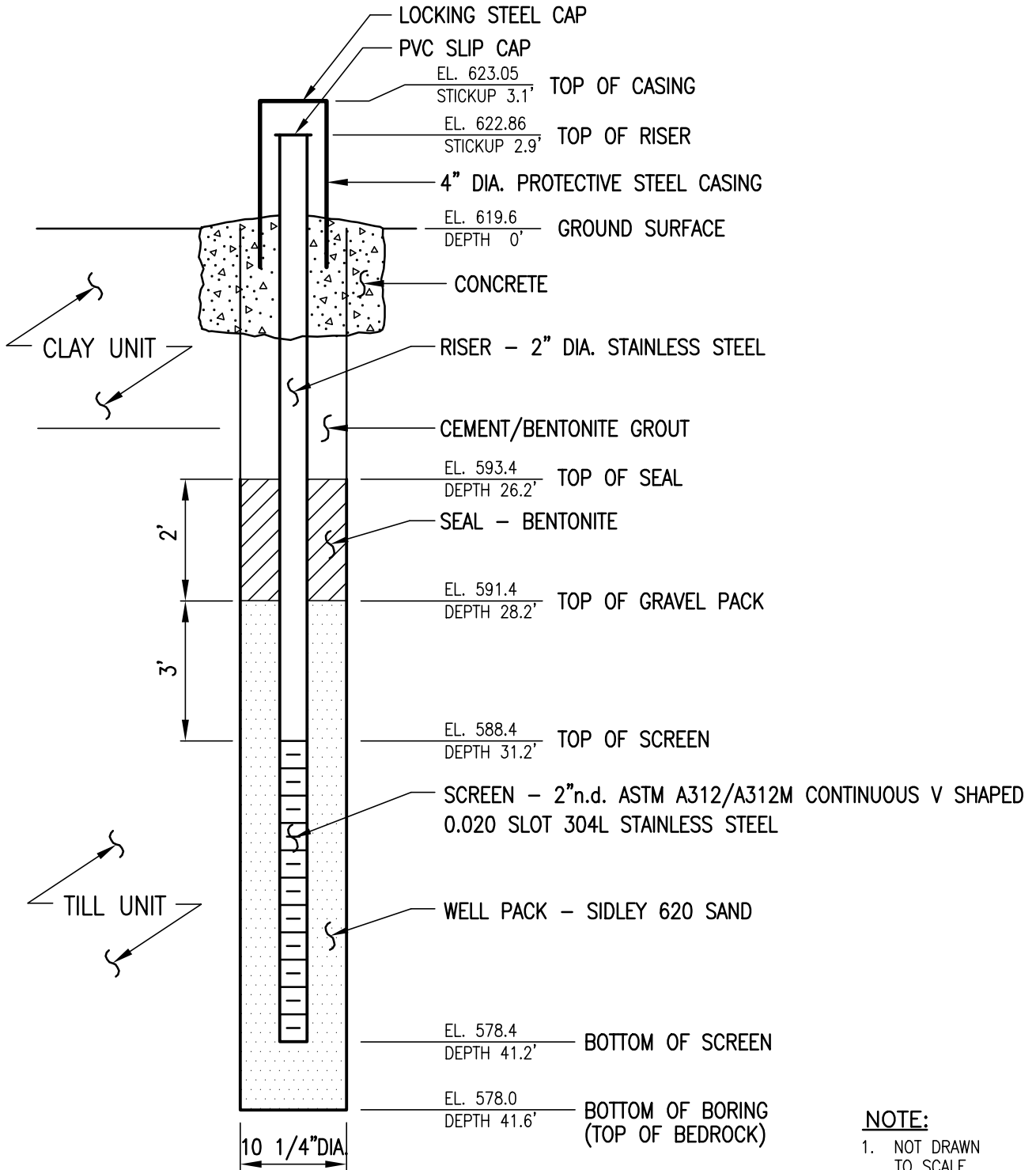


NOTE:

1. NOT DRAWN TO SCALE
2. SEE BORING LOG FOR DETAILED SOIL DESCRIPTION.

REVISION NO.		PROJECT	UNION ROAD CHEEKTOWAGA, NEW YORK		PROJECT # 2011-200
NO.	DATE				
		DRAWING	SHALLOW GROUNDWATER MONITORING WELL DETAIL	Unicom Management Consultants, LLC 52 FEDERAL ROAD DANBURY, CT (203) 205-9000	FILENAME: 2035200A SCALE: NTS BY: AD DATE: 1/15/02 CK: FIGURE # MW-11S

MW-11M

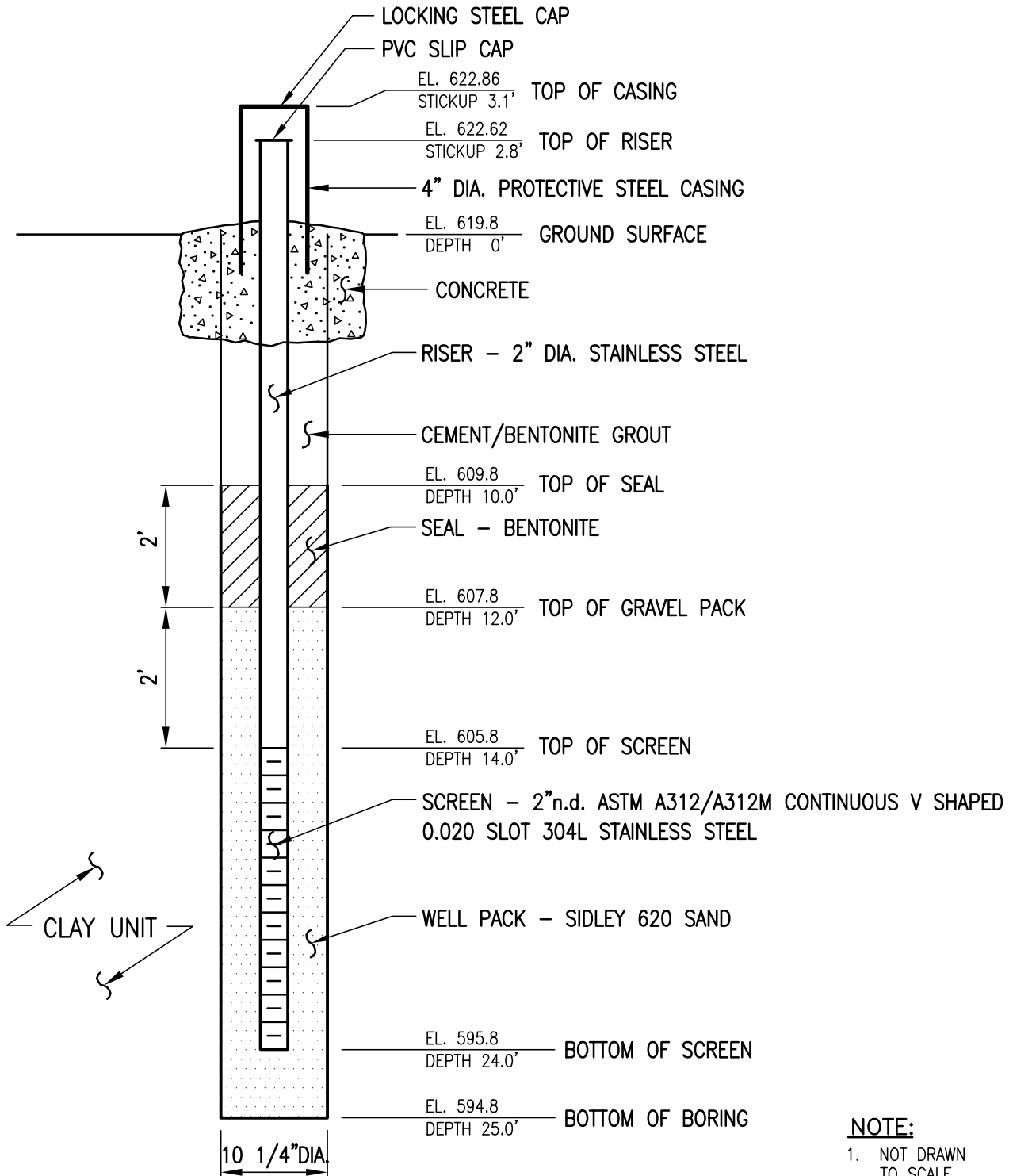


NOTE:

1. NOT DRAWN TO SCALE
2. SEE BORING LOG FOR DETAILED SOIL DESCRIPTION.


REVISION NO.		PROJECT	UNION ROAD CHEEKTOWAGA, NEW YORK		PROJECT # 2011-200
NO.	DATE				
		DRAWING	MEDIUM GROUNDWATER MONITORING WELL DETAIL	Unicorn Management Consultants, LLC 52 FEDERAL ROAD DANBURY, CT (203) 205-9000	FILENAME: 2035200A SCALE: NTS DATE: 1/15/02 BY: AD CK: FIGURE # MW-11M

MW-12S

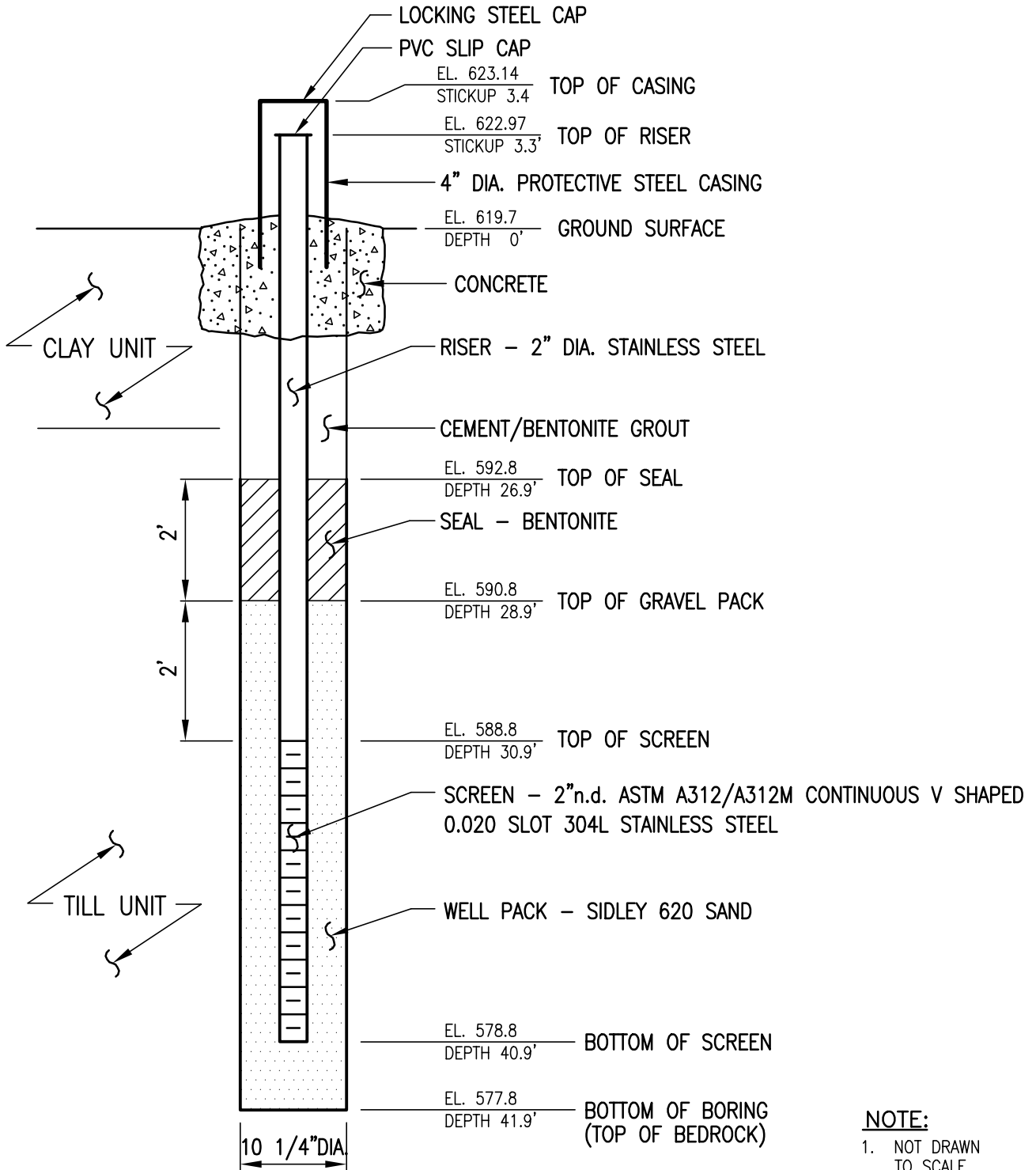


NOTE:

1. NOT DRAWN TO SCALE
2. SEE BORING LOG FOR DETAILED SOIL DESCRIPTION.


REVISION NO.		PROJECT	UNION ROAD CHEEKTOWAGA, NEW YORK		PROJECT # 2011-200
NO.	DATE				
		DRAWING	SHALLOW GROUNDWATER MONITORING WELL DETAIL	SCALE: NTS BY: AD DATE: 1/15/02 CK:	FILENAME: 2035200A FIGURE # MW-12S

MW-12M

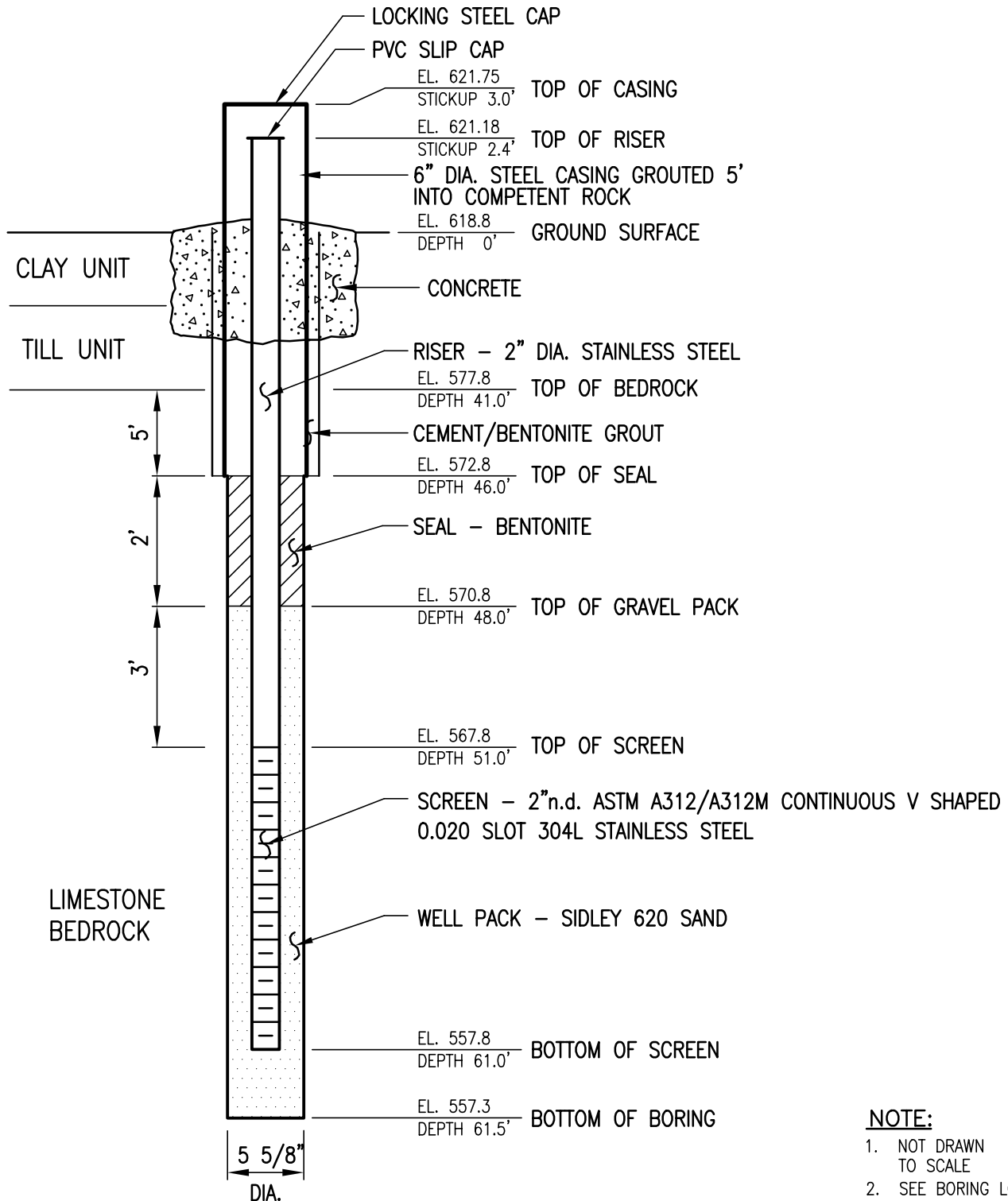


NOTE:

1. NOT DRAWN TO SCALE
2. SEE BORING LOG FOR DETAILED SOIL DESCRIPTION.


REVISION NO.		PROJECT	UNION ROAD CHEEKTOWAGA, NEW YORK	 Unicorn Management Consultants, LLC 52 FEDERAL ROAD DANBURY, CT (203) 205-9000	PROJECT # 2011-200 FILENAME: 2035200A SCALE: NTS DATE: 1/15/02 BY: AD CK:
NO.	DATE				
		DRAWING	MEDIUM GROUNDWATER MONITORING WELL DETAIL		FIGURE # MW-12M

MW-12D

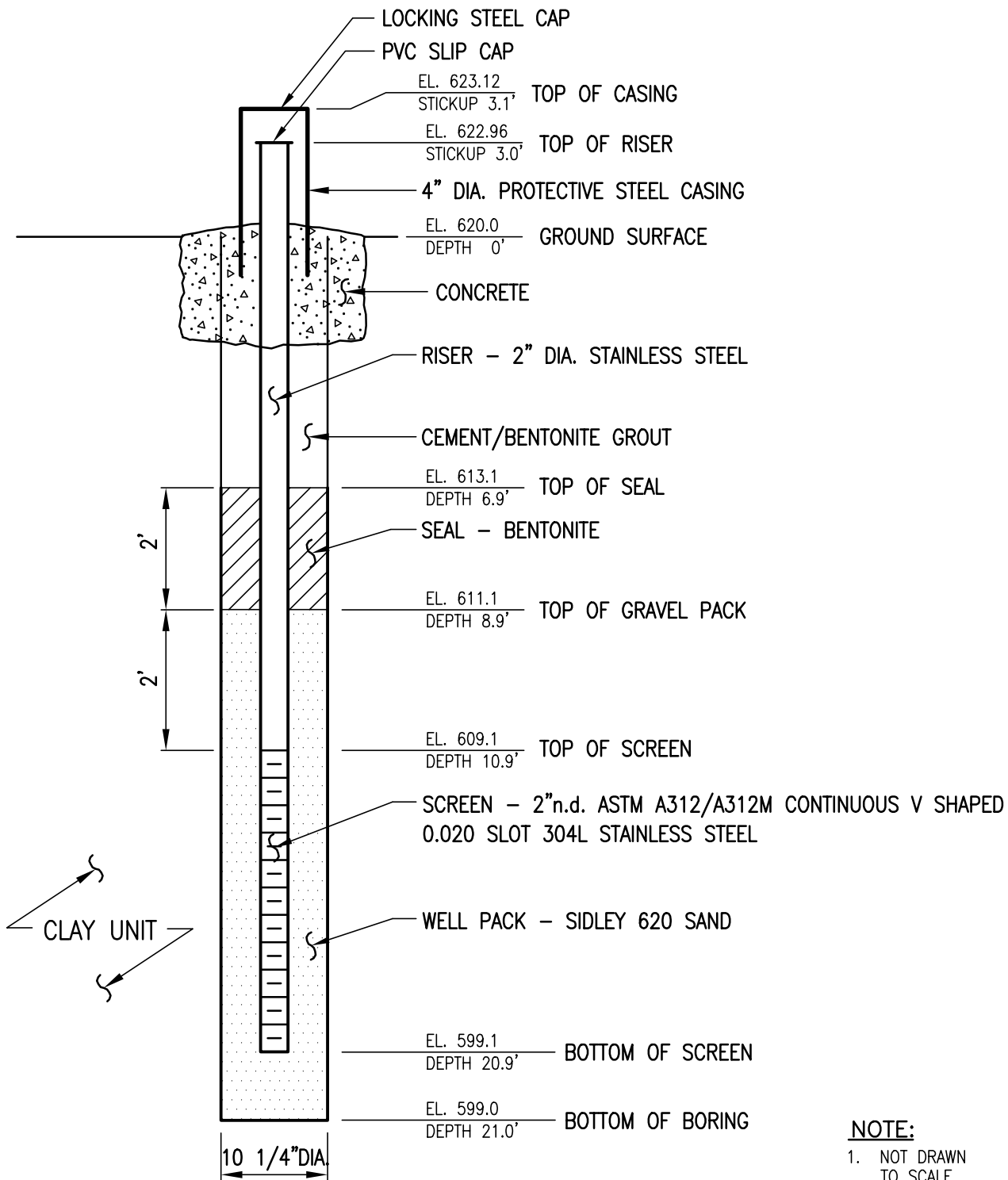


NOTE:

1. NOT DRAWN TO SCALE
2. SEE BORING LOG FOR DETAILED SOIL DESCRIPTION.

REVISION NO.		PROJECT	UNION ROAD CHEEKTOWAGA, NEW YORK	 <div>Unicorn Management Consultants, LLC</div> <div>52 FEDERAL ROAD DANBURY, CT (203) 205-9000</div>	PROJECT # 2011-200	
NO.	DATE				FILENAME: 2035200A	SCALE: NTS
		DRAWING	BEDROCK GROUNDWATER MONITORING WELL DETAIL		BY: AD	CK:
					FIGURE # MW-12D	

MW-13S

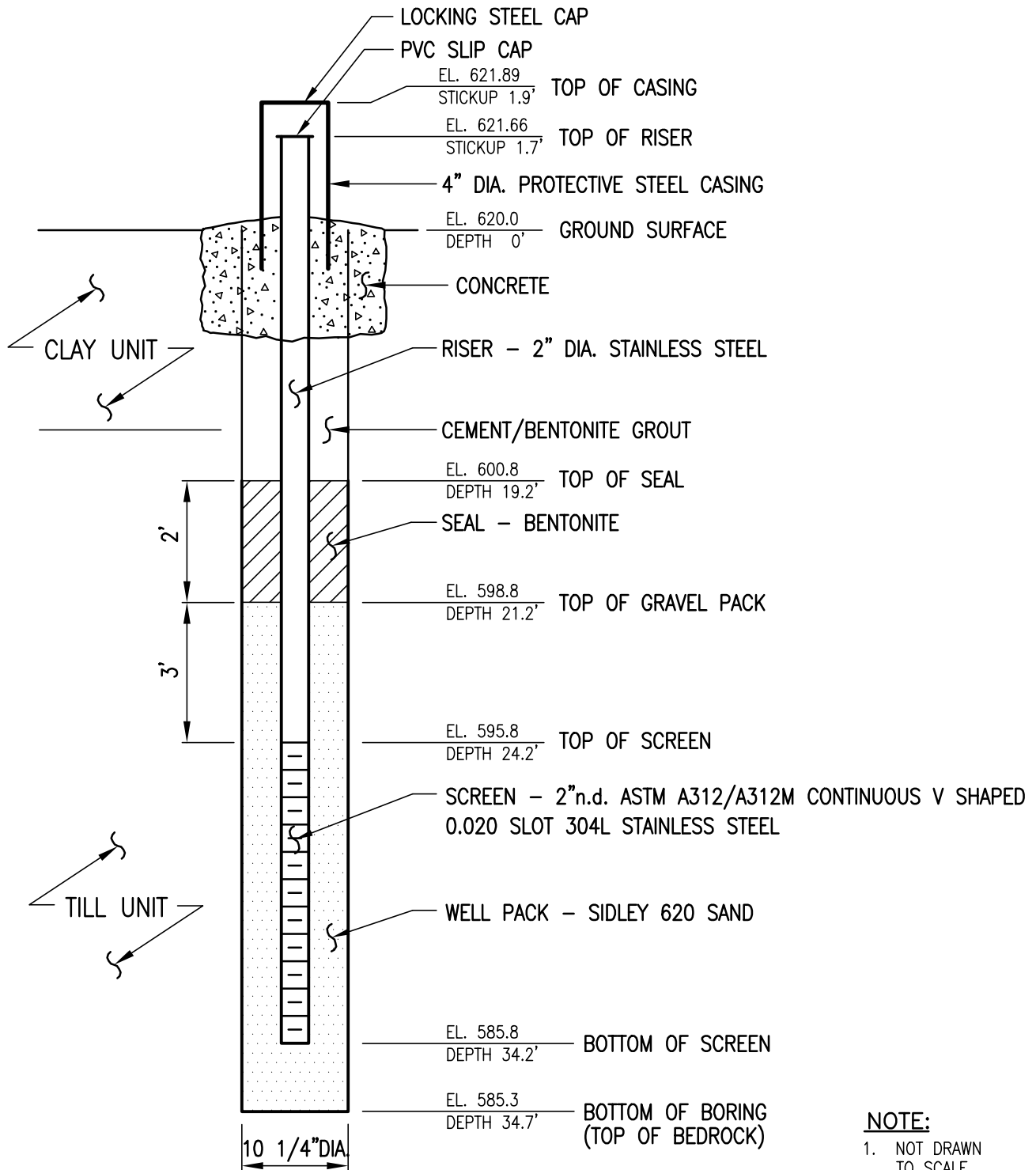


NOTE:

1. NOT DRAWN TO SCALE
2. SEE BORING LOG FOR DETAILED SOIL DESCRIPTION.


REVISION NO.		PROJECT	UNION ROAD CHEEKTOWAGA, NEW YORK		PROJECT # 2011-200
NO.	DATE				
		DRAWING	SHALLOW GROUNDWATER MONITORING WELL DETAIL	Unicorn Management Consultants, LLC 52 FEDERAL ROAD DANBURY, CT (203) 205-9000	FILENAME: 2035200A SCALE: NTS BY: AD DATE: 1/15/02 CK: FIGURE # MW-13S

MW-13M

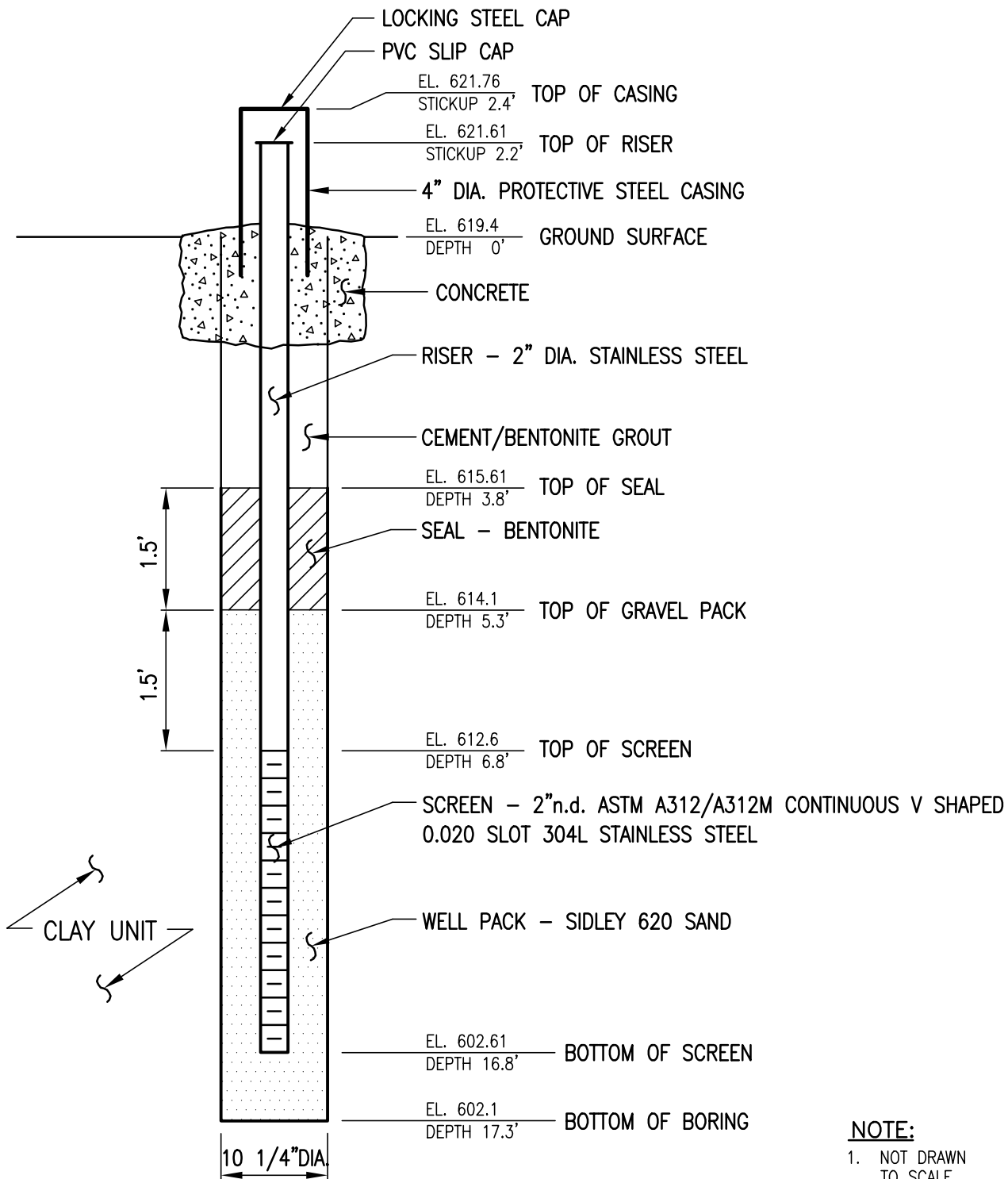


NOTE:

1. NOT DRAWN TO SCALE
2. SEE BORING LOG FOR DETAILED SOIL DESCRIPTION.

REVISION NO.		PROJECT	UNION ROAD CHEEKTOWAGA, NEW YORK	 <div>Unicorn Management Consultants, LLC</div> <div>52 FEDERAL ROAD DANBURY, CT (203) 205-9000</div>	PROJECT # 2011-200	
NO.	DATE				FILENAME: 2035200A	SCALE: NTS
		DRAWING	MEDIUM GROUNDWATER MONITORING WELL DETAIL		BY: AD	CK:
					FIGURE # MW-13M	

MW-14S

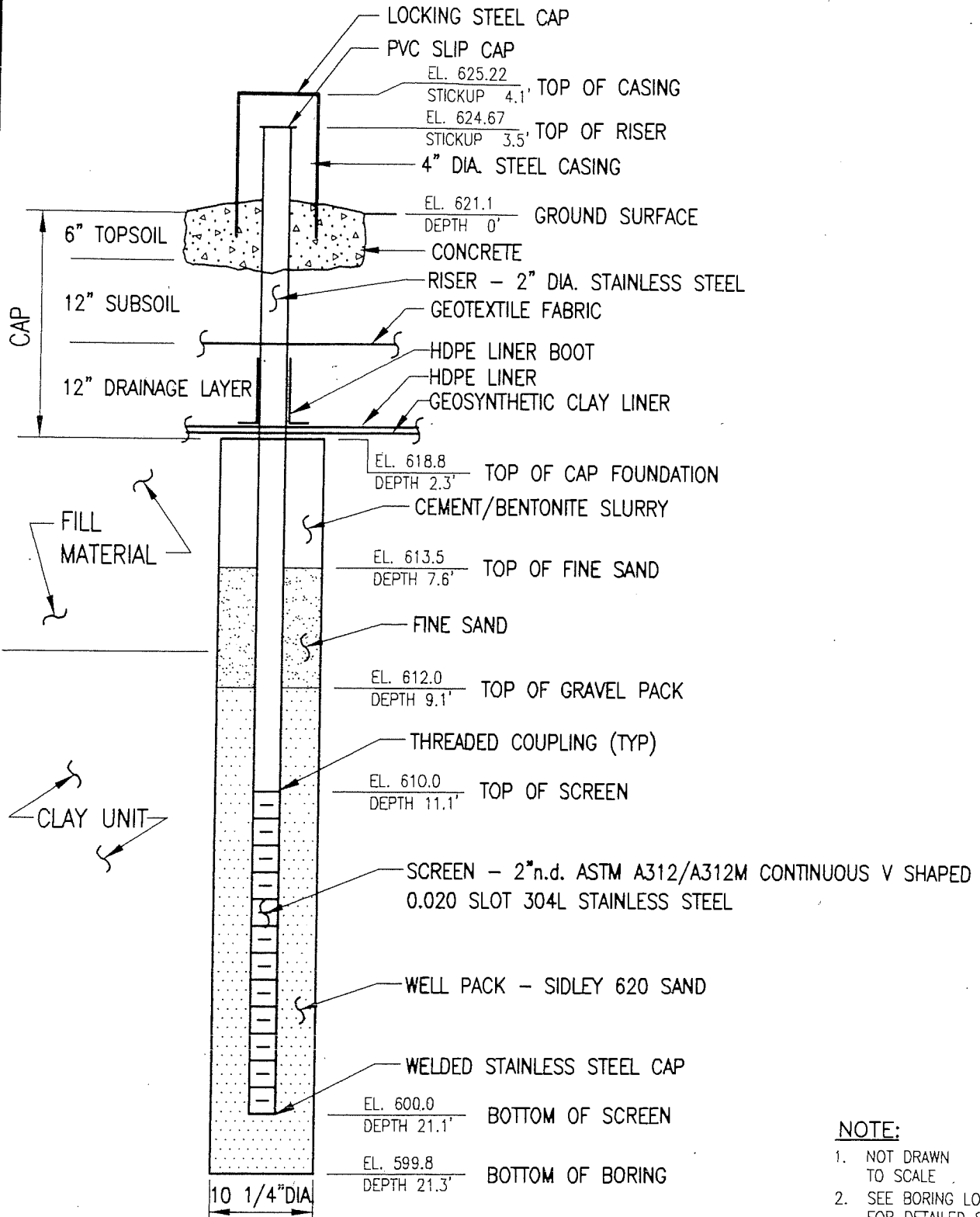


NOTE:

1. NOT DRAWN TO SCALE
2. SEE BORING LOG FOR DETAILED SOIL DESCRIPTION.


REVISION NO.		PROJECT	UNION ROAD CHEEKTOWAGA, NEW YORK		PROJECT # 2011-200
NO.	DATE				
		DRAWING	SHALLOW GROUNDWATER MONITORING WELL DETAIL	Unicorn Management Consultants, LLC 52 FEDERAL ROAD DANBURY, CT (203) 205-9000	FILENAME: 2035200A SCALE: NTS BY: AD DATE: 1/15/02 CK: FIGURE # MW-14S

MW-15

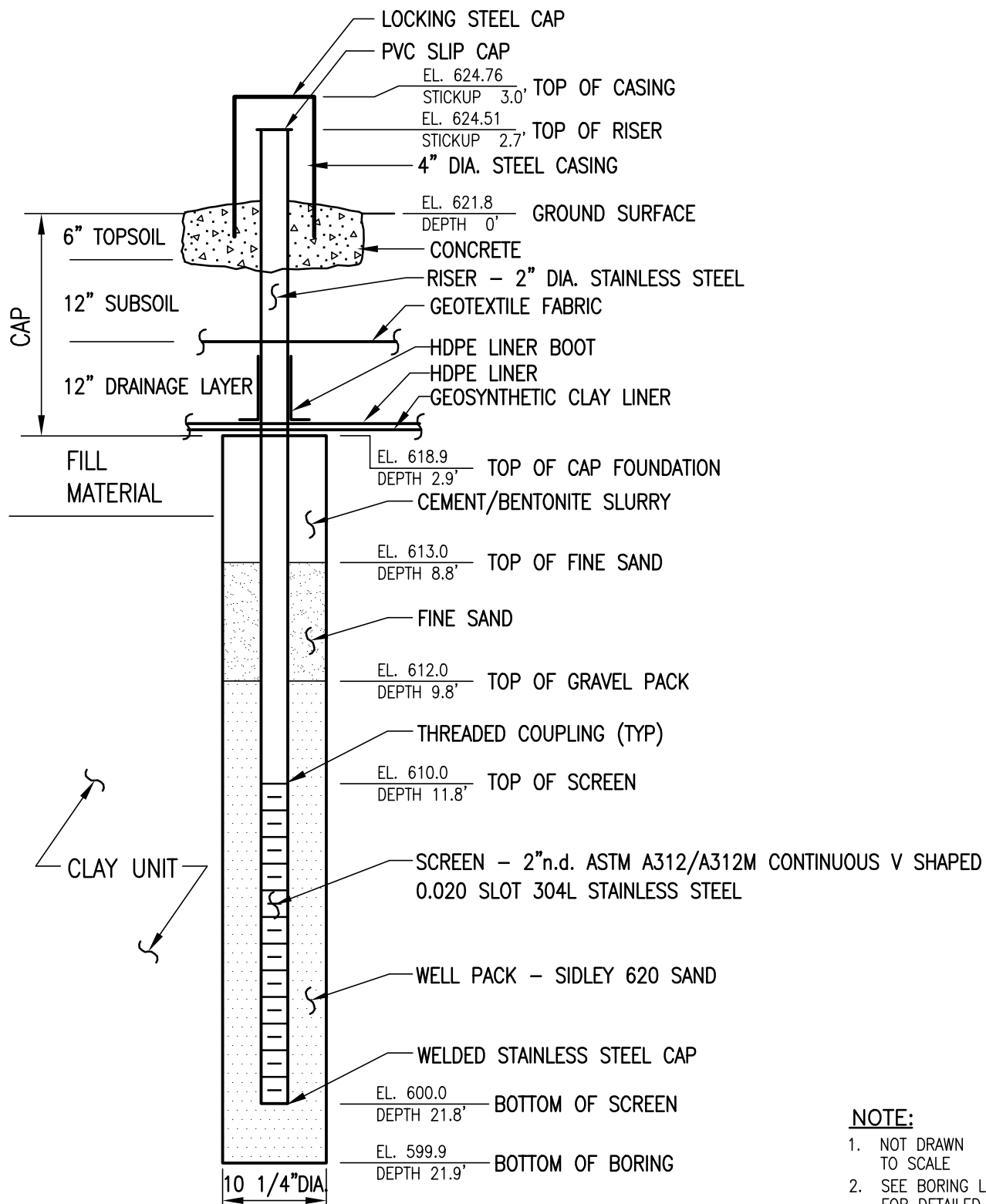


NOTE:

1. NOT DRAWN TO SCALE
2. SEE BORING LOG FOR DETAILED SOIL DESCRIPTION.


DOCUMENT CONTROL NO.	PROJECT	UNION ROAD CHEEKTOWAGA, NEW YORK	 INTEGRATED ENVIRONMENTAL SERVICES <small>A DIVISION OF NES, INC.</small>	PROJECT # 2045-200
REVISION NO.	DRAWING	GROUNDWATER OBSERVATION WELL DETAIL		FILENAME: 2035200A SCALE: NTS DATE: 9/18/07 BY: AD FIGURE # MW-15

MW-16

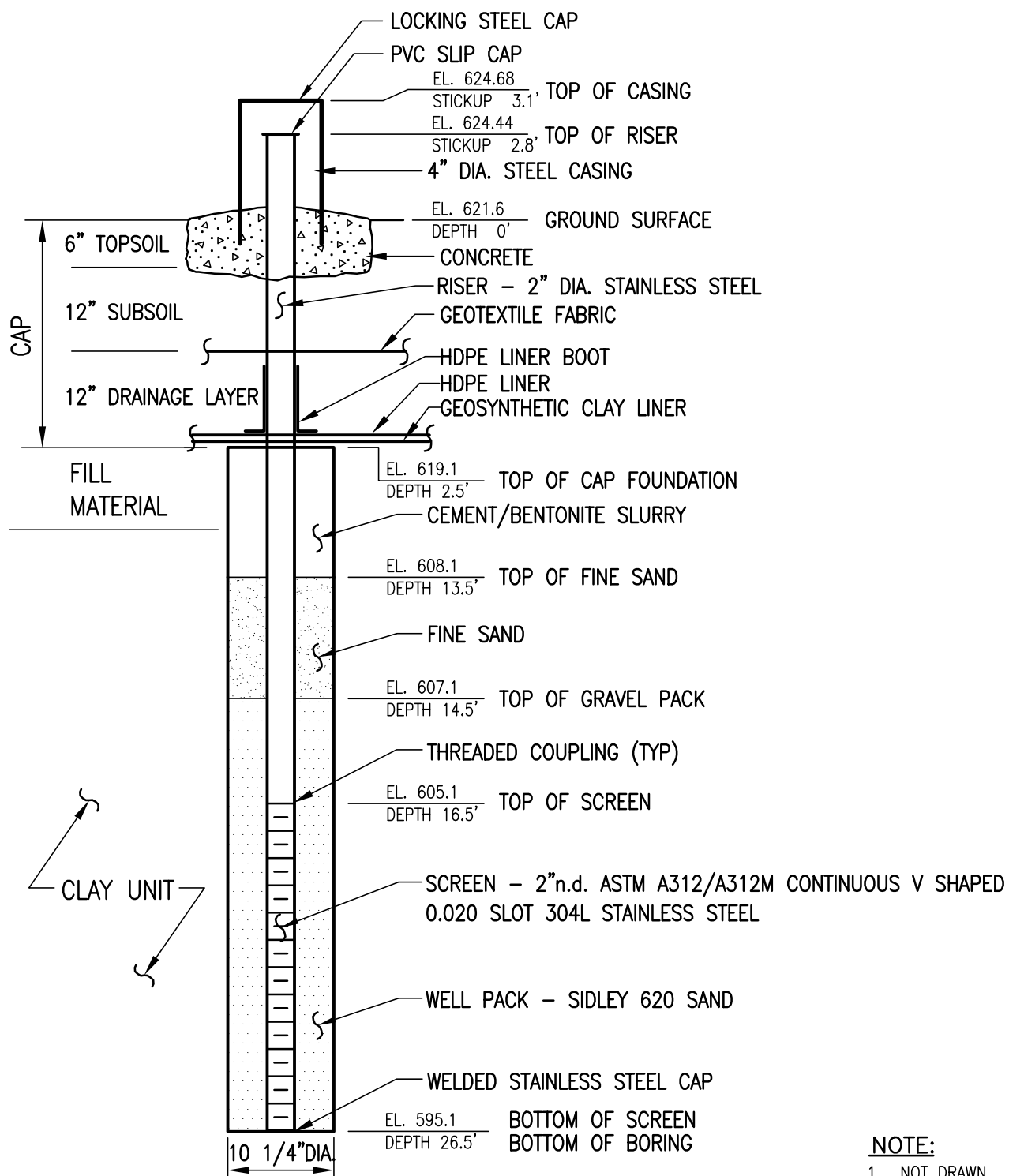


NOTE:

1. NOT DRAWN TO SCALE
2. SEE BORING LOG FOR DETAILED SOIL DESCRIPTION.

REVISION NO.		PROJECT	UNION ROAD CHEEKTOWAGA, NEW YORK		PROJECT # 2011-200
NO.	DATE				
		DRAWING	GROUNDWATER OBSERVATION WELL DETAIL	Unicorn Management Consultants, LLC 52 FEDERAL ROAD DANBURY, CT (203) 205-9000	FILENAME: 2035200A SCALE: NTS DATE: 1/15/02 BY: AD CK:
					FIGURE # MW-16

MW-17

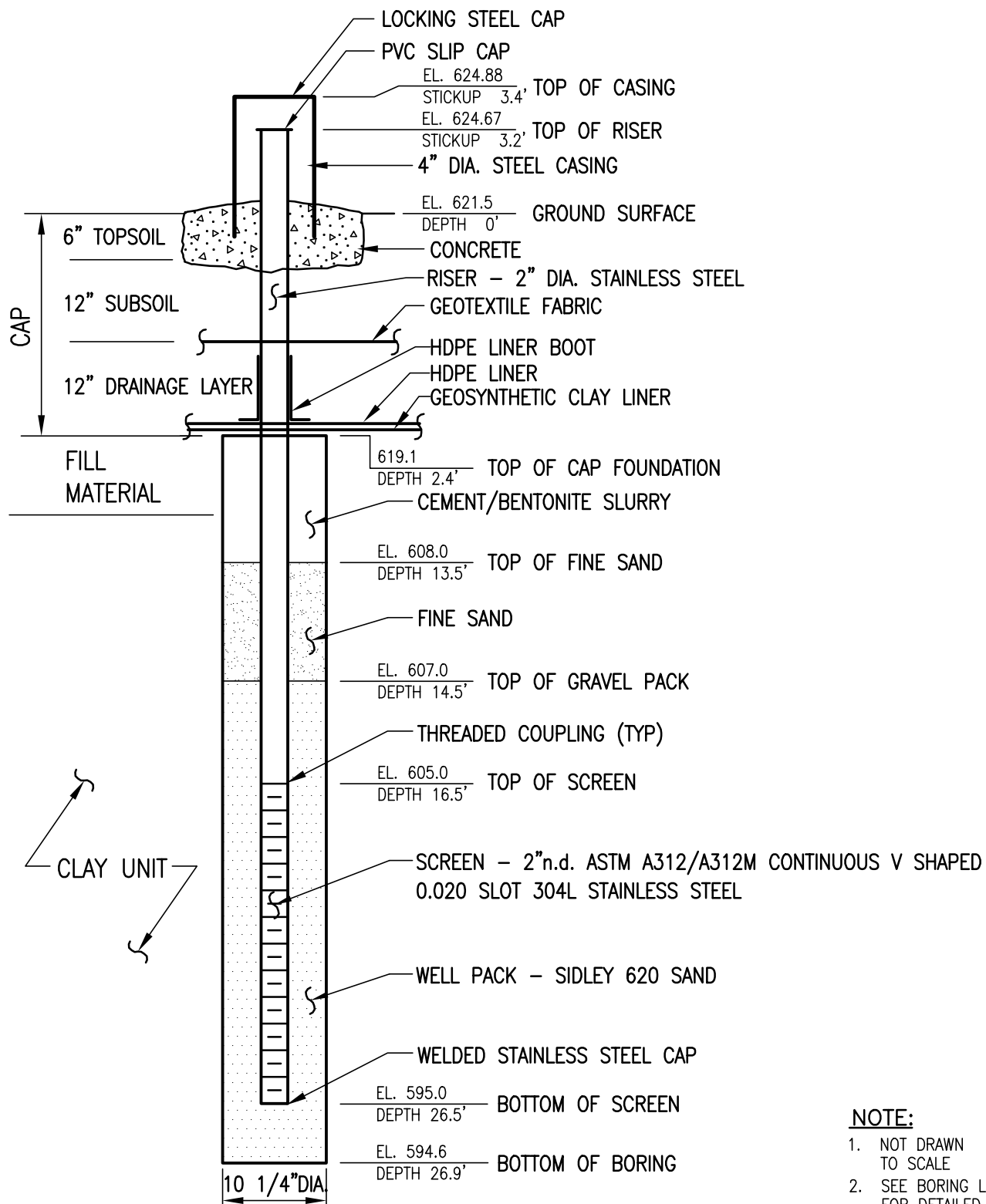


NOTE:

1. NOT DRAWN TO SCALE
2. SEE BORING LOG FOR DETAILED SOIL DESCRIPTION.


REVISION NO.		PROJECT	UNION ROAD CHEEKTOWAGA, NEW YORK	 <div>Unicorn Management Consultants, LLC</div> <div>52 FEDERAL ROAD DANBURY, CT (203) 205-9000</div>	PROJECT # 2011-200	
NO.	DATE				FILENAME: 2035200A	
		DRAWING	GROUNDWATER OBSERVATION WELL DETAIL		SCALE: NTS	DATE: 1/15/02
					BY: AD	CK:
					FIGURE # MW-17	

MW-18

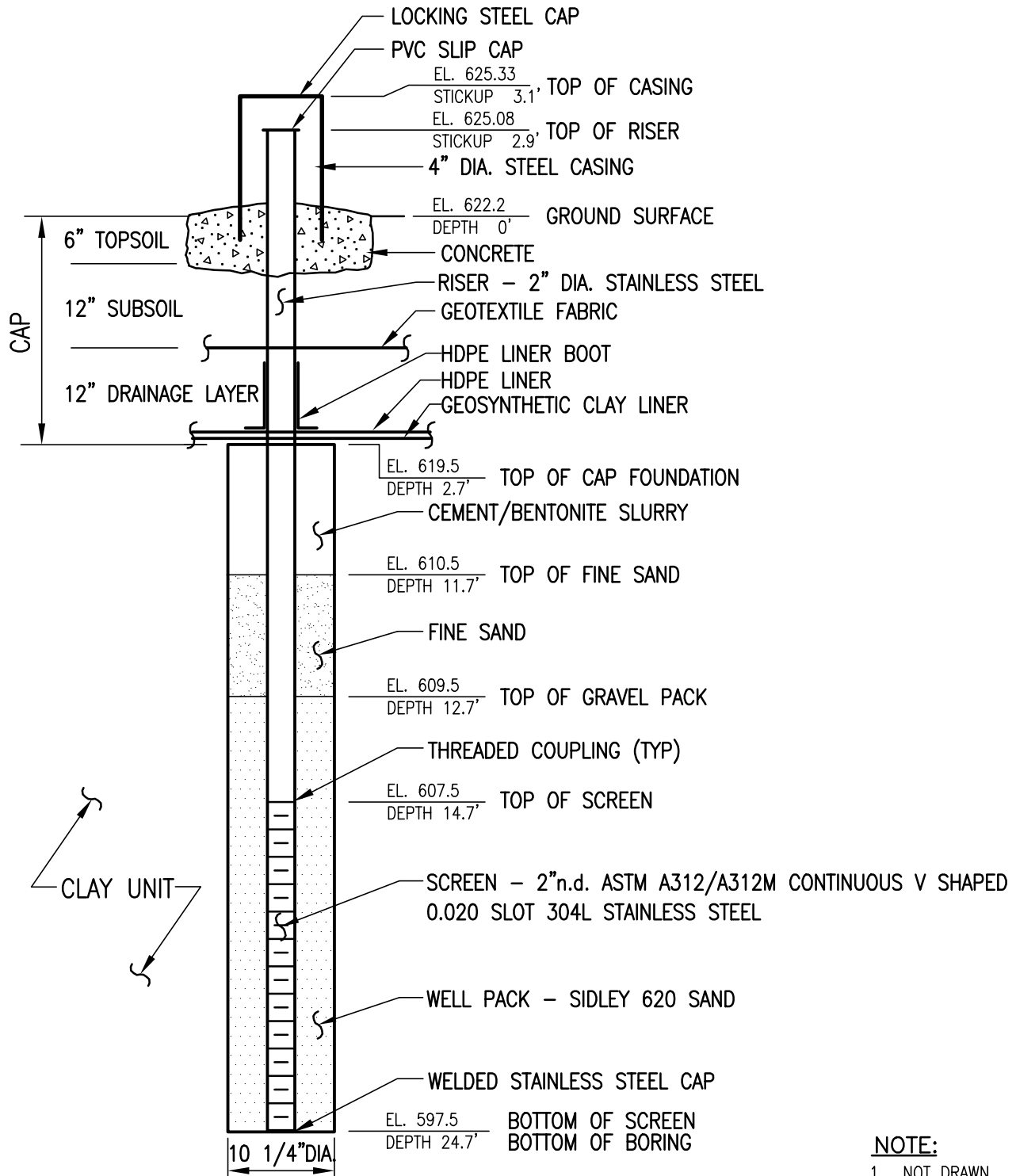


NOTE:

1. NOT DRAWN TO SCALE
2. SEE BORING LOG FOR DETAILED SOIL DESCRIPTION.


REVISION NO.		PROJECT	UNION ROAD CHEEKTOWAGA, NEW YORK		PROJECT # 2011-200
NO.	DATE				
		DRAWING	GROUNDWATER OBSERVATION WELL DETAIL	FILENAME: 2035200A SCALE: NTS BY: AD DATE: 1/15/02 CK:	FIGURE # MW-18

MW-19

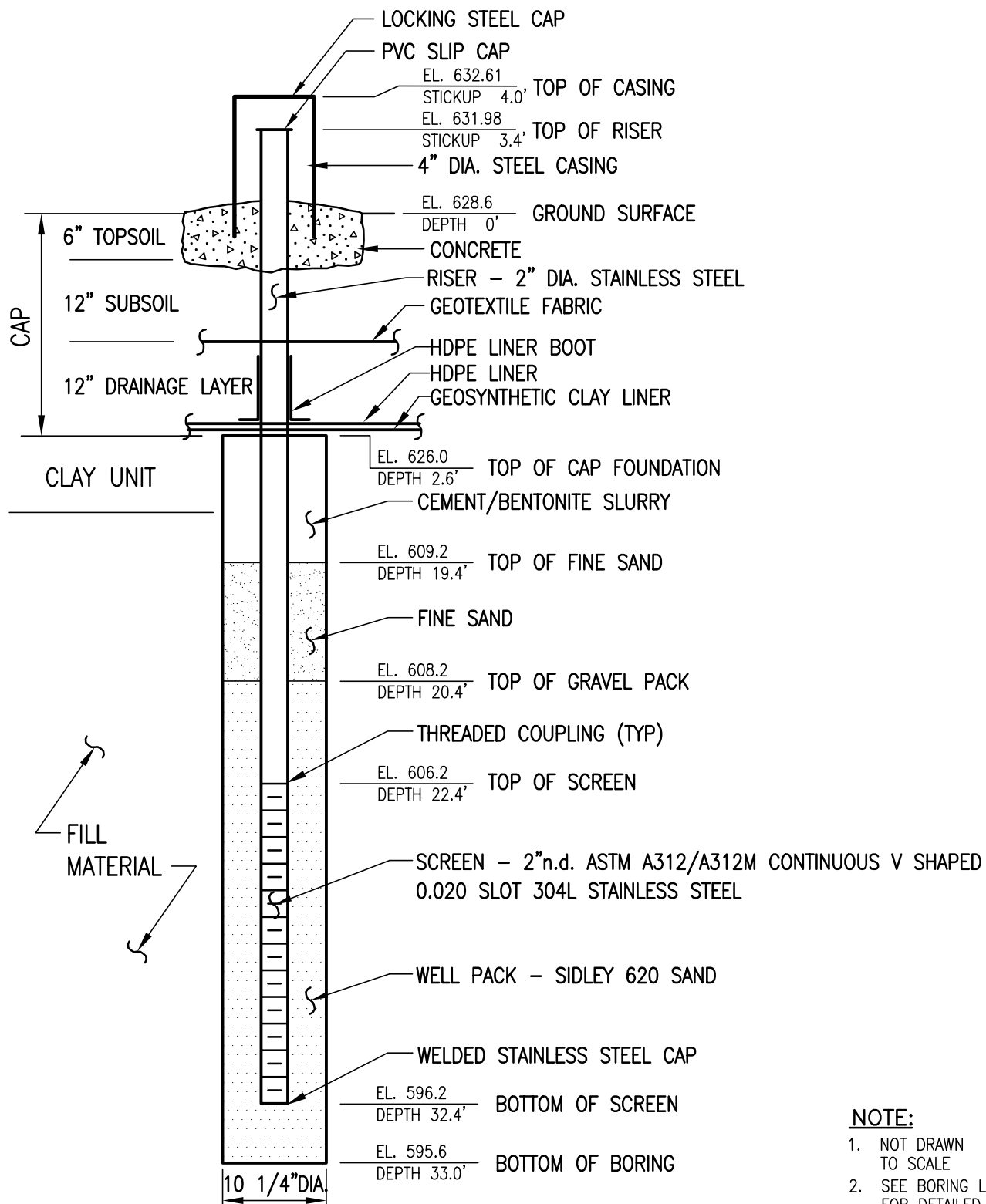


NOTE:

1. NOT DRAWN TO SCALE
2. SEE BORING LOG FOR DETAILED SOIL DESCRIPTION.

REVISION NO.		PROJECT	UNION ROAD CHEEKTOWAGA, NEW YORK		PROJECT # 2011-200
NO.	DATE				
		DRAWING	GROUNDWATER OBSERVATION WELL DETAIL	Unicorn Management Consultants, LLC 52 FEDERAL ROAD DANBURY, CT (203) 205-9000	FILENAME: 2035200A SCALE: NTS BY: AD DATE: 1/15/02 CK: FIGURE # MW-19

MW-20



NOTE:

1. NOT DRAWN TO SCALE
2. SEE BORING LOG FOR DETAILED SOIL DESCRIPTION.


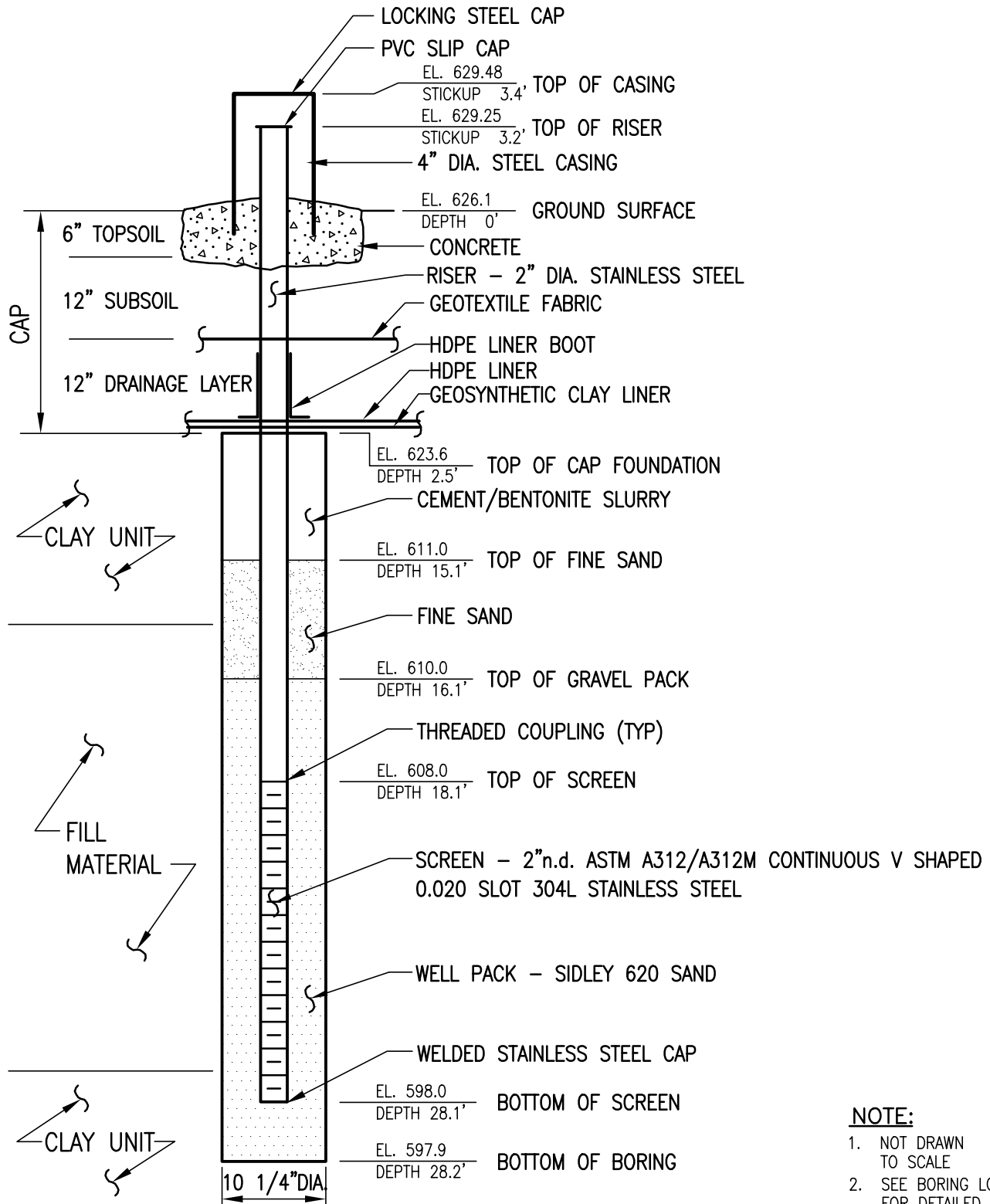
REVISION NO.		PROJECT	UNION ROAD CHEEKTOWAGA, NEW YORK		PROJECT # 2011-200
NO.	DATE				
		DRAWING	GROUNDWATER OBSERVATION WELL DETAIL	52 FEDERAL ROAD DANBURY, CT (203) 205-9000	FILENAME: 2035200A SCALE: NTS DATE: 1/15/02 BY: AD CK:


FIGURE #
MW-20

MW-21

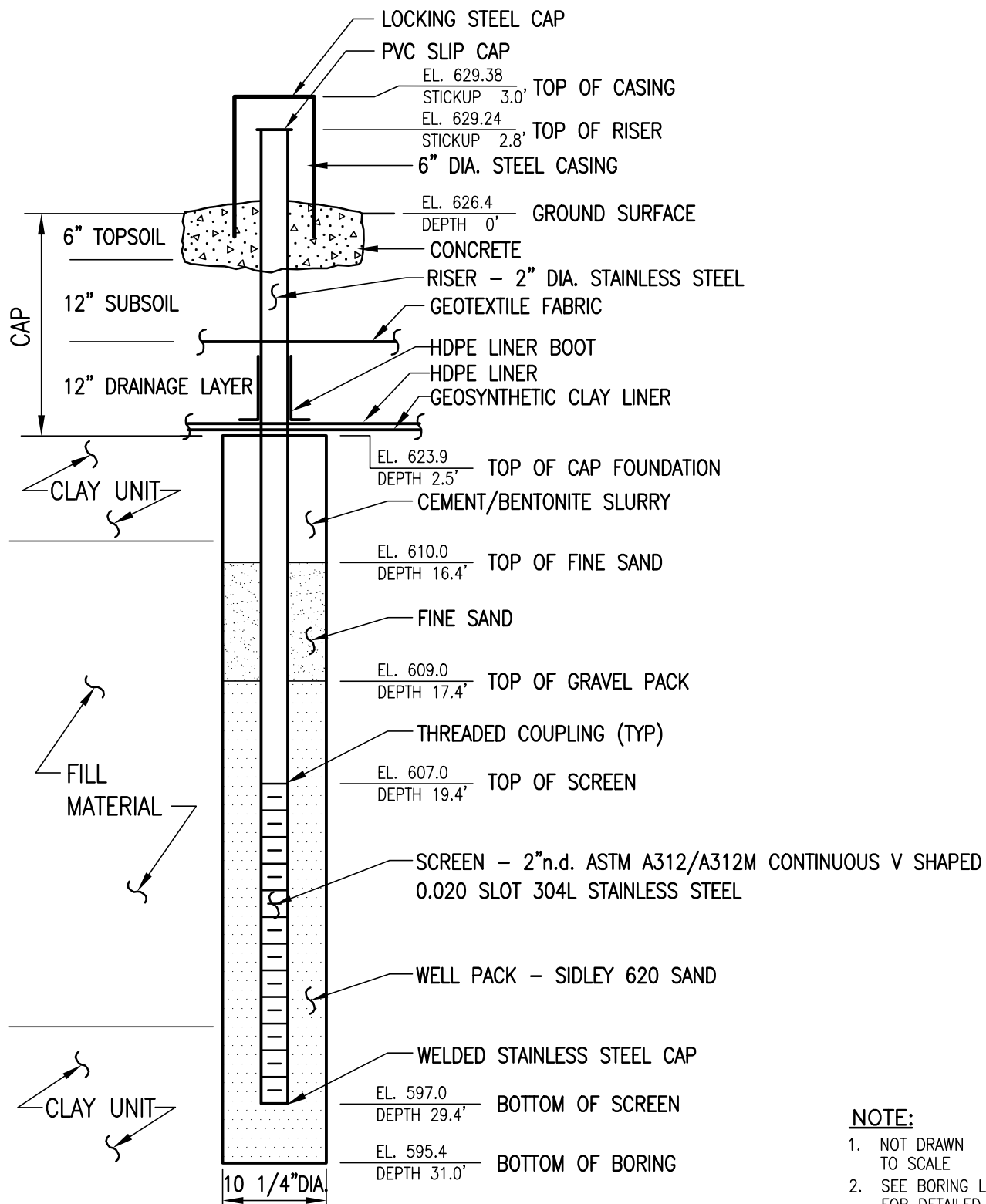


NOTE:

1. NOT DRAWN TO SCALE
2. SEE BORING LOG FOR DETAILED SOIL DESCRIPTION.


REVISION NO.		PROJECT	UNION ROAD CHEEKTOWAGA, NEW YORK	 <div>Unicorn Management Consultants, LLC</div> <div>52 FEDERAL ROAD DANBURY, CT (203) 205-9000</div>	PROJECT # 2011-200	
NO.	DATE				FILENAME: 2035200A	
		DRAWING	GROUNDWATER OBSERVATION WELL DETAIL		SCALE: NTS	DATE: 1/15/02
					BY: AD	CK:
					FIGURE # MW-21	

MW-22

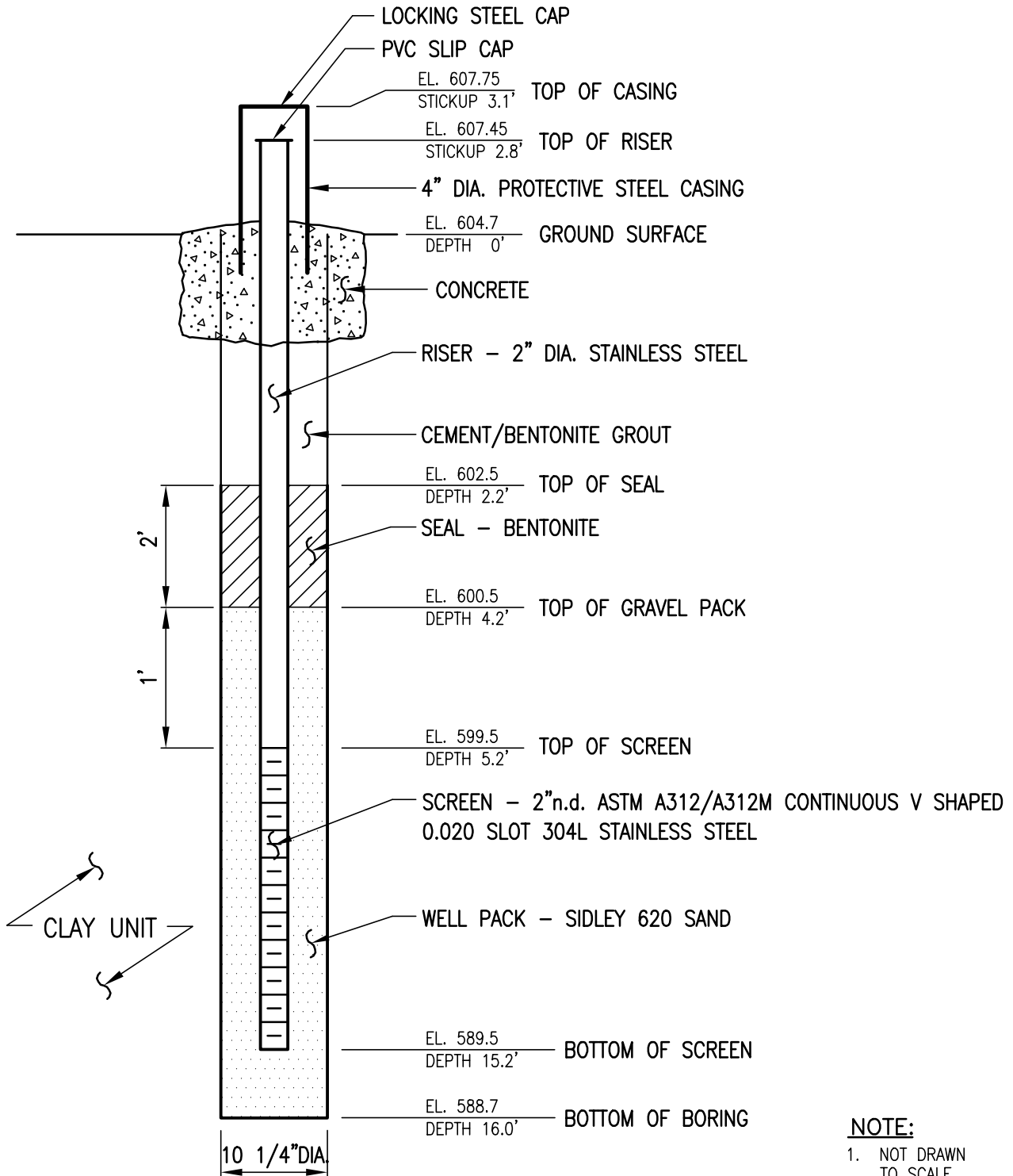


NOTE:

1. NOT DRAWN TO SCALE
2. SEE BORING LOG FOR DETAILED SOIL DESCRIPTION.


REVISION NO.		PROJECT	UNION ROAD CHEEKTOWAGA, NEW YORK	 <div>Unicorn Management Consultants, LLC</div> <div>52 FEDERAL ROAD DANBURY, CT (203) 205-9000</div>	PROJECT # 2011-200	
NO.	DATE				FILENAME: 2035200A	SCALE: NTS
DRAWING		GROUNDWATER OBSERVATION WELL DETAIL			BY: AD	CK:
					FIGURE # MW-22	

MW-23S



NOTE:

1. NOT DRAWN TO SCALE
2. SEE BORING LOG FOR DETAILED SOIL DESCRIPTION.

REVISION NO.		PROJECT	UNION ROAD CHEEKTOWAGA, NEW YORK		PROJECT # 2011-200
NO.	DATE				
		DRAWING	SHALLOW GROUNDWATER MONITORING WELL DETAIL	Unicorn Management Consultants, LLC 52 FEDERAL ROAD DANBURY, CT (203) 205-9000	FILENAME: 2035200A SCALE: NTS DATE: 1/15/02 BY: AD CK:
					FIGURE # MW-23S

APPENDIX B
FIELD NOTES

2021 Annual Sampling Event

9/19/21

0730- MP & RTM (VMC) on site.

- Checked Inventory of sled

- 0755 TR county on-site to
mow capped land fill.- Wells will be gauged & sampled today
and tomorrow

Annual wells

Well ID	DTW	DTB	Volume-3X	Purged	Sampled
MW-10S	8.75	23.1	7.02	7.02	9/19 1320
MW-10M	11.46	32.4	10.24	10.24	9/19 1310
MW-10D	14.81	47.3	15.89	DRY	9/20 0755
MW-11S	13.45	25.6	5.94	6.0	9/20 0830
MW-11M	19.84	41.3	10.49	10.50	9/20 0830
MW-12S	19.07	26.8	3.78	3.0 ^{DRY}	9/20 0928
MW-12M	20.43	44.1	11.57	12.00	9/20 0910
MW-12D	17.96	62.2	21.63	21.75	9/20 0930
MW-13S	11.33	23.6	6.00	6.00	9/20 0950
MW-13M	11.58	35.9	11.89	12.00	9/20 1000
MW-14S	11.24	18.9	3.75	3.75	9/20 0500

9/19/21 2021 Annual Sampling Event

Non Annual wells

Well ID	DTF	DTW	DTB
MW-15	-	18.07	-
MW-16	-	14.70	-
MW-17	-	20.70	-
MW-18	DRY	DRY	@ 22.00
MW-19	-	21.40	-
MW-20	28.3	NM	NM
MW-21	-	22.96	-
MW-22	25.90	NM	NM
MW-23	-	4.61	-

1100- TR County off-site
after mowing land fill cap.- Hill inspected need 8-10 bags
of soil for erosion on
hill between land fill
and wetlandsA - MW-10D purged dry will be
sampled 9/20/21. 28 gal removed
- 1430 off-site

Rite in the Rain

Annual sampling Event

9/20/21

0710 - RIM + MP on site

tasks: finish annual sampling
and drop off samples at
ALS: well info on pg. 40

MW-11 S only has two valves. One broke
per MP.

- After sampling will perform short site
inspection

APPENDIX C
LABORATORY REPORT



September 30, 2021

Service Request No:R2109739

Mr. Michael Persico
Unicorn Management Consultants
52 Federal Road
Suite 2C
Danbury, CT 06810

Laboratory Results for: Union Rd

Dear Mr.Persico,

Enclosed are the results of the sample(s) submitted to our laboratory September 20, 2021
For your reference, these analyses have been assigned our service request number **R2109739**.

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7475. You may also contact me via email at Meghan.Pedro@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Meghan Pedro
Project Manager

ADDRESS

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

PHONE +1 585 288 5380 | **FAX** +1 585 288 8475

ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com



Client: Unicorn Management Consultants
Project: Union Rd
Sample Matrix: Water

Service Request: R2109739
Date Received: 09/20/2021

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Twelve water samples were received for analysis at ALS Environmental on 09/20/2021. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivolatiles by GC/MS:

Method 8270D, 09/29/2021: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Metals:

No significant anomalies were noted with this analysis.

General Chemistry:

No significant anomalies were noted with this analysis.

Volatiles by GC/MS:

Method 8260C, 09/28/2021: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 09/28/2021: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 09/28/2021: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Approved by _____

Date 09/30/2021

SAMPLE DETECTION SUMMARY**CLIENT ID: MW-10D****Lab ID: R2109739-003**

Analyte	Results	Flag	MDL	MRL	Units	Method
Acetone	13			10	ug/L	8260C



Sample Receipt Information

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: Unicorn Management Consultants
Project: Union Rd/2011-200

Service Request:R2109739

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R2109739-001	MW-10S	9/19/2021	1320
R2109739-002	MW-10M	9/19/2021	1310
R2109739-003	MW-10D	9/20/2021	0755
R2109739-004	MW-11S	9/20/2021	0830
R2109739-005	MW-11M	9/20/2021	0830
R2109739-006	MW-12S	9/20/2021	0928
R2109739-007	MW-12M	9/20/2021	0910
R2109739-008	MW-12D	9/20/2021	0930
R2109739-009	MW-13S	9/20/2021	0950
R2109739-010	MW-13M	9/20/2021	1000
R2109739-011	MW-14S	9/20/2021	0800
R2109739-012	TB 092021 A	9/20/2021	



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

061175

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax)

PAGE 1 OF 2

Project Name Union Road		Project Number 2011-200		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																
Project Manager Michael Persico		Report CC # F. Frejo@unicornmgt.com		PRESERVATIVE 1 0 3																
Company/Address Unicorn Management Consultants, LLC 52 Federal Road, Suite 20 Danbury, CT 06810				NUMBER OF CONTAINERS	GC/MS VOCs 8260 • 824 • CLP	GC/MS SVOCs 8270 • 825	GC VOCs 8021 • 801/802	PESTICIDES 8091 • 808	PCBs 8092 • 808	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	Oil & Grease	Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other							
Phone # 203-205-9000		Email M.persico@unicornmgt.com											REMARKS/ ALTERNATE DESCRIPTION							
Sampler's Signature UMC		Sampler's Printed Name UMC																		
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	DATE	SAMPLING TIME	MATRIX																
MW-10 S		9/19/21	1320	AQ	7	X	X				X	X								
MW-10 M		9/19/21	1310	AQ	7	X	X				X	X								
MW-10 D		9/20/21	0755	AQ	7	X	X				X	X								
MW-11 S		9/20/21	0830	AQ	6	X	X				X	X				2 VOAs				
MW-11 M		9/20/21	0830	AQ	7	X	X				X	X								
MW-12 S		9/20/21	0928	AQ	7	X	X				X	X								
MW-12 M		9/20/21	0910	AQ	7	X	X				X	X								
MW-12 D		9/20/21	0930	AQ	7	X	X				X	X								
MW-13 S		9/20/21	0950	AQ	7	X	X				X	X								
MW-13 M		9/20/21	1000	AQ	7	X	X				X	X								
MW-14 S		9/20/21	0800	AQ	7	X	X				X	X								
SPECIAL INSTRUCTIONS/COMMENTS Metals Arsenic & Lead (Dissolved) * Please filter cc. Mowrey@unicornmgt.com					TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 1 day 2 day 3 day 4 day 5 day <input checked="" type="checkbox"/> Standard (10 business days-No Surcharge) REQUESTED REPORT DATE					REPORT REQUIREMENTS <input checked="" type="checkbox"/> I. Results Only II. Results + OC Summaries (LCS, DUP, MS/MSD as required) III. Results + OC and Calibration Summaries IV. Data Validation Report with Raw Data Edata <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					INVOICE INFORMATION PO # 2011-200 BILL TO: Isabel Miller imiller@unicornmgt.com					
See QAPP <input type="checkbox"/>																				
STATE WHERE SAMPLES WERE COLLECTED NY																				
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY						
Signature [Signature]		Signature [Signature]		Signature		Signature		Signature		Signature		Signature		Signature						
Printed Name Ryan Mowrey		Printed Name Gregory L. Emerson		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name						
Firm UMC		Firm ALS		Firm		Firm		Firm		Firm		Firm		Firm						
Date/Time 9/20/21 1216		Date/Time 9/20/21 1216		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time						

R2109739

5

Unicorn Management Consultants
Union Rd





CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

061176

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PAGE 2 OF 2

Project Name UNCA Road		Project Number 2011-200		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																									
Project Manager Mik Persico		Report CO# stajoo@unicormgt.com		PRESERVATIVE																									
Company/Address Unicorn Management Consultants, LLC 52 Federal Road Suite 2C Danbury, CT 06810		Email mpersico@unicormgt.com		NUMBER OF CONTAINERS																									
Phone # 203-205-1900		Sampler's Signature [Signature]		Sampler's Printed Name UMC		PRESERVATIVE KEY 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other _____																							
FOR OFFICE USE ONLY LAB ID		DATE		TIME		MATRIX		REMARKS/ ALTERNATE DESCRIPTION																					
CLIENT SAMPLE ID TB 092021 A		9/13/21		LAB		PO 3 X																							
SPECIAL INSTRUCTIONS/COMMENTS Metals CCi mowrey@unicormgt.com														TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 1 day 2 day 3 day 4 day 5 day <input checked="" type="checkbox"/> Standard (10 business days-No Surcharge) REQUESTED REPORT DATE _____				REPORT REQUIREMENTS <input checked="" type="checkbox"/> I. Results Only II. Results + OC Summaries (LCS, DUP, MS/MSD as required) III. Results + OC and Calibration Summaries IV. Data Validation Report with Raw Data Edeta <input checked="" type="checkbox"/> Yes _____ No				INVOICE INFORMATION PO # 2011-200 BILL TO: Isabel Miller imiller@unicormgt.com							
STATE WHERE SAMPLES WERE COLLECTED NY														RELINQUISHED BY Signature [Signature] Printed Name Bryan Mowrey Firm UMC Date/Time 9/20/21 12:16				RECEIVED BY Signature [Signature] Printed Name Isabel Miller Firm ALS Date/Time 9/20/21 12:16				RELINQUISHED BY Signature Printed Name Firm Date/Time				RECEIVED BY Signature Printed Name Firm Date/Time			

R2109739

Unicorn Management Consultants
Union Rd

5



up



R2109739

Unicorn Management Consultants
Union Rd

5

Cooler Receipt and Preservation C

Project/Client Unicorn Management Folder Number _____Cooler received on 9/20/21 by: HECOURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y <u>N</u>
2	Custody papers properly completed (ink, signed)?	Y <u>N</u>
3	Did all bottles arrive in good condition (unbroken)?	Y <u>N</u>
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	Y <u>N</u>

5a	Perchlorate samples have required headspace?	Y <u>N</u> <u>NA</u>
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	Y <u>N</u> <u>NA</u> *
6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
7	Soil VOA received as: Bulk Encore 5035set	<u>NA</u>

8. Temperature Readings Date: 9/20/21 Time: 12:16 ID: IR#7 IR#11 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>1.9</u>	<u>12.3</u>					
Within 0-6°C?	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>
If <0°C, were samples frozen?	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by HE on 9/20/21 at 12:30
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y NCooler Breakdown/Preservation Check**: Date: 9/22/21 Time: 07:10 by: HE

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
10. Did all bottle labels and tags agree with custody papers? YES NO
11. Were correct containers used for the tests indicated? YES NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
13. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated N/A N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO ₃								
≤2		H ₂ SO ₄			<u>215947</u>	<u>06/22</u>				
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**	<u>No Lot info</u>					

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 90321-04, 77327-02724, 2596, 24564

Explain all Discrepancies/ Other Comments:

* Trip Blank: 2 of 3 vials
MW-135: 1 of 3 vialsLabels secondary reviewed by: HE

PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541



Miscellaneous Forms

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.	+	Correlation coefficient for MSA is <0.995.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).	N	Inorganics- Matrix spike recovery was outside laboratory limits.
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.	N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.	S	Concentration has been determined using Method of Standard Additions (MSA).
E	Organics- Concentration has exceeded the calibration range for that specific analysis.	W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.	P	Concentration >40% difference between the two GC columns.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.	C	Confirmed by GC/MS
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.	Q	DoD reports: indicates a pesticide/Aroclor is not confirmed ($\geq 100\%$ Difference between two GC columns).
#	Spike was diluted out.	X	See Case Narrative for discussion.
		MRL	Method Reporting Limit. Also known as:
		LOQ	Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
		MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
		LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
		ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations¹



NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental>

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

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Analyst Summary report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200

Service Request: R2109739

Sample Name: MW-10S
Lab Code: R2109739-001
Sample Matrix: Water

Date Collected: 09/19/21
Date Received: 09/20/21

Analysis Method

1664B
6010C
8260C
8270D

Extracted/Digested By

BDIAMOND

KSERCU

Analyzed By

STALARICO
KMCLAEN
KRUEST
JMISIUREWICZ

Sample Name: MW-10M
Lab Code: R2109739-002
Sample Matrix: Water

Date Collected: 09/19/21
Date Received: 09/20/21

Analysis Method

1664B
6010C
8260C
8270D

Extracted/Digested By

BDIAMOND

KSERCU

Analyzed By

STALARICO
KMCLAEN
KRUEST
JMISIUREWICZ

Sample Name: MW-10D
Lab Code: R2109739-003
Sample Matrix: Water

Date Collected: 09/20/21
Date Received: 09/20/21

Analysis Method

1664B
6010C
8260C
8270D

Extracted/Digested By

BDIAMOND

KSERCU

Analyzed By

STALARICO
KMCLAEN
KRUEST
JMISIUREWICZ

Sample Name: MW-11S
Lab Code: R2109739-004
Sample Matrix: Water

Date Collected: 09/20/21
Date Received: 09/20/21

Analysis Method

1664B

Extracted/Digested By

Analyzed By

STALARICO

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200

Service Request: R2109739

Sample Name: MW-11S
Lab Code: R2109739-004
Sample Matrix: Water

Date Collected: 09/20/21
Date Received: 09/20/21

Analysis Method

6010C
8260C
8270D

Extracted/Digested By

BDIAMOND

KSERCU

Analyzed By

KMCLAEN
KRUEST
JMISIUREWICZ

Sample Name: MW-11M
Lab Code: R2109739-005
Sample Matrix: Water

Date Collected: 09/20/21
Date Received: 09/20/21

Analysis Method

1664B
6010C
8260C
8270D

Extracted/Digested By

BDIAMOND

KSERCU

Analyzed By

STALARICO
KMCLAEN
KRUEST
JMISIUREWICZ

Sample Name: MW-12S
Lab Code: R2109739-006
Sample Matrix: Water

Date Collected: 09/20/21
Date Received: 09/20/21

Analysis Method

1664B
6010C
8260C
8270D

Extracted/Digested By

BDIAMOND

KSERCU

Analyzed By

STALARICO
KMCLAEN
KRUEST
JMISIUREWICZ

Sample Name: MW-12M
Lab Code: R2109739-007
Sample Matrix: Water

Date Collected: 09/20/21
Date Received: 09/20/21

Analysis Method

1664B
6010C

Extracted/Digested By

BDIAMOND

Analyzed By

STALARICO
KMCLAEN

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Analyst Summary report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200

Service Request: R2109739

Sample Name: MW-12M
Lab Code: R2109739-007
Sample Matrix: Water

Date Collected: 09/20/21
Date Received: 09/20/21

Analysis Method
8260C
8270D

Extracted/Digested By

KSERCU

Analyzed By
KRUEST
JMISIUREWICZ

Sample Name: MW-12D
Lab Code: R2109739-008
Sample Matrix: Water

Date Collected: 09/20/21
Date Received: 09/20/21

Analysis Method
1664B
6010C
8260C
8270D

Extracted/Digested By

BDIAMOND

KSERCU

Analyzed By
STALARICO
KMCLAEN
KRUEST
JMISIUREWICZ

Sample Name: MW-13S
Lab Code: R2109739-009
Sample Matrix: Water

Date Collected: 09/20/21
Date Received: 09/20/21

Analysis Method
1664B
6010C
8260C
8270D

Extracted/Digested By

BDIAMOND

KSERCU

Analyzed By
STALARICO
KMCLAEN
KRUEST
JMISIUREWICZ

Sample Name: MW-13M
Lab Code: R2109739-010
Sample Matrix: Water

Date Collected: 09/20/21
Date Received: 09/20/21

Analysis Method
1664B
6010C
8260C

Extracted/Digested By

BDIAMOND

Analyzed By
STALARICO
KMCLAEN
KRUEST

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Analyst Summary report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200

Service Request: R2109739

Sample Name: MW-13M
Lab Code: R2109739-010
Sample Matrix: Water

Date Collected: 09/20/21
Date Received: 09/20/21

Analysis Method
8270D

Extracted/Digested By
KSERCU

Analyzed By
JMISIUREWICZ

Sample Name: MW-14S
Lab Code: R2109739-011
Sample Matrix: Water

Date Collected: 09/20/21
Date Received: 09/20/21

Analysis Method
1664B
6010C
8260C
8270D

Extracted/Digested By

BDIAMOND

KSERCU

Analyzed By
STALARICO
KMCLAEN
KRUEST
JMISIUREWICZ

Sample Name: TB 092021 A
Lab Code: R2109739-012
Sample Matrix: Water

Date Collected: 09/20/21
Date Received: 09/20/21

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	



Sample Results

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com



Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/19/21 13:20
Date Received: 09/20/21 12:16

Sample Name: MW-10S
Lab Code: R2109739-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	09/28/21 03:27	
Benzene	ND U	5.0	1	09/28/21 03:27	
Bromodichloromethane	ND U	5.0	1	09/28/21 03:27	
Bromoform	ND U	5.0	1	09/28/21 03:27	
Bromomethane	ND U	5.0	1	09/28/21 03:27	
2-Butanone (MEK)	ND U	10	1	09/28/21 03:27	
Carbon Disulfide	ND U	10	1	09/28/21 03:27	
Carbon Tetrachloride	ND U	5.0	1	09/28/21 03:27	
Chlorobenzene	ND U	5.0	1	09/28/21 03:27	
Chloroethane	ND U	5.0	1	09/28/21 03:27	
Chloroform	ND U	5.0	1	09/28/21 03:27	
Chloromethane	ND U	5.0	1	09/28/21 03:27	
Dibromochloromethane	ND U	5.0	1	09/28/21 03:27	
1,1-Dichloroethane	ND U	5.0	1	09/28/21 03:27	
1,2-Dichloroethane	ND U	5.0	1	09/28/21 03:27	
1,1-Dichloroethene	ND U	5.0	1	09/28/21 03:27	
cis-1,2-Dichloroethene	ND U	5.0	1	09/28/21 03:27	
trans-1,2-Dichloroethene	ND U	5.0	1	09/28/21 03:27	
1,2-Dichloropropane	ND U	5.0	1	09/28/21 03:27	
cis-1,3-Dichloropropene	ND U	5.0	1	09/28/21 03:27	
trans-1,3-Dichloropropene	ND U	5.0	1	09/28/21 03:27	
Ethylbenzene	ND U	5.0	1	09/28/21 03:27	
2-Hexanone	ND U	10	1	09/28/21 03:27	
Methylene Chloride	ND U	5.0	1	09/28/21 03:27	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	09/28/21 03:27	
Styrene	ND U	5.0	1	09/28/21 03:27	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	09/28/21 03:27	
Tetrachloroethene	ND U	5.0	1	09/28/21 03:27	
Toluene	ND U	5.0	1	09/28/21 03:27	
1,1,1-Trichloroethane	ND U	5.0	1	09/28/21 03:27	
1,1,2-Trichloroethane	ND U	5.0	1	09/28/21 03:27	
Trichloroethene	ND U	5.0	1	09/28/21 03:27	
Vinyl Chloride	ND U	5.0	1	09/28/21 03:27	
o-Xylene	ND U	5.0	1	09/28/21 03:27	
m,p-Xylenes	ND U	5.0	1	09/28/21 03:27	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/19/21 13:20
Date Received: 09/20/21 12:16

Sample Name: MW-10S
Lab Code: R2109739-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	09/28/21 03:27	
Toluene-d8	107	87 - 121	09/28/21 03:27	
Dibromofluoromethane	104	80 - 116	09/28/21 03:27	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/19/21 13:10
Date Received: 09/20/21 12:16

