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Unicorn Management Consultants, LLC

ANNUAL GROUNDWATER MONITORING REPORT
CLOSURE YEAR 24 (2020)

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

January 12, 2021

Document Authorization Form

Annual Groundwater Monitoring Report
Closure Year 24 (2020)

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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January 12, 2021
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Manager of Environmental Projects

1/12/2021

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 on Site during Closure Year 24 (2020). UMC did not conduct a groundwater sampling event in 2020 as discussed in Section 3 of this report.

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 ANALYSIS

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 (see Section 3.2) thereafter.

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

- Total petroleum hydrocarbons (TPH) by EPA Method 1664A;
- Volatile organic compounds (VOCs) by EPA Method 8260;
- Semi-volatile organic compounds (SVOCs) by EPA Method 8270; and
- Soluble metals (lead and arsenic) by EPA Method 6010B, 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. Following discussions with NYSDEC and a review of the analytical data for groundwater samples collected on Site following the landfill closure in 1997, UMC believes that a reduction in the sampling frequency on Site is appropriate.

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 MODIFICATION OF GROUNDWATER SAMPLING FREQUENCY

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, with the next groundwater sampling event scheduled for 2021. Copies of these letters are included in Appendix B of this report.

3.3 2020 GROUNDWATER SAMPLING EVENT

Due to the change in groundwater sampling frequency dicussed in Section 3.2 above, UMC did not conduct a groundwater sampling event in 2020.

3.4 SUMMARY OF HISTORICAL ANALYTICAL DATA

Since the landfill closure in 1997, groundwater sampling has been conducted a total of 27 times. The data from these 27 events is presented in Tables 3-2 and 3-3 of this report. Total values for SVOCs, VOCs, TPH, souluble 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 August 13, 2020, UMC measured the depth to groundwater in the monitoring wells. Table 4-1 summarizes the results of these measurements. 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 respectfully and has not been affected by the placement of the landfill closure.

5 SITE INSPECTION AND MAINTENANCE

UMC performed the 2020 Site Inspection on May 20, 2020. UMC was accompanied by Ms. Megan Kuczka of the NYSDEC. The 2020 Site Inspection consisted of walking the site and documenting any observations. Below is a summary of observations made during the 2020 Site Inspection, as well as any maintenance activities that have been conducted in 2020:

5.1 ROUNDHOUSE AREA

The area is well vegetated and stabilized. During the 2020 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 2020 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. UMC periodically observes this type of erosion in this area, and replaces the washed-out material as needed. OnSeptember 22, 2020, UMC filled the erosion located on the slope between the landfill and the wetlands to the north of the landfill with topsoil 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.

As requested by the NYSDEC, grass on the landfill area is mowed annually. Annual Mowing was performed on September 22, 2020.

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 ESTORATION

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 2020 Site Inspection, the gabion basket wing-walls were stable and the reno mattresses installed along the creek were in overall good condition

5.5 DOWNSREAM 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.

While conducting the Site Inspection, UMC and NYSDEC did observe a small number of new ATV trails cut into the wetlands and wooded areas south of the landfill. It appeared in some areas that the areas were being maintained. This maintenance is likely being conducted by the local residents. None of the new ATV trails appear to affect the landfill or erosion controls installed in the creeks.

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

5.6 DEWATERING SYSTEM

During the 2020 Site Inspection, UMC did not observe any issues with the Site dewatering system; however, beginning on May 24, 2020, UMC began receiving a series of "duplex high" alerts from the Site telemetry unit. UMC received these alerts on May 24-25, 2020; June 7, 2020; and June 20, 2020.

A "duplex high" alarm means that water in the sump pit is entering into the sump pit at a faster rate than it is being discharged to the sewer system, causing the sump pit to flood. When the sump pit water level reaches the "duplex high" contact sensor, the system will temporarily turn off the trench dewatering pump to allow the water in the sump pit to either be pumped out by the sump pumps or, if the sump pumps aren't working, passively drain to the sewer (this is slower). Once the sump water level drops below the "off" contact sensor, the system restarts the trench dewatering pump. This will repeat until the trench has been adequately dewatered.

On June 22, 2020, UMC ran the system manually and checked the flow rates for each of the two sump pumps during operation. One of the sump pumps was pumping at a rate of approximately 13 to 15 gallons per minute (gpm), when it should have been pumping at a rate of 19 to 22 gpm.

UMC adjusted the gate valve to achieve the correct flow rate. Because no changes were made to the valves during the previous Site visit on May 20, 2020, UMC believes that the reduction in the flow rate may have been caused by debris that was caught either at the sump pump inlet, or at the gate valve. In either case, adjusting the gate valve appears to have cleared the blockage.

After adjusting the gate valve, UMC continued to run the system for approximately 1 hour to ensure that the system was discharging without issue. During the remainder of the manual test, no "duplex high" alarms were generated. UMC will continue to remotely monitor the Site dewatering system and address any issues that are observed.

The dewatering system is currently operating without issue.

6 CONCLUSION

The observations made during the 2020 Annual Site Inspection, groundwater elevation measurements collected in 2020, and the historical groundwater data, all demonstrate that remedial activities at the Union Road Site continue to be successful. The groundwater quality outside the landfill closure is better than groundwater quality in the interior of the closure.

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

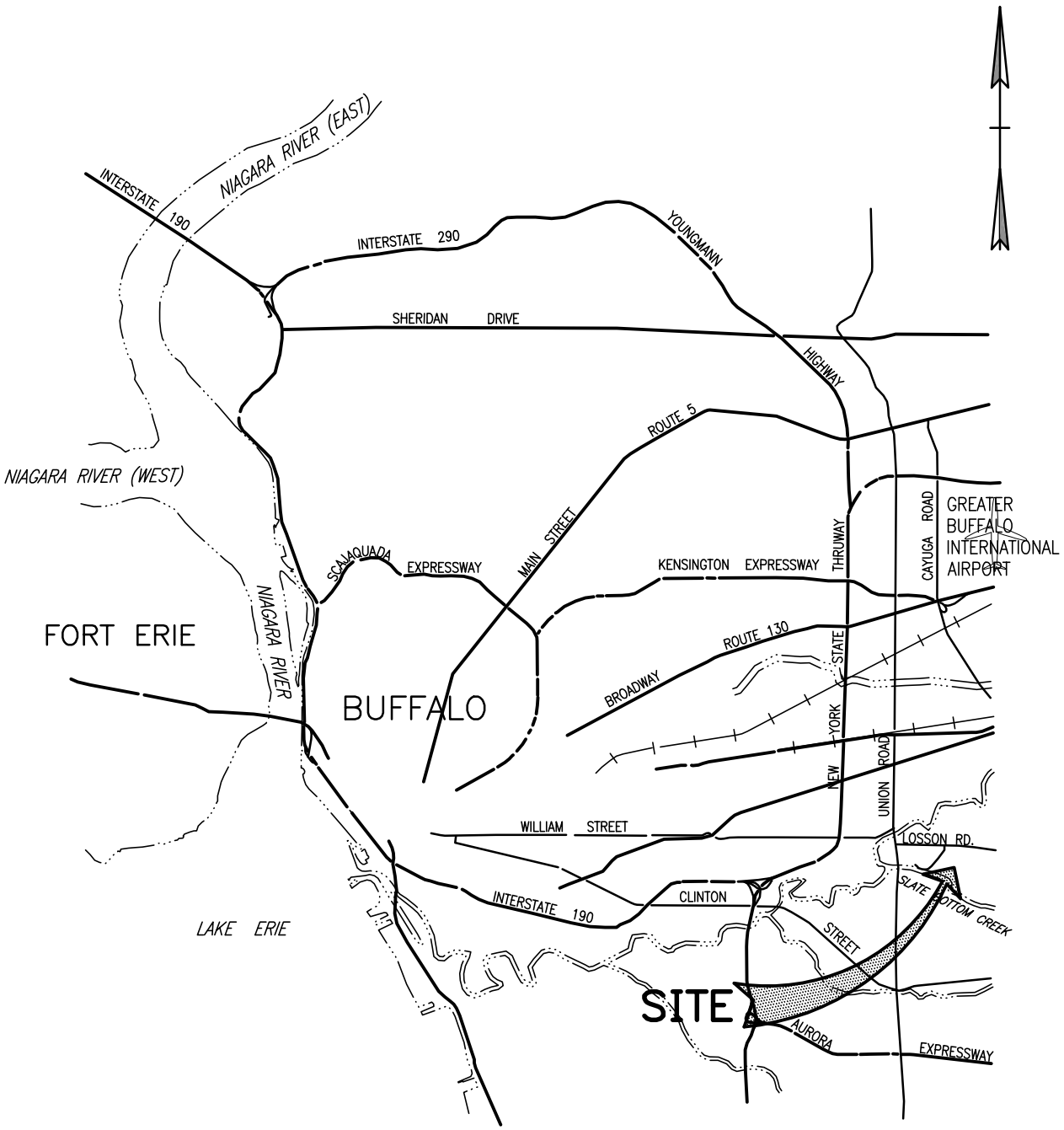

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					FIGURE # 1-1

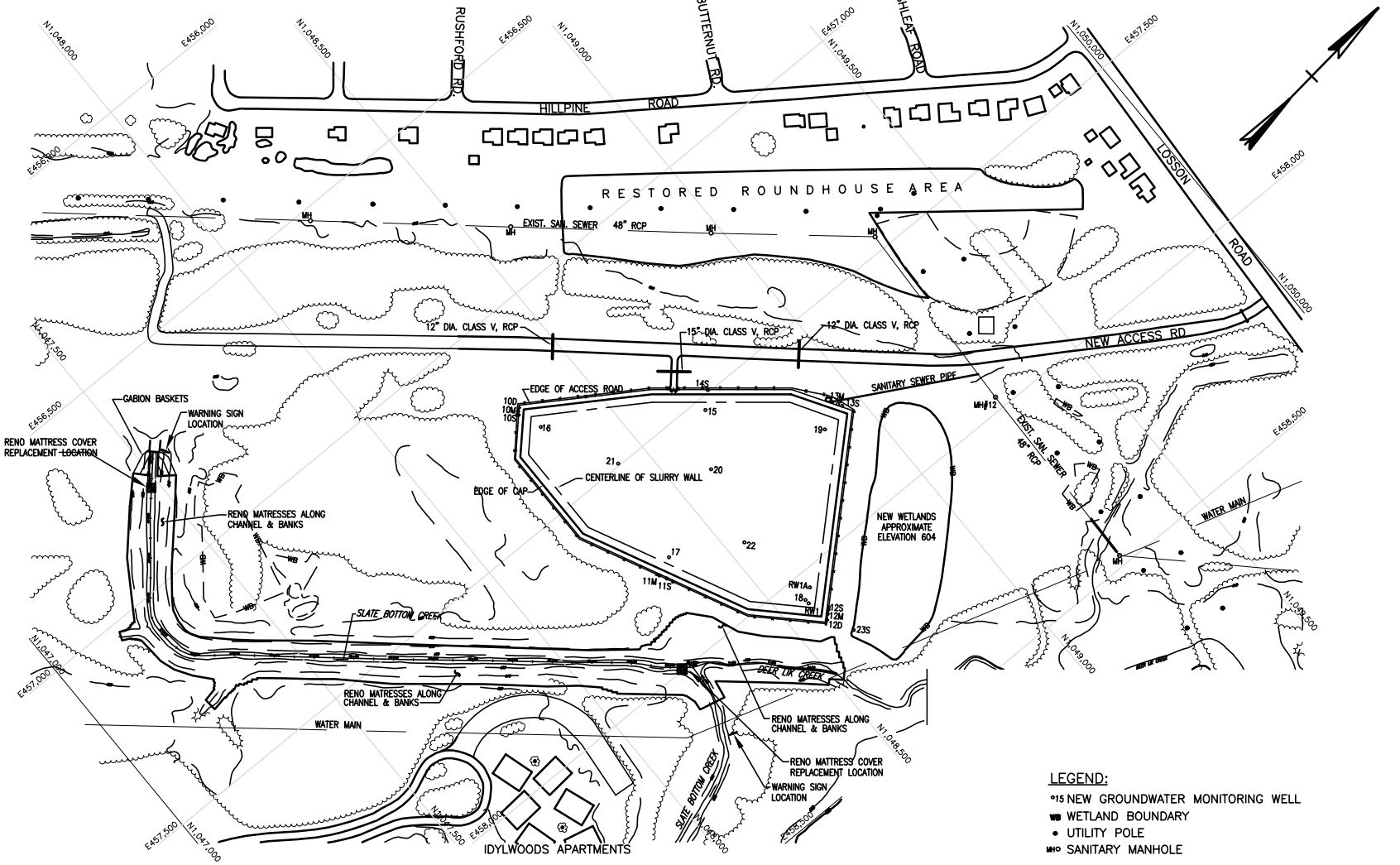

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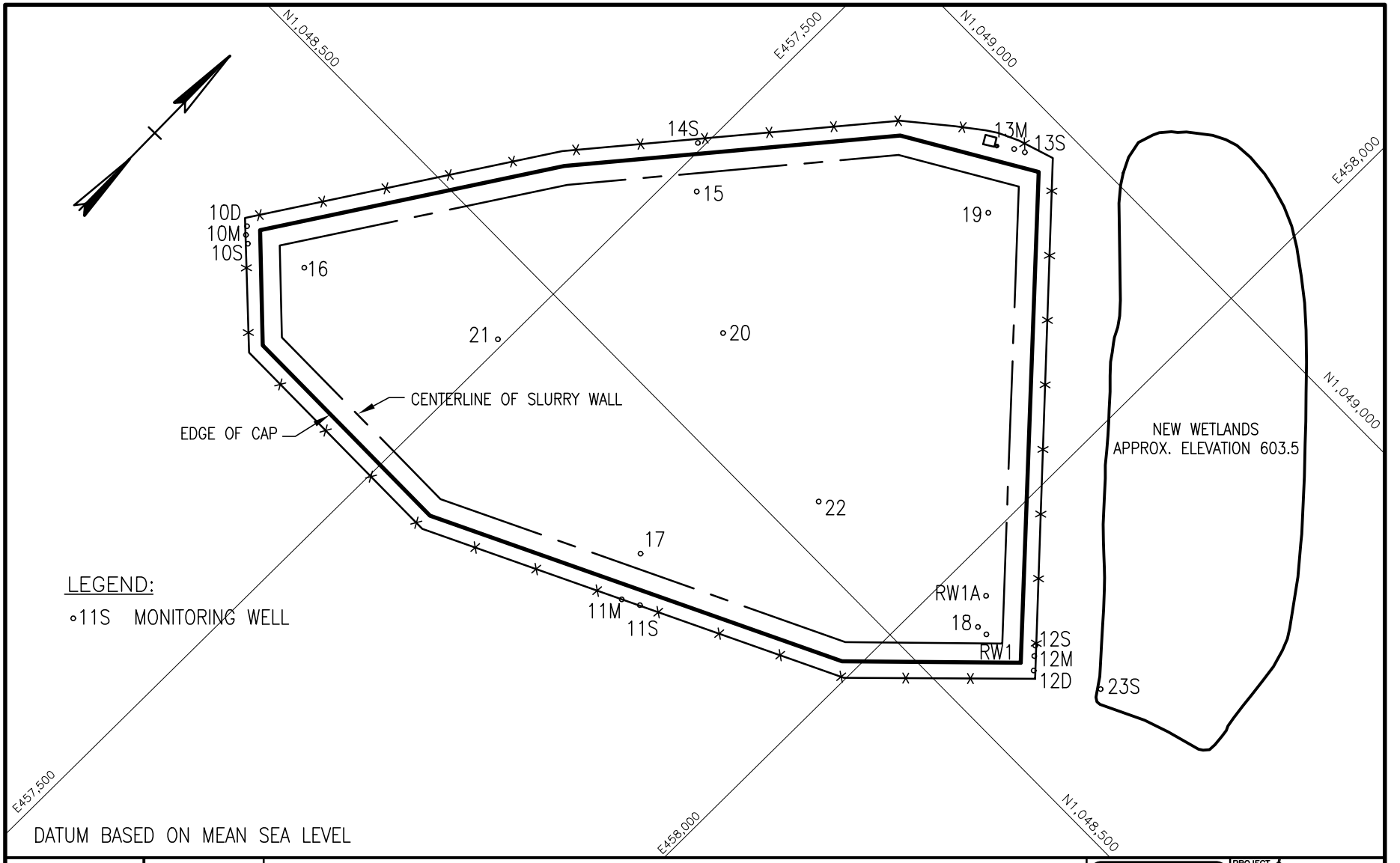
					FIGURE # 1-2



REVISIONS		PROJECT	UNION ROAD SITE TOWN OF CHEEKTOWAGA, NEW YORK	Unicorn Management Consultants, LLC 52 FEDERAL ROAD DANBURY, CT (203) 205-9000	PROJECT # 2011-200 FILENAME: 2045100B SCALE: 1" =150' DATE: 1/15/02 BY: AD CK: FIGURE # 2-1
NO.	DATE				
		DRAWING	GROUNDWATER MONITORING WELL LOCATIONS		