Sample Name: MW-10M
Lab Code: R2109739-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	09/28/21 03:48	
Benzene	ND U	5.0	1	09/28/21 03:48	
Bromodichloromethane	ND U	5.0	1	09/28/21 03:48	
Bromoform	ND U	5.0	1	09/28/21 03:48	
Bromomethane	ND U	5.0	1	09/28/21 03:48	
2-Butanone (MEK)	ND U	10	1	09/28/21 03:48	
Carbon Disulfide	ND U	10	1	09/28/21 03:48	
Carbon Tetrachloride	ND U	5.0	1	09/28/21 03:48	
Chlorobenzene	ND U	5.0	1	09/28/21 03:48	
Chloroethane	ND U	5.0	1	09/28/21 03:48	
Chloroform	ND U	5.0	1	09/28/21 03:48	
Chloromethane	ND U	5.0	1	09/28/21 03:48	
Dibromochloromethane	ND U	5.0	1	09/28/21 03:48	
1,1-Dichloroethane	ND U	5.0	1	09/28/21 03:48	
1,2-Dichloroethane	ND U	5.0	1	09/28/21 03:48	
1,1-Dichloroethene	ND U	5.0	1	09/28/21 03:48	
cis-1,2-Dichloroethene	ND U	5.0	1	09/28/21 03:48	
trans-1,2-Dichloroethene	ND U	5.0	1	09/28/21 03:48	
1,2-Dichloropropane	ND U	5.0	1	09/28/21 03:48	
cis-1,3-Dichloropropene	ND U	5.0	1	09/28/21 03:48	
trans-1,3-Dichloropropene	ND U	5.0	1	09/28/21 03:48	
Ethylbenzene	ND U	5.0	1	09/28/21 03:48	
2-Hexanone	ND U	10	1	09/28/21 03:48	
Methylene Chloride	ND U	5.0	1	09/28/21 03:48	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	09/28/21 03:48	
Styrene	ND U	5.0	1	09/28/21 03:48	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	09/28/21 03:48	
Tetrachloroethene	ND U	5.0	1	09/28/21 03:48	
Toluene	ND U	5.0	1	09/28/21 03:48	
1,1,1-Trichloroethane	ND U	5.0	1	09/28/21 03:48	
1,1,2-Trichloroethane	ND U	5.0	1	09/28/21 03:48	
Trichloroethene	ND U	5.0	1	09/28/21 03:48	
Vinyl Chloride	ND U	5.0	1	09/28/21 03:48	
o-Xylene	ND U	5.0	1	09/28/21 03:48	
m,p-Xylenes	ND U	5.0	1	09/28/21 03:48	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/19/21 13:10
Date Received: 09/20/21 12:16

Sample Name: MW-10M
Lab Code: R2109739-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/28/21 03:48	
Toluene-d8	104	87 - 121	09/28/21 03:48	
Dibromofluoromethane	103	80 - 116	09/28/21 03:48	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 07:55
Date Received: 09/20/21 12:16

Sample Name: MW-10D
Lab Code: R2109739-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	13	10	1	09/28/21 04:10	
Benzene	ND U	5.0	1	09/28/21 04:10	
Bromodichloromethane	ND U	5.0	1	09/28/21 04:10	
Bromoform	ND U	5.0	1	09/28/21 04:10	
Bromomethane	ND U	5.0	1	09/28/21 04:10	
2-Butanone (MEK)	ND U	10	1	09/28/21 04:10	
Carbon Disulfide	ND U	10	1	09/28/21 04:10	
Carbon Tetrachloride	ND U	5.0	1	09/28/21 04:10	
Chlorobenzene	ND U	5.0	1	09/28/21 04:10	
Chloroethane	ND U	5.0	1	09/28/21 04:10	
Chloroform	ND U	5.0	1	09/28/21 04:10	
Chloromethane	ND U	5.0	1	09/28/21 04:10	
Dibromochloromethane	ND U	5.0	1	09/28/21 04:10	
1,1-Dichloroethane	ND U	5.0	1	09/28/21 04:10	
1,2-Dichloroethane	ND U	5.0	1	09/28/21 04:10	
1,1-Dichloroethene	ND U	5.0	1	09/28/21 04:10	
cis-1,2-Dichloroethene	ND U	5.0	1	09/28/21 04:10	
trans-1,2-Dichloroethene	ND U	5.0	1	09/28/21 04:10	
1,2-Dichloropropane	ND U	5.0	1	09/28/21 04:10	
cis-1,3-Dichloropropene	ND U	5.0	1	09/28/21 04:10	
trans-1,3-Dichloropropene	ND U	5.0	1	09/28/21 04:10	
Ethylbenzene	ND U	5.0	1	09/28/21 04:10	
2-Hexanone	ND U	10	1	09/28/21 04:10	
Methylene Chloride	ND U	5.0	1	09/28/21 04:10	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	09/28/21 04:10	
Styrene	ND U	5.0	1	09/28/21 04:10	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	09/28/21 04:10	
Tetrachloroethene	ND U	5.0	1	09/28/21 04:10	
Toluene	ND U	5.0	1	09/28/21 04:10	
1,1,1-Trichloroethane	ND U	5.0	1	09/28/21 04:10	
1,1,2-Trichloroethane	ND U	5.0	1	09/28/21 04:10	
Trichloroethene	ND U	5.0	1	09/28/21 04:10	
Vinyl Chloride	ND U	5.0	1	09/28/21 04:10	
o-Xylene	ND U	5.0	1	09/28/21 04:10	
m,p-Xylenes	ND U	5.0	1	09/28/21 04:10	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 07:55
Date Received: 09/20/21 12:16

Sample Name: MW-10D
Lab Code: R2109739-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	09/28/21 04:10	
Toluene-d8	106	87 - 121	09/28/21 04:10	
Dibromofluoromethane	100	80 - 116	09/28/21 04:10	

ALS Group USA, Corp.
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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 08:30
Date Received: 09/20/21 12:16

Sample Name: MW-11S
Lab Code: R2109739-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	09/28/21 04:32	
Benzene	ND U	5.0	1	09/28/21 04:32	
Bromodichloromethane	ND U	5.0	1	09/28/21 04:32	
Bromoform	ND U	5.0	1	09/28/21 04:32	
Bromomethane	ND U	5.0	1	09/28/21 04:32	
2-Butanone (MEK)	ND U	10	1	09/28/21 04:32	
Carbon Disulfide	ND U	10	1	09/28/21 04:32	
Carbon Tetrachloride	ND U	5.0	1	09/28/21 04:32	
Chlorobenzene	ND U	5.0	1	09/28/21 04:32	
Chloroethane	ND U	5.0	1	09/28/21 04:32	
Chloroform	ND U	5.0	1	09/28/21 04:32	
Chloromethane	ND U	5.0	1	09/28/21 04:32	
Dibromochloromethane	ND U	5.0	1	09/28/21 04:32	
1,1-Dichloroethane	ND U	5.0	1	09/28/21 04:32	
1,2-Dichloroethane	ND U	5.0	1	09/28/21 04:32	
1,1-Dichloroethene	ND U	5.0	1	09/28/21 04:32	
cis-1,2-Dichloroethene	ND U	5.0	1	09/28/21 04:32	
trans-1,2-Dichloroethene	ND U	5.0	1	09/28/21 04:32	
1,2-Dichloropropane	ND U	5.0	1	09/28/21 04:32	
cis-1,3-Dichloropropene	ND U	5.0	1	09/28/21 04:32	
trans-1,3-Dichloropropene	ND U	5.0	1	09/28/21 04:32	
Ethylbenzene	ND U	5.0	1	09/28/21 04:32	
2-Hexanone	ND U	10	1	09/28/21 04:32	
Methylene Chloride	ND U	5.0	1	09/28/21 04:32	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	09/28/21 04:32	
Styrene	ND U	5.0	1	09/28/21 04:32	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	09/28/21 04:32	
Tetrachloroethene	ND U	5.0	1	09/28/21 04:32	
Toluene	ND U	5.0	1	09/28/21 04:32	
1,1,1-Trichloroethane	ND U	5.0	1	09/28/21 04:32	
1,1,2-Trichloroethane	ND U	5.0	1	09/28/21 04:32	
Trichloroethene	ND U	5.0	1	09/28/21 04:32	
Vinyl Chloride	ND U	5.0	1	09/28/21 04:32	
o-Xylene	ND U	5.0	1	09/28/21 04:32	
m,p-Xylenes	ND U	5.0	1	09/28/21 04:32	

ALS Group USA, Corp.
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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 08:30
Date Received: 09/20/21 12:16

Sample Name: MW-11S
Lab Code: R2109739-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	09/28/21 04:32	
Toluene-d8	107	87 - 121	09/28/21 04:32	
Dibromofluoromethane	107	80 - 116	09/28/21 04:32	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 08:30
Date Received: 09/20/21 12:16

Sample Name: MW-11M
Lab Code: R2109739-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	09/28/21 04:54	
Benzene	ND U	5.0	1	09/28/21 04:54	
Bromodichloromethane	ND U	5.0	1	09/28/21 04:54	
Bromoform	ND U	5.0	1	09/28/21 04:54	
Bromomethane	ND U	5.0	1	09/28/21 04:54	
2-Butanone (MEK)	ND U	10	1	09/28/21 04:54	
Carbon Disulfide	ND U	10	1	09/28/21 04:54	
Carbon Tetrachloride	ND U	5.0	1	09/28/21 04:54	
Chlorobenzene	ND U	5.0	1	09/28/21 04:54	
Chloroethane	ND U	5.0	1	09/28/21 04:54	
Chloroform	ND U	5.0	1	09/28/21 04:54	
Chloromethane	ND U	5.0	1	09/28/21 04:54	
Dibromochloromethane	ND U	5.0	1	09/28/21 04:54	
1,1-Dichloroethane	ND U	5.0	1	09/28/21 04:54	
1,2-Dichloroethane	ND U	5.0	1	09/28/21 04:54	
1,1-Dichloroethene	ND U	5.0	1	09/28/21 04:54	
cis-1,2-Dichloroethene	ND U	5.0	1	09/28/21 04:54	
trans-1,2-Dichloroethene	ND U	5.0	1	09/28/21 04:54	
1,2-Dichloropropane	ND U	5.0	1	09/28/21 04:54	
cis-1,3-Dichloropropene	ND U	5.0	1	09/28/21 04:54	
trans-1,3-Dichloropropene	ND U	5.0	1	09/28/21 04:54	
Ethylbenzene	ND U	5.0	1	09/28/21 04:54	
2-Hexanone	ND U	10	1	09/28/21 04:54	
Methylene Chloride	ND U	5.0	1	09/28/21 04:54	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	09/28/21 04:54	
Styrene	ND U	5.0	1	09/28/21 04:54	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	09/28/21 04:54	
Tetrachloroethene	ND U	5.0	1	09/28/21 04:54	
Toluene	ND U	5.0	1	09/28/21 04:54	
1,1,1-Trichloroethane	ND U	5.0	1	09/28/21 04:54	
1,1,2-Trichloroethane	ND U	5.0	1	09/28/21 04:54	
Trichloroethene	ND U	5.0	1	09/28/21 04:54	
Vinyl Chloride	ND U	5.0	1	09/28/21 04:54	
o-Xylene	ND U	5.0	1	09/28/21 04:54	
m,p-Xylenes	ND U	5.0	1	09/28/21 04:54	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 08:30
Date Received: 09/20/21 12:16

Sample Name: MW-11M
Lab Code: R2109739-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	09/28/21 04:54	
Toluene-d8	107	87 - 121	09/28/21 04:54	
Dibromofluoromethane	103	80 - 116	09/28/21 04:54	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 09:28
Date Received: 09/20/21 12:16

Sample Name: MW-12S
Lab Code: R2109739-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	09/28/21 05:16	
Benzene	ND U	5.0	1	09/28/21 05:16	
Bromodichloromethane	ND U	5.0	1	09/28/21 05:16	
Bromoform	ND U	5.0	1	09/28/21 05:16	
Bromomethane	ND U	5.0	1	09/28/21 05:16	
2-Butanone (MEK)	ND U	10	1	09/28/21 05:16	
Carbon Disulfide	ND U	10	1	09/28/21 05:16	
Carbon Tetrachloride	ND U	5.0	1	09/28/21 05:16	
Chlorobenzene	ND U	5.0	1	09/28/21 05:16	
Chloroethane	ND U	5.0	1	09/28/21 05:16	
Chloroform	ND U	5.0	1	09/28/21 05:16	
Chloromethane	ND U	5.0	1	09/28/21 05:16	
Dibromochloromethane	ND U	5.0	1	09/28/21 05:16	
1,1-Dichloroethane	ND U	5.0	1	09/28/21 05:16	
1,2-Dichloroethane	ND U	5.0	1	09/28/21 05:16	
1,1-Dichloroethene	ND U	5.0	1	09/28/21 05:16	
cis-1,2-Dichloroethene	ND U	5.0	1	09/28/21 05:16	
trans-1,2-Dichloroethene	ND U	5.0	1	09/28/21 05:16	
1,2-Dichloropropane	ND U	5.0	1	09/28/21 05:16	
cis-1,3-Dichloropropene	ND U	5.0	1	09/28/21 05:16	
trans-1,3-Dichloropropene	ND U	5.0	1	09/28/21 05:16	
Ethylbenzene	ND U	5.0	1	09/28/21 05:16	
2-Hexanone	ND U	10	1	09/28/21 05:16	
Methylene Chloride	ND U	5.0	1	09/28/21 05:16	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	09/28/21 05:16	
Styrene	ND U	5.0	1	09/28/21 05:16	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	09/28/21 05:16	
Tetrachloroethene	ND U	5.0	1	09/28/21 05:16	
Toluene	ND U	5.0	1	09/28/21 05:16	
1,1,1-Trichloroethane	ND U	5.0	1	09/28/21 05:16	
1,1,2-Trichloroethane	ND U	5.0	1	09/28/21 05:16	
Trichloroethene	ND U	5.0	1	09/28/21 05:16	
Vinyl Chloride	ND U	5.0	1	09/28/21 05:16	
o-Xylene	ND U	5.0	1	09/28/21 05:16	
m,p-Xylenes	ND U	5.0	1	09/28/21 05:16	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 09:28
Date Received: 09/20/21 12:16

Sample Name: MW-12S
Lab Code: R2109739-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	09/28/21 05:16	
Toluene-d8	105	87 - 121	09/28/21 05:16	
Dibromofluoromethane	101	80 - 116	09/28/21 05:16	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 09:10
Date Received: 09/20/21 12:16

Sample Name: MW-12M
Lab Code: R2109739-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	09/28/21 05:37	
Benzene	ND U	5.0	1	09/28/21 05:37	
Bromodichloromethane	ND U	5.0	1	09/28/21 05:37	
Bromoform	ND U	5.0	1	09/28/21 05:37	
Bromomethane	ND U	5.0	1	09/28/21 05:37	
2-Butanone (MEK)	ND U	10	1	09/28/21 05:37	
Carbon Disulfide	ND U	10	1	09/28/21 05:37	
Carbon Tetrachloride	ND U	5.0	1	09/28/21 05:37	
Chlorobenzene	ND U	5.0	1	09/28/21 05:37	
Chloroethane	ND U	5.0	1	09/28/21 05:37	
Chloroform	ND U	5.0	1	09/28/21 05:37	
Chloromethane	ND U	5.0	1	09/28/21 05:37	
Dibromochloromethane	ND U	5.0	1	09/28/21 05:37	
1,1-Dichloroethane	ND U	5.0	1	09/28/21 05:37	
1,2-Dichloroethane	ND U	5.0	1	09/28/21 05:37	
1,1-Dichloroethene	ND U	5.0	1	09/28/21 05:37	
cis-1,2-Dichloroethene	ND U	5.0	1	09/28/21 05:37	
trans-1,2-Dichloroethene	ND U	5.0	1	09/28/21 05:37	
1,2-Dichloropropane	ND U	5.0	1	09/28/21 05:37	
cis-1,3-Dichloropropene	ND U	5.0	1	09/28/21 05:37	
trans-1,3-Dichloropropene	ND U	5.0	1	09/28/21 05:37	
Ethylbenzene	ND U	5.0	1	09/28/21 05:37	
2-Hexanone	ND U	10	1	09/28/21 05:37	
Methylene Chloride	ND U	5.0	1	09/28/21 05:37	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	09/28/21 05:37	
Styrene	ND U	5.0	1	09/28/21 05:37	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	09/28/21 05:37	
Tetrachloroethene	ND U	5.0	1	09/28/21 05:37	
Toluene	ND U	5.0	1	09/28/21 05:37	
1,1,1-Trichloroethane	ND U	5.0	1	09/28/21 05:37	
1,1,2-Trichloroethane	ND U	5.0	1	09/28/21 05:37	
Trichloroethene	ND U	5.0	1	09/28/21 05:37	
Vinyl Chloride	ND U	5.0	1	09/28/21 05:37	
o-Xylene	ND U	5.0	1	09/28/21 05:37	
m,p-Xylenes	ND U	5.0	1	09/28/21 05:37	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 09:10
Date Received: 09/20/21 12:16

Sample Name: MW-12M
Lab Code: R2109739-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/28/21 05:37	
Toluene-d8	103	87 - 121	09/28/21 05:37	
Dibromofluoromethane	100	80 - 116	09/28/21 05:37	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 09:30
Date Received: 09/20/21 12:16

Sample Name: MW-12D
Lab Code: R2109739-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	09/28/21 05:59	
Benzene	ND U	5.0	1	09/28/21 05:59	
Bromodichloromethane	ND U	5.0	1	09/28/21 05:59	
Bromoform	ND U	5.0	1	09/28/21 05:59	
Bromomethane	ND U	5.0	1	09/28/21 05:59	
2-Butanone (MEK)	ND U	10	1	09/28/21 05:59	
Carbon Disulfide	ND U	10	1	09/28/21 05:59	
Carbon Tetrachloride	ND U	5.0	1	09/28/21 05:59	
Chlorobenzene	ND U	5.0	1	09/28/21 05:59	
Chloroethane	ND U	5.0	1	09/28/21 05:59	
Chloroform	ND U	5.0	1	09/28/21 05:59	
Chloromethane	ND U	5.0	1	09/28/21 05:59	
Dibromochloromethane	ND U	5.0	1	09/28/21 05:59	
1,1-Dichloroethane	ND U	5.0	1	09/28/21 05:59	
1,2-Dichloroethane	ND U	5.0	1	09/28/21 05:59	
1,1-Dichloroethene	ND U	5.0	1	09/28/21 05:59	
cis-1,2-Dichloroethene	ND U	5.0	1	09/28/21 05:59	
trans-1,2-Dichloroethene	ND U	5.0	1	09/28/21 05:59	
1,2-Dichloropropane	ND U	5.0	1	09/28/21 05:59	
cis-1,3-Dichloropropene	ND U	5.0	1	09/28/21 05:59	
trans-1,3-Dichloropropene	ND U	5.0	1	09/28/21 05:59	
Ethylbenzene	ND U	5.0	1	09/28/21 05:59	
2-Hexanone	ND U	10	1	09/28/21 05:59	
Methylene Chloride	ND U	5.0	1	09/28/21 05:59	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	09/28/21 05:59	
Styrene	ND U	5.0	1	09/28/21 05:59	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	09/28/21 05:59	
Tetrachloroethene	ND U	5.0	1	09/28/21 05:59	
Toluene	ND U	5.0	1	09/28/21 05:59	
1,1,1-Trichloroethane	ND U	5.0	1	09/28/21 05:59	
1,1,2-Trichloroethane	ND U	5.0	1	09/28/21 05:59	
Trichloroethene	ND U	5.0	1	09/28/21 05:59	
Vinyl Chloride	ND U	5.0	1	09/28/21 05:59	
o-Xylene	ND U	5.0	1	09/28/21 05:59	
m,p-Xylenes	ND U	5.0	1	09/28/21 05:59	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 09:30
Date Received: 09/20/21 12:16

Sample Name: MW-12D
Lab Code: R2109739-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	09/28/21 05:59	
Toluene-d8	105	87 - 121	09/28/21 05:59	
Dibromofluoromethane	102	80 - 116	09/28/21 05:59	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 09:50
Date Received: 09/20/21 12:16

Sample Name: MW-13S
Lab Code: R2109739-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	09/28/21 06:21	
Benzene	ND U	5.0	1	09/28/21 06:21	
Bromodichloromethane	ND U	5.0	1	09/28/21 06:21	
Bromoform	ND U	5.0	1	09/28/21 06:21	
Bromomethane	ND U	5.0	1	09/28/21 06:21	
2-Butanone (MEK)	ND U	10	1	09/28/21 06:21	
Carbon Disulfide	ND U	10	1	09/28/21 06:21	
Carbon Tetrachloride	ND U	5.0	1	09/28/21 06:21	
Chlorobenzene	ND U	5.0	1	09/28/21 06:21	
Chloroethane	ND U	5.0	1	09/28/21 06:21	
Chloroform	ND U	5.0	1	09/28/21 06:21	
Chloromethane	ND U	5.0	1	09/28/21 06:21	
Dibromochloromethane	ND U	5.0	1	09/28/21 06:21	
1,1-Dichloroethane	ND U	5.0	1	09/28/21 06:21	
1,2-Dichloroethane	ND U	5.0	1	09/28/21 06:21	
1,1-Dichloroethene	ND U	5.0	1	09/28/21 06:21	
cis-1,2-Dichloroethene	ND U	5.0	1	09/28/21 06:21	
trans-1,2-Dichloroethene	ND U	5.0	1	09/28/21 06:21	
1,2-Dichloropropane	ND U	5.0	1	09/28/21 06:21	
cis-1,3-Dichloropropene	ND U	5.0	1	09/28/21 06:21	
trans-1,3-Dichloropropene	ND U	5.0	1	09/28/21 06:21	
Ethylbenzene	ND U	5.0	1	09/28/21 06:21	
2-Hexanone	ND U	10	1	09/28/21 06:21	
Methylene Chloride	ND U	5.0	1	09/28/21 06:21	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	09/28/21 06:21	
Styrene	ND U	5.0	1	09/28/21 06:21	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	09/28/21 06:21	
Tetrachloroethene	ND U	5.0	1	09/28/21 06:21	
Toluene	ND U	5.0	1	09/28/21 06:21	
1,1,1-Trichloroethane	ND U	5.0	1	09/28/21 06:21	
1,1,2-Trichloroethane	ND U	5.0	1	09/28/21 06:21	
Trichloroethene	ND U	5.0	1	09/28/21 06:21	
Vinyl Chloride	ND U	5.0	1	09/28/21 06:21	
o-Xylene	ND U	5.0	1	09/28/21 06:21	
m,p-Xylenes	ND U	5.0	1	09/28/21 06:21	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 09:50
Date Received: 09/20/21 12:16

Sample Name: MW-13S
Lab Code: R2109739-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/28/21 06:21	
Toluene-d8	106	87 - 121	09/28/21 06:21	
Dibromofluoromethane	101	80 - 116	09/28/21 06:21	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 10:00
Date Received: 09/20/21 12:16

Sample Name: MW-13M
Lab Code: R2109739-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	09/28/21 06:43	
Benzene	ND U	5.0	1	09/28/21 06:43	
Bromodichloromethane	ND U	5.0	1	09/28/21 06:43	
Bromoform	ND U	5.0	1	09/28/21 06:43	
Bromomethane	ND U	5.0	1	09/28/21 06:43	
2-Butanone (MEK)	ND U	10	1	09/28/21 06:43	
Carbon Disulfide	ND U	10	1	09/28/21 06:43	
Carbon Tetrachloride	ND U	5.0	1	09/28/21 06:43	
Chlorobenzene	ND U	5.0	1	09/28/21 06:43	
Chloroethane	ND U	5.0	1	09/28/21 06:43	
Chloroform	ND U	5.0	1	09/28/21 06:43	
Chloromethane	ND U	5.0	1	09/28/21 06:43	
Dibromochloromethane	ND U	5.0	1	09/28/21 06:43	
1,1-Dichloroethane	ND U	5.0	1	09/28/21 06:43	
1,2-Dichloroethane	ND U	5.0	1	09/28/21 06:43	
1,1-Dichloroethene	ND U	5.0	1	09/28/21 06:43	
cis-1,2-Dichloroethene	ND U	5.0	1	09/28/21 06:43	
trans-1,2-Dichloroethene	ND U	5.0	1	09/28/21 06:43	
1,2-Dichloropropane	ND U	5.0	1	09/28/21 06:43	
cis-1,3-Dichloropropene	ND U	5.0	1	09/28/21 06:43	
trans-1,3-Dichloropropene	ND U	5.0	1	09/28/21 06:43	
Ethylbenzene	ND U	5.0	1	09/28/21 06:43	
2-Hexanone	ND U	10	1	09/28/21 06:43	
Methylene Chloride	ND U	5.0	1	09/28/21 06:43	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	09/28/21 06:43	
Styrene	ND U	5.0	1	09/28/21 06:43	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	09/28/21 06:43	
Tetrachloroethene	ND U	5.0	1	09/28/21 06:43	
Toluene	ND U	5.0	1	09/28/21 06:43	
1,1,1-Trichloroethane	ND U	5.0	1	09/28/21 06:43	
1,1,2-Trichloroethane	ND U	5.0	1	09/28/21 06:43	
Trichloroethene	ND U	5.0	1	09/28/21 06:43	
Vinyl Chloride	ND U	5.0	1	09/28/21 06:43	
o-Xylene	ND U	5.0	1	09/28/21 06:43	
m,p-Xylenes	ND U	5.0	1	09/28/21 06:43	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 10:00
Date Received: 09/20/21 12:16

Sample Name: MW-13M
Lab Code: R2109739-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	09/28/21 06:43	
Toluene-d8	104	87 - 121	09/28/21 06:43	
Dibromofluoromethane	102	80 - 116	09/28/21 06:43	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 08:00
Date Received: 09/20/21 12:16

Sample Name: MW-14S
Lab Code: R2109739-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	09/28/21 07:05	
Benzene	ND U	5.0	1	09/28/21 07:05	
Bromodichloromethane	ND U	5.0	1	09/28/21 07:05	
Bromoform	ND U	5.0	1	09/28/21 07:05	
Bromomethane	ND U	5.0	1	09/28/21 07:05	
2-Butanone (MEK)	ND U	10	1	09/28/21 07:05	
Carbon Disulfide	ND U	10	1	09/28/21 07:05	
Carbon Tetrachloride	ND U	5.0	1	09/28/21 07:05	
Chlorobenzene	ND U	5.0	1	09/28/21 07:05	
Chloroethane	ND U	5.0	1	09/28/21 07:05	
Chloroform	ND U	5.0	1	09/28/21 07:05	
Chloromethane	ND U	5.0	1	09/28/21 07:05	
Dibromochloromethane	ND U	5.0	1	09/28/21 07:05	
1,1-Dichloroethane	ND U	5.0	1	09/28/21 07:05	
1,2-Dichloroethane	ND U	5.0	1	09/28/21 07:05	
1,1-Dichloroethene	ND U	5.0	1	09/28/21 07:05	
cis-1,2-Dichloroethene	ND U	5.0	1	09/28/21 07:05	
trans-1,2-Dichloroethene	ND U	5.0	1	09/28/21 07:05	
1,2-Dichloropropane	ND U	5.0	1	09/28/21 07:05	
cis-1,3-Dichloropropene	ND U	5.0	1	09/28/21 07:05	
trans-1,3-Dichloropropene	ND U	5.0	1	09/28/21 07:05	
Ethylbenzene	ND U	5.0	1	09/28/21 07:05	
2-Hexanone	ND U	10	1	09/28/21 07:05	
Methylene Chloride	ND U	5.0	1	09/28/21 07:05	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	09/28/21 07:05	
Styrene	ND U	5.0	1	09/28/21 07:05	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	09/28/21 07:05	
Tetrachloroethene	ND U	5.0	1	09/28/21 07:05	
Toluene	ND U	5.0	1	09/28/21 07:05	
1,1,1-Trichloroethane	ND U	5.0	1	09/28/21 07:05	
1,1,2-Trichloroethane	ND U	5.0	1	09/28/21 07:05	
Trichloroethene	ND U	5.0	1	09/28/21 07:05	
Vinyl Chloride	ND U	5.0	1	09/28/21 07:05	
o-Xylene	ND U	5.0	1	09/28/21 07:05	
m,p-Xylenes	ND U	5.0	1	09/28/21 07:05	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 08:00
Date Received: 09/20/21 12:16

Sample Name: MW-14S
Lab Code: R2109739-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	09/28/21 07:05	
Toluene-d8	108	87 - 121	09/28/21 07:05	
Dibromofluoromethane	104	80 - 116	09/28/21 07:05	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21
Date Received: 09/20/21 12:16

Sample Name: TB 092021 A
Lab Code: R2109739-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	09/28/21 03:05	
Benzene	ND U	5.0	1	09/28/21 03:05	
Bromodichloromethane	ND U	5.0	1	09/28/21 03:05	
Bromoform	ND U	5.0	1	09/28/21 03:05	
Bromomethane	ND U	5.0	1	09/28/21 03:05	
2-Butanone (MEK)	ND U	10	1	09/28/21 03:05	
Carbon Disulfide	ND U	10	1	09/28/21 03:05	
Carbon Tetrachloride	ND U	5.0	1	09/28/21 03:05	
Chlorobenzene	ND U	5.0	1	09/28/21 03:05	
Chloroethane	ND U	5.0	1	09/28/21 03:05	
Chloroform	ND U	5.0	1	09/28/21 03:05	
Chloromethane	ND U	5.0	1	09/28/21 03:05	
Dibromochloromethane	ND U	5.0	1	09/28/21 03:05	
1,1-Dichloroethane	ND U	5.0	1	09/28/21 03:05	
1,2-Dichloroethane	ND U	5.0	1	09/28/21 03:05	
1,1-Dichloroethene	ND U	5.0	1	09/28/21 03:05	
cis-1,2-Dichloroethene	ND U	5.0	1	09/28/21 03:05	
trans-1,2-Dichloroethene	ND U	5.0	1	09/28/21 03:05	
1,2-Dichloropropane	ND U	5.0	1	09/28/21 03:05	
cis-1,3-Dichloropropene	ND U	5.0	1	09/28/21 03:05	
trans-1,3-Dichloropropene	ND U	5.0	1	09/28/21 03:05	
Ethylbenzene	ND U	5.0	1	09/28/21 03:05	
2-Hexanone	ND U	10	1	09/28/21 03:05	
Methylene Chloride	ND U	5.0	1	09/28/21 03:05	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	09/28/21 03:05	
Styrene	ND U	5.0	1	09/28/21 03:05	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	09/28/21 03:05	
Tetrachloroethene	ND U	5.0	1	09/28/21 03:05	
Toluene	ND U	5.0	1	09/28/21 03:05	
1,1,1-Trichloroethane	ND U	5.0	1	09/28/21 03:05	
1,1,2-Trichloroethane	ND U	5.0	1	09/28/21 03:05	
Trichloroethene	ND U	5.0	1	09/28/21 03:05	
Vinyl Chloride	ND U	5.0	1	09/28/21 03:05	
o-Xylene	ND U	5.0	1	09/28/21 03:05	
m,p-Xylenes	ND U	5.0	1	09/28/21 03:05	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21
Date Received: 09/20/21 12:16

Sample Name: TB 092021 A
Lab Code: R2109739-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/28/21 03:05	
Toluene-d8	104	87 - 121	09/28/21 03:05	
Dibromofluoromethane	99	80 - 116	09/28/21 03:05	



Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/19/21 13:20
Date Received: 09/20/21 12:16

Sample Name: MW-10S
Lab Code: R2109739-001

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	ND U	9.1	1	09/28/21 18:44	9/24/21	
1,2-Dichlorobenzene	ND U	9.1	1	09/28/21 18:44	9/24/21	
1,3-Dichlorobenzene	ND U	9.1	1	09/28/21 18:44	9/24/21	
1,4-Dichlorobenzene	ND U	9.1	1	09/28/21 18:44	9/24/21	
2,4,5-Trichlorophenol	ND U	9.1	1	09/28/21 18:44	9/24/21	
2,4,6-Trichlorophenol	ND U	9.1	1	09/28/21 18:44	9/24/21	
2,4-Dichlorophenol	ND U	9.1	1	09/28/21 18:44	9/24/21	
2,4-Dimethylphenol	ND U	9.1	1	09/28/21 18:44	9/24/21	
2,4-Dinitrophenol	ND U	45	1	09/28/21 18:44	9/24/21	
2,4-Dinitrotoluene	ND U	9.1	1	09/28/21 18:44	9/24/21	
2,6-Dinitrotoluene	ND U	9.1	1	09/28/21 18:44	9/24/21	
2-Chloronaphthalene	ND U	9.1	1	09/28/21 18:44	9/24/21	
2-Chlorophenol	ND U	9.1	1	09/28/21 18:44	9/24/21	
2-Methylnaphthalene	ND U	9.1	1	09/28/21 18:44	9/24/21	
2-Methylphenol	ND U	9.1	1	09/28/21 18:44	9/24/21	
2-Nitroaniline	ND U	9.1	1	09/28/21 18:44	9/24/21	
2-Nitrophenol	ND U	9.1	1	09/28/21 18:44	9/24/21	
3,3'-Dichlorobenzidine	ND U	9.1	1	09/28/21 18:44	9/24/21	
3- and 4-Methylphenol Coelution	ND U	9.1	1	09/28/21 18:44	9/24/21	
3-Nitroaniline	ND U	9.1	1	09/28/21 18:44	9/24/21	
4,6-Dinitro-2-methylphenol	ND U	45	1	09/28/21 18:44	9/24/21	
4-Bromophenyl Phenyl Ether	ND U	9.1	1	09/28/21 18:44	9/24/21	
4-Chloro-3-methylphenol	ND U	9.1	1	09/28/21 18:44	9/24/21	
4-Chloroaniline	ND U	9.1	1	09/28/21 18:44	9/24/21	
4-Chlorophenyl Phenyl Ether	ND U	9.1	1	09/28/21 18:44	9/24/21	
4-Nitroaniline	ND U	9.1	1	09/28/21 18:44	9/24/21	
4-Nitrophenol	ND U	45	1	09/28/21 18:44	9/24/21	
Acenaphthene	ND U	9.1	1	09/28/21 18:44	9/24/21	
Acenaphthylene	ND U	9.1	1	09/28/21 18:44	9/24/21	
Anthracene	ND U	9.1	1	09/28/21 18:44	9/24/21	
Benz(a)anthracene	ND U	9.1	1	09/28/21 18:44	9/24/21	
Benzo(a)pyrene	ND U	9.1	1	09/28/21 18:44	9/24/21	
Benzo(b)fluoranthene	ND U	9.1	1	09/28/21 18:44	9/24/21	
Benzo(g,h,i)perylene	ND U	9.1	1	09/28/21 18:44	9/24/21	
Benzo(k)fluoranthene	ND U	9.1	1	09/28/21 18:44	9/24/21	
Benzyl Alcohol	ND U	9.1	1	09/28/21 18:44	9/24/21	
2,2'-Oxybis(1-chloropropane)	ND U	9.1	1	09/28/21 18:44	9/24/21	
Bis(2-chloroethoxy)methane	ND U	9.1	1	09/28/21 18:44	9/24/21	
Bis(2-chloroethyl) Ether	ND U	9.1	1	09/28/21 18:44	9/24/21	
Bis(2-ethylhexyl) Phthalate	ND U	9.1	1	09/28/21 18:44	9/24/21	
Butyl Benzyl Phthalate	ND U	9.1	1	09/28/21 18:44	9/24/21	

ALS Group USA, Corp.
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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/19/21 13:20
Date Received: 09/20/21 12:16

Sample Name: MW-10S
Lab Code: R2109739-001

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	9.1	1	09/28/21 18:44	9/24/21	
Chrysene	ND U	9.1	1	09/28/21 18:44	9/24/21	
Di-n-butyl Phthalate	ND U	9.1	1	09/28/21 18:44	9/24/21	
Di-n-octyl Phthalate	ND U	9.1	1	09/28/21 18:44	9/24/21	
Dibenz(a,h)anthracene	ND U	9.1	1	09/28/21 18:44	9/24/21	
Dibenzofuran	ND U	9.1	1	09/28/21 18:44	9/24/21	
Diethyl Phthalate	ND U	9.1	1	09/28/21 18:44	9/24/21	
Dimethyl Phthalate	ND U	9.1	1	09/28/21 18:44	9/24/21	
Fluoranthene	ND U	9.1	1	09/28/21 18:44	9/24/21	
Fluorene	ND U	9.1	1	09/28/21 18:44	9/24/21	
Hexachlorobenzene	ND U	9.1	1	09/28/21 18:44	9/24/21	
Hexachlorobutadiene	ND U	9.1	1	09/28/21 18:44	9/24/21	
Hexachlorocyclopentadiene	ND U	9.1	1	09/28/21 18:44	9/24/21	
Hexachloroethane	ND U	9.1	1	09/28/21 18:44	9/24/21	
Indeno(1,2,3-cd)pyrene	ND U	9.1	1	09/28/21 18:44	9/24/21	
Isophorone	ND U	9.1	1	09/28/21 18:44	9/24/21	
N-Nitrosodi-n-propylamine	ND U	9.1	1	09/28/21 18:44	9/24/21	
N-Nitrosodimethylamine	ND U	9.1	1	09/28/21 18:44	9/24/21	
N-Nitrosodiphenylamine	ND U	9.1	1	09/28/21 18:44	9/24/21	
Naphthalene	ND U	9.1	1	09/28/21 18:44	9/24/21	
Nitrobenzene	ND U	9.1	1	09/28/21 18:44	9/24/21	
Pentachlorophenol (PCP)	ND U	45	1	09/28/21 18:44	9/24/21	
Phenanthrene	ND U	9.1	1	09/28/21 18:44	9/24/21	
Phenol	ND U	9.1	1	09/28/21 18:44	9/24/21	
Pyrene	ND U	9.1	1	09/28/21 18:44	9/24/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	87	35 - 141	09/28/21 18:44	
2-Fluorobiphenyl	66	31 - 118	09/28/21 18:44	
2-Fluorophenol	48	10 - 105	09/28/21 18:44	
Nitrobenzene-d5	65	31 - 110	09/28/21 18:44	
Phenol-d6	32	10 - 107	09/28/21 18:44	
p-Terphenyl-d14	71	10 - 165	09/28/21 18:44	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/19/21 13:10
Date Received: 09/20/21 12:16

Sample Name: MW-10M
Lab Code: R2109739-002

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	ND U	9.1	1	09/28/21 19:11	9/24/21	
1,2-Dichlorobenzene	ND U	9.1	1	09/28/21 19:11	9/24/21	
1,3-Dichlorobenzene	ND U	9.1	1	09/28/21 19:11	9/24/21	
1,4-Dichlorobenzene	ND U	9.1	1	09/28/21 19:11	9/24/21	
2,4,5-Trichlorophenol	ND U	9.1	1	09/28/21 19:11	9/24/21	
2,4,6-Trichlorophenol	ND U	9.1	1	09/28/21 19:11	9/24/21	
2,4-Dichlorophenol	ND U	9.1	1	09/28/21 19:11	9/24/21	
2,4-Dimethylphenol	ND U	9.1	1	09/28/21 19:11	9/24/21	
2,4-Dinitrophenol	ND U	45	1	09/28/21 19:11	9/24/21	
2,4-Dinitrotoluene	ND U	9.1	1	09/28/21 19:11	9/24/21	
2,6-Dinitrotoluene	ND U	9.1	1	09/28/21 19:11	9/24/21	
2-Chloronaphthalene	ND U	9.1	1	09/28/21 19:11	9/24/21	
2-Chlorophenol	ND U	9.1	1	09/28/21 19:11	9/24/21	
2-Methylnaphthalene	ND U	9.1	1	09/28/21 19:11	9/24/21	
2-Methylphenol	ND U	9.1	1	09/28/21 19:11	9/24/21	
2-Nitroaniline	ND U	9.1	1	09/28/21 19:11	9/24/21	
2-Nitrophenol	ND U	9.1	1	09/28/21 19:11	9/24/21	
3,3'-Dichlorobenzidine	ND U	9.1	1	09/28/21 19:11	9/24/21	
3- and 4-Methylphenol Coelution	ND U	9.1	1	09/28/21 19:11	9/24/21	
3-Nitroaniline	ND U	9.1	1	09/28/21 19:11	9/24/21	
4,6-Dinitro-2-methylphenol	ND U	45	1	09/28/21 19:11	9/24/21	
4-Bromophenyl Phenyl Ether	ND U	9.1	1	09/28/21 19:11	9/24/21	
4-Chloro-3-methylphenol	ND U	9.1	1	09/28/21 19:11	9/24/21	
4-Chloroaniline	ND U	9.1	1	09/28/21 19:11	9/24/21	
4-Chlorophenyl Phenyl Ether	ND U	9.1	1	09/28/21 19:11	9/24/21	
4-Nitroaniline	ND U	9.1	1	09/28/21 19:11	9/24/21	
4-Nitrophenol	ND U	45	1	09/28/21 19:11	9/24/21	
Acenaphthene	ND U	9.1	1	09/28/21 19:11	9/24/21	
Acenaphthylene	ND U	9.1	1	09/28/21 19:11	9/24/21	
Anthracene	ND U	9.1	1	09/28/21 19:11	9/24/21	
Benz(a)anthracene	ND U	9.1	1	09/28/21 19:11	9/24/21	
Benzo(a)pyrene	ND U	9.1	1	09/28/21 19:11	9/24/21	
Benzo(b)fluoranthene	ND U	9.1	1	09/28/21 19:11	9/24/21	
Benzo(g,h,i)perylene	ND U	9.1	1	09/28/21 19:11	9/24/21	
Benzo(k)fluoranthene	ND U	9.1	1	09/28/21 19:11	9/24/21	
Benzyl Alcohol	ND U	9.1	1	09/28/21 19:11	9/24/21	
2,2'-Oxybis(1-chloropropane)	ND U	9.1	1	09/28/21 19:11	9/24/21	
Bis(2-chloroethoxy)methane	ND U	9.1	1	09/28/21 19:11	9/24/21	
Bis(2-chloroethyl) Ether	ND U	9.1	1	09/28/21 19:11	9/24/21	
Bis(2-ethylhexyl) Phthalate	ND U	9.1	1	09/28/21 19:11	9/24/21	
Butyl Benzyl Phthalate	ND U	9.1	1	09/28/21 19:11	9/24/21	

ALS Group USA, Corp.
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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/19/21 13:10
Date Received: 09/20/21 12:16

Sample Name: MW-10M
Lab Code: R2109739-002

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	9.1	1	09/28/21 19:11	9/24/21	
Chrysene	ND U	9.1	1	09/28/21 19:11	9/24/21	
Di-n-butyl Phthalate	ND U	9.1	1	09/28/21 19:11	9/24/21	
Di-n-octyl Phthalate	ND U	9.1	1	09/28/21 19:11	9/24/21	
Dibenz(a,h)anthracene	ND U	9.1	1	09/28/21 19:11	9/24/21	
Dibenzofuran	ND U	9.1	1	09/28/21 19:11	9/24/21	
Diethyl Phthalate	ND U	9.1	1	09/28/21 19:11	9/24/21	
Dimethyl Phthalate	ND U	9.1	1	09/28/21 19:11	9/24/21	
Fluoranthene	ND U	9.1	1	09/28/21 19:11	9/24/21	
Fluorene	ND U	9.1	1	09/28/21 19:11	9/24/21	
Hexachlorobenzene	ND U	9.1	1	09/28/21 19:11	9/24/21	
Hexachlorobutadiene	ND U	9.1	1	09/28/21 19:11	9/24/21	
Hexachlorocyclopentadiene	ND U	9.1	1	09/28/21 19:11	9/24/21	
Hexachloroethane	ND U	9.1	1	09/28/21 19:11	9/24/21	
Indeno(1,2,3-cd)pyrene	ND U	9.1	1	09/28/21 19:11	9/24/21	
Isophorone	ND U	9.1	1	09/28/21 19:11	9/24/21	
N-Nitrosodi-n-propylamine	ND U	9.1	1	09/28/21 19:11	9/24/21	
N-Nitrosodimethylamine	ND U	9.1	1	09/28/21 19:11	9/24/21	
N-Nitrosodiphenylamine	ND U	9.1	1	09/28/21 19:11	9/24/21	
Naphthalene	ND U	9.1	1	09/28/21 19:11	9/24/21	
Nitrobenzene	ND U	9.1	1	09/28/21 19:11	9/24/21	
Pentachlorophenol (PCP)	ND U	45	1	09/28/21 19:11	9/24/21	
Phenanthrene	ND U	9.1	1	09/28/21 19:11	9/24/21	
Phenol	ND U	9.1	1	09/28/21 19:11	9/24/21	
Pyrene	ND U	9.1	1	09/28/21 19:11	9/24/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	89	35 - 141	09/28/21 19:11	
2-Fluorobiphenyl	65	31 - 118	09/28/21 19:11	
2-Fluorophenol	40	10 - 105	09/28/21 19:11	
Nitrobenzene-d5	57	31 - 110	09/28/21 19:11	
Phenol-d6	29	10 - 107	09/28/21 19:11	
p-Terphenyl-d14	69	10 - 165	09/28/21 19:11	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 07:55
Date Received: 09/20/21 12:16

Sample Name: MW-10D
Lab Code: R2109739-003

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	ND U	9.1	1	09/28/21 19:38	9/24/21	
1,2-Dichlorobenzene	ND U	9.1	1	09/28/21 19:38	9/24/21	
1,3-Dichlorobenzene	ND U	9.1	1	09/28/21 19:38	9/24/21	
1,4-Dichlorobenzene	ND U	9.1	1	09/28/21 19:38	9/24/21	
2,4,5-Trichlorophenol	ND U	9.1	1	09/28/21 19:38	9/24/21	
2,4,6-Trichlorophenol	ND U	9.1	1	09/28/21 19:38	9/24/21	
2,4-Dichlorophenol	ND U	9.1	1	09/28/21 19:38	9/24/21	
2,4-Dimethylphenol	ND U	9.1	1	09/28/21 19:38	9/24/21	
2,4-Dinitrophenol	ND U	45	1	09/28/21 19:38	9/24/21	
2,4-Dinitrotoluene	ND U	9.1	1	09/28/21 19:38	9/24/21	
2,6-Dinitrotoluene	ND U	9.1	1	09/28/21 19:38	9/24/21	
2-Chloronaphthalene	ND U	9.1	1	09/28/21 19:38	9/24/21	
2-Chlorophenol	ND U	9.1	1	09/28/21 19:38	9/24/21	
2-Methylnaphthalene	ND U	9.1	1	09/28/21 19:38	9/24/21	
2-Methylphenol	ND U	9.1	1	09/28/21 19:38	9/24/21	
2-Nitroaniline	ND U	9.1	1	09/28/21 19:38	9/24/21	
2-Nitrophenol	ND U	9.1	1	09/28/21 19:38	9/24/21	
3,3'-Dichlorobenzidine	ND U	9.1	1	09/28/21 19:38	9/24/21	
3- and 4-Methylphenol Coelution	ND U	9.1	1	09/28/21 19:38	9/24/21	
3-Nitroaniline	ND U	9.1	1	09/28/21 19:38	9/24/21	
4,6-Dinitro-2-methylphenol	ND U	45	1	09/28/21 19:38	9/24/21	
4-Bromophenyl Phenyl Ether	ND U	9.1	1	09/28/21 19:38	9/24/21	
4-Chloro-3-methylphenol	ND U	9.1	1	09/28/21 19:38	9/24/21	
4-Chloroaniline	ND U	9.1	1	09/28/21 19:38	9/24/21	
4-Chlorophenyl Phenyl Ether	ND U	9.1	1	09/28/21 19:38	9/24/21	
4-Nitroaniline	ND U	9.1	1	09/28/21 19:38	9/24/21	
4-Nitrophenol	ND U	45	1	09/28/21 19:38	9/24/21	
Acenaphthene	ND U	9.1	1	09/28/21 19:38	9/24/21	
Acenaphthylene	ND U	9.1	1	09/28/21 19:38	9/24/21	
Anthracene	ND U	9.1	1	09/28/21 19:38	9/24/21	
Benz(a)anthracene	ND U	9.1	1	09/28/21 19:38	9/24/21	
Benzo(a)pyrene	ND U	9.1	1	09/28/21 19:38	9/24/21	
Benzo(b)fluoranthene	ND U	9.1	1	09/28/21 19:38	9/24/21	
Benzo(g,h,i)perylene	ND U	9.1	1	09/28/21 19:38	9/24/21	
Benzo(k)fluoranthene	ND U	9.1	1	09/28/21 19:38	9/24/21	
Benzyl Alcohol	ND U	9.1	1	09/28/21 19:38	9/24/21	
2,2'-Oxybis(1-chloropropane)	ND U	9.1	1	09/28/21 19:38	9/24/21	
Bis(2-chloroethoxy)methane	ND U	9.1	1	09/28/21 19:38	9/24/21	
Bis(2-chloroethyl) Ether	ND U	9.1	1	09/28/21 19:38	9/24/21	
Bis(2-ethylhexyl) Phthalate	ND U	9.1	1	09/28/21 19:38	9/24/21	
Butyl Benzyl Phthalate	ND U	9.1	1	09/28/21 19:38	9/24/21	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 07:55
Date Received: 09/20/21 12:16

Sample Name: MW-10D
Lab Code: R2109739-003

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	9.1	1	09/28/21 19:38	9/24/21	
Chrysene	ND U	9.1	1	09/28/21 19:38	9/24/21	
Di-n-butyl Phthalate	ND U	9.1	1	09/28/21 19:38	9/24/21	
Di-n-octyl Phthalate	ND U	9.1	1	09/28/21 19:38	9/24/21	
Dibenz(a,h)anthracene	ND U	9.1	1	09/28/21 19:38	9/24/21	
Dibenzofuran	ND U	9.1	1	09/28/21 19:38	9/24/21	
Diethyl Phthalate	ND U	9.1	1	09/28/21 19:38	9/24/21	
Dimethyl Phthalate	ND U	9.1	1	09/28/21 19:38	9/24/21	
Fluoranthene	ND U	9.1	1	09/28/21 19:38	9/24/21	
Fluorene	ND U	9.1	1	09/28/21 19:38	9/24/21	
Hexachlorobenzene	ND U	9.1	1	09/28/21 19:38	9/24/21	
Hexachlorobutadiene	ND U	9.1	1	09/28/21 19:38	9/24/21	
Hexachlorocyclopentadiene	ND U	9.1	1	09/28/21 19:38	9/24/21	
Hexachloroethane	ND U	9.1	1	09/28/21 19:38	9/24/21	
Indeno(1,2,3-cd)pyrene	ND U	9.1	1	09/28/21 19:38	9/24/21	
Isophorone	ND U	9.1	1	09/28/21 19:38	9/24/21	
N-Nitrosodi-n-propylamine	ND U	9.1	1	09/28/21 19:38	9/24/21	
N-Nitrosodimethylamine	ND U	9.1	1	09/28/21 19:38	9/24/21	
N-Nitrosodiphenylamine	ND U	9.1	1	09/28/21 19:38	9/24/21	
Naphthalene	ND U	9.1	1	09/28/21 19:38	9/24/21	
Nitrobenzene	ND U	9.1	1	09/28/21 19:38	9/24/21	
Pentachlorophenol (PCP)	ND U	45	1	09/28/21 19:38	9/24/21	
Phenanthrene	ND U	9.1	1	09/28/21 19:38	9/24/21	
Phenol	ND U	9.1	1	09/28/21 19:38	9/24/21	
Pyrene	ND U	9.1	1	09/28/21 19:38	9/24/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	95	35 - 141	09/28/21 19:38	
2-Fluorobiphenyl	60	31 - 118	09/28/21 19:38	
2-Fluorophenol	41	10 - 105	09/28/21 19:38	
Nitrobenzene-d5	57	31 - 110	09/28/21 19:38	
Phenol-d6	30	10 - 107	09/28/21 19:38	
p-Terphenyl-d14	70	10 - 165	09/28/21 19:38	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 08:30
Date Received: 09/20/21 12:16

Sample Name: MW-11S
Lab Code: R2109739-004

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	ND U	9.1	1	09/28/21 20:06	9/24/21	
1,2-Dichlorobenzene	ND U	9.1	1	09/28/21 20:06	9/24/21	
1,3-Dichlorobenzene	ND U	9.1	1	09/28/21 20:06	9/24/21	
1,4-Dichlorobenzene	ND U	9.1	1	09/28/21 20:06	9/24/21	
2,4,5-Trichlorophenol	ND U	9.1	1	09/28/21 20:06	9/24/21	
2,4,6-Trichlorophenol	ND U	9.1	1	09/28/21 20:06	9/24/21	
2,4-Dichlorophenol	ND U	9.1	1	09/28/21 20:06	9/24/21	
2,4-Dimethylphenol	ND U	9.1	1	09/28/21 20:06	9/24/21	
2,4-Dinitrophenol	ND U	45	1	09/28/21 20:06	9/24/21	
2,4-Dinitrotoluene	ND U	9.1	1	09/28/21 20:06	9/24/21	
2,6-Dinitrotoluene	ND U	9.1	1	09/28/21 20:06	9/24/21	
2-Chloronaphthalene	ND U	9.1	1	09/28/21 20:06	9/24/21	
2-Chlorophenol	ND U	9.1	1	09/28/21 20:06	9/24/21	
2-Methylnaphthalene	ND U	9.1	1	09/28/21 20:06	9/24/21	
2-Methylphenol	ND U	9.1	1	09/28/21 20:06	9/24/21	
2-Nitroaniline	ND U	9.1	1	09/28/21 20:06	9/24/21	
2-Nitrophenol	ND U	9.1	1	09/28/21 20:06	9/24/21	
3,3'-Dichlorobenzidine	ND U	9.1	1	09/28/21 20:06	9/24/21	
3- and 4-Methylphenol Coelution	ND U	9.1	1	09/28/21 20:06	9/24/21	
3-Nitroaniline	ND U	9.1	1	09/28/21 20:06	9/24/21	
4,6-Dinitro-2-methylphenol	ND U	45	1	09/28/21 20:06	9/24/21	
4-Bromophenyl Phenyl Ether	ND U	9.1	1	09/28/21 20:06	9/24/21	
4-Chloro-3-methylphenol	ND U	9.1	1	09/28/21 20:06	9/24/21	
4-Chloroaniline	ND U	9.1	1	09/28/21 20:06	9/24/21	
4-Chlorophenyl Phenyl Ether	ND U	9.1	1	09/28/21 20:06	9/24/21	
4-Nitroaniline	ND U	9.1	1	09/28/21 20:06	9/24/21	
4-Nitrophenol	ND U	45	1	09/28/21 20:06	9/24/21	
Acenaphthene	ND U	9.1	1	09/28/21 20:06	9/24/21	
Acenaphthylene	ND U	9.1	1	09/28/21 20:06	9/24/21	
Anthracene	ND U	9.1	1	09/28/21 20:06	9/24/21	
Benz(a)anthracene	ND U	9.1	1	09/28/21 20:06	9/24/21	
Benzo(a)pyrene	ND U	9.1	1	09/28/21 20:06	9/24/21	
Benzo(b)fluoranthene	ND U	9.1	1	09/28/21 20:06	9/24/21	
Benzo(g,h,i)perylene	ND U	9.1	1	09/28/21 20:06	9/24/21	
Benzo(k)fluoranthene	ND U	9.1	1	09/28/21 20:06	9/24/21	
Benzyl Alcohol	ND U	9.1	1	09/28/21 20:06	9/24/21	
2,2'-Oxybis(1-chloropropane)	ND U	9.1	1	09/28/21 20:06	9/24/21	
Bis(2-chloroethoxy)methane	ND U	9.1	1	09/28/21 20:06	9/24/21	
Bis(2-chloroethyl) Ether	ND U	9.1	1	09/28/21 20:06	9/24/21	
Bis(2-ethylhexyl) Phthalate	ND U	9.1	1	09/28/21 20:06	9/24/21	
Butyl Benzyl Phthalate	ND U	9.1	1	09/28/21 20:06	9/24/21	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 08:30
Date Received: 09/20/21 12:16

Sample Name: MW-11S
Lab Code: R2109739-004

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	9.1	1	09/28/21 20:06	9/24/21	
Chrysene	ND U	9.1	1	09/28/21 20:06	9/24/21	
Di-n-butyl Phthalate	ND U	9.1	1	09/28/21 20:06	9/24/21	
Di-n-octyl Phthalate	ND U	9.1	1	09/28/21 20:06	9/24/21	
Dibenz(a,h)anthracene	ND U	9.1	1	09/28/21 20:06	9/24/21	
Dibenzofuran	ND U	9.1	1	09/28/21 20:06	9/24/21	
Diethyl Phthalate	ND U	9.1	1	09/28/21 20:06	9/24/21	
Dimethyl Phthalate	ND U	9.1	1	09/28/21 20:06	9/24/21	
Fluoranthene	ND U	9.1	1	09/28/21 20:06	9/24/21	
Fluorene	ND U	9.1	1	09/28/21 20:06	9/24/21	
Hexachlorobenzene	ND U	9.1	1	09/28/21 20:06	9/24/21	
Hexachlorobutadiene	ND U	9.1	1	09/28/21 20:06	9/24/21	
Hexachlorocyclopentadiene	ND U	9.1	1	09/28/21 20:06	9/24/21	
Hexachloroethane	ND U	9.1	1	09/28/21 20:06	9/24/21	
Indeno(1,2,3-cd)pyrene	ND U	9.1	1	09/28/21 20:06	9/24/21	
Isophorone	ND U	9.1	1	09/28/21 20:06	9/24/21	
N-Nitrosodi-n-propylamine	ND U	9.1	1	09/28/21 20:06	9/24/21	
N-Nitrosodimethylamine	ND U	9.1	1	09/28/21 20:06	9/24/21	
N-Nitrosodiphenylamine	ND U	9.1	1	09/28/21 20:06	9/24/21	
Naphthalene	ND U	9.1	1	09/28/21 20:06	9/24/21	
Nitrobenzene	ND U	9.1	1	09/28/21 20:06	9/24/21	
Pentachlorophenol (PCP)	ND U	45	1	09/28/21 20:06	9/24/21	
Phenanthrene	ND U	9.1	1	09/28/21 20:06	9/24/21	
Phenol	ND U	9.1	1	09/28/21 20:06	9/24/21	
Pyrene	ND U	9.1	1	09/28/21 20:06	9/24/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	81	35 - 141	09/28/21 20:06	
2-Fluorobiphenyl	67	31 - 118	09/28/21 20:06	
2-Fluorophenol	39	10 - 105	09/28/21 20:06	
Nitrobenzene-d5	61	31 - 110	09/28/21 20:06	
Phenol-d6	28	10 - 107	09/28/21 20:06	
p-Terphenyl-d14	74	10 - 165	09/28/21 20:06	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 08:30
Date Received: 09/20/21 12:16

Sample Name: MW-11M
Lab Code: R2109739-005

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	ND U	9.1	1	09/28/21 20:33	9/24/21	
1,2-Dichlorobenzene	ND U	9.1	1	09/28/21 20:33	9/24/21	
1,3-Dichlorobenzene	ND U	9.1	1	09/28/21 20:33	9/24/21	
1,4-Dichlorobenzene	ND U	9.1	1	09/28/21 20:33	9/24/21	
2,4,5-Trichlorophenol	ND U	9.1	1	09/28/21 20:33	9/24/21	
2,4,6-Trichlorophenol	ND U	9.1	1	09/28/21 20:33	9/24/21	
2,4-Dichlorophenol	ND U	9.1	1	09/28/21 20:33	9/24/21	
2,4-Dimethylphenol	ND U	9.1	1	09/28/21 20:33	9/24/21	
2,4-Dinitrophenol	ND U	45	1	09/28/21 20:33	9/24/21	
2,4-Dinitrotoluene	ND U	9.1	1	09/28/21 20:33	9/24/21	
2,6-Dinitrotoluene	ND U	9.1	1	09/28/21 20:33	9/24/21	
2-Chloronaphthalene	ND U	9.1	1	09/28/21 20:33	9/24/21	
2-Chlorophenol	ND U	9.1	1	09/28/21 20:33	9/24/21	
2-Methylnaphthalene	ND U	9.1	1	09/28/21 20:33	9/24/21	
2-Methylphenol	ND U	9.1	1	09/28/21 20:33	9/24/21	
2-Nitroaniline	ND U	9.1	1	09/28/21 20:33	9/24/21	
2-Nitrophenol	ND U	9.1	1	09/28/21 20:33	9/24/21	
3,3'-Dichlorobenzidine	ND U	9.1	1	09/28/21 20:33	9/24/21	
3- and 4-Methylphenol Coelution	ND U	9.1	1	09/28/21 20:33	9/24/21	
3-Nitroaniline	ND U	9.1	1	09/28/21 20:33	9/24/21	
4,6-Dinitro-2-methylphenol	ND U	45	1	09/28/21 20:33	9/24/21	
4-Bromophenyl Phenyl Ether	ND U	9.1	1	09/28/21 20:33	9/24/21	
4-Chloro-3-methylphenol	ND U	9.1	1	09/28/21 20:33	9/24/21	
4-Chloroaniline	ND U	9.1	1	09/28/21 20:33	9/24/21	
4-Chlorophenyl Phenyl Ether	ND U	9.1	1	09/28/21 20:33	9/24/21	
4-Nitroaniline	ND U	9.1	1	09/28/21 20:33	9/24/21	
4-Nitrophenol	ND U	45	1	09/28/21 20:33	9/24/21	
Acenaphthene	ND U	9.1	1	09/28/21 20:33	9/24/21	
Acenaphthylene	ND U	9.1	1	09/28/21 20:33	9/24/21	
Anthracene	ND U	9.1	1	09/28/21 20:33	9/24/21	
Benz(a)anthracene	ND U	9.1	1	09/28/21 20:33	9/24/21	
Benzo(a)pyrene	ND U	9.1	1	09/28/21 20:33	9/24/21	
Benzo(b)fluoranthene	ND U	9.1	1	09/28/21 20:33	9/24/21	
Benzo(g,h,i)perylene	ND U	9.1	1	09/28/21 20:33	9/24/21	
Benzo(k)fluoranthene	ND U	9.1	1	09/28/21 20:33	9/24/21	
Benzyl Alcohol	ND U	9.1	1	09/28/21 20:33	9/24/21	
2,2'-Oxybis(1-chloropropane)	ND U	9.1	1	09/28/21 20:33	9/24/21	
Bis(2-chloroethoxy)methane	ND U	9.1	1	09/28/21 20:33	9/24/21	
Bis(2-chloroethyl) Ether	ND U	9.1	1	09/28/21 20:33	9/24/21	
Bis(2-ethylhexyl) Phthalate	ND U	9.1	1	09/28/21 20:33	9/24/21	
Butyl Benzyl Phthalate	ND U	9.1	1	09/28/21 20:33	9/24/21	