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

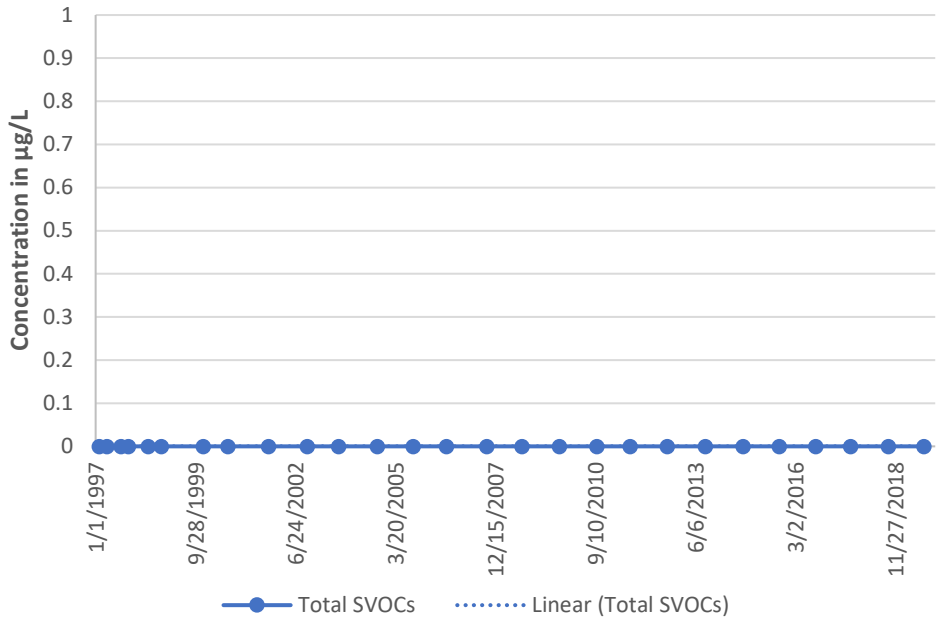


Figure 3-1b
MW-10S: Total VOCs

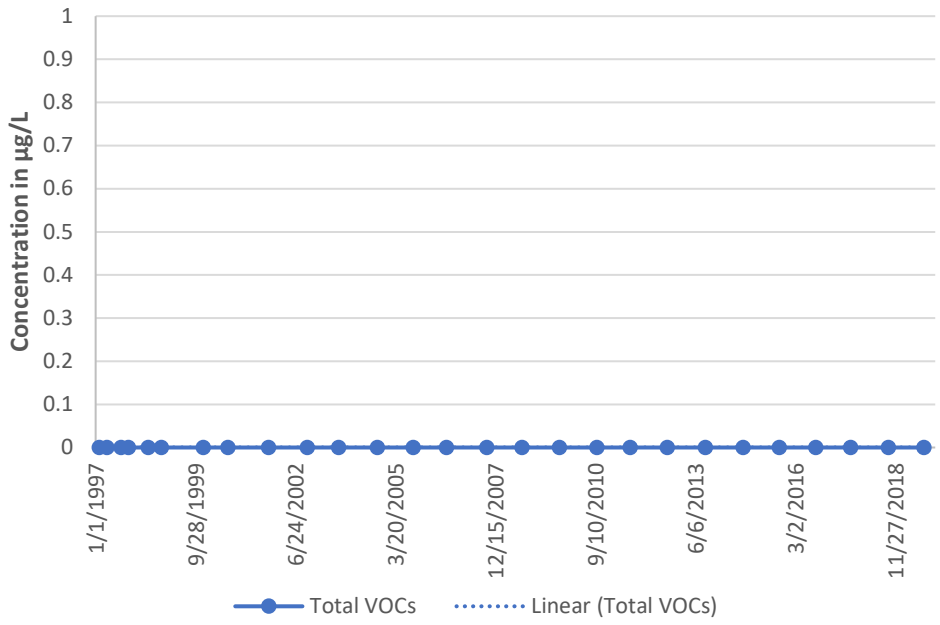


Figure 3-1c
MW-10S: TPH

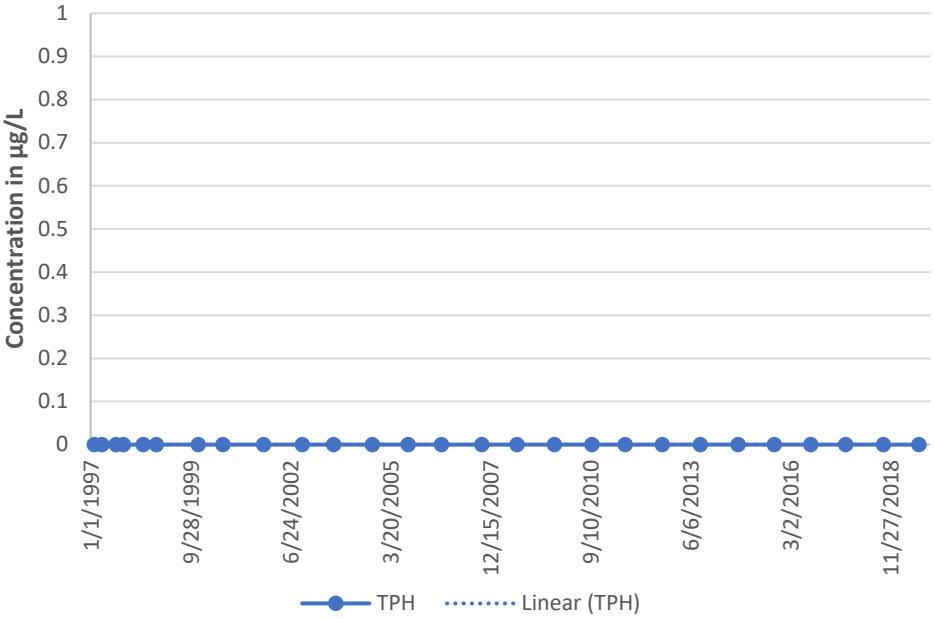


Figure 3-1d
MW-10S: Soluble Arsenic

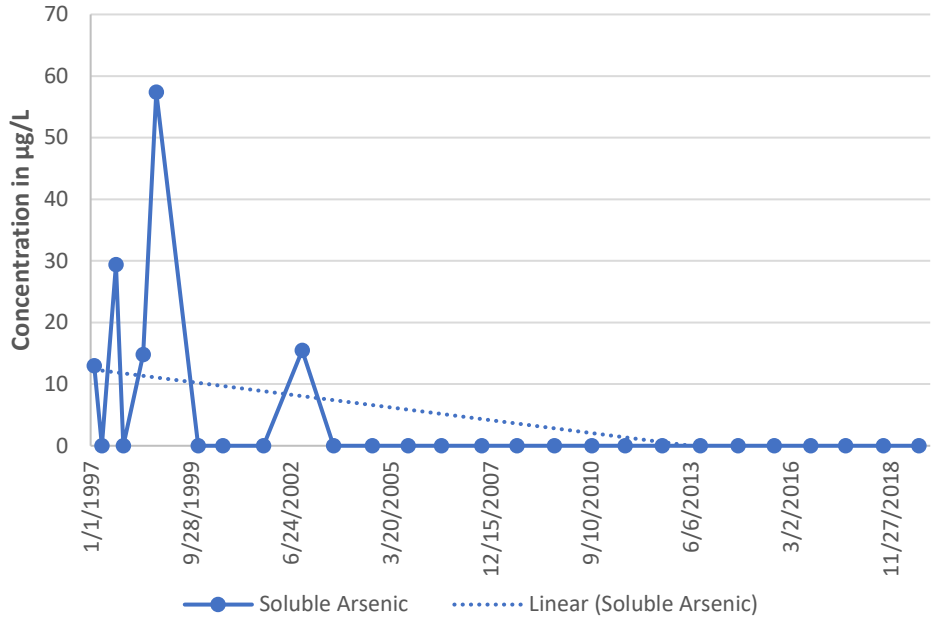


Figure 3-1e
MW-10S: Soluble Lead

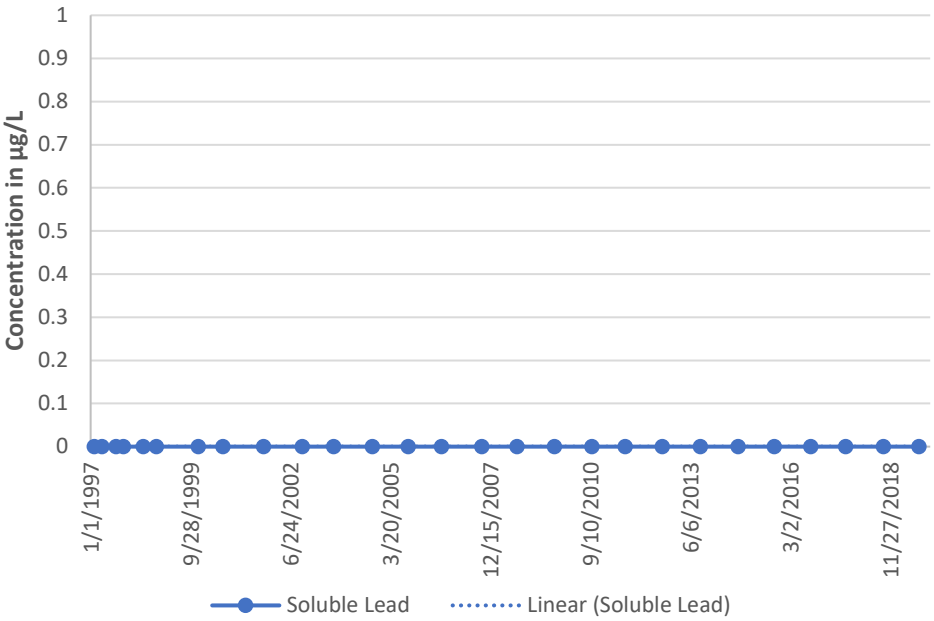
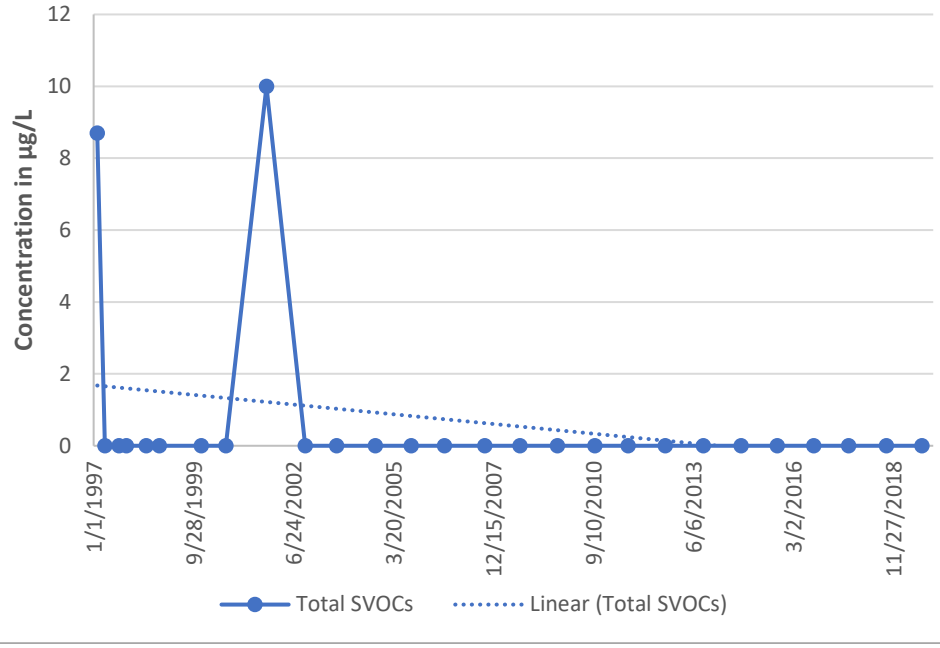


Figure 3-2a
MW-10M: Total SVOCs



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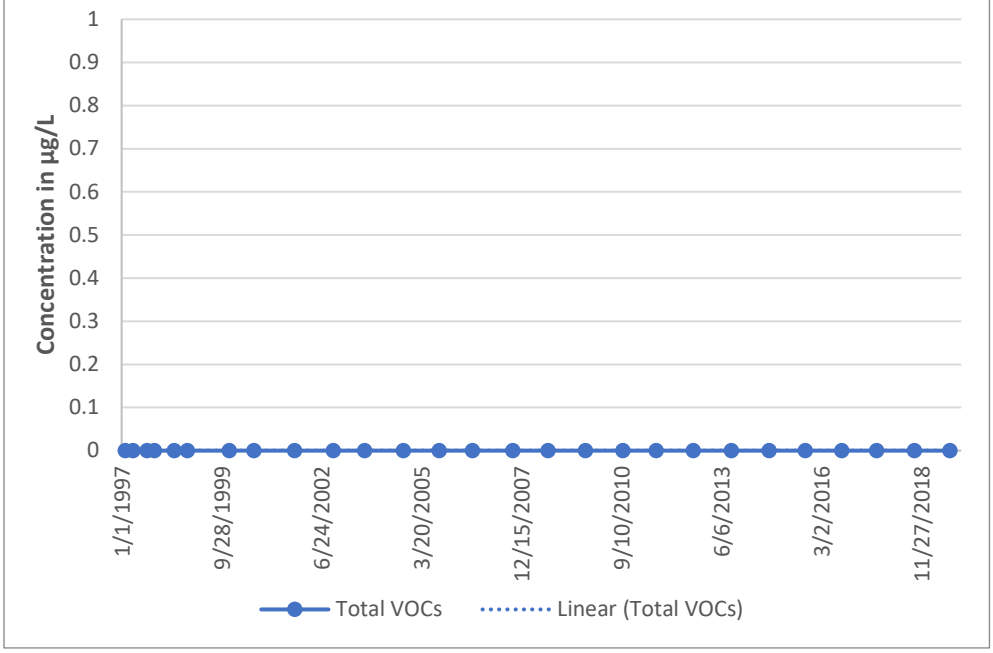
MW-10M: Total VOCs



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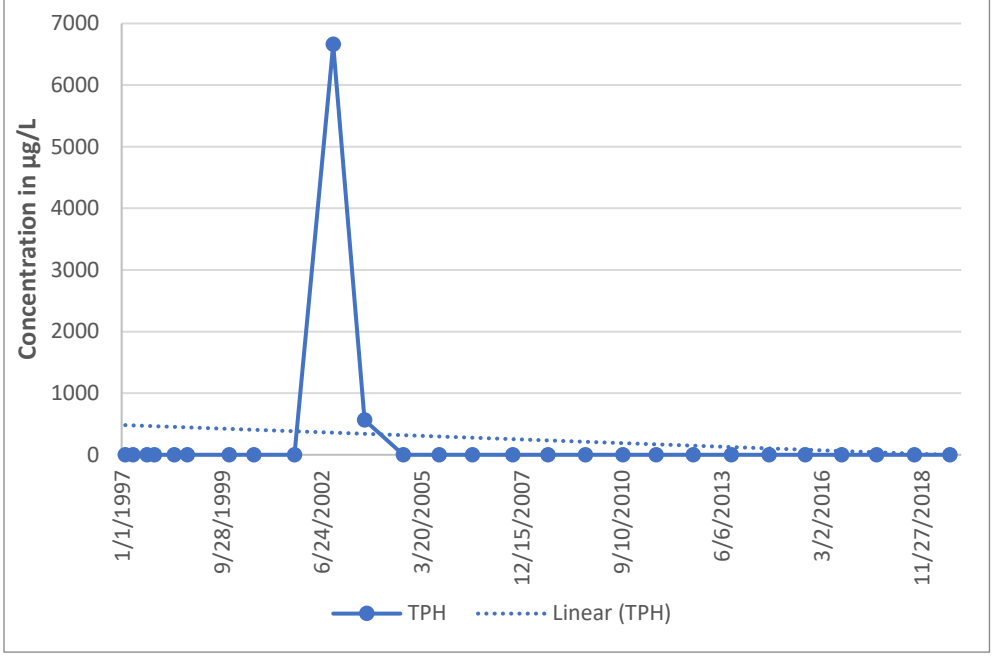

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MW-10M: Soluble Arsenic

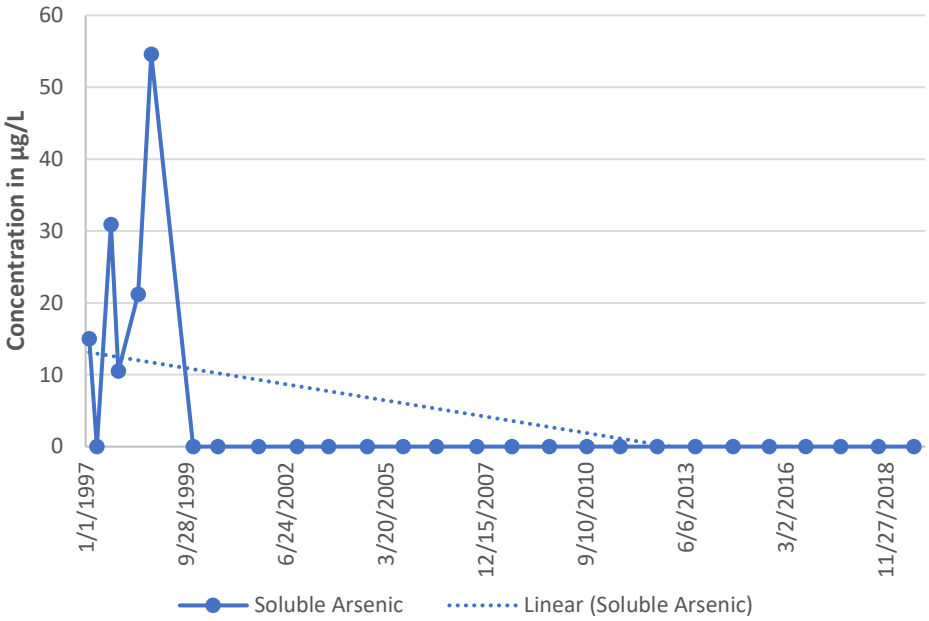


Figure 3-2e
MW-10M: Soluble Lead

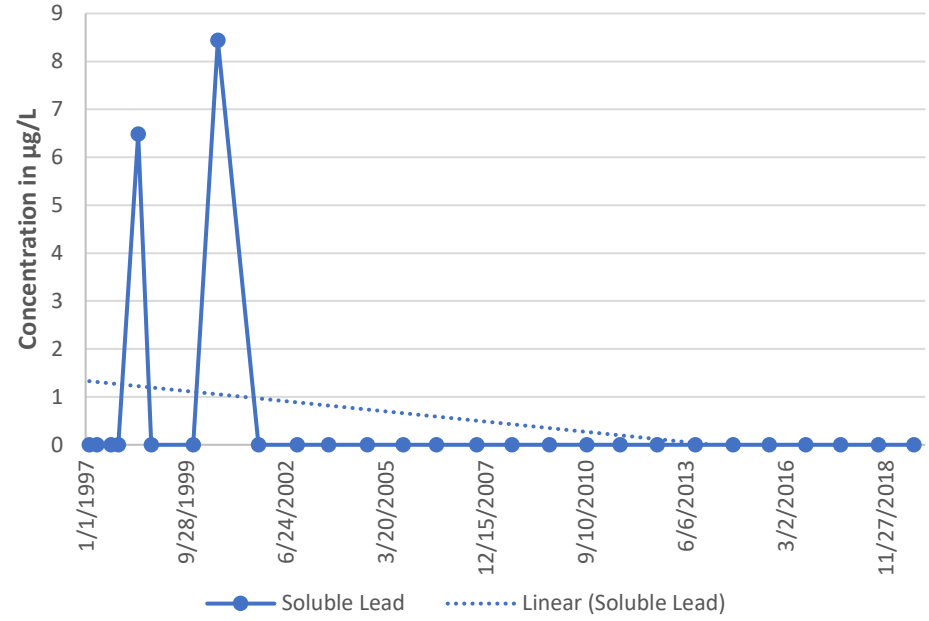


Figure 3-3a
MW-10D: Total SVOCs

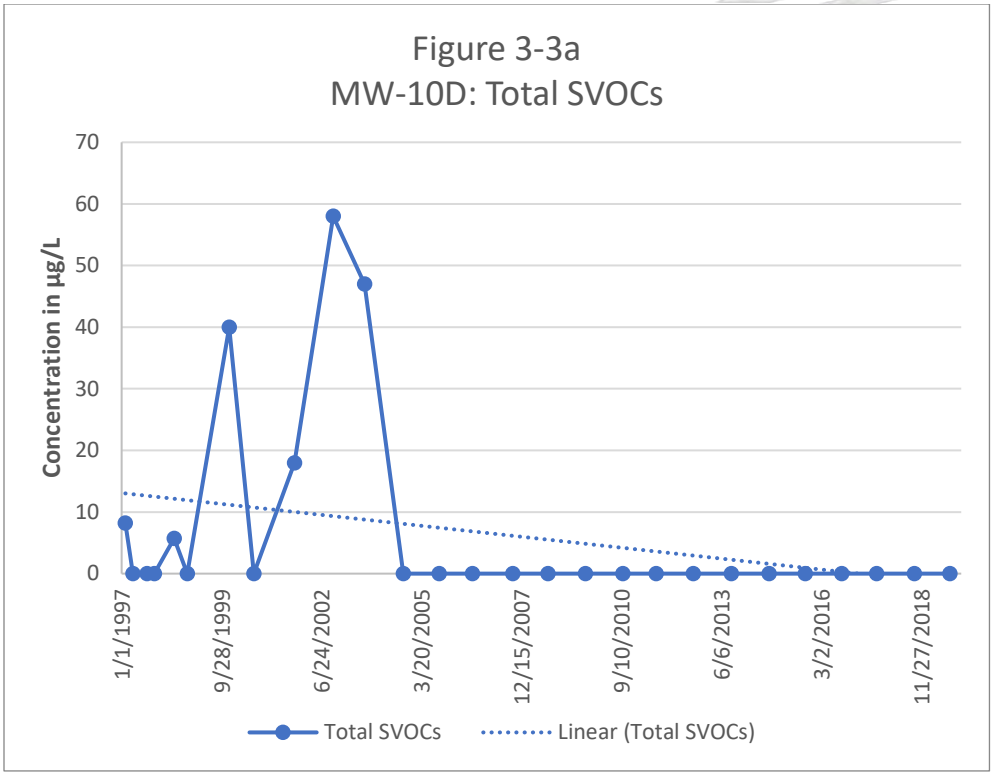


Figure 3-3b
MW-10D: Total VOCs

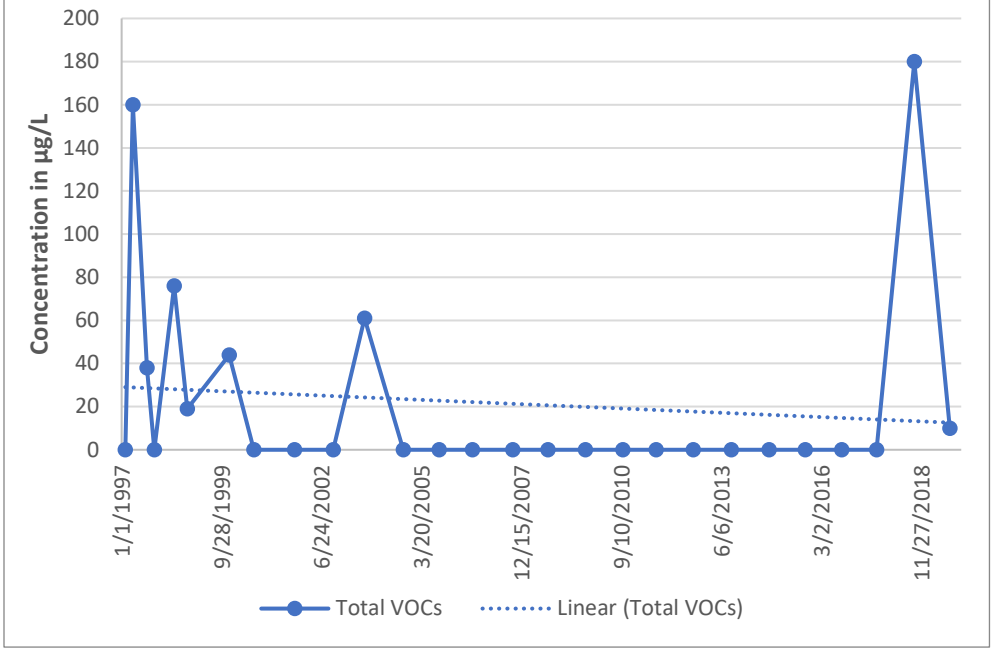


Figure 3-3c
MW-10D: TPH

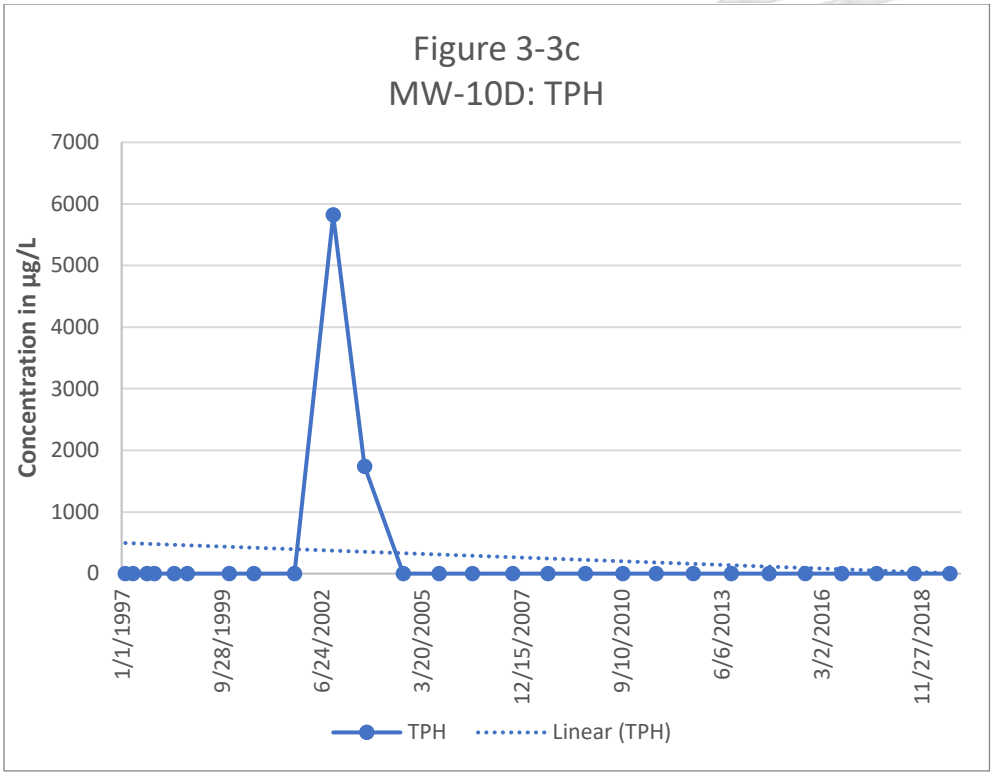


Figure 3-3d
MW-10D: Soluble Arsenic

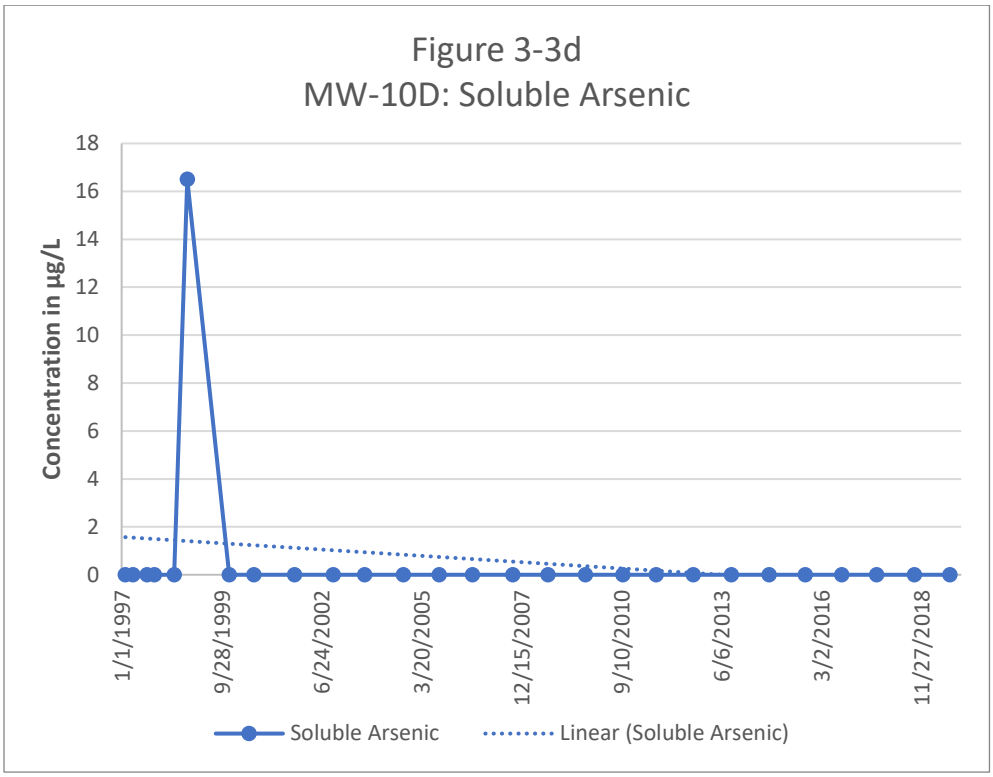


Figure 3-3e
MW-10D: Soluble Lead

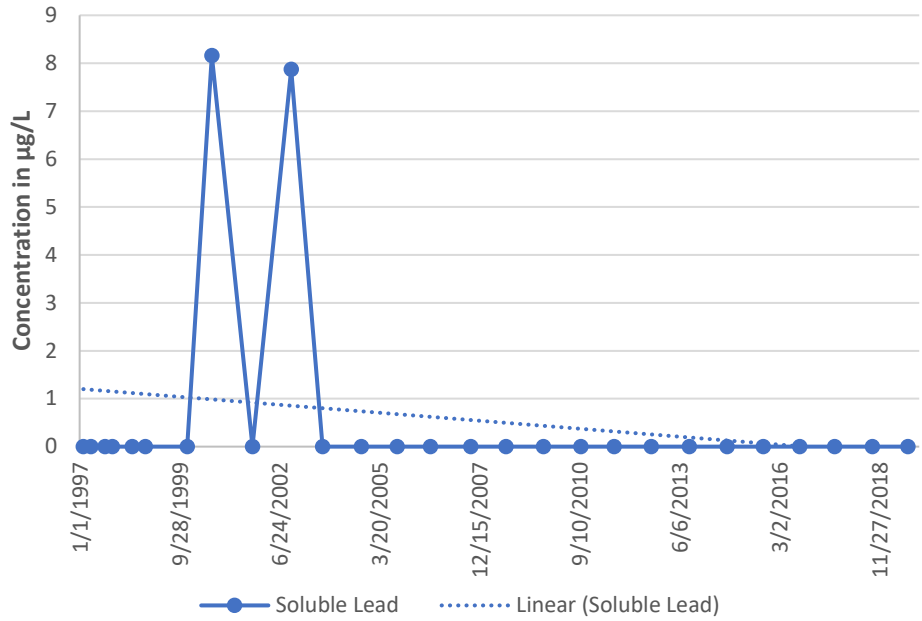


Figure 3-4a
MW-11S: Total SVOCs

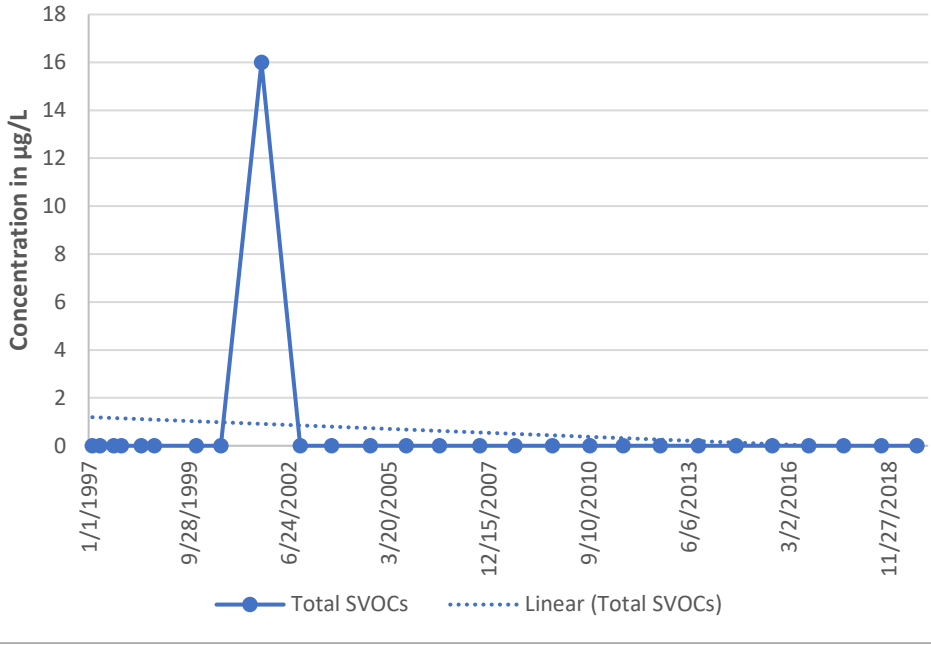


Figure 3-4b
MW-11S: Total VOCs