ALS Group USA, Corp.
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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 08:30
Date Received: 09/20/21 12:16

Sample Name: MW-11M
Lab Code: R2109739-005

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	9.1	1	09/28/21 20:33	9/24/21	
Chrysene	ND U	9.1	1	09/28/21 20:33	9/24/21	
Di-n-butyl Phthalate	ND U	9.1	1	09/28/21 20:33	9/24/21	
Di-n-octyl Phthalate	ND U	9.1	1	09/28/21 20:33	9/24/21	
Dibenz(a,h)anthracene	ND U	9.1	1	09/28/21 20:33	9/24/21	
Dibenzofuran	ND U	9.1	1	09/28/21 20:33	9/24/21	
Diethyl Phthalate	ND U	9.1	1	09/28/21 20:33	9/24/21	
Dimethyl Phthalate	ND U	9.1	1	09/28/21 20:33	9/24/21	
Fluoranthene	ND U	9.1	1	09/28/21 20:33	9/24/21	
Fluorene	ND U	9.1	1	09/28/21 20:33	9/24/21	
Hexachlorobenzene	ND U	9.1	1	09/28/21 20:33	9/24/21	
Hexachlorobutadiene	ND U	9.1	1	09/28/21 20:33	9/24/21	
Hexachlorocyclopentadiene	ND U	9.1	1	09/28/21 20:33	9/24/21	
Hexachloroethane	ND U	9.1	1	09/28/21 20:33	9/24/21	
Indeno(1,2,3-cd)pyrene	ND U	9.1	1	09/28/21 20:33	9/24/21	
Isophorone	ND U	9.1	1	09/28/21 20:33	9/24/21	
N-Nitrosodi-n-propylamine	ND U	9.1	1	09/28/21 20:33	9/24/21	
N-Nitrosodimethylamine	ND U	9.1	1	09/28/21 20:33	9/24/21	
N-Nitrosodiphenylamine	ND U	9.1	1	09/28/21 20:33	9/24/21	
Naphthalene	ND U	9.1	1	09/28/21 20:33	9/24/21	
Nitrobenzene	ND U	9.1	1	09/28/21 20:33	9/24/21	
Pentachlorophenol (PCP)	ND U	45	1	09/28/21 20:33	9/24/21	
Phenanthrene	ND U	9.1	1	09/28/21 20:33	9/24/21	
Phenol	ND U	9.1	1	09/28/21 20:33	9/24/21	
Pyrene	ND U	9.1	1	09/28/21 20:33	9/24/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	85	35 - 141	09/28/21 20:33	
2-Fluorobiphenyl	65	31 - 118	09/28/21 20:33	
2-Fluorophenol	44	10 - 105	09/28/21 20:33	
Nitrobenzene-d5	62	31 - 110	09/28/21 20:33	
Phenol-d6	31	10 - 107	09/28/21 20:33	
p-Terphenyl-d14	71	10 - 165	09/28/21 20:33	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 09:28
Date Received: 09/20/21 12:16

Sample Name: MW-12S
Lab Code: R2109739-006

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	ND U	9.1	1	09/28/21 21:00	9/24/21	
1,2-Dichlorobenzene	ND U	9.1	1	09/28/21 21:00	9/24/21	
1,3-Dichlorobenzene	ND U	9.1	1	09/28/21 21:00	9/24/21	
1,4-Dichlorobenzene	ND U	9.1	1	09/28/21 21:00	9/24/21	
2,4,5-Trichlorophenol	ND U	9.1	1	09/28/21 21:00	9/24/21	
2,4,6-Trichlorophenol	ND U	9.1	1	09/28/21 21:00	9/24/21	
2,4-Dichlorophenol	ND U	9.1	1	09/28/21 21:00	9/24/21	
2,4-Dimethylphenol	ND U	9.1	1	09/28/21 21:00	9/24/21	
2,4-Dinitrophenol	ND U	45	1	09/28/21 21:00	9/24/21	
2,4-Dinitrotoluene	ND U	9.1	1	09/28/21 21:00	9/24/21	
2,6-Dinitrotoluene	ND U	9.1	1	09/28/21 21:00	9/24/21	
2-Chloronaphthalene	ND U	9.1	1	09/28/21 21:00	9/24/21	
2-Chlorophenol	ND U	9.1	1	09/28/21 21:00	9/24/21	
2-Methylnaphthalene	ND U	9.1	1	09/28/21 21:00	9/24/21	
2-Methylphenol	ND U	9.1	1	09/28/21 21:00	9/24/21	
2-Nitroaniline	ND U	9.1	1	09/28/21 21:00	9/24/21	
2-Nitrophenol	ND U	9.1	1	09/28/21 21:00	9/24/21	
3,3'-Dichlorobenzidine	ND U	9.1	1	09/28/21 21:00	9/24/21	
3- and 4-Methylphenol Coelution	ND U	9.1	1	09/28/21 21:00	9/24/21	
3-Nitroaniline	ND U	9.1	1	09/28/21 21:00	9/24/21	
4,6-Dinitro-2-methylphenol	ND U	45	1	09/28/21 21:00	9/24/21	
4-Bromophenyl Phenyl Ether	ND U	9.1	1	09/28/21 21:00	9/24/21	
4-Chloro-3-methylphenol	ND U	9.1	1	09/28/21 21:00	9/24/21	
4-Chloroaniline	ND U	9.1	1	09/28/21 21:00	9/24/21	
4-Chlorophenyl Phenyl Ether	ND U	9.1	1	09/28/21 21:00	9/24/21	
4-Nitroaniline	ND U	9.1	1	09/28/21 21:00	9/24/21	
4-Nitrophenol	ND U	45	1	09/28/21 21:00	9/24/21	
Acenaphthene	ND U	9.1	1	09/28/21 21:00	9/24/21	
Acenaphthylene	ND U	9.1	1	09/28/21 21:00	9/24/21	
Anthracene	ND U	9.1	1	09/28/21 21:00	9/24/21	
Benz(a)anthracene	ND U	9.1	1	09/28/21 21:00	9/24/21	
Benzo(a)pyrene	ND U	9.1	1	09/28/21 21:00	9/24/21	
Benzo(b)fluoranthene	ND U	9.1	1	09/28/21 21:00	9/24/21	
Benzo(g,h,i)perylene	ND U	9.1	1	09/28/21 21:00	9/24/21	
Benzo(k)fluoranthene	ND U	9.1	1	09/28/21 21:00	9/24/21	
Benzyl Alcohol	ND U	9.1	1	09/28/21 21:00	9/24/21	
2,2'-Oxybis(1-chloropropane)	ND U	9.1	1	09/28/21 21:00	9/24/21	
Bis(2-chloroethoxy)methane	ND U	9.1	1	09/28/21 21:00	9/24/21	
Bis(2-chloroethyl) Ether	ND U	9.1	1	09/28/21 21:00	9/24/21	
Bis(2-ethylhexyl) Phthalate	ND U	9.1	1	09/28/21 21:00	9/24/21	
Butyl Benzyl Phthalate	ND U	9.1	1	09/28/21 21:00	9/24/21	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 09:28
Date Received: 09/20/21 12:16

Sample Name: MW-12S
Lab Code: R2109739-006

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	9.1	1	09/28/21 21:00	9/24/21	
Chrysene	ND U	9.1	1	09/28/21 21:00	9/24/21	
Di-n-butyl Phthalate	ND U	9.1	1	09/28/21 21:00	9/24/21	
Di-n-octyl Phthalate	ND U	9.1	1	09/28/21 21:00	9/24/21	
Dibenz(a,h)anthracene	ND U	9.1	1	09/28/21 21:00	9/24/21	
Dibenzofuran	ND U	9.1	1	09/28/21 21:00	9/24/21	
Diethyl Phthalate	ND U	9.1	1	09/28/21 21:00	9/24/21	
Dimethyl Phthalate	ND U	9.1	1	09/28/21 21:00	9/24/21	
Fluoranthene	ND U	9.1	1	09/28/21 21:00	9/24/21	
Fluorene	ND U	9.1	1	09/28/21 21:00	9/24/21	
Hexachlorobenzene	ND U	9.1	1	09/28/21 21:00	9/24/21	
Hexachlorobutadiene	ND U	9.1	1	09/28/21 21:00	9/24/21	
Hexachlorocyclopentadiene	ND U	9.1	1	09/28/21 21:00	9/24/21	
Hexachloroethane	ND U	9.1	1	09/28/21 21:00	9/24/21	
Indeno(1,2,3-cd)pyrene	ND U	9.1	1	09/28/21 21:00	9/24/21	
Isophorone	ND U	9.1	1	09/28/21 21:00	9/24/21	
N-Nitrosodi-n-propylamine	ND U	9.1	1	09/28/21 21:00	9/24/21	
N-Nitrosodimethylamine	ND U	9.1	1	09/28/21 21:00	9/24/21	
N-Nitrosodiphenylamine	ND U	9.1	1	09/28/21 21:00	9/24/21	
Naphthalene	ND U	9.1	1	09/28/21 21:00	9/24/21	
Nitrobenzene	ND U	9.1	1	09/28/21 21:00	9/24/21	
Pentachlorophenol (PCP)	ND U	45	1	09/28/21 21:00	9/24/21	
Phenanthrene	ND U	9.1	1	09/28/21 21:00	9/24/21	
Phenol	ND U	9.1	1	09/28/21 21:00	9/24/21	
Pyrene	ND U	9.1	1	09/28/21 21:00	9/24/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	96	35 - 141	09/28/21 21:00	
2-Fluorobiphenyl	80	31 - 118	09/28/21 21:00	
2-Fluorophenol	47	10 - 105	09/28/21 21:00	
Nitrobenzene-d5	66	31 - 110	09/28/21 21:00	
Phenol-d6	32	10 - 107	09/28/21 21:00	
p-Terphenyl-d14	80	10 - 165	09/28/21 21:00	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 09:10
Date Received: 09/20/21 12:16

Sample Name: MW-12M
Lab Code: R2109739-007

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	ND U	9.1	1	09/28/21 21:27	9/24/21	
1,2-Dichlorobenzene	ND U	9.1	1	09/28/21 21:27	9/24/21	
1,3-Dichlorobenzene	ND U	9.1	1	09/28/21 21:27	9/24/21	
1,4-Dichlorobenzene	ND U	9.1	1	09/28/21 21:27	9/24/21	
2,4,5-Trichlorophenol	ND U	9.1	1	09/28/21 21:27	9/24/21	
2,4,6-Trichlorophenol	ND U	9.1	1	09/28/21 21:27	9/24/21	
2,4-Dichlorophenol	ND U	9.1	1	09/28/21 21:27	9/24/21	
2,4-Dimethylphenol	ND U	9.1	1	09/28/21 21:27	9/24/21	
2,4-Dinitrophenol	ND U	45	1	09/28/21 21:27	9/24/21	
2,4-Dinitrotoluene	ND U	9.1	1	09/28/21 21:27	9/24/21	
2,6-Dinitrotoluene	ND U	9.1	1	09/28/21 21:27	9/24/21	
2-Chloronaphthalene	ND U	9.1	1	09/28/21 21:27	9/24/21	
2-Chlorophenol	ND U	9.1	1	09/28/21 21:27	9/24/21	
2-Methylnaphthalene	ND U	9.1	1	09/28/21 21:27	9/24/21	
2-Methylphenol	ND U	9.1	1	09/28/21 21:27	9/24/21	
2-Nitroaniline	ND U	9.1	1	09/28/21 21:27	9/24/21	
2-Nitrophenol	ND U	9.1	1	09/28/21 21:27	9/24/21	
3,3'-Dichlorobenzidine	ND U	9.1	1	09/28/21 21:27	9/24/21	
3- and 4-Methylphenol Coelution	ND U	9.1	1	09/28/21 21:27	9/24/21	
3-Nitroaniline	ND U	9.1	1	09/28/21 21:27	9/24/21	
4,6-Dinitro-2-methylphenol	ND U	45	1	09/28/21 21:27	9/24/21	
4-Bromophenyl Phenyl Ether	ND U	9.1	1	09/28/21 21:27	9/24/21	
4-Chloro-3-methylphenol	ND U	9.1	1	09/28/21 21:27	9/24/21	
4-Chloroaniline	ND U	9.1	1	09/28/21 21:27	9/24/21	
4-Chlorophenyl Phenyl Ether	ND U	9.1	1	09/28/21 21:27	9/24/21	
4-Nitroaniline	ND U	9.1	1	09/28/21 21:27	9/24/21	
4-Nitrophenol	ND U	45	1	09/28/21 21:27	9/24/21	
Acenaphthene	ND U	9.1	1	09/28/21 21:27	9/24/21	
Acenaphthylene	ND U	9.1	1	09/28/21 21:27	9/24/21	
Anthracene	ND U	9.1	1	09/28/21 21:27	9/24/21	
Benz(a)anthracene	ND U	9.1	1	09/28/21 21:27	9/24/21	
Benzo(a)pyrene	ND U	9.1	1	09/28/21 21:27	9/24/21	
Benzo(b)fluoranthene	ND U	9.1	1	09/28/21 21:27	9/24/21	
Benzo(g,h,i)perylene	ND U	9.1	1	09/28/21 21:27	9/24/21	
Benzo(k)fluoranthene	ND U	9.1	1	09/28/21 21:27	9/24/21	
Benzyl Alcohol	ND U	9.1	1	09/28/21 21:27	9/24/21	
2,2'-Oxybis(1-chloropropane)	ND U	9.1	1	09/28/21 21:27	9/24/21	
Bis(2-chloroethoxy)methane	ND U	9.1	1	09/28/21 21:27	9/24/21	
Bis(2-chloroethyl) Ether	ND U	9.1	1	09/28/21 21:27	9/24/21	
Bis(2-ethylhexyl) Phthalate	ND U	9.1	1	09/28/21 21:27	9/24/21	
Butyl Benzyl Phthalate	ND U	9.1	1	09/28/21 21:27	9/24/21	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 09:10
Date Received: 09/20/21 12:16

Sample Name: MW-12M
Lab Code: R2109739-007

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	9.1	1	09/28/21 21:27	9/24/21	
Chrysene	ND U	9.1	1	09/28/21 21:27	9/24/21	
Di-n-butyl Phthalate	ND U	9.1	1	09/28/21 21:27	9/24/21	
Di-n-octyl Phthalate	ND U	9.1	1	09/28/21 21:27	9/24/21	
Dibenz(a,h)anthracene	ND U	9.1	1	09/28/21 21:27	9/24/21	
Dibenzofuran	ND U	9.1	1	09/28/21 21:27	9/24/21	
Diethyl Phthalate	ND U	9.1	1	09/28/21 21:27	9/24/21	
Dimethyl Phthalate	ND U	9.1	1	09/28/21 21:27	9/24/21	
Fluoranthene	ND U	9.1	1	09/28/21 21:27	9/24/21	
Fluorene	ND U	9.1	1	09/28/21 21:27	9/24/21	
Hexachlorobenzene	ND U	9.1	1	09/28/21 21:27	9/24/21	
Hexachlorobutadiene	ND U	9.1	1	09/28/21 21:27	9/24/21	
Hexachlorocyclopentadiene	ND U	9.1	1	09/28/21 21:27	9/24/21	
Hexachloroethane	ND U	9.1	1	09/28/21 21:27	9/24/21	
Indeno(1,2,3-cd)pyrene	ND U	9.1	1	09/28/21 21:27	9/24/21	
Isophorone	ND U	9.1	1	09/28/21 21:27	9/24/21	
N-Nitrosodi-n-propylamine	ND U	9.1	1	09/28/21 21:27	9/24/21	
N-Nitrosodimethylamine	ND U	9.1	1	09/28/21 21:27	9/24/21	
N-Nitrosodiphenylamine	ND U	9.1	1	09/28/21 21:27	9/24/21	
Naphthalene	ND U	9.1	1	09/28/21 21:27	9/24/21	
Nitrobenzene	ND U	9.1	1	09/28/21 21:27	9/24/21	
Pentachlorophenol (PCP)	ND U	45	1	09/28/21 21:27	9/24/21	
Phenanthrene	ND U	9.1	1	09/28/21 21:27	9/24/21	
Phenol	ND U	9.1	1	09/28/21 21:27	9/24/21	
Pyrene	ND U	9.1	1	09/28/21 21:27	9/24/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	82	35 - 141	09/28/21 21:27	
2-Fluorobiphenyl	60	31 - 118	09/28/21 21:27	
2-Fluorophenol	44	10 - 105	09/28/21 21:27	
Nitrobenzene-d5	56	31 - 110	09/28/21 21:27	
Phenol-d6	29	10 - 107	09/28/21 21:27	
p-Terphenyl-d14	75	10 - 165	09/28/21 21:27	

ALS Group USA, Corp.
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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 09:30
Date Received: 09/20/21 12:16

Sample Name: MW-12D
Lab Code: R2109739-008

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	ND U	9.1	1	09/28/21 21:54	9/24/21	
1,2-Dichlorobenzene	ND U	9.1	1	09/28/21 21:54	9/24/21	
1,3-Dichlorobenzene	ND U	9.1	1	09/28/21 21:54	9/24/21	
1,4-Dichlorobenzene	ND U	9.1	1	09/28/21 21:54	9/24/21	
2,4,5-Trichlorophenol	ND U	9.1	1	09/28/21 21:54	9/24/21	
2,4,6-Trichlorophenol	ND U	9.1	1	09/28/21 21:54	9/24/21	
2,4-Dichlorophenol	ND U	9.1	1	09/28/21 21:54	9/24/21	
2,4-Dimethylphenol	ND U	9.1	1	09/28/21 21:54	9/24/21	
2,4-Dinitrophenol	ND U	45	1	09/28/21 21:54	9/24/21	
2,4-Dinitrotoluene	ND U	9.1	1	09/28/21 21:54	9/24/21	
2,6-Dinitrotoluene	ND U	9.1	1	09/28/21 21:54	9/24/21	
2-Chloronaphthalene	ND U	9.1	1	09/28/21 21:54	9/24/21	
2-Chlorophenol	ND U	9.1	1	09/28/21 21:54	9/24/21	
2-Methylnaphthalene	ND U	9.1	1	09/28/21 21:54	9/24/21	
2-Methylphenol	ND U	9.1	1	09/28/21 21:54	9/24/21	
2-Nitroaniline	ND U	9.1	1	09/28/21 21:54	9/24/21	
2-Nitrophenol	ND U	9.1	1	09/28/21 21:54	9/24/21	
3,3'-Dichlorobenzidine	ND U	9.1	1	09/28/21 21:54	9/24/21	
3- and 4-Methylphenol Coelution	ND U	9.1	1	09/28/21 21:54	9/24/21	
3-Nitroaniline	ND U	9.1	1	09/28/21 21:54	9/24/21	
4,6-Dinitro-2-methylphenol	ND U	45	1	09/28/21 21:54	9/24/21	
4-Bromophenyl Phenyl Ether	ND U	9.1	1	09/28/21 21:54	9/24/21	
4-Chloro-3-methylphenol	ND U	9.1	1	09/28/21 21:54	9/24/21	
4-Chloroaniline	ND U	9.1	1	09/28/21 21:54	9/24/21	
4-Chlorophenyl Phenyl Ether	ND U	9.1	1	09/28/21 21:54	9/24/21	
4-Nitroaniline	ND U	9.1	1	09/28/21 21:54	9/24/21	
4-Nitrophenol	ND U	45	1	09/28/21 21:54	9/24/21	
Acenaphthene	ND U	9.1	1	09/28/21 21:54	9/24/21	
Acenaphthylene	ND U	9.1	1	09/28/21 21:54	9/24/21	
Anthracene	ND U	9.1	1	09/28/21 21:54	9/24/21	
Benz(a)anthracene	ND U	9.1	1	09/28/21 21:54	9/24/21	
Benzo(a)pyrene	ND U	9.1	1	09/28/21 21:54	9/24/21	
Benzo(b)fluoranthene	ND U	9.1	1	09/28/21 21:54	9/24/21	
Benzo(g,h,i)perylene	ND U	9.1	1	09/28/21 21:54	9/24/21	
Benzo(k)fluoranthene	ND U	9.1	1	09/28/21 21:54	9/24/21	
Benzyl Alcohol	ND U	9.1	1	09/28/21 21:54	9/24/21	
2,2'-Oxybis(1-chloropropane)	ND U	9.1	1	09/28/21 21:54	9/24/21	
Bis(2-chloroethoxy)methane	ND U	9.1	1	09/28/21 21:54	9/24/21	
Bis(2-chloroethyl) Ether	ND U	9.1	1	09/28/21 21:54	9/24/21	
Bis(2-ethylhexyl) Phthalate	ND U	9.1	1	09/28/21 21:54	9/24/21	
Butyl Benzyl Phthalate	ND U	9.1	1	09/28/21 21:54	9/24/21	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 09:30
Date Received: 09/20/21 12:16

Sample Name: MW-12D
Lab Code: R2109739-008

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	9.1	1	09/28/21 21:54	9/24/21	
Chrysene	ND U	9.1	1	09/28/21 21:54	9/24/21	
Di-n-butyl Phthalate	ND U	9.1	1	09/28/21 21:54	9/24/21	
Di-n-octyl Phthalate	ND U	9.1	1	09/28/21 21:54	9/24/21	
Dibenz(a,h)anthracene	ND U	9.1	1	09/28/21 21:54	9/24/21	
Dibenzofuran	ND U	9.1	1	09/28/21 21:54	9/24/21	
Diethyl Phthalate	ND U	9.1	1	09/28/21 21:54	9/24/21	
Dimethyl Phthalate	ND U	9.1	1	09/28/21 21:54	9/24/21	
Fluoranthene	ND U	9.1	1	09/28/21 21:54	9/24/21	
Fluorene	ND U	9.1	1	09/28/21 21:54	9/24/21	
Hexachlorobenzene	ND U	9.1	1	09/28/21 21:54	9/24/21	
Hexachlorobutadiene	ND U	9.1	1	09/28/21 21:54	9/24/21	
Hexachlorocyclopentadiene	ND U	9.1	1	09/28/21 21:54	9/24/21	
Hexachloroethane	ND U	9.1	1	09/28/21 21:54	9/24/21	
Indeno(1,2,3-cd)pyrene	ND U	9.1	1	09/28/21 21:54	9/24/21	
Isophorone	ND U	9.1	1	09/28/21 21:54	9/24/21	
N-Nitrosodi-n-propylamine	ND U	9.1	1	09/28/21 21:54	9/24/21	
N-Nitrosodimethylamine	ND U	9.1	1	09/28/21 21:54	9/24/21	
N-Nitrosodiphenylamine	ND U	9.1	1	09/28/21 21:54	9/24/21	
Naphthalene	ND U	9.1	1	09/28/21 21:54	9/24/21	
Nitrobenzene	ND U	9.1	1	09/28/21 21:54	9/24/21	
Pentachlorophenol (PCP)	ND U	45	1	09/28/21 21:54	9/24/21	
Phenanthrene	ND U	9.1	1	09/28/21 21:54	9/24/21	
Phenol	ND U	9.1	1	09/28/21 21:54	9/24/21	
Pyrene	ND U	9.1	1	09/28/21 21:54	9/24/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	69	35 - 141	09/28/21 21:54	
2-Fluorobiphenyl	58	31 - 118	09/28/21 21:54	
2-Fluorophenol	39	10 - 105	09/28/21 21:54	
Nitrobenzene-d5	59	31 - 110	09/28/21 21:54	
Phenol-d6	26	10 - 107	09/28/21 21:54	
p-Terphenyl-d14	57	10 - 165	09/28/21 21:54	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 09:50
Date Received: 09/20/21 12:16

Sample Name: MW-13S
Lab Code: R2109739-009

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	ND U	9.1	1	09/28/21 22:21	9/24/21	
1,2-Dichlorobenzene	ND U	9.1	1	09/28/21 22:21	9/24/21	
1,3-Dichlorobenzene	ND U	9.1	1	09/28/21 22:21	9/24/21	
1,4-Dichlorobenzene	ND U	9.1	1	09/28/21 22:21	9/24/21	
2,4,5-Trichlorophenol	ND U	9.1	1	09/28/21 22:21	9/24/21	
2,4,6-Trichlorophenol	ND U	9.1	1	09/28/21 22:21	9/24/21	
2,4-Dichlorophenol	ND U	9.1	1	09/28/21 22:21	9/24/21	
2,4-Dimethylphenol	ND U	9.1	1	09/28/21 22:21	9/24/21	
2,4-Dinitrophenol	ND U	45	1	09/28/21 22:21	9/24/21	
2,4-Dinitrotoluene	ND U	9.1	1	09/28/21 22:21	9/24/21	
2,6-Dinitrotoluene	ND U	9.1	1	09/28/21 22:21	9/24/21	
2-Chloronaphthalene	ND U	9.1	1	09/28/21 22:21	9/24/21	
2-Chlorophenol	ND U	9.1	1	09/28/21 22:21	9/24/21	
2-Methylnaphthalene	ND U	9.1	1	09/28/21 22:21	9/24/21	
2-Methylphenol	ND U	9.1	1	09/28/21 22:21	9/24/21	
2-Nitroaniline	ND U	9.1	1	09/28/21 22:21	9/24/21	
2-Nitrophenol	ND U	9.1	1	09/28/21 22:21	9/24/21	
3,3'-Dichlorobenzidine	ND U	9.1	1	09/28/21 22:21	9/24/21	
3- and 4-Methylphenol Coelution	ND U	9.1	1	09/28/21 22:21	9/24/21	
3-Nitroaniline	ND U	9.1	1	09/28/21 22:21	9/24/21	
4,6-Dinitro-2-methylphenol	ND U	45	1	09/28/21 22:21	9/24/21	
4-Bromophenyl Phenyl Ether	ND U	9.1	1	09/28/21 22:21	9/24/21	
4-Chloro-3-methylphenol	ND U	9.1	1	09/28/21 22:21	9/24/21	
4-Chloroaniline	ND U	9.1	1	09/28/21 22:21	9/24/21	
4-Chlorophenyl Phenyl Ether	ND U	9.1	1	09/28/21 22:21	9/24/21	
4-Nitroaniline	ND U	9.1	1	09/28/21 22:21	9/24/21	
4-Nitrophenol	ND U	45	1	09/28/21 22:21	9/24/21	
Acenaphthene	ND U	9.1	1	09/28/21 22:21	9/24/21	
Acenaphthylene	ND U	9.1	1	09/28/21 22:21	9/24/21	
Anthracene	ND U	9.1	1	09/28/21 22:21	9/24/21	
Benz(a)anthracene	ND U	9.1	1	09/28/21 22:21	9/24/21	
Benzo(a)pyrene	ND U	9.1	1	09/28/21 22:21	9/24/21	
Benzo(b)fluoranthene	ND U	9.1	1	09/28/21 22:21	9/24/21	
Benzo(g,h,i)perylene	ND U	9.1	1	09/28/21 22:21	9/24/21	
Benzo(k)fluoranthene	ND U	9.1	1	09/28/21 22:21	9/24/21	
Benzyl Alcohol	ND U	9.1	1	09/28/21 22:21	9/24/21	
2,2'-Oxybis(1-chloropropane)	ND U	9.1	1	09/28/21 22:21	9/24/21	
Bis(2-chloroethoxy)methane	ND U	9.1	1	09/28/21 22:21	9/24/21	
Bis(2-chloroethyl) Ether	ND U	9.1	1	09/28/21 22:21	9/24/21	
Bis(2-ethylhexyl) Phthalate	ND U	9.1	1	09/28/21 22:21	9/24/21	
Butyl Benzyl Phthalate	ND U	9.1	1	09/28/21 22:21	9/24/21	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 09:50
Date Received: 09/20/21 12:16