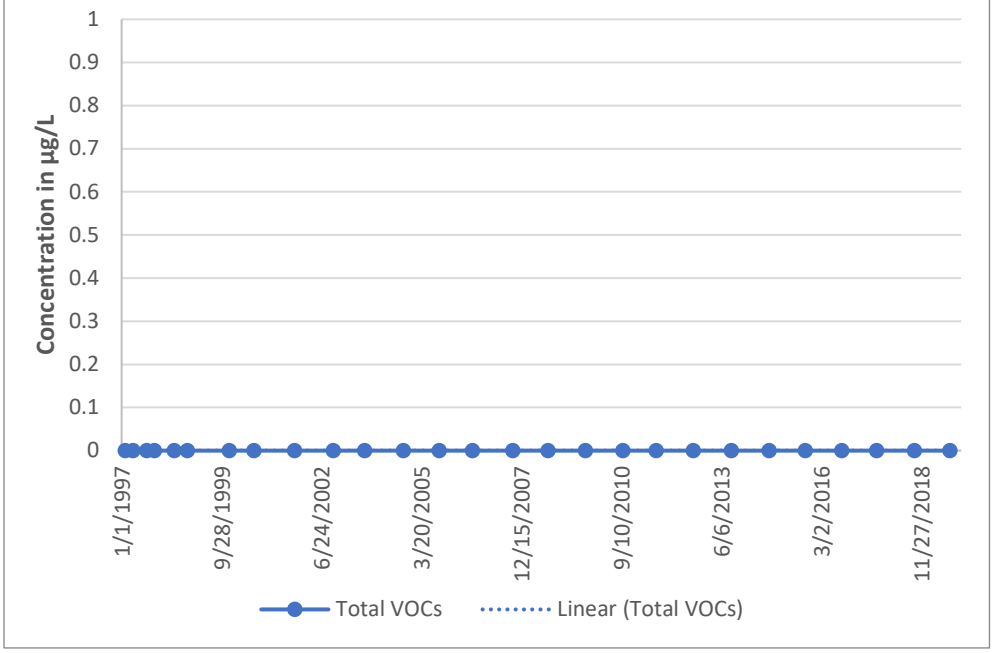


Figure 3-4c
MW-11S: TPH

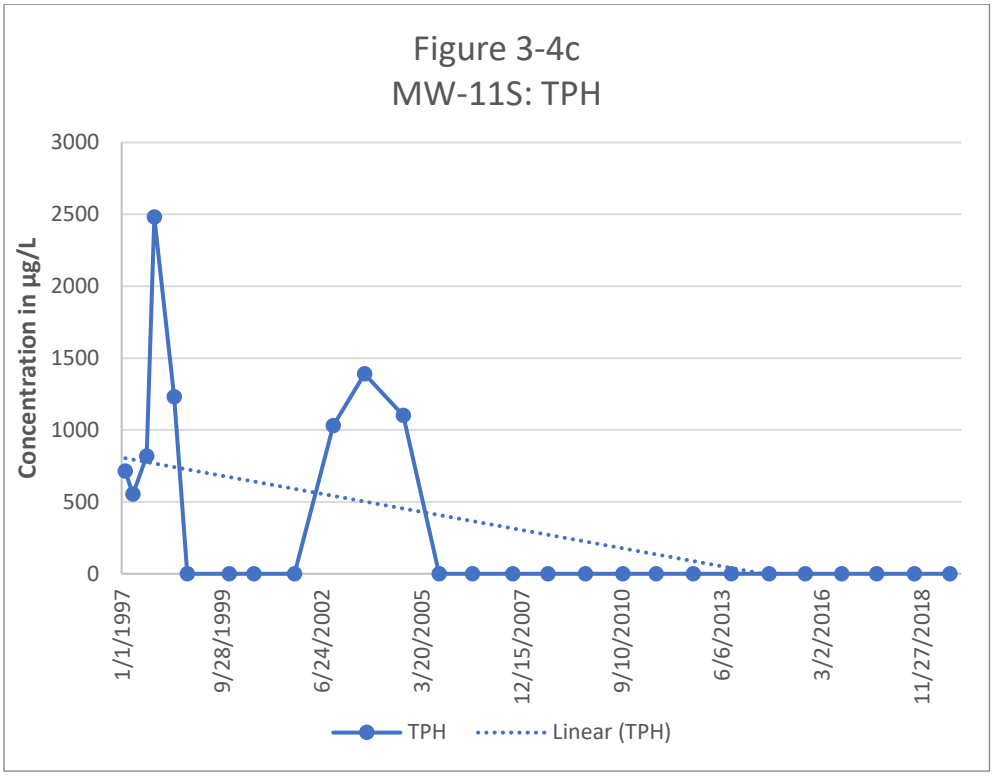


Figure 3-4d
MW-11S: Soluble Arsenic

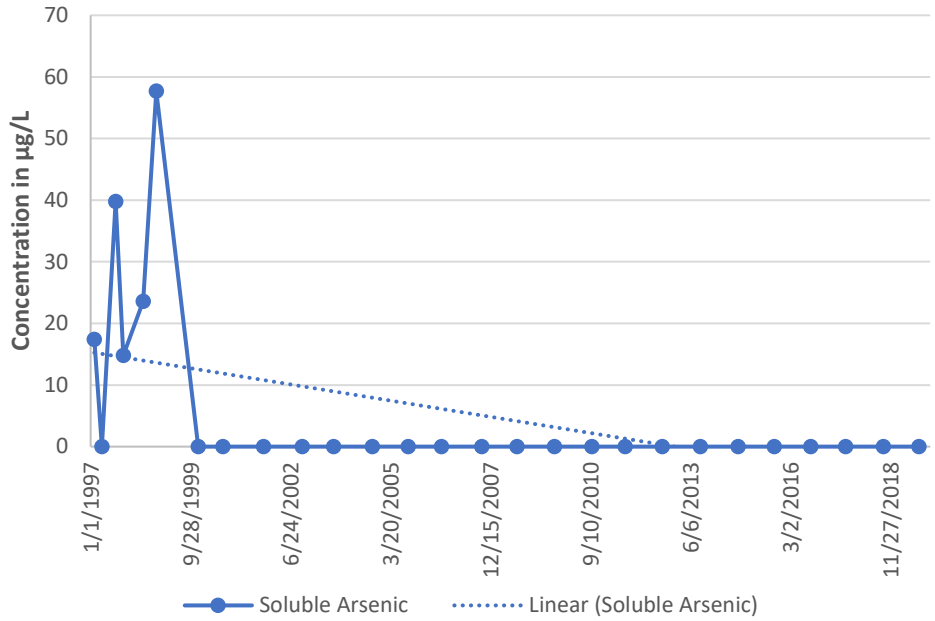


Figure 3-4e
MW-11S: Soluble Lead

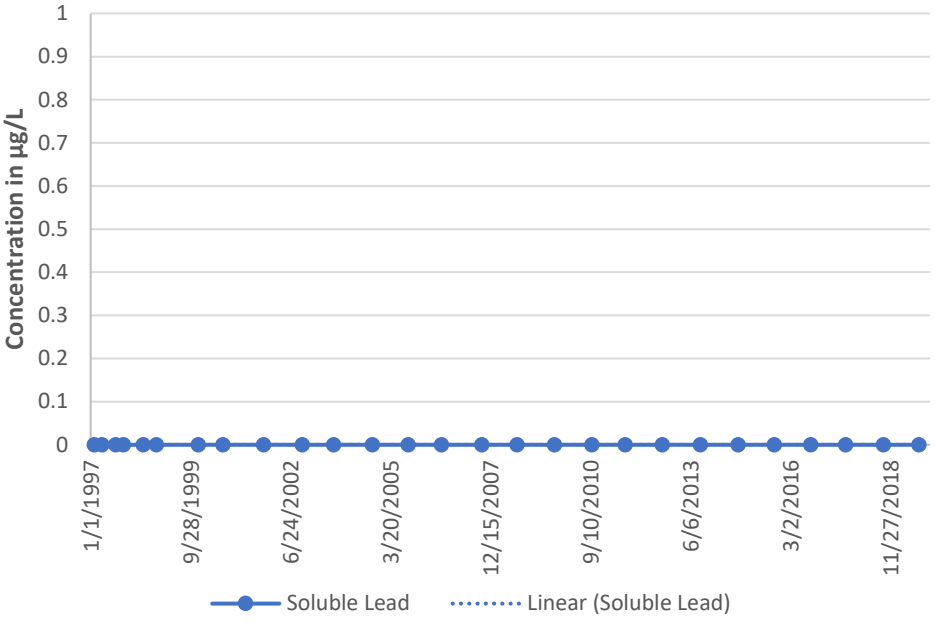


Figure 3-5a
MW-11M: Total SVOCs

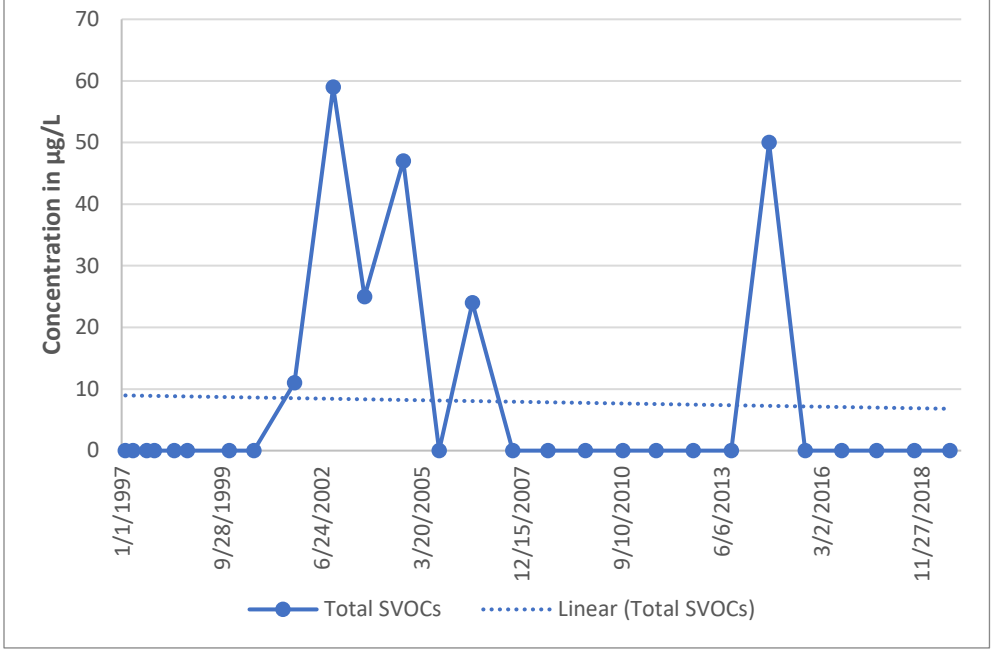


Figure 3-5b
MW-11M: Total VOCs

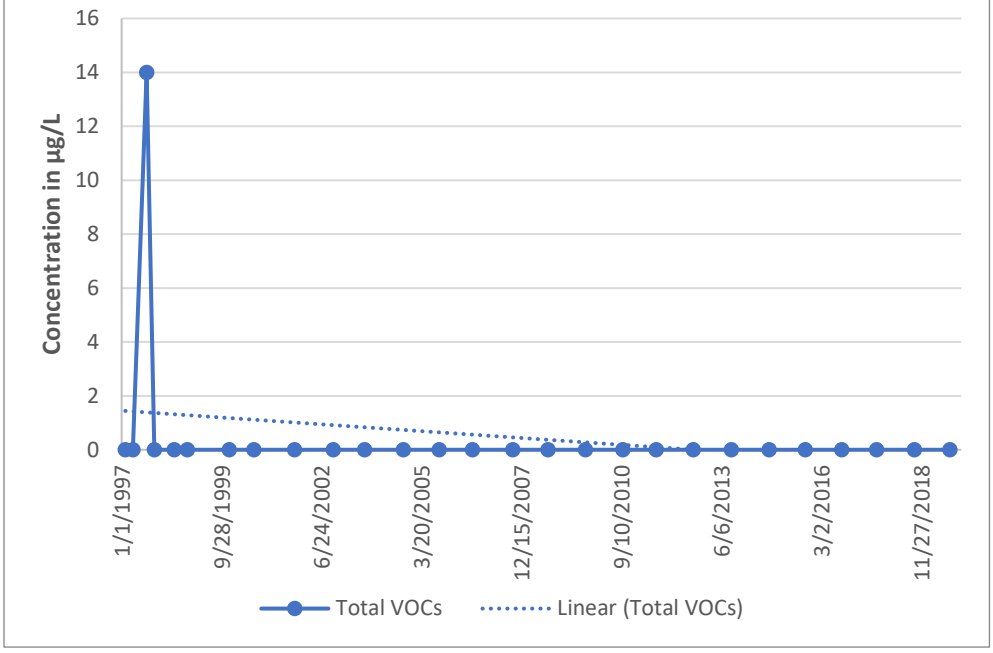


Figure 3-5c
MW-11M: TPH

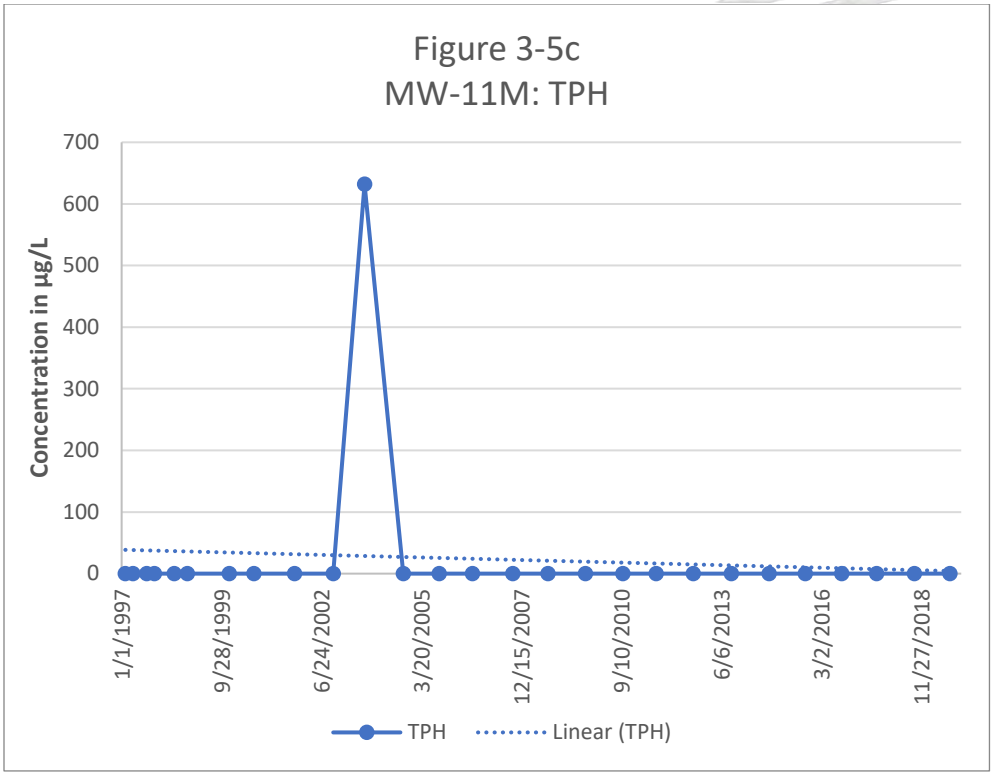


Figure 3-5d
MW-11M: Soluble Arsenic

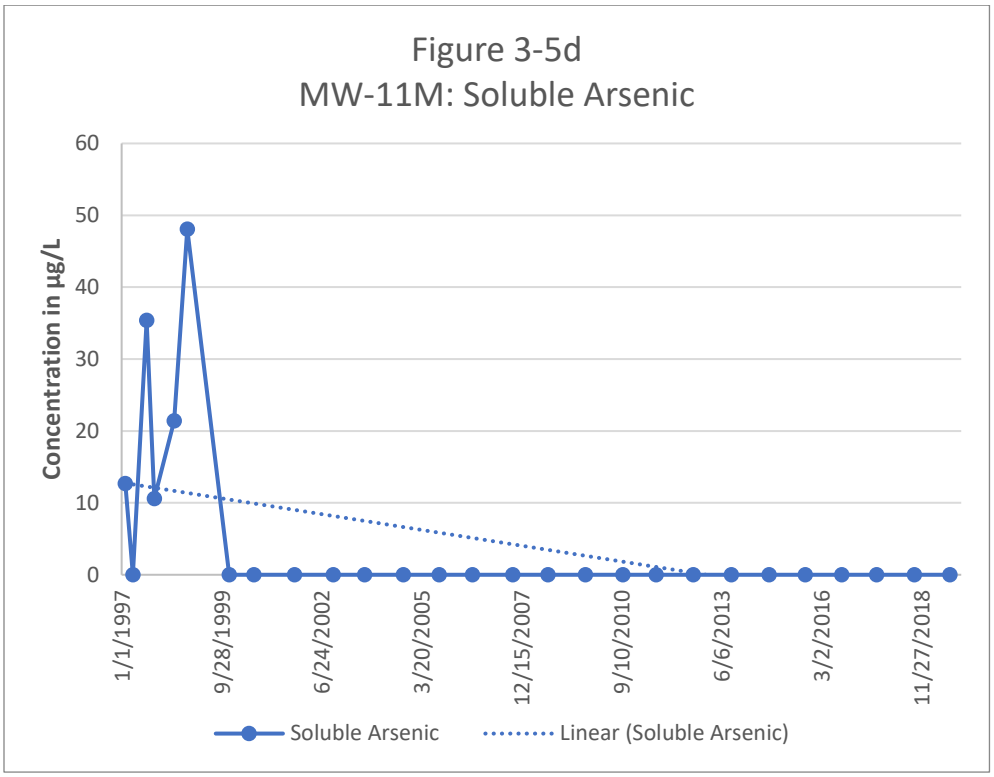


Figure 3-5e
MW-11M: Soluble Lead

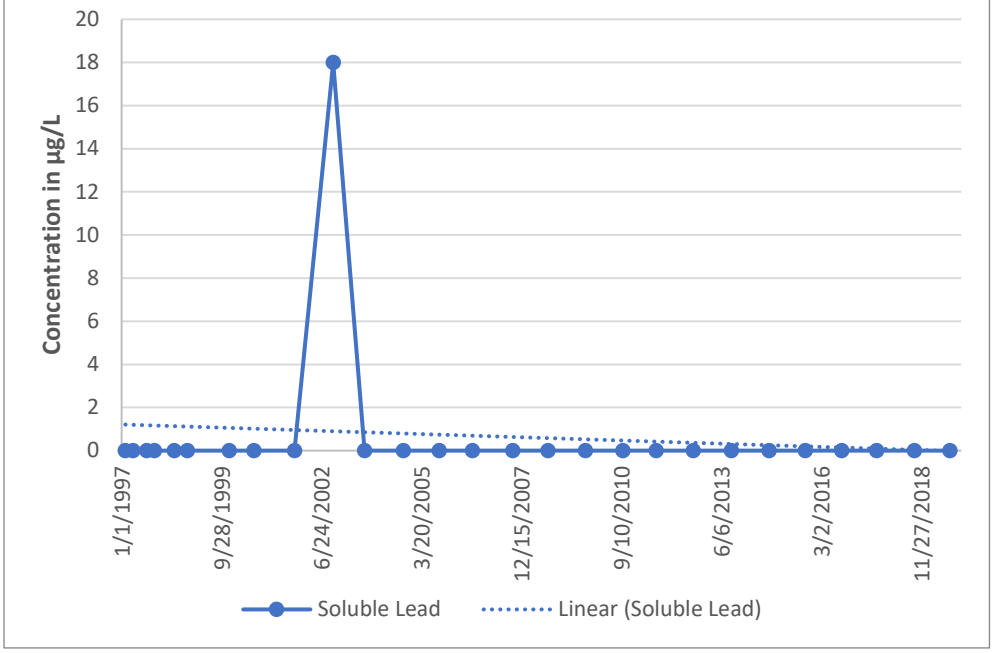


Figure 3-6a
MW-12S: Total SVOCs

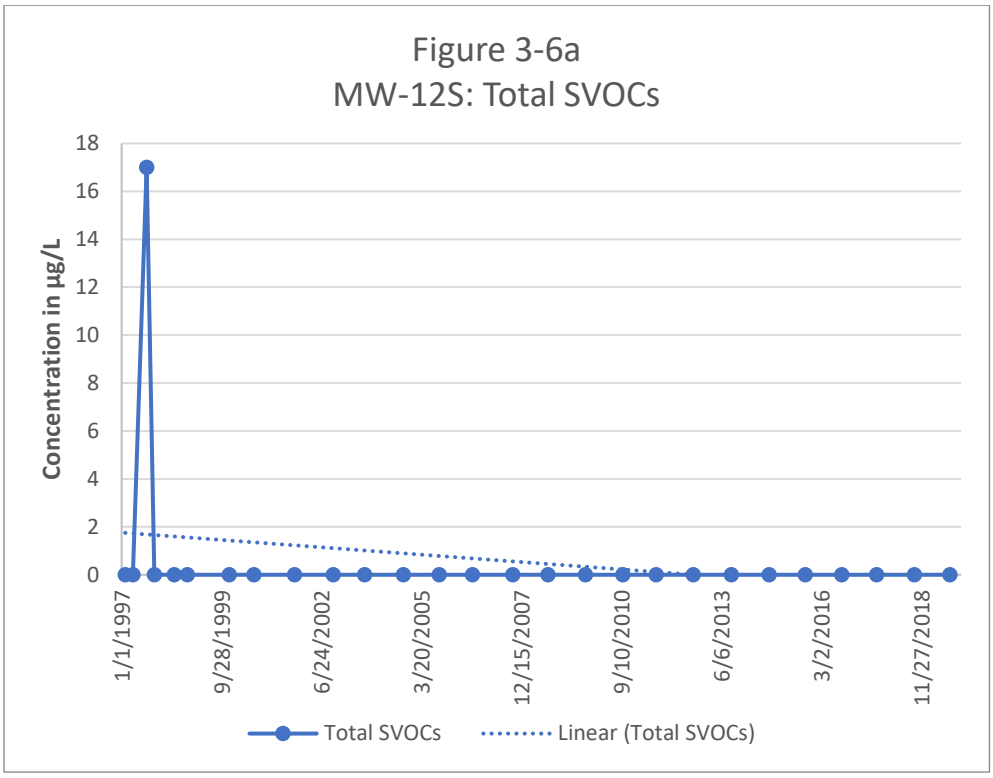


Figure 3-6b
MW-12S: Total VOCs

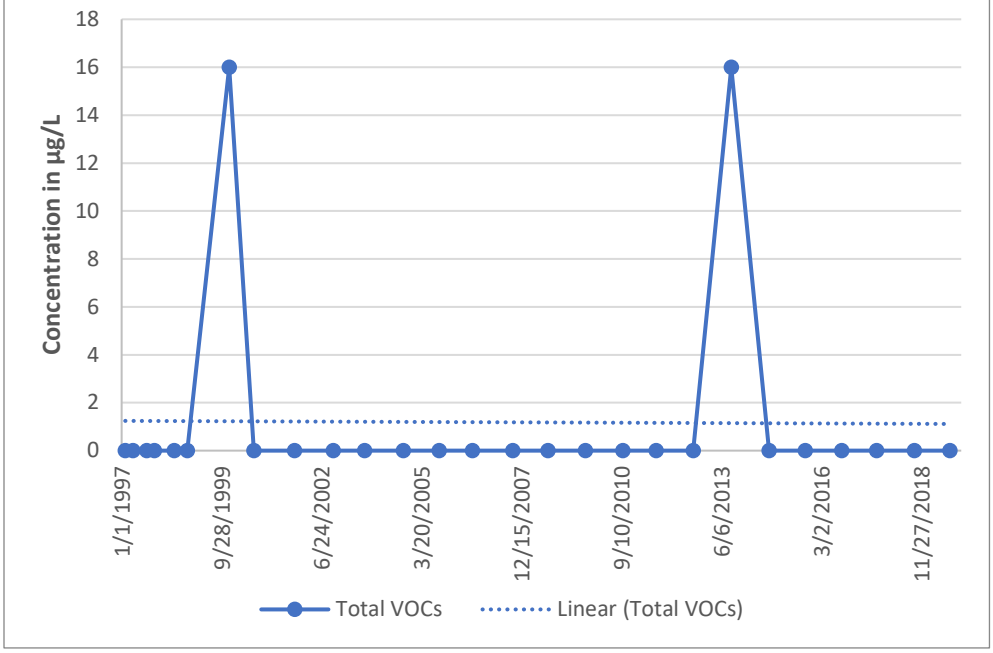


Figure 3-6c
MW-12S: TPH

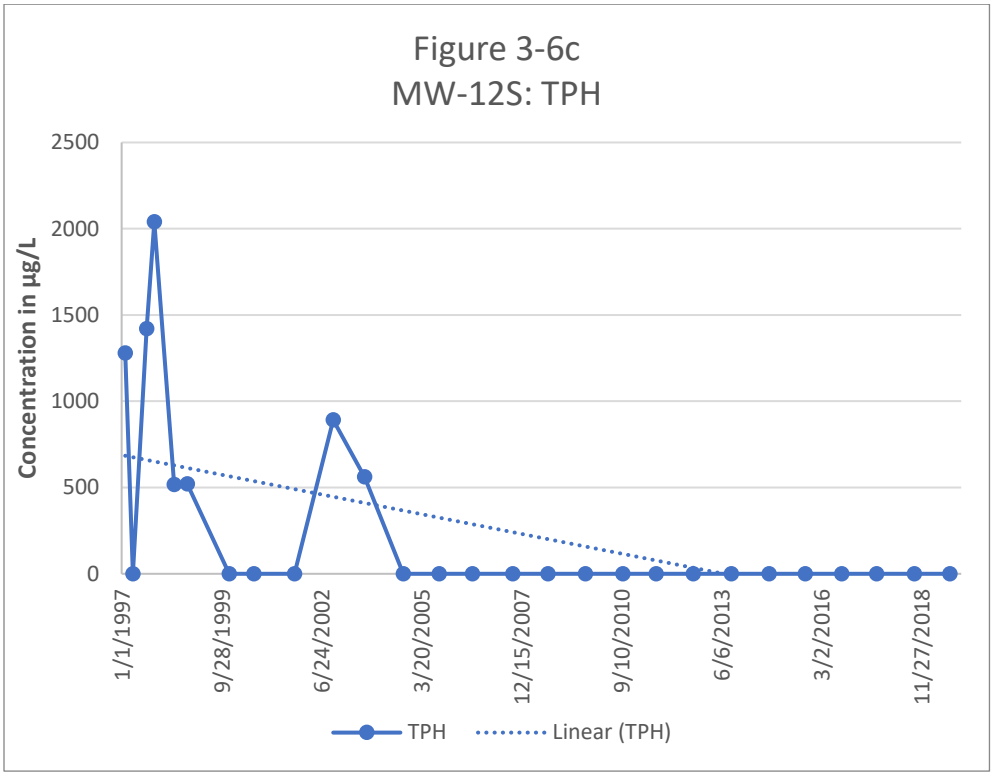


Figure 3-6d
MW-12S: Soluble Arsenic

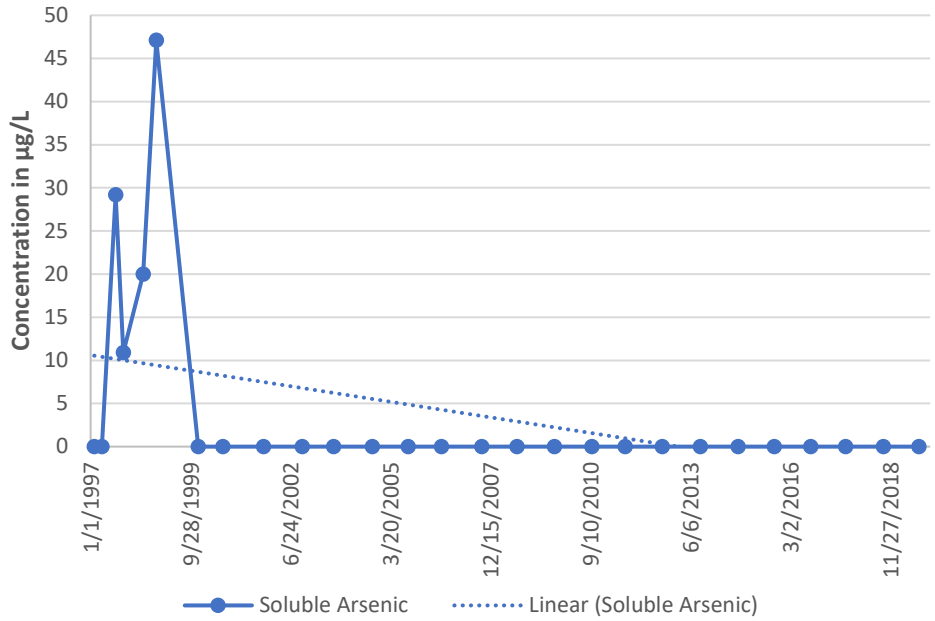


Figure 3-6e
MW-12S: Soluble Lead

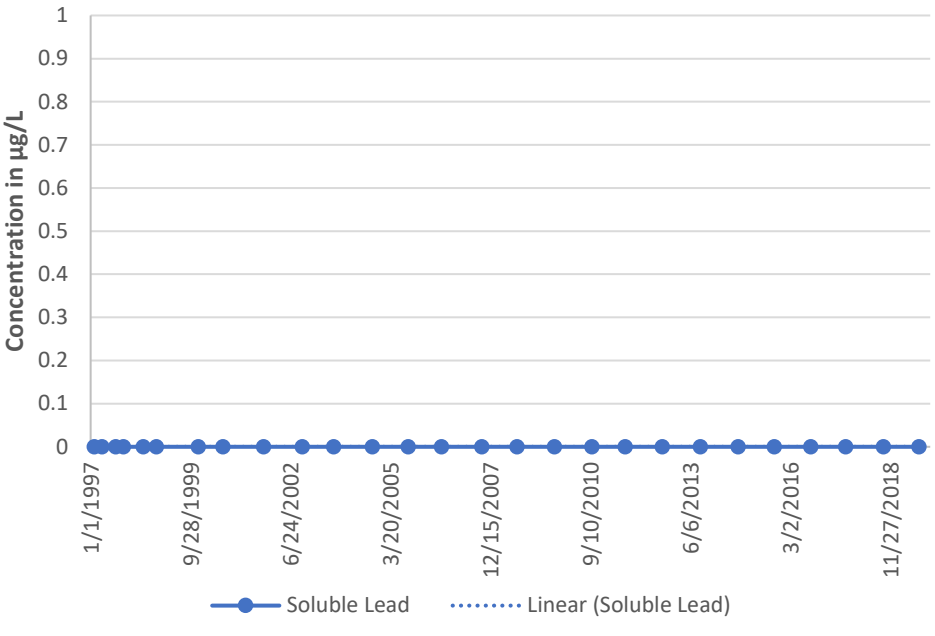


Figure 3-7a
MW-12M: Total SVOCs

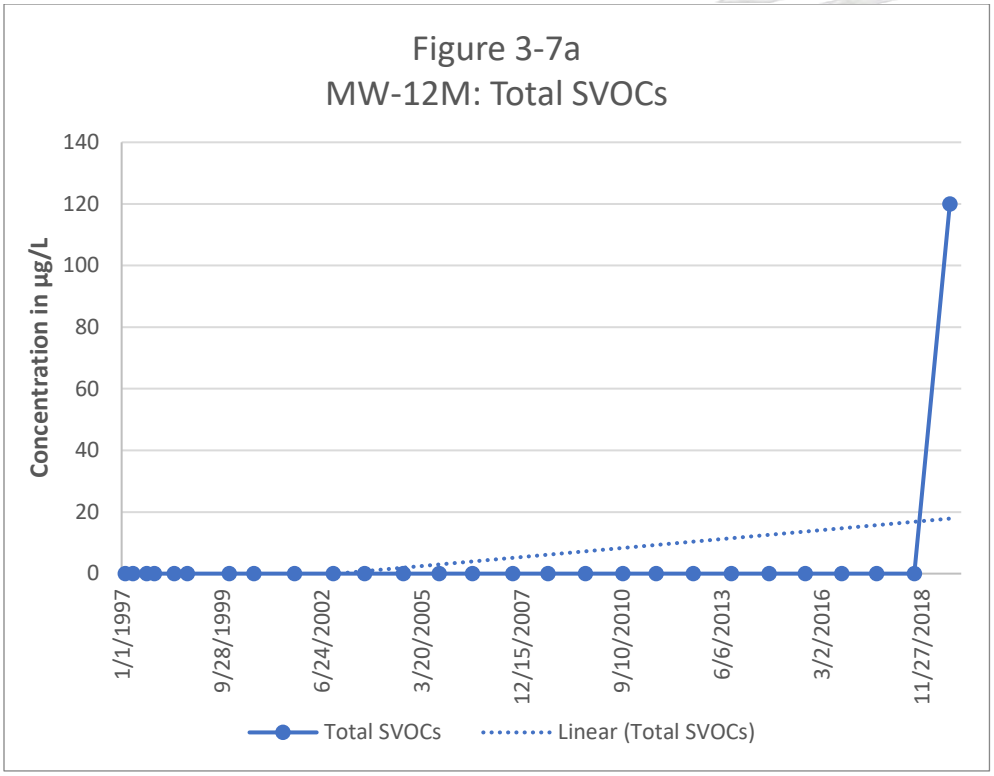


Figure 3-7b
MW-12M: Total VOCs

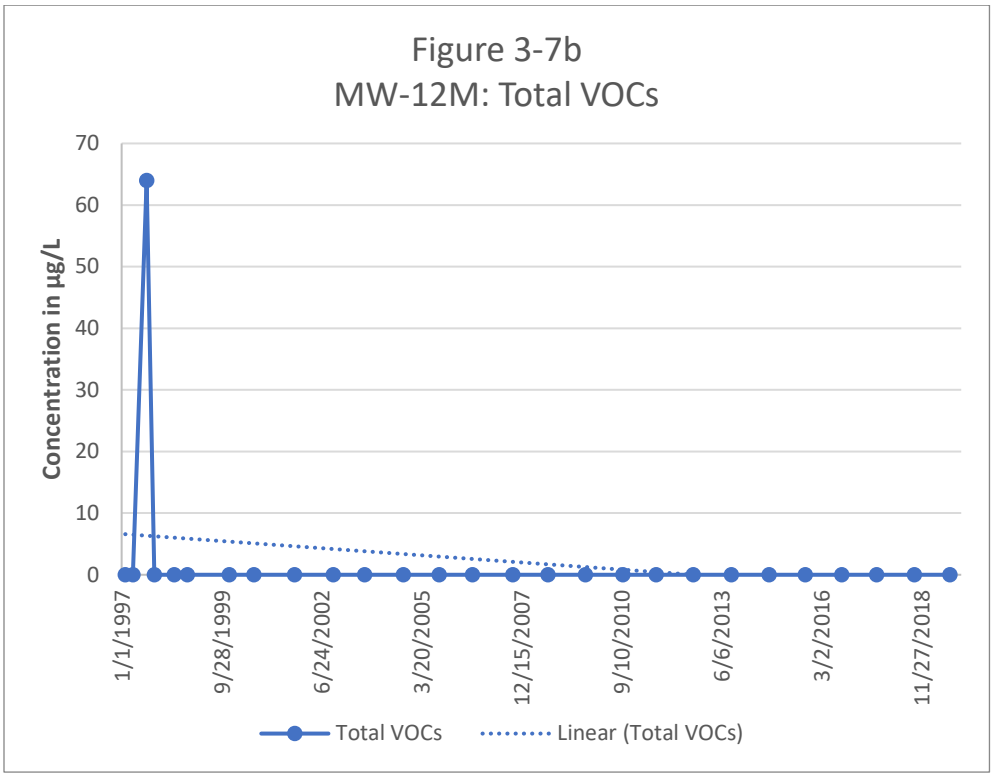


Figure 3-7c
MW-12M: TPH

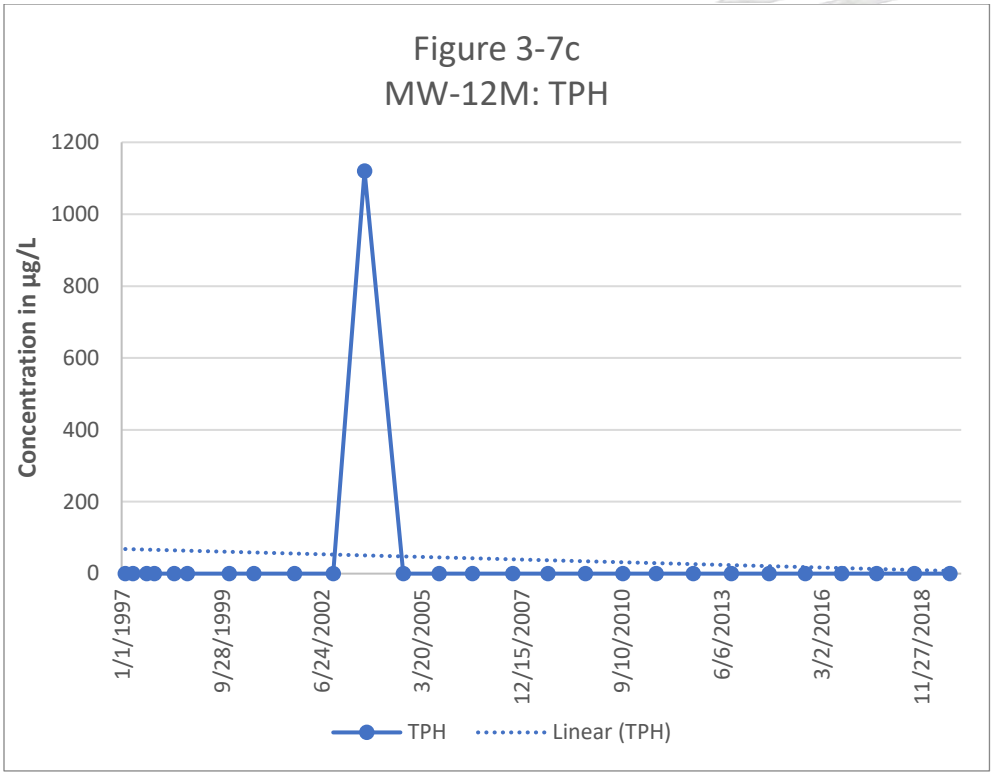


Figure 3-7d
MW-12M: Soluble Arsenic

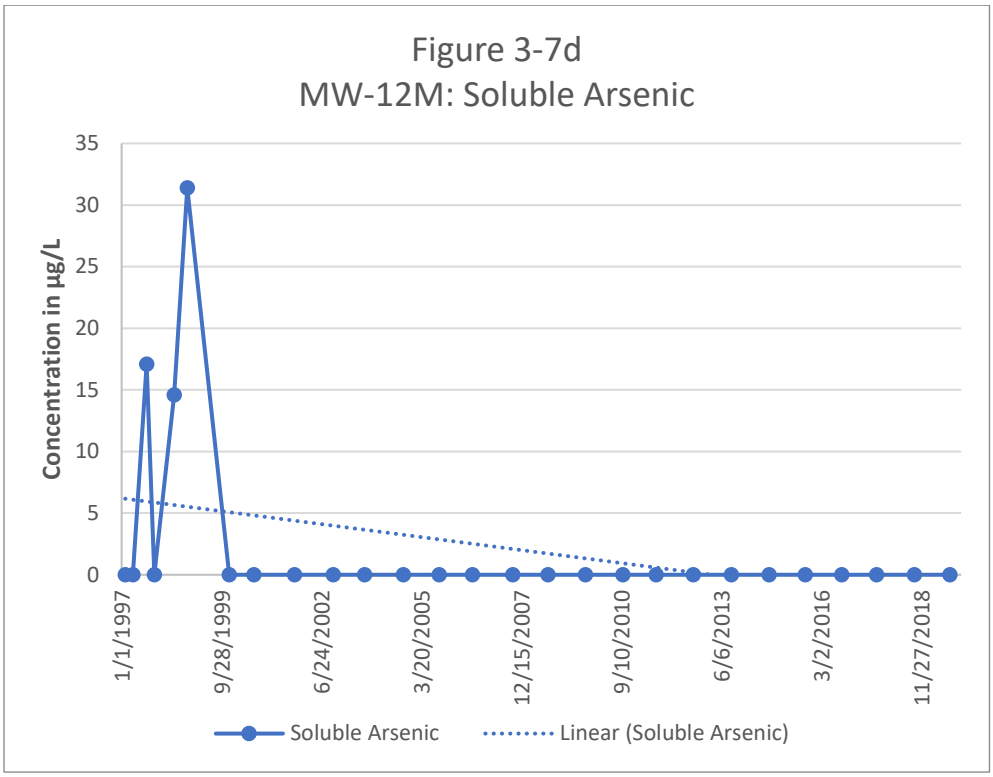


Figure 3-7e