Sample Name: MW-13S
Lab Code: R2109739-009

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	9.1	1	09/28/21 22:21	9/24/21	
Chrysene	ND U	9.1	1	09/28/21 22:21	9/24/21	
Di-n-butyl Phthalate	ND U	9.1	1	09/28/21 22:21	9/24/21	
Di-n-octyl Phthalate	ND U	9.1	1	09/28/21 22:21	9/24/21	
Dibenz(a,h)anthracene	ND U	9.1	1	09/28/21 22:21	9/24/21	
Dibenzofuran	ND U	9.1	1	09/28/21 22:21	9/24/21	
Diethyl Phthalate	ND U	9.1	1	09/28/21 22:21	9/24/21	
Dimethyl Phthalate	ND U	9.1	1	09/28/21 22:21	9/24/21	
Fluoranthene	ND U	9.1	1	09/28/21 22:21	9/24/21	
Fluorene	ND U	9.1	1	09/28/21 22:21	9/24/21	
Hexachlorobenzene	ND U	9.1	1	09/28/21 22:21	9/24/21	
Hexachlorobutadiene	ND U	9.1	1	09/28/21 22:21	9/24/21	
Hexachlorocyclopentadiene	ND U	9.1	1	09/28/21 22:21	9/24/21	
Hexachloroethane	ND U	9.1	1	09/28/21 22:21	9/24/21	
Indeno(1,2,3-cd)pyrene	ND U	9.1	1	09/28/21 22:21	9/24/21	
Isophorone	ND U	9.1	1	09/28/21 22:21	9/24/21	
N-Nitrosodi-n-propylamine	ND U	9.1	1	09/28/21 22:21	9/24/21	
N-Nitrosodimethylamine	ND U	9.1	1	09/28/21 22:21	9/24/21	
N-Nitrosodiphenylamine	ND U	9.1	1	09/28/21 22:21	9/24/21	
Naphthalene	ND U	9.1	1	09/28/21 22:21	9/24/21	
Nitrobenzene	ND U	9.1	1	09/28/21 22:21	9/24/21	
Pentachlorophenol (PCP)	ND U	45	1	09/28/21 22:21	9/24/21	
Phenanthrene	ND U	9.1	1	09/28/21 22:21	9/24/21	
Phenol	ND U	9.1	1	09/28/21 22:21	9/24/21	
Pyrene	ND U	9.1	1	09/28/21 22:21	9/24/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	91	35 - 141	09/28/21 22:21	
2-Fluorobiphenyl	69	31 - 118	09/28/21 22:21	
2-Fluorophenol	48	10 - 105	09/28/21 22:21	
Nitrobenzene-d5	64	31 - 110	09/28/21 22:21	
Phenol-d6	33	10 - 107	09/28/21 22:21	
p-Terphenyl-d14	81	10 - 165	09/28/21 22:21	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 10:00
Date Received: 09/20/21 12:16

Sample Name: MW-13M
Lab Code: R2109739-010

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	ND U	9.1	1	09/28/21 22:48	9/24/21	
1,2-Dichlorobenzene	ND U	9.1	1	09/28/21 22:48	9/24/21	
1,3-Dichlorobenzene	ND U	9.1	1	09/28/21 22:48	9/24/21	
1,4-Dichlorobenzene	ND U	9.1	1	09/28/21 22:48	9/24/21	
2,4,5-Trichlorophenol	ND U	9.1	1	09/28/21 22:48	9/24/21	
2,4,6-Trichlorophenol	ND U	9.1	1	09/28/21 22:48	9/24/21	
2,4-Dichlorophenol	ND U	9.1	1	09/28/21 22:48	9/24/21	
2,4-Dimethylphenol	ND U	9.1	1	09/28/21 22:48	9/24/21	
2,4-Dinitrophenol	ND U	45	1	09/28/21 22:48	9/24/21	
2,4-Dinitrotoluene	ND U	9.1	1	09/28/21 22:48	9/24/21	
2,6-Dinitrotoluene	ND U	9.1	1	09/28/21 22:48	9/24/21	
2-Chloronaphthalene	ND U	9.1	1	09/28/21 22:48	9/24/21	
2-Chlorophenol	ND U	9.1	1	09/28/21 22:48	9/24/21	
2-Methylnaphthalene	ND U	9.1	1	09/28/21 22:48	9/24/21	
2-Methylphenol	ND U	9.1	1	09/28/21 22:48	9/24/21	
2-Nitroaniline	ND U	9.1	1	09/28/21 22:48	9/24/21	
2-Nitrophenol	ND U	9.1	1	09/28/21 22:48	9/24/21	
3,3'-Dichlorobenzidine	ND U	9.1	1	09/28/21 22:48	9/24/21	
3- and 4-Methylphenol Coelution	ND U	9.1	1	09/28/21 22:48	9/24/21	
3-Nitroaniline	ND U	9.1	1	09/28/21 22:48	9/24/21	
4,6-Dinitro-2-methylphenol	ND U	45	1	09/28/21 22:48	9/24/21	
4-Bromophenyl Phenyl Ether	ND U	9.1	1	09/28/21 22:48	9/24/21	
4-Chloro-3-methylphenol	ND U	9.1	1	09/28/21 22:48	9/24/21	
4-Chloroaniline	ND U	9.1	1	09/28/21 22:48	9/24/21	
4-Chlorophenyl Phenyl Ether	ND U	9.1	1	09/28/21 22:48	9/24/21	
4-Nitroaniline	ND U	9.1	1	09/28/21 22:48	9/24/21	
4-Nitrophenol	ND U	45	1	09/28/21 22:48	9/24/21	
Acenaphthene	ND U	9.1	1	09/28/21 22:48	9/24/21	
Acenaphthylene	ND U	9.1	1	09/28/21 22:48	9/24/21	
Anthracene	ND U	9.1	1	09/28/21 22:48	9/24/21	
Benz(a)anthracene	ND U	9.1	1	09/28/21 22:48	9/24/21	
Benzo(a)pyrene	ND U	9.1	1	09/28/21 22:48	9/24/21	
Benzo(b)fluoranthene	ND U	9.1	1	09/28/21 22:48	9/24/21	
Benzo(g,h,i)perylene	ND U	9.1	1	09/28/21 22:48	9/24/21	
Benzo(k)fluoranthene	ND U	9.1	1	09/28/21 22:48	9/24/21	
Benzyl Alcohol	ND U	9.1	1	09/28/21 22:48	9/24/21	
2,2'-Oxybis(1-chloropropane)	ND U	9.1	1	09/28/21 22:48	9/24/21	
Bis(2-chloroethoxy)methane	ND U	9.1	1	09/28/21 22:48	9/24/21	
Bis(2-chloroethyl) Ether	ND U	9.1	1	09/28/21 22:48	9/24/21	
Bis(2-ethylhexyl) Phthalate	ND U	9.1	1	09/28/21 22:48	9/24/21	
Butyl Benzyl Phthalate	ND U	9.1	1	09/28/21 22:48	9/24/21	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 10:00
Date Received: 09/20/21 12:16

Sample Name: MW-13M
Lab Code: R2109739-010

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	9.1	1	09/28/21 22:48	9/24/21	
Chrysene	ND U	9.1	1	09/28/21 22:48	9/24/21	
Di-n-butyl Phthalate	ND U	9.1	1	09/28/21 22:48	9/24/21	
Di-n-octyl Phthalate	ND U	9.1	1	09/28/21 22:48	9/24/21	
Dibenz(a,h)anthracene	ND U	9.1	1	09/28/21 22:48	9/24/21	
Dibenzofuran	ND U	9.1	1	09/28/21 22:48	9/24/21	
Diethyl Phthalate	ND U	9.1	1	09/28/21 22:48	9/24/21	
Dimethyl Phthalate	ND U	9.1	1	09/28/21 22:48	9/24/21	
Fluoranthene	ND U	9.1	1	09/28/21 22:48	9/24/21	
Fluorene	ND U	9.1	1	09/28/21 22:48	9/24/21	
Hexachlorobenzene	ND U	9.1	1	09/28/21 22:48	9/24/21	
Hexachlorobutadiene	ND U	9.1	1	09/28/21 22:48	9/24/21	
Hexachlorocyclopentadiene	ND U	9.1	1	09/28/21 22:48	9/24/21	
Hexachloroethane	ND U	9.1	1	09/28/21 22:48	9/24/21	
Indeno(1,2,3-cd)pyrene	ND U	9.1	1	09/28/21 22:48	9/24/21	
Isophorone	ND U	9.1	1	09/28/21 22:48	9/24/21	
N-Nitrosodi-n-propylamine	ND U	9.1	1	09/28/21 22:48	9/24/21	
N-Nitrosodimethylamine	ND U	9.1	1	09/28/21 22:48	9/24/21	
N-Nitrosodiphenylamine	ND U	9.1	1	09/28/21 22:48	9/24/21	
Naphthalene	ND U	9.1	1	09/28/21 22:48	9/24/21	
Nitrobenzene	ND U	9.1	1	09/28/21 22:48	9/24/21	
Pentachlorophenol (PCP)	ND U	45	1	09/28/21 22:48	9/24/21	
Phenanthrene	ND U	9.1	1	09/28/21 22:48	9/24/21	
Phenol	ND U	9.1	1	09/28/21 22:48	9/24/21	
Pyrene	ND U	9.1	1	09/28/21 22:48	9/24/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	96	35 - 141	09/28/21 22:48	
2-Fluorobiphenyl	69	31 - 118	09/28/21 22:48	
2-Fluorophenol	48	10 - 105	09/28/21 22:48	
Nitrobenzene-d5	68	31 - 110	09/28/21 22:48	
Phenol-d6	29	10 - 107	09/28/21 22:48	
p-Terphenyl-d14	69	10 - 165	09/28/21 22:48	

ALS Group USA, Corp.
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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 08:00
Date Received: 09/20/21 12:16

Sample Name: MW-14S
Lab Code: R2109739-011

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	ND U	9.1	1	09/29/21 11:05	9/27/21	
1,2-Dichlorobenzene	ND U	9.1	1	09/29/21 11:05	9/27/21	
1,3-Dichlorobenzene	ND U	9.1	1	09/29/21 11:05	9/27/21	
1,4-Dichlorobenzene	ND U	9.1	1	09/29/21 11:05	9/27/21	
2,4,5-Trichlorophenol	ND U	9.1	1	09/29/21 11:05	9/27/21	
2,4,6-Trichlorophenol	ND U	9.1	1	09/29/21 11:05	9/27/21	
2,4-Dichlorophenol	ND U	9.1	1	09/29/21 11:05	9/27/21	
2,4-Dimethylphenol	ND U	9.1	1	09/29/21 11:05	9/27/21	
2,4-Dinitrophenol	ND U	45	1	09/29/21 11:05	9/27/21	
2,4-Dinitrotoluene	ND U	9.1	1	09/29/21 11:05	9/27/21	
2,6-Dinitrotoluene	ND U	9.1	1	09/29/21 11:05	9/27/21	
2-Chloronaphthalene	ND U	9.1	1	09/29/21 11:05	9/27/21	
2-Chlorophenol	ND U	9.1	1	09/29/21 11:05	9/27/21	
2-Methylnaphthalene	ND U	9.1	1	09/29/21 11:05	9/27/21	
2-Methylphenol	ND U	9.1	1	09/29/21 11:05	9/27/21	
2-Nitroaniline	ND U	9.1	1	09/29/21 11:05	9/27/21	
2-Nitrophenol	ND U	9.1	1	09/29/21 11:05	9/27/21	
3,3'-Dichlorobenzidine	ND U	9.1	1	09/29/21 11:05	9/27/21	
3- and 4-Methylphenol Coelution	ND U	9.1	1	09/29/21 11:05	9/27/21	
3-Nitroaniline	ND U	9.1	1	09/29/21 11:05	9/27/21	
4,6-Dinitro-2-methylphenol	ND U	45	1	09/29/21 11:05	9/27/21	
4-Bromophenyl Phenyl Ether	ND U	9.1	1	09/29/21 11:05	9/27/21	
4-Chloro-3-methylphenol	ND U	9.1	1	09/29/21 11:05	9/27/21	
4-Chloroaniline	ND U	9.1	1	09/29/21 11:05	9/27/21	
4-Chlorophenyl Phenyl Ether	ND U	9.1	1	09/29/21 11:05	9/27/21	
4-Nitroaniline	ND U	9.1	1	09/29/21 11:05	9/27/21	
4-Nitrophenol	ND U	45	1	09/29/21 11:05	9/27/21	
Acenaphthene	ND U	9.1	1	09/29/21 11:05	9/27/21	
Acenaphthylene	ND U	9.1	1	09/29/21 11:05	9/27/21	
Anthracene	ND U	9.1	1	09/29/21 11:05	9/27/21	
Benz(a)anthracene	ND U	9.1	1	09/29/21 11:05	9/27/21	
Benzo(a)pyrene	ND U	9.1	1	09/29/21 11:05	9/27/21	
Benzo(b)fluoranthene	ND U	9.1	1	09/29/21 11:05	9/27/21	
Benzo(g,h,i)perylene	ND U	9.1	1	09/29/21 11:05	9/27/21	
Benzo(k)fluoranthene	ND U	9.1	1	09/29/21 11:05	9/27/21	
Benzyl Alcohol	ND U	9.1	1	09/29/21 11:05	9/27/21	
2,2'-Oxybis(1-chloropropane)	ND U	9.1	1	09/29/21 11:05	9/27/21	
Bis(2-chloroethoxy)methane	ND U	9.1	1	09/29/21 11:05	9/27/21	
Bis(2-chloroethyl) Ether	ND U	9.1	1	09/29/21 11:05	9/27/21	
Bis(2-ethylhexyl) Phthalate	ND U	9.1	1	09/29/21 11:05	9/27/21	
Butyl Benzyl Phthalate	ND U	9.1	1	09/29/21 11:05	9/27/21	

ALS Group USA, Corp.
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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: 09/20/21 08:00
Date Received: 09/20/21 12:16

Sample Name: MW-14S
Lab Code: R2109739-011

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	9.1	1	09/29/21 11:05	9/27/21	
Chrysene	ND U	9.1	1	09/29/21 11:05	9/27/21	
Di-n-butyl Phthalate	ND U	9.1	1	09/29/21 11:05	9/27/21	
Di-n-octyl Phthalate	ND U	9.1	1	09/29/21 11:05	9/27/21	
Dibenz(a,h)anthracene	ND U	9.1	1	09/29/21 11:05	9/27/21	
Dibenzofuran	ND U	9.1	1	09/29/21 11:05	9/27/21	
Diethyl Phthalate	ND U	9.1	1	09/29/21 11:05	9/27/21	
Dimethyl Phthalate	ND U	9.1	1	09/29/21 11:05	9/27/21	
Fluoranthene	ND U	9.1	1	09/29/21 11:05	9/27/21	
Fluorene	ND U	9.1	1	09/29/21 11:05	9/27/21	
Hexachlorobenzene	ND U	9.1	1	09/29/21 11:05	9/27/21	
Hexachlorobutadiene	ND U	9.1	1	09/29/21 11:05	9/27/21	
Hexachlorocyclopentadiene	ND U	9.1	1	09/29/21 11:05	9/27/21	
Hexachloroethane	ND U	9.1	1	09/29/21 11:05	9/27/21	
Indeno(1,2,3-cd)pyrene	ND U	9.1	1	09/29/21 11:05	9/27/21	
Isophorone	ND U	9.1	1	09/29/21 11:05	9/27/21	
N-Nitrosodi-n-propylamine	ND U	9.1	1	09/29/21 11:05	9/27/21	
N-Nitrosodimethylamine	ND U	9.1	1	09/29/21 11:05	9/27/21	
N-Nitrosodiphenylamine	ND U	9.1	1	09/29/21 11:05	9/27/21	
Naphthalene	ND U	9.1	1	09/29/21 11:05	9/27/21	
Nitrobenzene	ND U	9.1	1	09/29/21 11:05	9/27/21	
Pentachlorophenol (PCP)	ND U	45	1	09/29/21 11:05	9/27/21	
Phenanthrene	ND U	9.1	1	09/29/21 11:05	9/27/21	
Phenol	ND U	9.1	1	09/29/21 11:05	9/27/21	
Pyrene	ND U	9.1	1	09/29/21 11:05	9/27/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	83	35 - 141	09/29/21 11:05	
2-Fluorobiphenyl	66	31 - 118	09/29/21 11:05	
2-Fluorophenol	46	10 - 105	09/29/21 11:05	
Nitrobenzene-d5	70	31 - 110	09/29/21 11:05	
Phenol-d6	32	10 - 107	09/29/21 11:05	
p-Terphenyl-d14	54	10 - 165	09/29/21 11:05	



Metals

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water
Sample Name: MW-10S
Lab Code: R2109739-001

Service Request: R2109739
Date Collected: 09/19/21 13:20
Date Received: 09/20/21 12:16
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Dissolved	6010C	ND U	ug/L	10	1	09/25/21 18:15	09/23/21	
Lead, Dissolved	6010C	ND U	ug/L	50	1	09/25/21 18:15	09/23/21	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water
Sample Name: MW-10M
Lab Code: R2109739-002

Service Request: R2109739
Date Collected: 09/19/21 13:10
Date Received: 09/20/21 12:16
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Dissolved	6010C	ND U	ug/L	10	1	09/25/21 18:19	09/23/21	
Lead, Dissolved	6010C	ND U	ug/L	50	1	09/25/21 18:19	09/23/21	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water
Sample Name: MW-10D
Lab Code: R2109739-003

Service Request: R2109739
Date Collected: 09/20/21 07:55
Date Received: 09/20/21 12:16
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Dissolved	6010C	ND U	ug/L	10	1	09/25/21 18:22	09/23/21	
Lead, Dissolved	6010C	ND U	ug/L	50	1	09/25/21 18:22	09/23/21	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water
Sample Name: MW-11S
Lab Code: R2109739-004

Service Request: R2109739
Date Collected: 09/20/21 08:30
Date Received: 09/20/21 12:16
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Dissolved	6010C	ND U	ug/L	10	1	09/25/21 18:25	09/23/21	
Lead, Dissolved	6010C	ND U	ug/L	50	1	09/25/21 18:25	09/23/21	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water
Sample Name: MW-11M
Lab Code: R2109739-005

Service Request: R2109739
Date Collected: 09/20/21 08:30
Date Received: 09/20/21 12:16
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Dissolved	6010C	ND U	ug/L	10	1	09/25/21 18:35	09/23/21	
Lead, Dissolved	6010C	ND U	ug/L	50	1	09/25/21 18:35	09/23/21	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water
Sample Name: MW-12S
Lab Code: R2109739-006

Service Request: R2109739
Date Collected: 09/20/21 09:28
Date Received: 09/20/21 12:16
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Dissolved	6010C	ND U	ug/L	10	1	09/25/21 18:38	09/23/21	
Lead, Dissolved	6010C	ND U	ug/L	50	1	09/25/21 18:38	09/23/21	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water
Sample Name: MW-12M
Lab Code: R2109739-007

Service Request: R2109739
Date Collected: 09/20/21 09:10
Date Received: 09/20/21 12:16
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Dissolved	6010C	ND U	ug/L	10	1	09/25/21 18:42	09/23/21	
Lead, Dissolved	6010C	ND U	ug/L	50	1	09/25/21 18:42	09/23/21	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water
Sample Name: MW-12D
Lab Code: R2109739-008

Service Request: R2109739
Date Collected: 09/20/21 09:30
Date Received: 09/20/21 12:16
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Dissolved	6010C	ND U	ug/L	10	1	09/25/21 18:45	09/23/21	
Lead, Dissolved	6010C	ND U	ug/L	50	1	09/25/21 18:45	09/23/21	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water
Sample Name: MW-13S
Lab Code: R2109739-009

Service Request: R2109739
Date Collected: 09/20/21 09:50
Date Received: 09/20/21 12:16
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Dissolved	6010C	ND U	ug/L	10	1	09/25/21 18:48	09/23/21	
Lead, Dissolved	6010C	ND U	ug/L	50	1	09/25/21 18:48	09/23/21	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water
Sample Name: MW-13M
Lab Code: R2109739-010

Service Request: R2109739
Date Collected: 09/20/21 10:00
Date Received: 09/20/21 12:16
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Dissolved	6010C	ND U	ug/L	10	1	09/25/21 18:51	09/23/21	
Lead, Dissolved	6010C	ND U	ug/L	50	1	09/25/21 18:51	09/23/21	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water
Sample Name: MW-14S
Lab Code: R2109739-011

Service Request: R2109739
Date Collected: 09/20/21 08:00
Date Received: 09/20/21 12:16
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Dissolved	6010C	ND U	ug/L	10	1	09/25/21 18:55	09/23/21	
Lead, Dissolved	6010C	ND U	ug/L	50	1	09/25/21 18:55	09/23/21	



General Chemistry

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water
Sample Name: MW-10S
Lab Code: R2109739-001

Service Request: R2109739
Date Collected: 09/19/21 13:20
Date Received: 09/20/21 12:16
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Oil and Grease, Total (HEM)	1664B	ND U	mg/L	4.6	1	09/29/21 09:00	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water
Sample Name: MW-10M
Lab Code: R2109739-002

Service Request: R2109739
Date Collected: 09/19/21 13:10
Date Received: 09/20/21 12:16
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Oil and Grease, Total (HEM)	1664B	ND U	mg/L	4.6	1	09/29/21 09:00	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water
Sample Name: MW-10D
Lab Code: R2109739-003

Service Request: R2109739
Date Collected: 09/20/21 07:55
Date Received: 09/20/21 12:16
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Oil and Grease, Total (HEM)	1664B	ND U	mg/L	4.9	1	09/29/21 09:00	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water
Sample Name: MW-11S
Lab Code: R2109739-004

Service Request: R2109739
Date Collected: 09/20/21 08:30
Date Received: 09/20/21 12:16
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Oil and Grease, Total (HEM)	1664B	ND U	mg/L	5.0	1	09/29/21 09:00	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water
Sample Name: MW-11M
Lab Code: R2109739-005

Service Request: R2109739
Date Collected: 09/20/21 08:30
Date Received: 09/20/21 12:16
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Oil and Grease, Total (HEM)	1664B	ND U	mg/L	5.2	1	09/29/21 09:00	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water
Sample Name: MW-12S
Lab Code: R2109739-006

Service Request: R2109739
Date Collected: 09/20/21 09:28
Date Received: 09/20/21 12:16
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Oil and Grease, Total (HEM)	1664B	ND U	mg/L	4.7	1	09/29/21 09:00	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water
Sample Name: MW-12M
Lab Code: R2109739-007

Service Request: R2109739
Date Collected: 09/20/21 09:10
Date Received: 09/20/21 12:16
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Oil and Grease, Total (HEM)	1664B	ND U	mg/L	5.1	1	09/29/21 09:00	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water
Sample Name: MW-12D
Lab Code: R2109739-008

Service Request: R2109739
Date Collected: 09/20/21 09:30
Date Received: 09/20/21 12:16
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Oil and Grease, Total (HEM)	1664B	ND U	mg/L	4.7	1	09/29/21 09:00	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water
Sample Name: MW-13S
Lab Code: R2109739-009

Service Request: R2109739
Date Collected: 09/20/21 09:50
Date Received: 09/20/21 12:16
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Oil and Grease, Total (HEM)	1664B	ND U	mg/L	5.0	1	09/29/21 09:00	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water
Sample Name: MW-13M
Lab Code: R2109739-010

Service Request: R2109739
Date Collected: 09/20/21 10:00
Date Received: 09/20/21 12:16
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Oil and Grease, Total (HEM)	1664B	ND U	mg/L	4.6	1	09/29/21 09:00	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water
Sample Name: MW-14S
Lab Code: R2109739-011

Service Request: R2109739
Date Collected: 09/20/21 08:00
Date Received: 09/20/21 12:16
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Oil and Grease, Total (HEM)	1664B	ND U	mg/L	4.6	1	09/29/21 09:00	



QC Summary Forms

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Volatile Organic Compounds by GC/MS

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QA/QC Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene	Toluene-d8	Dibromofluoromethane
		85-122	87-121	80-116
MW-10S	R2109739-001	104	107	104
MW-10M	R2109739-002	99	104	103
MW-10D	R2109739-003	100	106	100
MW-11S	R2109739-004	102	107	107
MW-11M	R2109739-005	102	107	103
MW-12S	R2109739-006	102	105	101
MW-12M	R2109739-007	99	103	100
MW-12D	R2109739-008	100	105	102
MW-13S	R2109739-009	99	106	101
MW-13M	R2109739-010	101	104	102
MW-14S	R2109739-011	103	108	104
TB 092021 A	R2109739-012	99	104	99
Method Blank	RQ2112047-04	100	103	102
Lab Control Sample	RQ2112047-03	101	105	105

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2112047-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	10	1	09/27/21 23:48	
Benzene	ND U	5.0	1	09/27/21 23:48	
Bromodichloromethane	ND U	5.0	1	09/27/21 23:48	
Bromoform	ND U	5.0	1	09/27/21 23:48	
Bromomethane	ND U	5.0	1	09/27/21 23:48	
2-Butanone (MEK)	ND U	10	1	09/27/21 23:48	
Carbon Disulfide	ND U	10	1	09/27/21 23:48	
Carbon Tetrachloride	ND U	5.0	1	09/27/21 23:48	
Chlorobenzene	ND U	5.0	1	09/27/21 23:48	
Chloroethane	ND U	5.0	1	09/27/21 23:48	
Chloroform	ND U	5.0	1	09/27/21 23:48	
Chloromethane	ND U	5.0	1	09/27/21 23:48	
Dibromochloromethane	ND U	5.0	1	09/27/21 23:48	
1,1-Dichloroethane	ND U	5.0	1	09/27/21 23:48	
1,2-Dichloroethane	ND U	5.0	1	09/27/21 23:48	
1,1-Dichloroethene	ND U	5.0	1	09/27/21 23:48	
cis-1,2-Dichloroethene	ND U	5.0	1	09/27/21 23:48	
trans-1,2-Dichloroethene	ND U	5.0	1	09/27/21 23:48	
1,2-Dichloropropane	ND U	5.0	1	09/27/21 23:48	
cis-1,3-Dichloropropene	ND U	5.0	1	09/27/21 23:48	
trans-1,3-Dichloropropene	ND U	5.0	1	09/27/21 23:48	
Ethylbenzene	ND U	5.0	1	09/27/21 23:48	
2-Hexanone	ND U	10	1	09/27/21 23:48	
Methylene Chloride	ND U	5.0	1	09/27/21 23:48	
4-Methyl-2-pentanone (MIBK)	ND U	10	1	09/27/21 23:48	
Styrene	ND U	5.0	1	09/27/21 23:48	
1,1,2,2-Tetrachloroethane	ND U	5.0	1	09/27/21 23:48	
Tetrachloroethene	ND U	5.0	1	09/27/21 23:48	
Toluene	ND U	5.0	1	09/27/21 23:48	
1,1,1-Trichloroethane	ND U	5.0	1	09/27/21 23:48	
1,1,2-Trichloroethane	ND U	5.0	1	09/27/21 23:48	
Trichloroethene	ND U	5.0	1	09/27/21 23:48	
Vinyl Chloride	ND U	5.0	1	09/27/21 23:48	
o-Xylene	ND U	5.0	1	09/27/21 23:48	
m,p-Xylenes	ND U	5.0	1	09/27/21 23:48	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2112047-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	09/27/21 23:48	
Toluene-d8	103	87 - 121	09/27/21 23:48	
Dibromofluoromethane	102	80 - 116	09/27/21 23:48	

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QA/QC Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Analyzed: 09/27/21

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2112047-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Acetone	8260C	21.4	20.0	107	40-161
Benzene	8260C	21.2	20.0	106	79-119
Bromodichloromethane	8260C	20.4	20.0	102	81-123
Bromoform	8260C	22.0	20.0	110	65-146
Bromomethane	8260C	17.8	20.0	89	42-166
2-Butanone (MEK)	8260C	21.0	20.0	105	61-137
Carbon Disulfide	8260C	25.6	20.0	128	66-128
Carbon Tetrachloride	8260C	19.1	20.0	95	70-127
Chlorobenzene	8260C	19.9	20.0	100	80-121
Chloroethane	8260C	24.3	20.0	121	62-131
Chloroform	8260C	20.9	20.0	104	79-120
Chloromethane	8260C	32.6	20.0	163 *	65-135
Dibromochloromethane	8260C	21.5	20.0	108	72-128
1,1-Dichloroethane	8260C	22.1	20.0	110	80-124
1,2-Dichloroethane	8260C	19.7	20.0	98	71-127
1,1-Dichloroethene	8260C	21.7	20.0	108	71-118
cis-1,2-Dichloroethene	8260C	21.4	20.0	107	80-121
trans-1,2-Dichloroethene	8260C	22.2	20.0	111	73-118
1,2-Dichloropropane	8260C	21.3	20.0	106	80-119
cis-1,3-Dichloropropene	8260C	22.1	20.0	111	77-122
trans-1,3-Dichloropropene	8260C	22.2	20.0	111	71-133
Ethylbenzene	8260C	20.2	20.0	101	76-120
2-Hexanone	8260C	21.4	20.0	107	63-124
Methylene Chloride	8260C	21.4	20.0	107	73-122
4-Methyl-2-pentanone (MIBK)	8260C	22.0	20.0	110	66-124
Styrene	8260C	20.8	20.0	104	80-124
1,1,2,2-Tetrachloroethane	8260C	25.5	20.0	128 *	78-126
Tetrachloroethene	8260C	19.0	20.0	95	72-125
Toluene	8260C	21.7	20.0	108	79-119
1,1,1-Trichloroethane	8260C	20.9	20.0	104	75-125
1,1,2-Trichloroethane	8260C	20.5	20.0	103	82-121
Trichloroethene	8260C	18.8	20.0	94	74-122
Vinyl Chloride	8260C	24.1	20.0	121	74-159

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QA/QC Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Analyzed: 09/27/21

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2112047-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
o-Xylene	8260C	20.6	20.0	103	79-123
m,p-Xylenes	8260C	41.4	40.0	103	80-126



Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

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QA/QC Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3510C

Sample Name	Lab Code	2,4,6-Tribromophenol	2-Fluorobiphenyl	2-Fluorophenol
		35-141	31-118	10-105
MW-10S	R2109739-001	87	66	48
MW-10M	R2109739-002	89	65	40
MW-10D	R2109739-003	95	60	41
MW-11S	R2109739-004	81	67	39
MW-11M	R2109739-005	85	65	44
MW-12S	R2109739-006	96	80	47
MW-12M	R2109739-007	82	60	44
MW-12D	R2109739-008	69	58	39
MW-13S	R2109739-009	91	69	48
MW-13M	R2109739-010	96	69	48
MW-14S	R2109739-011	83	66	46
Method Blank	RQ2111872-01	87	62	43
Lab Control Sample	RQ2111872-02	92	64	45
Duplicate Lab Control Sample	RQ2111872-03	103	76	50
Method Blank	RQ2111964-03	80	50	44
Lab Control Sample	RQ2111964-04	94	65	50
Duplicate Lab Control Sample	RQ2111964-05	112	84	56