MW-12M: Soluble Lead

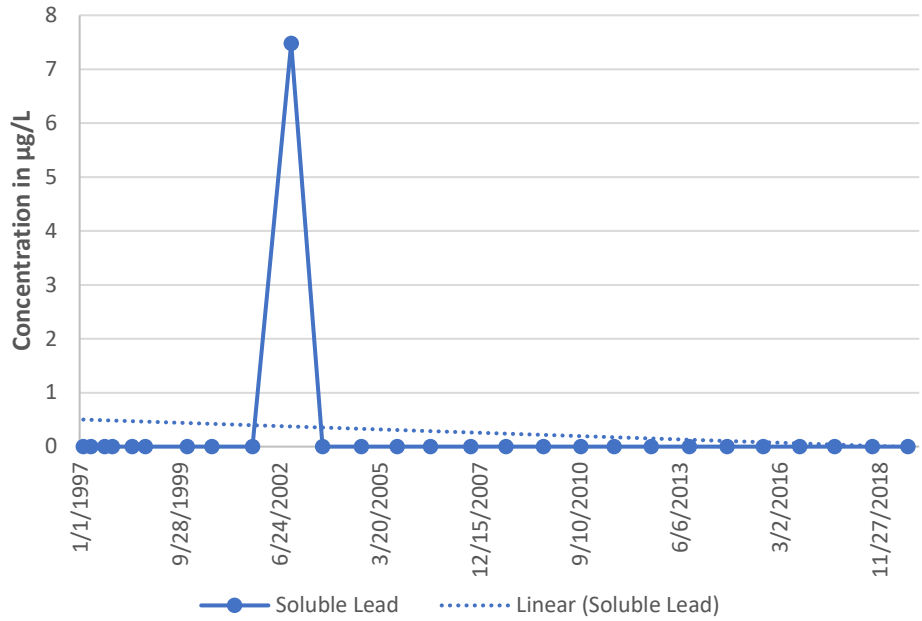


Figure 3-8a
MW-12D: Total SVOCs

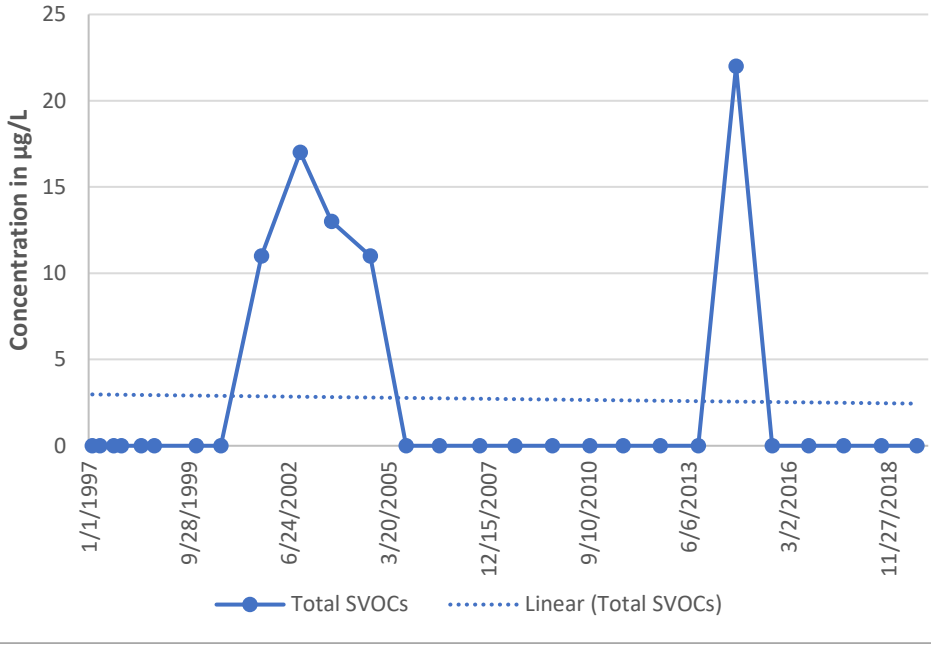


Figure 3-8b
MW-12D: Total VOCs

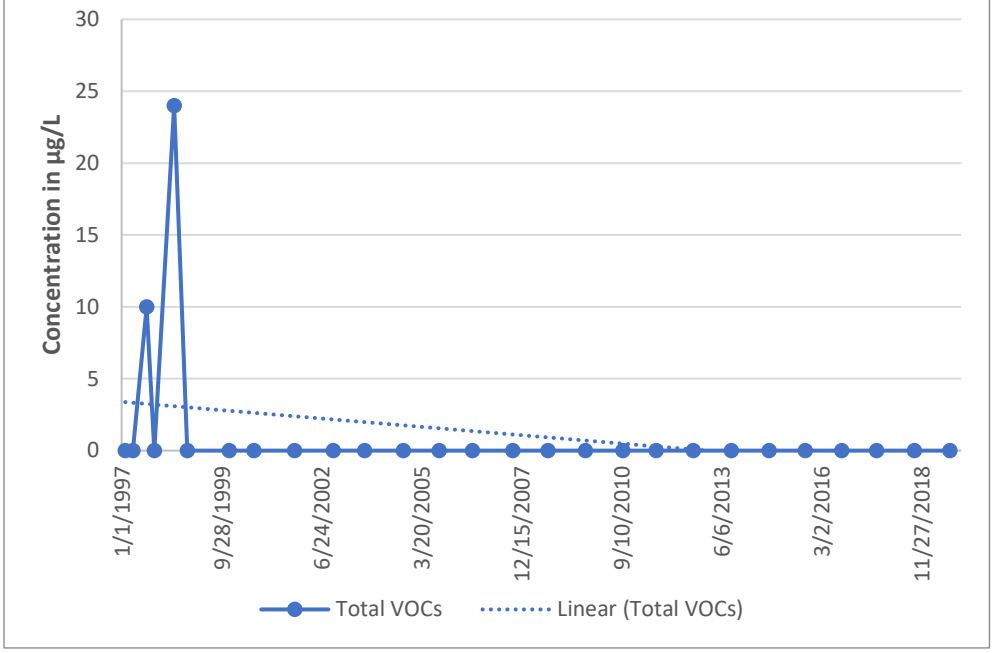


Figure 3-8c
MW-12D: TPH

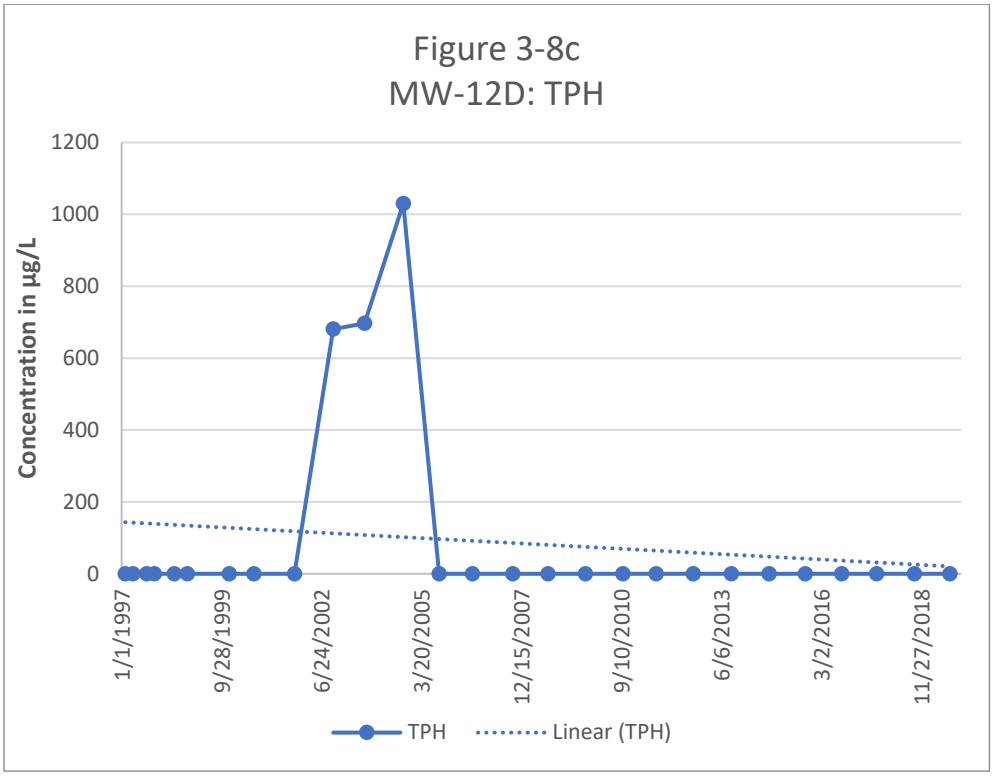


Figure 3-8d
MW-12D: Soluble Arsenic

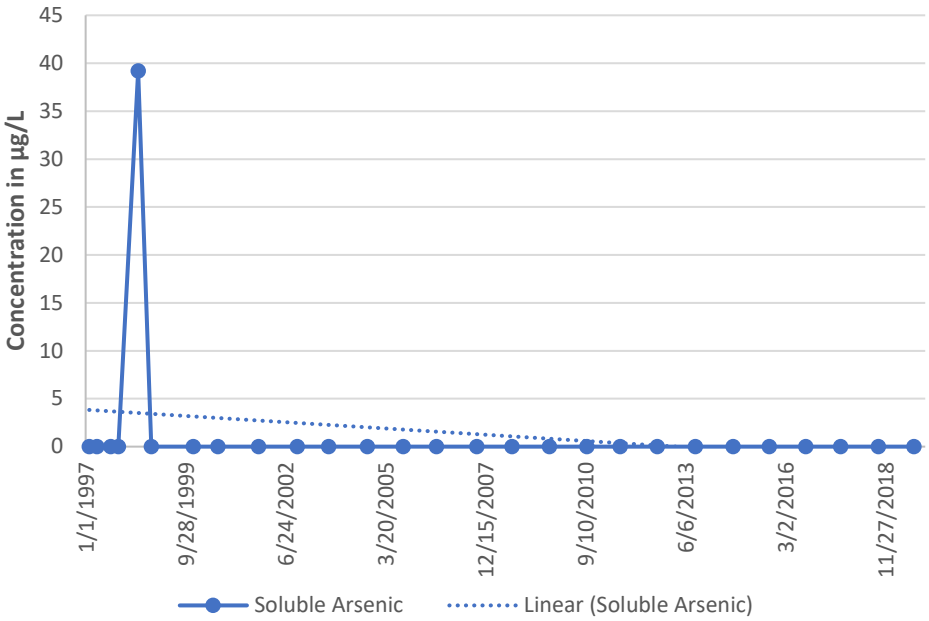


Figure 3-8e
MW-12D: Soluble Lead

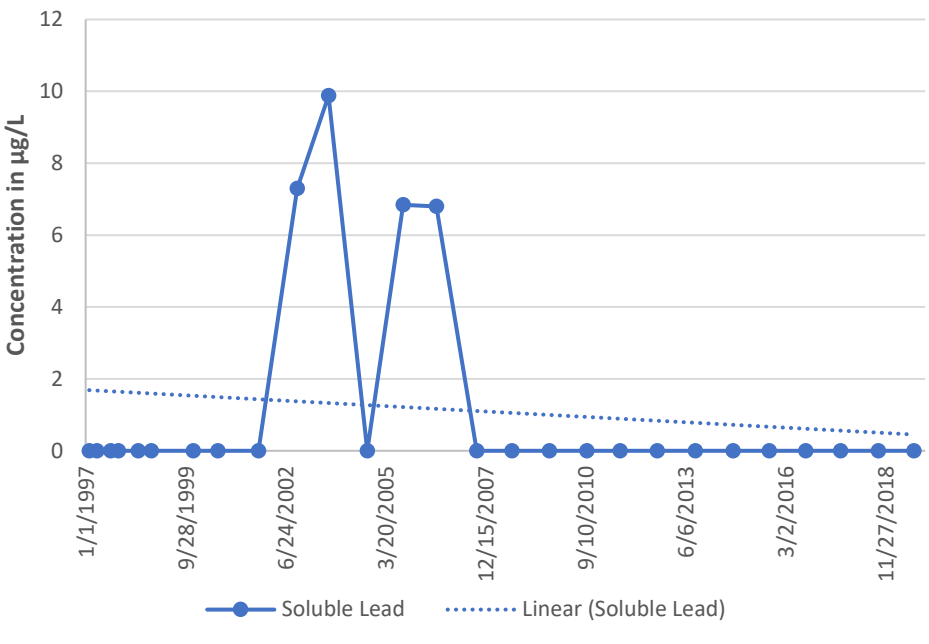


Figure 3-9a
MW-13S: Total SVOCs

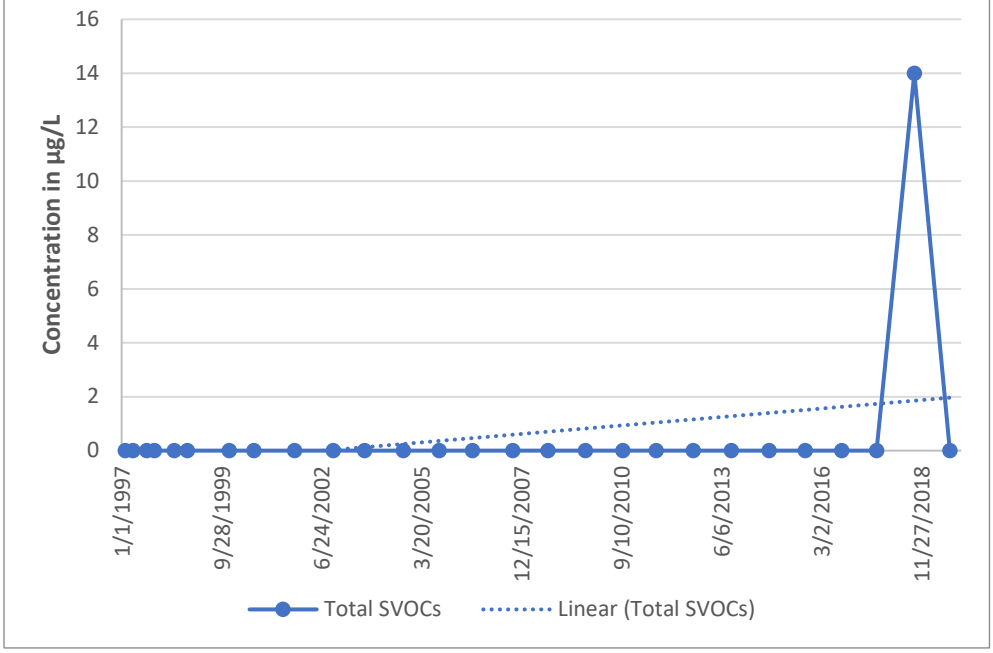


Figure 3-9b
MW-13S: Total VOCs

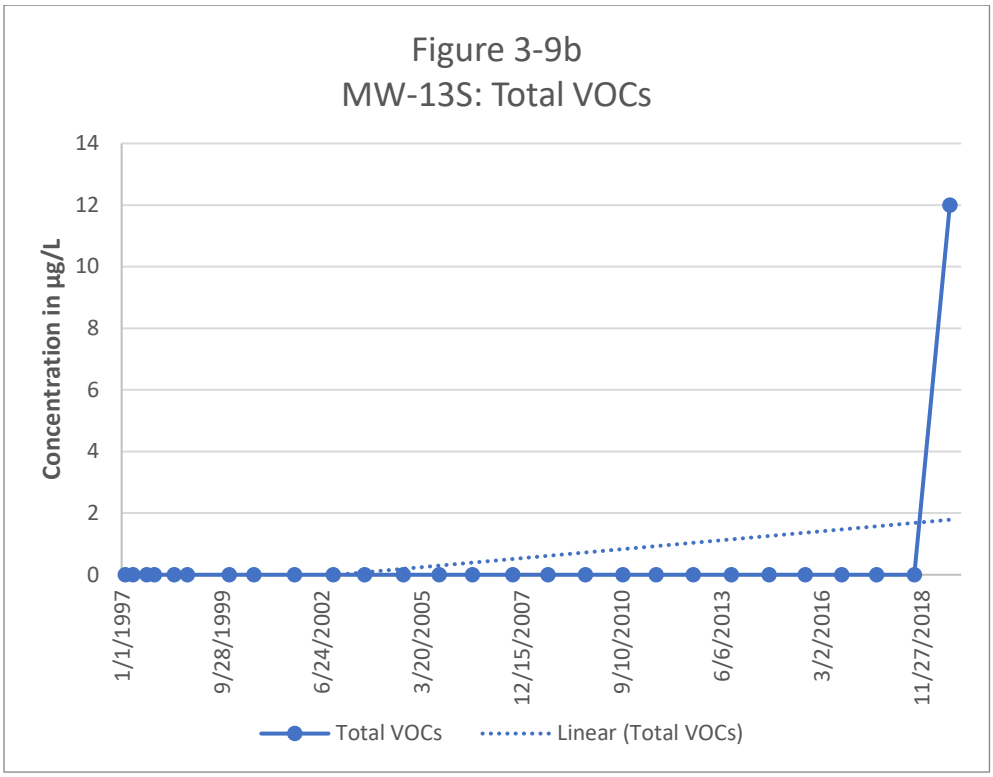


Figure 3-9c
MW-13S: TPH

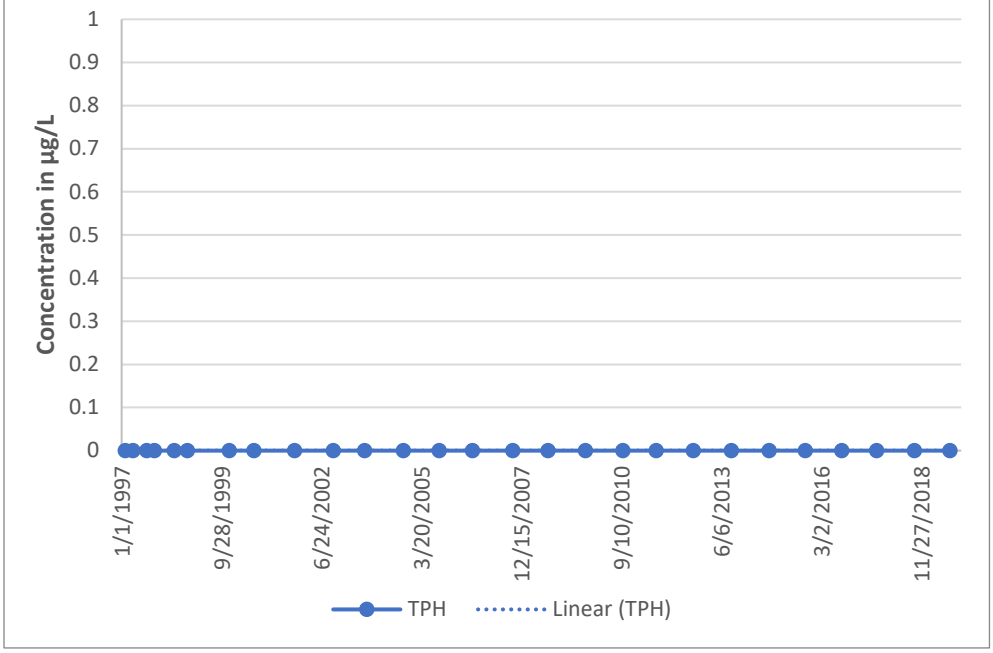


Figure 3-9d
MW-13S: Soluble Arsenic

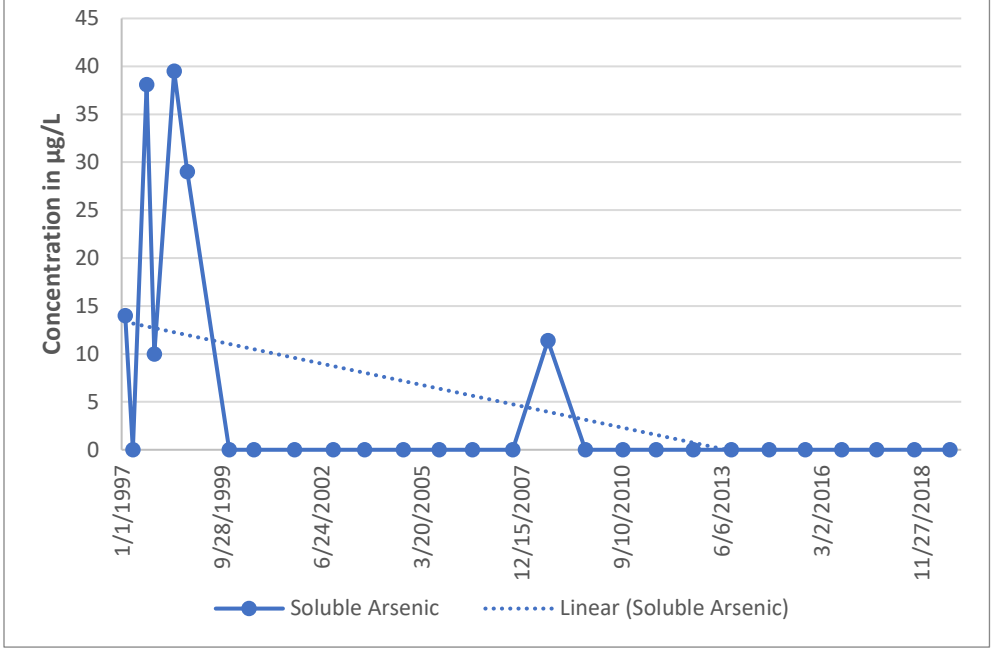


Figure 3-9e
MW-13S: Soluble Lead

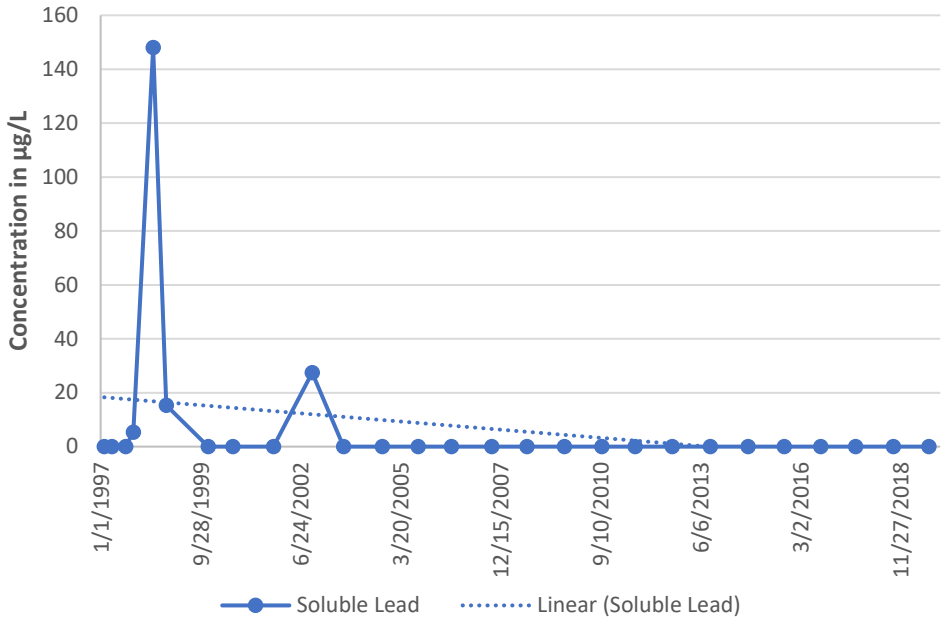


Figure 3-10a
MW-13M: Total SVOCs

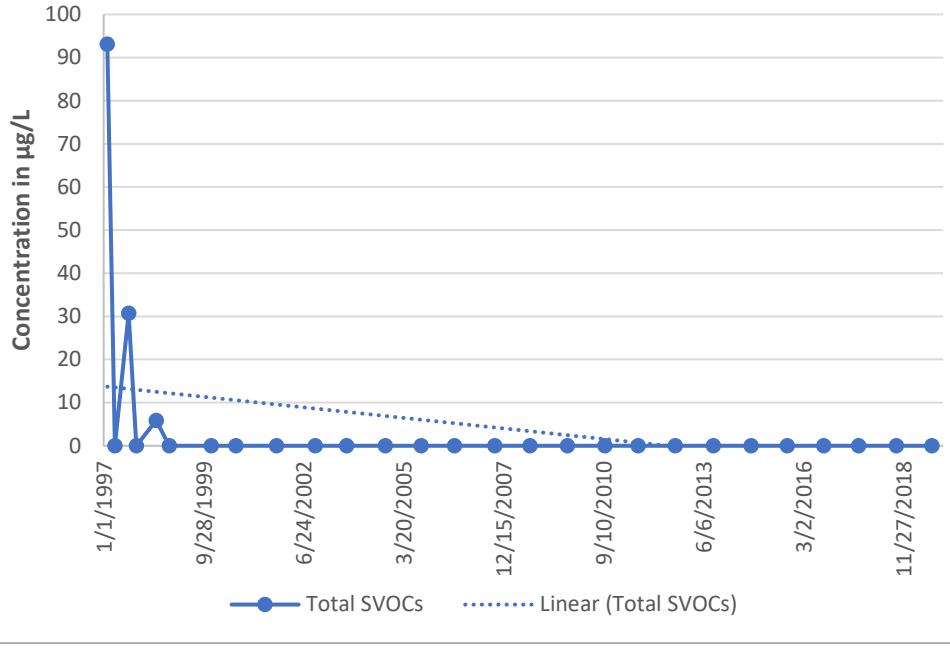


Figure 3-10b
MW-13M: Total VOCs

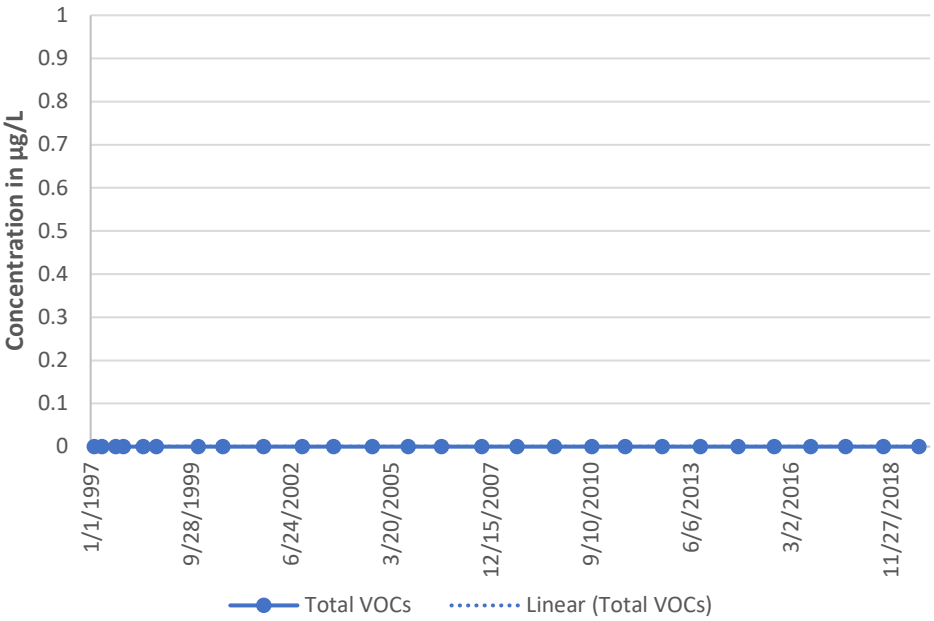


Figure 3-10c
MW-13M: TPH

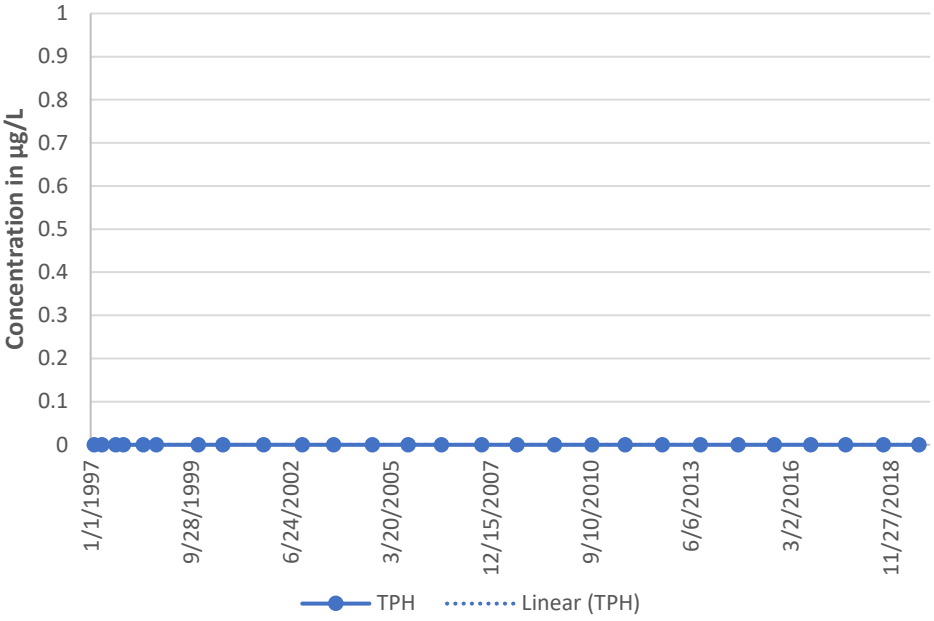


Figure 3-10d
MW-13M: Soluble Arsenic

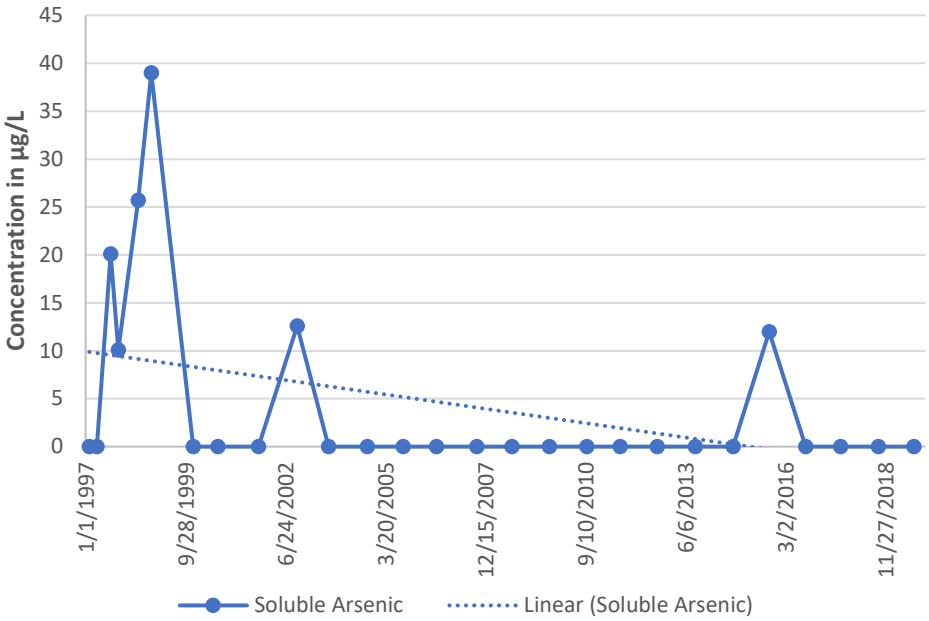


Figure 3-10e
MW-13M: Soluble Lead

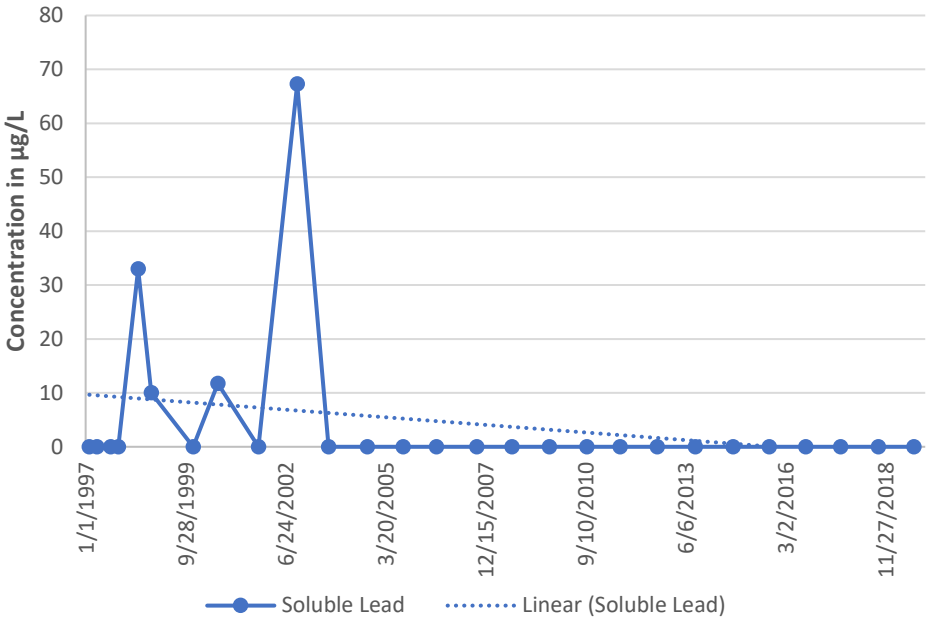


Figure 3-11a
MW-14S: Total SVOCs

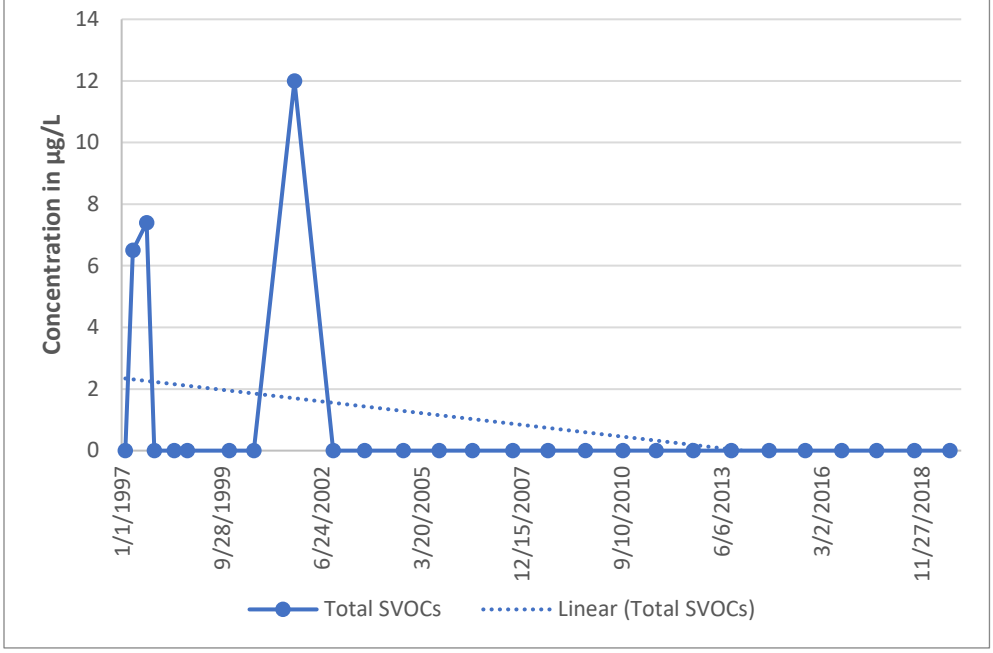


Figure 3-11b
MW-14S: Total VOCs

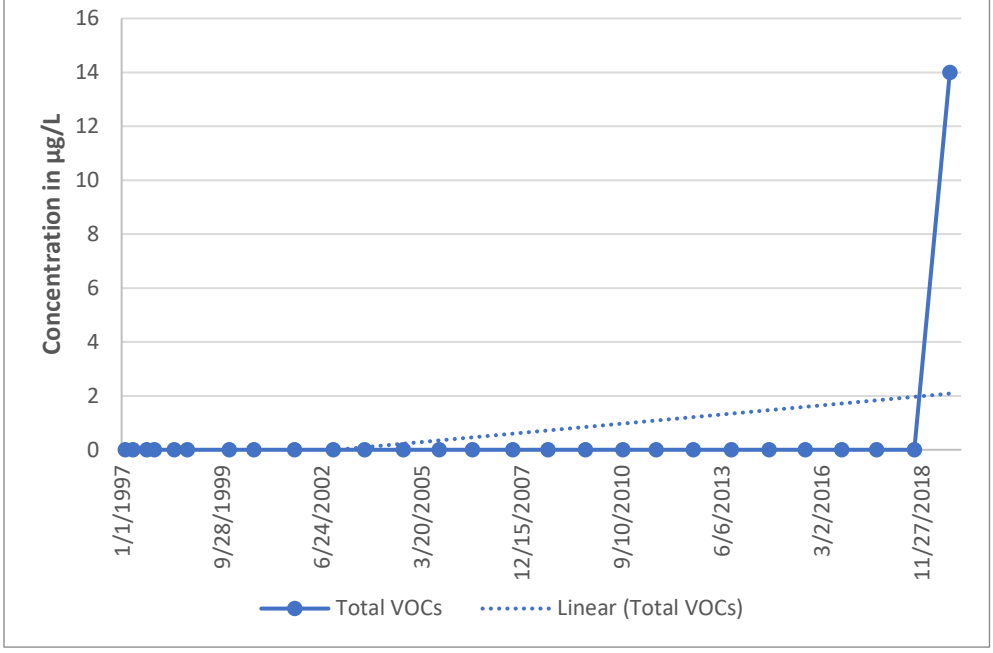