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QA/QC Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3510C

Sample Name	Lab Code	Nitrobenzene-d5	Phenol-d6	p-Terphenyl-d14
		31-110	10-107	10-165
MW-10S	R2109739-001	65	32	71
MW-10M	R2109739-002	57	29	69
MW-10D	R2109739-003	57	30	70
MW-11S	R2109739-004	61	28	74
MW-11M	R2109739-005	62	31	71
MW-12S	R2109739-006	66	32	80
MW-12M	R2109739-007	56	29	75
MW-12D	R2109739-008	59	26	57
MW-13S	R2109739-009	64	33	81
MW-13M	R2109739-010	68	29	69
MW-14S	R2109739-011	70	32	54
Method Blank	RQ2111872-01	61	30	86
Lab Control Sample	RQ2111872-02	59	33	87
Duplicate Lab Control Sample	RQ2111872-03	75	35	89
Method Blank	RQ2111964-03	50	32	74
Lab Control Sample	RQ2111964-04	69	37	75
Duplicate Lab Control Sample	RQ2111964-05	80	40	82

ALS Group USA, Corp.
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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2111872-01

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	ND U	10	1	09/28/21 15:03	9/24/21	
1,2-Dichlorobenzene	ND U	10	1	09/28/21 15:03	9/24/21	
1,3-Dichlorobenzene	ND U	10	1	09/28/21 15:03	9/24/21	
1,4-Dichlorobenzene	ND U	10	1	09/28/21 15:03	9/24/21	
2,4,5-Trichlorophenol	ND U	10	1	09/28/21 15:03	9/24/21	
2,4,6-Trichlorophenol	ND U	10	1	09/28/21 15:03	9/24/21	
2,4-Dichlorophenol	ND U	10	1	09/28/21 15:03	9/24/21	
2,4-Dimethylphenol	ND U	10	1	09/28/21 15:03	9/24/21	
2,4-Dinitrophenol	ND U	50	1	09/28/21 15:03	9/24/21	
2,4-Dinitrotoluene	ND U	10	1	09/28/21 15:03	9/24/21	
2,6-Dinitrotoluene	ND U	10	1	09/28/21 15:03	9/24/21	
2-Chloronaphthalene	ND U	10	1	09/28/21 15:03	9/24/21	
2-Chlorophenol	ND U	10	1	09/28/21 15:03	9/24/21	
2-Methylnaphthalene	ND U	10	1	09/28/21 15:03	9/24/21	
2-Methylphenol	ND U	10	1	09/28/21 15:03	9/24/21	
2-Nitroaniline	ND U	10	1	09/28/21 15:03	9/24/21	
2-Nitrophenol	ND U	10	1	09/28/21 15:03	9/24/21	
3,3'-Dichlorobenzidine	ND U	10	1	09/28/21 15:03	9/24/21	
3- and 4-Methylphenol Coelution	ND U	10	1	09/28/21 15:03	9/24/21	
3-Nitroaniline	ND U	10	1	09/28/21 15:03	9/24/21	
4,6-Dinitro-2-methylphenol	ND U	50	1	09/28/21 15:03	9/24/21	
4-Bromophenyl Phenyl Ether	ND U	10	1	09/28/21 15:03	9/24/21	
4-Chloro-3-methylphenol	ND U	10	1	09/28/21 15:03	9/24/21	
4-Chloroaniline	ND U	10	1	09/28/21 15:03	9/24/21	
4-Chlorophenyl Phenyl Ether	ND U	10	1	09/28/21 15:03	9/24/21	
4-Nitroaniline	ND U	10	1	09/28/21 15:03	9/24/21	
4-Nitrophenol	ND U	50	1	09/28/21 15:03	9/24/21	
Acenaphthene	ND U	10	1	09/28/21 15:03	9/24/21	
Acenaphthylene	ND U	10	1	09/28/21 15:03	9/24/21	
Anthracene	ND U	10	1	09/28/21 15:03	9/24/21	
Benz(a)anthracene	ND U	10	1	09/28/21 15:03	9/24/21	
Benzo(a)pyrene	ND U	10	1	09/28/21 15:03	9/24/21	
Benzo(b)fluoranthene	ND U	10	1	09/28/21 15:03	9/24/21	
Benzo(g,h,i)perylene	ND U	10	1	09/28/21 15:03	9/24/21	
Benzo(k)fluoranthene	ND U	10	1	09/28/21 15:03	9/24/21	
Benzyl Alcohol	ND U	10	1	09/28/21 15:03	9/24/21	
2,2'-Oxybis(1-chloropropane)	ND U	10	1	09/28/21 15:03	9/24/21	
Bis(2-chloroethoxy)methane	ND U	10	1	09/28/21 15:03	9/24/21	
Bis(2-chloroethyl) Ether	ND U	10	1	09/28/21 15:03	9/24/21	
Bis(2-ethylhexyl) Phthalate	ND U	10	1	09/28/21 15:03	9/24/21	
Butyl Benzyl Phthalate	ND U	10	1	09/28/21 15:03	9/24/21	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2111872-01

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	10	1	09/28/21 15:03	9/24/21	
Chrysene	ND U	10	1	09/28/21 15:03	9/24/21	
Di-n-butyl Phthalate	ND U	10	1	09/28/21 15:03	9/24/21	
Di-n-octyl Phthalate	ND U	10	1	09/28/21 15:03	9/24/21	
Dibenz(a,h)anthracene	ND U	10	1	09/28/21 15:03	9/24/21	
Dibenzofuran	ND U	10	1	09/28/21 15:03	9/24/21	
Diethyl Phthalate	ND U	10	1	09/28/21 15:03	9/24/21	
Dimethyl Phthalate	ND U	10	1	09/28/21 15:03	9/24/21	
Fluoranthene	ND U	10	1	09/28/21 15:03	9/24/21	
Fluorene	ND U	10	1	09/28/21 15:03	9/24/21	
Hexachlorobenzene	ND U	10	1	09/28/21 15:03	9/24/21	
Hexachlorobutadiene	ND U	10	1	09/28/21 15:03	9/24/21	
Hexachlorocyclopentadiene	ND U	10	1	09/28/21 15:03	9/24/21	
Hexachloroethane	ND U	10	1	09/28/21 15:03	9/24/21	
Indeno(1,2,3-cd)pyrene	ND U	10	1	09/28/21 15:03	9/24/21	
Isophorone	ND U	10	1	09/28/21 15:03	9/24/21	
N-Nitrosodi-n-propylamine	ND U	10	1	09/28/21 15:03	9/24/21	
N-Nitrosodimethylamine	ND U	10	1	09/28/21 15:03	9/24/21	
N-Nitrosodiphenylamine	ND U	10	1	09/28/21 15:03	9/24/21	
Naphthalene	ND U	10	1	09/28/21 15:03	9/24/21	
Nitrobenzene	ND U	10	1	09/28/21 15:03	9/24/21	
Pentachlorophenol (PCP)	ND U	50	1	09/28/21 15:03	9/24/21	
Phenanthrene	ND U	10	1	09/28/21 15:03	9/24/21	
Phenol	ND U	10	1	09/28/21 15:03	9/24/21	
Pyrene	ND U	10	1	09/28/21 15:03	9/24/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	87	35 - 141	09/28/21 15:03	
2-Fluorobiphenyl	62	31 - 118	09/28/21 15:03	
2-Fluorophenol	43	10 - 105	09/28/21 15:03	
Nitrobenzene-d5	61	31 - 110	09/28/21 15:03	
Phenol-d6	30	10 - 107	09/28/21 15:03	
p-Terphenyl-d14	86	10 - 165	09/28/21 15:03	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2111964-03

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: Method

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	ND U	10	1	09/29/21 08:09	9/27/21	
1,2-Dichlorobenzene	ND U	10	1	09/29/21 08:09	9/27/21	
1,3-Dichlorobenzene	ND U	10	1	09/29/21 08:09	9/27/21	
1,4-Dichlorobenzene	ND U	10	1	09/29/21 08:09	9/27/21	
2,4,5-Trichlorophenol	ND U	10	1	09/29/21 08:09	9/27/21	
2,4,6-Trichlorophenol	ND U	10	1	09/29/21 08:09	9/27/21	
2,4-Dichlorophenol	ND U	10	1	09/29/21 08:09	9/27/21	
2,4-Dimethylphenol	ND U	10	1	09/29/21 08:09	9/27/21	
2,4-Dinitrophenol	ND U	50	1	09/29/21 08:09	9/27/21	
2,4-Dinitrotoluene	ND U	10	1	09/29/21 08:09	9/27/21	
2,6-Dinitrotoluene	ND U	10	1	09/29/21 08:09	9/27/21	
2-Chloronaphthalene	ND U	10	1	09/29/21 08:09	9/27/21	
2-Chlorophenol	ND U	10	1	09/29/21 08:09	9/27/21	
2-Methylnaphthalene	ND U	10	1	09/29/21 08:09	9/27/21	
2-Methylphenol	ND U	10	1	09/29/21 08:09	9/27/21	
2-Nitroaniline	ND U	10	1	09/29/21 08:09	9/27/21	
2-Nitrophenol	ND U	10	1	09/29/21 08:09	9/27/21	
3,3'-Dichlorobenzidine	ND U	10	1	09/29/21 08:09	9/27/21	
3- and 4-Methylphenol Coelution	ND U	10	1	09/29/21 08:09	9/27/21	
3-Nitroaniline	ND U	10	1	09/29/21 08:09	9/27/21	
4,6-Dinitro-2-methylphenol	ND U	50	1	09/29/21 08:09	9/27/21	
4-Bromophenyl Phenyl Ether	ND U	10	1	09/29/21 08:09	9/27/21	
4-Chloro-3-methylphenol	ND U	10	1	09/29/21 08:09	9/27/21	
4-Chloroaniline	ND U	10	1	09/29/21 08:09	9/27/21	
4-Chlorophenyl Phenyl Ether	ND U	10	1	09/29/21 08:09	9/27/21	
4-Nitroaniline	ND U	10	1	09/29/21 08:09	9/27/21	
4-Nitrophenol	ND U	50	1	09/29/21 08:09	9/27/21	
Acenaphthene	ND U	10	1	09/29/21 08:09	9/27/21	
Acenaphthylene	ND U	10	1	09/29/21 08:09	9/27/21	
Anthracene	ND U	10	1	09/29/21 08:09	9/27/21	
Benz(a)anthracene	ND U	10	1	09/29/21 08:09	9/27/21	
Benzo(a)pyrene	ND U	10	1	09/29/21 08:09	9/27/21	
Benzo(b)fluoranthene	ND U	10	1	09/29/21 08:09	9/27/21	
Benzo(g,h,i)perylene	ND U	10	1	09/29/21 08:09	9/27/21	
Benzo(k)fluoranthene	ND U	10	1	09/29/21 08:09	9/27/21	
Benzyl Alcohol	ND U	10	1	09/29/21 08:09	9/27/21	
2,2'-Oxybis(1-chloropropane)	ND U	10	1	09/29/21 08:09	9/27/21	
Bis(2-chloroethoxy)methane	ND U	10	1	09/29/21 08:09	9/27/21	
Bis(2-chloroethyl) Ether	ND U	10	1	09/29/21 08:09	9/27/21	
Bis(2-ethylhexyl) Phthalate	ND U	10	1	09/29/21 08:09	9/27/21	
Butyl Benzyl Phthalate	ND U	10	1	09/29/21 08:09	9/27/21	

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2111964-03

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: Method

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	ND U	10	1	09/29/21 08:09	9/27/21	
Chrysene	ND U	10	1	09/29/21 08:09	9/27/21	
Di-n-butyl Phthalate	ND U	10	1	09/29/21 08:09	9/27/21	
Di-n-octyl Phthalate	ND U	10	1	09/29/21 08:09	9/27/21	
Dibenz(a,h)anthracene	ND U	10	1	09/29/21 08:09	9/27/21	
Dibenzofuran	ND U	10	1	09/29/21 08:09	9/27/21	
Diethyl Phthalate	ND U	10	1	09/29/21 08:09	9/27/21	
Dimethyl Phthalate	ND U	10	1	09/29/21 08:09	9/27/21	
Fluoranthene	ND U	10	1	09/29/21 08:09	9/27/21	
Fluorene	ND U	10	1	09/29/21 08:09	9/27/21	
Hexachlorobenzene	ND U	10	1	09/29/21 08:09	9/27/21	
Hexachlorobutadiene	ND U	10	1	09/29/21 08:09	9/27/21	
Hexachlorocyclopentadiene	ND U	10	1	09/29/21 08:09	9/27/21	
Hexachloroethane	ND U	10	1	09/29/21 08:09	9/27/21	
Indeno(1,2,3-cd)pyrene	ND U	10	1	09/29/21 08:09	9/27/21	
Isophorone	ND U	10	1	09/29/21 08:09	9/27/21	
N-Nitrosodi-n-propylamine	ND U	10	1	09/29/21 08:09	9/27/21	
N-Nitrosodimethylamine	ND U	10	1	09/29/21 08:09	9/27/21	
N-Nitrosodiphenylamine	ND U	10	1	09/29/21 08:09	9/27/21	
Naphthalene	ND U	10	1	09/29/21 08:09	9/27/21	
Nitrobenzene	ND U	10	1	09/29/21 08:09	9/27/21	
Pentachlorophenol (PCP)	ND U	50	1	09/29/21 08:09	9/27/21	
Phenanthrene	ND U	10	1	09/29/21 08:09	9/27/21	
Phenol	ND U	10	1	09/29/21 08:09	9/27/21	
Pyrene	ND U	10	1	09/29/21 08:09	9/27/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	80	35 - 141	09/29/21 08:09	
2-Fluorobiphenyl	50	31 - 118	09/29/21 08:09	
2-Fluorophenol	44	10 - 105	09/29/21 08:09	
Nitrobenzene-d5	50	31 - 110	09/29/21 08:09	
Phenol-d6	32	10 - 107	09/29/21 08:09	
p-Terphenyl-d14	74	10 - 165	09/29/21 08:09	

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QA/QC Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Analyzed: 09/28/21

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample RQ2111872-02					Duplicate Lab Control Sample RQ2111872-03					
Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	8270D	44.4	80.0	55	53.5	80.0	67	10-127	20	30
1,2-Dichlorobenzene	8270D	44.0	80.0	55	49.5	80.0	62	23-130	12	30
1,3-Dichlorobenzene	8270D	46.5	80.0	58	48.1	80.0	60	21-90	3	30
1,4-Dichlorobenzene	8270D	44.0	80.0	55	45.8	80.0	57	10-124	4	30
2,4,5-Trichlorophenol	8270D	63.2	80.0	79	68.5	80.0	86	48-134	8	30
2,4,6-Trichlorophenol	8270D	55.5	80.0	69	61.2	80.0	76	44-135	10	30
2,4-Dichlorophenol	8270D	51.5	80.0	64	59.9	80.0	75	48-127	16	30
2,4-Dimethylphenol	8270D	52.2	80.0	65	58.1	80.0	73	35-99	12	30
2,4-Dinitrophenol	8270D	53.2	80.0	66	59.8	80.0	75	21-154	13	30
2,4-Dinitrotoluene	8270D	67.3	80.0	84	70.5	80.0	88	54-130	5	30
2,6-Dinitrotoluene	8270D	71.9	80.0	90	82.3	80.0	103	51-127	13	30
2-Chloronaphthalene	8270D	57.4	80.0	72	64.8	80.0	81	40-108	12	30
2-Chlorophenol	8270D	46.8	80.0	58	53.8	80.0	67	42-112	14	30
2-Methylnaphthalene	8270D	50.9	80.0	64	61.9	80.0	77	34-102	18	30
2-Methylphenol	8270D	48.8	80.0	61	54.5	80.0	68	47-100	11	30
2-Nitroaniline	8270D	68.6	80.0	86	72.3	80.0	90	52-133	5	30
2-Nitrophenol	8270D	47.9	80.0	60	62.4	80.0	78	43-131	26	30
3,3'-Dichlorobenzidine	8270D	70.2	80.0	88	68.3	80.0	85	43-126	3	30
3- and 4-Methylphenol Coelution	8270D	44.3	80.0	55	53.5	80.0	67	40-92	20	30
3-Nitroaniline	8270D	73.4	80.0	92	73.1	80.0	91	42-111	1	30
4,6-Dinitro-2-methylphenol	8270D	52.2	80.0	65	57.6	80.0	72	36-152	10	30
4-Bromophenyl Phenyl Ether	8270D	72.9	80.0	91	86.0	80.0	107	48-114	16	30
4-Chloro-3-methylphenol	8270D	55.7	80.0	70	65.2	80.0	82	52-113	16	30
4-Chloroaniline	8270D	54.8	80.0	68	69.4	80.0	87	44-109	25	30
4-Chlorophenyl Phenyl Ether	8270D	63.6	80.0	79	73.6	80.0	92	51-107	15	30
4-Nitroaniline	8270D	59.3	80.0	74	67.4	80.0	84	54-133	13	30
4-Nitrophenol	8270D	32.4 J	80.0	41	35.7 J	80.0	45	10-126	9	30
Acenaphthene	8270D	59.2	80.0	74	65.5	80.0	82	52-107	10	30
Acenaphthylene	8270D	64.1	80.0	80	75.0	80.0	94	55-109	16	30
Anthracene	8270D	65.4	80.0	82	76.3	80.0	95	55-116	15	30
Benz(a)anthracene	8270D	61.8	80.0	77	68.0	80.0	85	61-121	10	30
Benzo(a)pyrene	8270D	69.6	80.0	87	79.0	80.0	99	44-114	13	30
Benzo(b)fluoranthene	8270D	60.8	80.0	76	72.5	80.0	91	62-115	18	30

ALS Group USA, Corp.
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QA/QC Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Analyzed: 09/28/21

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2111872-02

Duplicate Lab Control Sample
RQ2111872-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Benzo(g,h,i)perylene	8270D	65.9	80.0	82	71.0	80.0	89	63-136	8	30
Benzo(k)fluoranthene	8270D	66.5	80.0	83	69.8	80.0	87	49-133	5	30
Benzyl Alcohol	8270D	48.5	80.0	61	62.4	80.0	78	31-109	24	30
2,2'-Oxybis(1-chloropropane)	8270D	46.6	80.0	58	53.2	80.0	66	32-122	13	30
Bis(2-chloroethoxy)methane	8270D	62.7	80.0	78	75.6	80.0	95	55-110	20	30
Bis(2-chloroethyl) Ether	8270D	50.6	80.0	63	57.1	80.0	71	46-102	12	30
Bis(2-ethylhexyl) Phthalate	8270D	60.5	80.0	76	68.9	80.0	86	51-132	12	30
Butyl Benzyl Phthalate	8270D	61.4	80.0	77	71.1	80.0	89	41-148	14	30
Carbazole	8270D	75.6	80.0	94	85.2	80.0	107	56-139	13	30
Chrysene	8270D	66.8	80.0	84	73.9	80.0	92	57-118	9	30
Di-n-butyl Phthalate	8270D	75.2	80.0	94	86.4	80.0	108	57-128	14	30
Di-n-octyl Phthalate	8270D	60.4	80.0	76	69.4	80.0	87	62-124	13	30
Dibenz(a,h)anthracene	8270D	65.2	80.0	82	73.9	80.0	92	54-135	11	30
Dibenzofuran	8270D	63.8	80.0	80	70.8	80.0	88	55-110	10	30
Diethyl Phthalate	8270D	71.9	80.0	90	76.9	80.0	96	53-113	6	30
Dimethyl Phthalate	8270D	69.6	80.0	87	75.6	80.0	94	51-112	8	30
Fluoranthene	8270D	72.4	80.0	90	83.5	80.0	104	66-127	14	30
Fluorene	8270D	65.0	80.0	81	71.6	80.0	90	54-106	11	30
Hexachlorobenzene	8270D	68.3	80.0	85	82.8	80.0	104	53-123	20	30
Hexachlorobutadiene	8270D	43.7	80.0	55	55.6	80.0	69	16-95	23	30
Hexachlorocyclopentadiene	8270D	26.6	80.0	33	33.3	80.0	42	10-99	24	30
Hexachloroethane	8270D	39.2	80.0	49	51.6	80.0	64	15-92	27	30
Indeno(1,2,3-cd)pyrene	8270D	61.5	80.0	77	67.9	80.0	85	62-137	10	30
Isophorone	8270D	56.1	80.0	70	68.8	80.0	86	50-116	21	30
N-Nitrosodi-n-propylamine	8270D	50.3	80.0	63	57.3	80.0	72	49-115	13	30
N-Nitrosodimethylamine	8270D	38.7	80.0	48	45.8	80.0	57	31-70	17	30
N-Nitrosodiphenylamine	8270D	76.3	80.0	95	86.2	80.0	108	45-123	13	30
Naphthalene	8270D	49.8	80.0	62	59.8	80.0	75	38-99	19	30
Nitrobenzene	8270D	52.9	80.0	66	56.7	80.0	71	46-108	7	30
Pentachlorophenol (PCP)	8270D	61.9	80.0	77	71.3	80.0	89	29-164	14	30
Phenanthrene	8270D	64.0	80.0	80	73.2	80.0	91	58-118	13	30
Phenol	8270D	26.4	80.0	33	29.1	80.0	36	10-113	9	30
Pyrene	8270D	64.1	80.0	80	71.5	80.0	89	61-122	11	30

ALS Group USA, Corp.
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QA/QC Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Analyzed: 09/29/21

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample RQ2111964-04					Duplicate Lab Control Sample RQ2111964-05					
Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	8270D	47.4	80.0	59	54.4	80.0	68	10-127	14	30
1,2-Dichlorobenzene	8270D	46.9	80.0	59	49.6	80.0	62	23-130	5	30
1,3-Dichlorobenzene	8270D	43.9	80.0	55	49.1	80.0	61	21-90	10	30
1,4-Dichlorobenzene	8270D	41.8	80.0	52	48.3	80.0	60	10-124	14	30
2,4,5-Trichlorophenol	8270D	69.5	80.0	87	74.9	80.0	94	48-134	8	30
2,4,6-Trichlorophenol	8270D	59.0	80.0	74	64.8	80.0	81	44-135	9	30
2,4-Dichlorophenol	8270D	55.6	80.0	70	64.9	80.0	81	48-127	15	30
2,4-Dimethylphenol	8270D	45.0	80.0	56	45.5	80.0	57	35-99	2	30
2,4-Dinitrophenol	8270D	54.6	80.0	68	66.6	80.0	83	21-154	20	30
2,4-Dinitrotoluene	8270D	72.3	80.0	90	70.8	80.0	89	54-130	1	30
2,6-Dinitrotoluene	8270D	68.5	80.0	86	79.4	80.0	99	51-127	14	30
2-Chloronaphthalene	8270D	57.6	80.0	72	63.7	80.0	80	40-108	11	30
2-Chlorophenol	8270D	50.3	80.0	63	55.3	80.0	69	42-112	9	30
2-Methylnaphthalene	8270D	52.3	80.0	65	60.7	80.0	76	34-102	16	30
2-Methylphenol	8270D	52.3	80.0	65	56.8	80.0	71	47-100	9	30
2-Nitroaniline	8270D	68.9	80.0	86	73.0	80.0	91	52-133	6	30
2-Nitrophenol	8270D	50.9	80.0	64	59.2	80.0	74	43-131	14	30
3,3'-Dichlorobenzidine	8270D	76.3	80.0	95	78.8	80.0	98	43-126	3	30
3- and 4-Methylphenol Coelution	8270D	50.5	80.0	63	54.6	80.0	68	40-92	8	30
3-Nitroaniline	8270D	72.2	80.0	90	77.6	80.0	97	42-111	7	30
4,6-Dinitro-2-methylphenol	8270D	51.7	80.0	65	60.2	80.0	75	36-152	14	30
4-Bromophenyl Phenyl Ether	8270D	73.6	80.0	92	87.2	80.0	109	48-114	17	30
4-Chloro-3-methylphenol	8270D	56.2	80.0	70	61.4	80.0	77	52-113	10	30
4-Chloroaniline	8270D	61.2	80.0	77	69.0	80.0	86	44-109	11	30
4-Chlorophenyl Phenyl Ether	8270D	65.3	80.0	82	77.4	80.0	97	51-107	17	30
4-Nitroaniline	8270D	62.4	80.0	78	72.5	80.0	91	54-133	15	30
4-Nitrophenol	8270D	37.3 J	80.0	47	38.2 J	80.0	48	10-126	2	30
Acenaphthene	8270D	61.4	80.0	77	67.0	80.0	84	52-107	9	30
Acenaphthylene	8270D	64.3	80.0	80	74.9	80.0	94	55-109	16	30
Anthracene	8270D	67.2	80.0	84	74.9	80.0	94	55-116	11	30
Benz(a)anthracene	8270D	66.7	80.0	83	73.7	80.0	92	61-121	10	30
Benzo(a)pyrene	8270D	76.0	80.0	95	83.3	80.0	104	44-114	9	30
Benzo(b)fluoranthene	8270D	68.3	80.0	85	69.6	80.0	87	62-115	2	30

ALS Group USA, Corp.
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QA/QC Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Analyzed: 09/29/21

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample					Duplicate Lab Control Sample					
RQ2111964-04					RQ2111964-05					
Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Benzo(g,h,i)perylene	8270D	69.8	80.0	87	81.3	80.0	102	63-136	16	30
Benzo(k)fluoranthene	8270D	68.8	80.0	86	74.9	80.0	94	49-133	9	30
Benzyl Alcohol	8270D	56.0	80.0	70	62.4	80.0	78	31-109	11	30
2,2'-Oxybis(1-chloropropane)	8270D	47.8	80.0	60	54.7	80.0	68	32-122	13	30
Bis(2-chloroethoxy)methane	8270D	70.9	80.0	89	77.3	80.0	97	55-110	9	30
Bis(2-chloroethyl) Ether	8270D	51.9	80.0	65	59.5	80.0	74	46-102	13	30
Bis(2-ethylhexyl) Phthalate	8270D	64.4	80.0	81	72.5	80.0	91	51-132	12	30
Butyl Benzyl Phthalate	8270D	65.7	80.0	82	72.8	80.0	91	41-148	10	30
Carbazole	8270D	73.8	80.0	92	86.0	80.0	107	56-139	15	30
Chrysene	8270D	68.8	80.0	86	78.4	80.0	98	57-118	13	30
Di-n-butyl Phthalate	8270D	75.1	80.0	94	85.4	80.0	107	57-128	13	30
Di-n-octyl Phthalate	8270D	65.7	80.0	82	69.6	80.0	87	62-124	6	30
Dibenz(a,h)anthracene	8270D	72.9	80.0	91	83.7	80.0	105	54-135	14	30
Dibenzofuran	8270D	63.4	80.0	79	73.2	80.0	92	55-110	15	30
Diethyl Phthalate	8270D	70.7	80.0	88	75.9	80.0	95	53-113	8	30
Dimethyl Phthalate	8270D	72.4	80.0	90	77.9	80.0	97	51-112	7	30
Fluoranthene	8270D	71.2	80.0	89	83.6	80.0	105	66-127	16	30
Fluorene	8270D	68.3	80.0	85	76.7	80.0	96	54-106	12	30
Hexachlorobenzene	8270D	73.1	80.0	91	82.8	80.0	104	53-123	13	30
Hexachlorobutadiene	8270D	47.4	80.0	59	57.0	80.0	71	16-95	18	30
Hexachlorocyclopentadiene	8270D	24.0	80.0	30	32.2	80.0	40	10-99	29	30
Hexachloroethane	8270D	38.4	80.0	48	42.6	80.0	53	15-92	10	30
Indeno(1,2,3-cd)pyrene	8270D	70.0	80.0	88	73.6	80.0	92	62-137	4	30
Isophorone	8270D	61.0	80.0	76	66.3	80.0	83	50-116	9	30
N-Nitrosodi-n-propylamine	8270D	50.5	80.0	63	58.7	80.0	73	49-115	15	30
N-Nitrosodimethylamine	8270D	43.8	80.0	55	51.5	80.0	64	31-70	15	30
N-Nitrosodiphenylamine	8270D	76.2	80.0	95	91.6	80.0	114	45-123	18	30
Naphthalene	8270D	51.3	80.0	64	60.2	80.0	75	38-99	16	30
Nitrobenzene	8270D	57.6	80.0	72	61.9	80.0	77	46-108	7	30
Pentachlorophenol (PCP)	8270D	63.2	80.0	79	78.3	80.0	98	29-164	21	30
Phenanthrene	8270D	66.1	80.0	83	74.3	80.0	93	58-118	11	30
Phenol	8270D	31.0	80.0	39	31.7	80.0	40	10-113	3	30
Pyrene	8270D	69.8	80.0	87	79.2	80.0	99	61-122	13	30



Metals

ALS Environmental—Rochester Laboratory

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2109739-MB

Service Request: R2109739
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Dissolved	6010C	ND U	ug/L	10	1	09/25/21 17:56	09/23/21	
Lead, Dissolved	6010C	ND U	ug/L	50	1	09/25/21 17:56	09/23/21	

ALS Group USA, Corp.
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QA/QC Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Analyzed: 09/25/21

Duplicate Lab Control Sample Summary
Inorganic Parameters

Units:ug/L
Basis:NA

Lab Control Sample R2109739-LCS					Duplicate Lab Control Sample R2109739-DLCS					
Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Arsenic, Dissolved	6010C	37	40	92	36	40	90	80-120	2	20
Lead, Dissolved	6010C	493	500	99	485	500	97	80-120	2	20



General Chemistry

ALS Environmental—Rochester Laboratory

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Analytical Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R2109739-MB

Service Request: R2109739
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Oil and Grease, Total (HEM)	1664B	ND U	mg/L	5.0	1	09/29/21 09:00	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Unicorn Management Consultants
Project: Union Rd/2011-200
Sample Matrix: Water

Service Request: R2109739
Date Analyzed: 09/29/21

Duplicate Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

			Lab Control Sample		Duplicate Lab Control Sample					
			R2109739-LCS		R2109739-DLCS					
Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Oil and Grease, Total (HEM)	1664B	33.9	41.1	82	35.3	41.4	85	78-114	4	18