Figure 3-11c
MW-14S: TPH

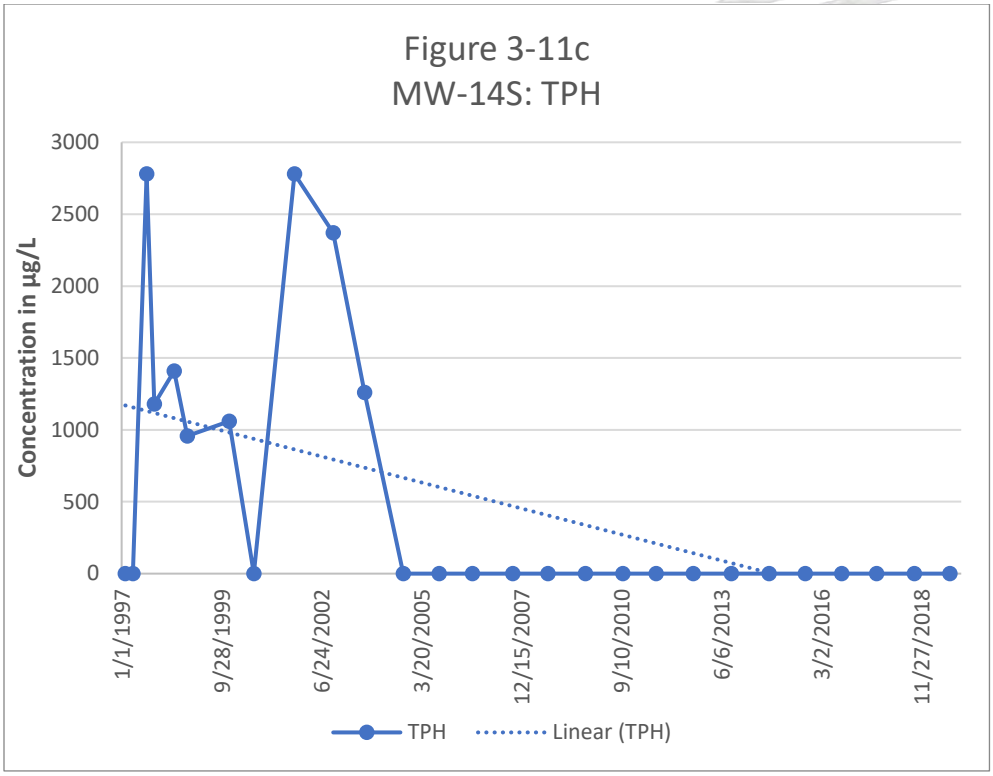
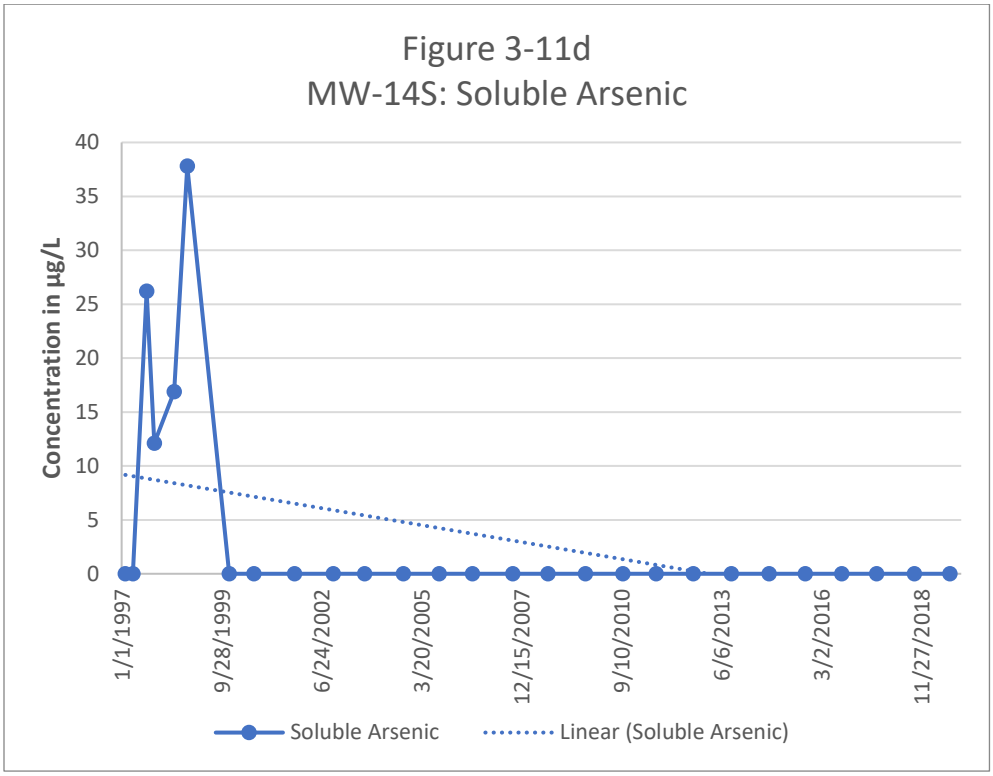


Figure 3-11d
MW-14S: Soluble Arsenic



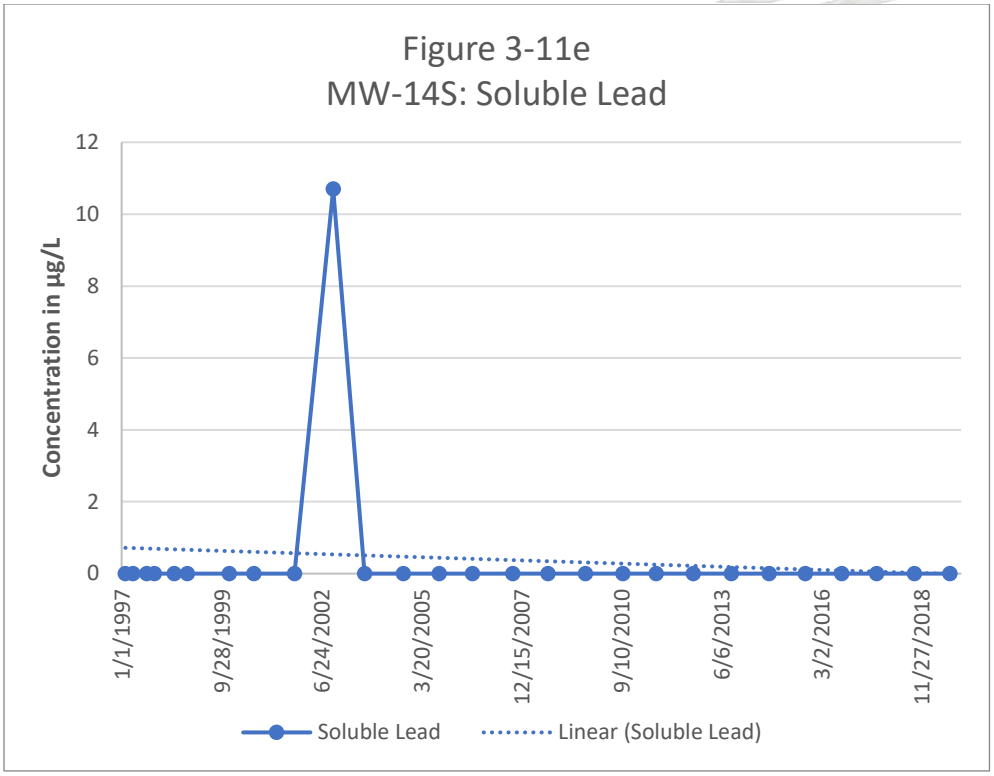
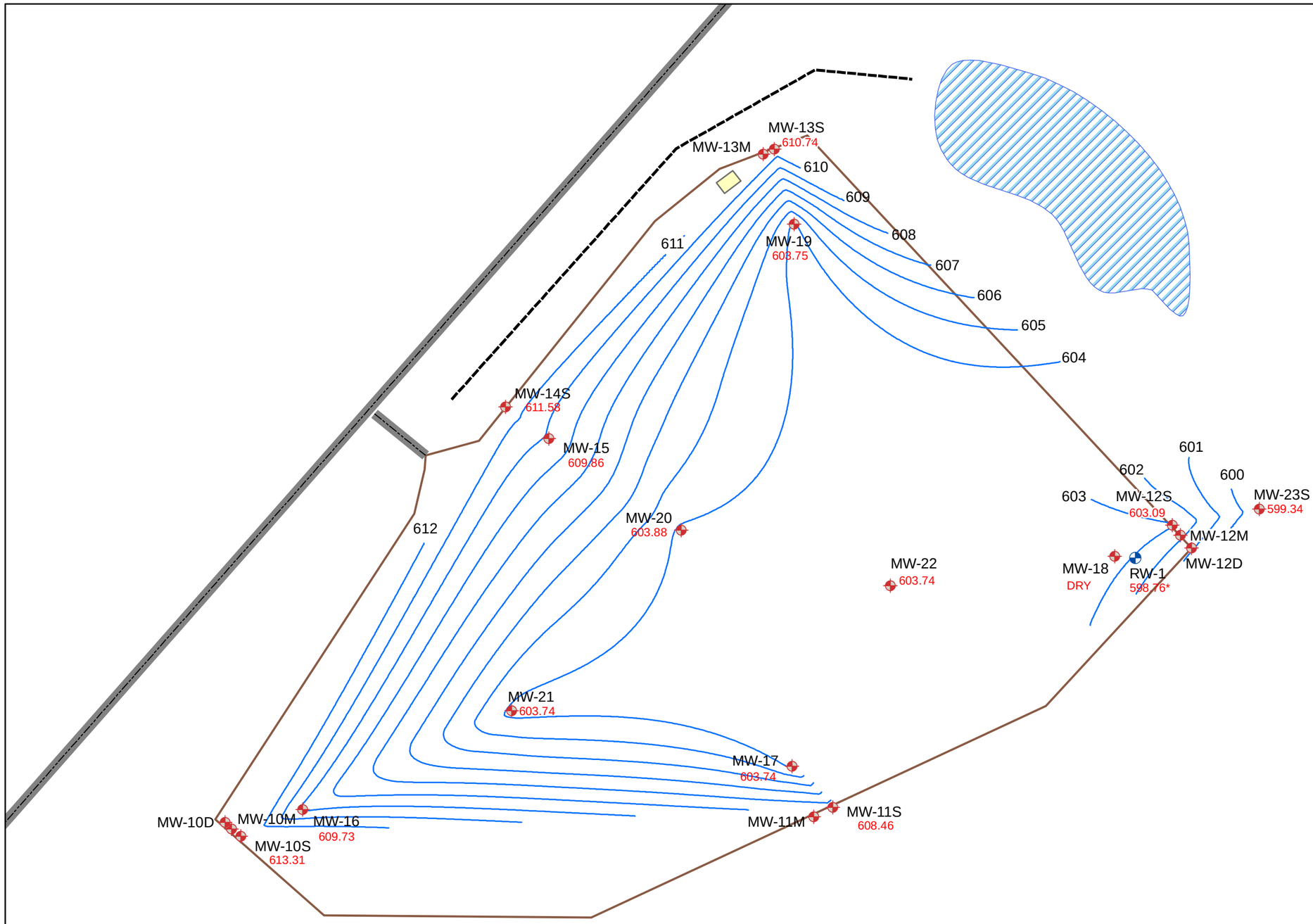


Figure 3-11e
MW-14S: Soluble Lead
Concentration in µg/L
12
10
8
6
4
2
0
1/1/1997
9/28/1999
6/24/2002
3/20/2005
12/15/2007
9/10/2010
6/6/2013
3/2/2016
11/27/2018
Soluble Lead
Linear (Soluble Lead)



Union Road- Shallow Groundwater Elevation Contour Map for August 13, 2020

Unicorn Management Consultants, LLC

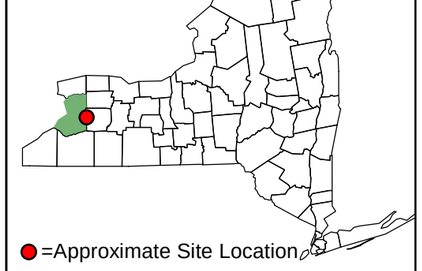
52 Federal Road
Suite 2C
Danbury, CT
06810

(203) 205-9000

Project Name: Union Road

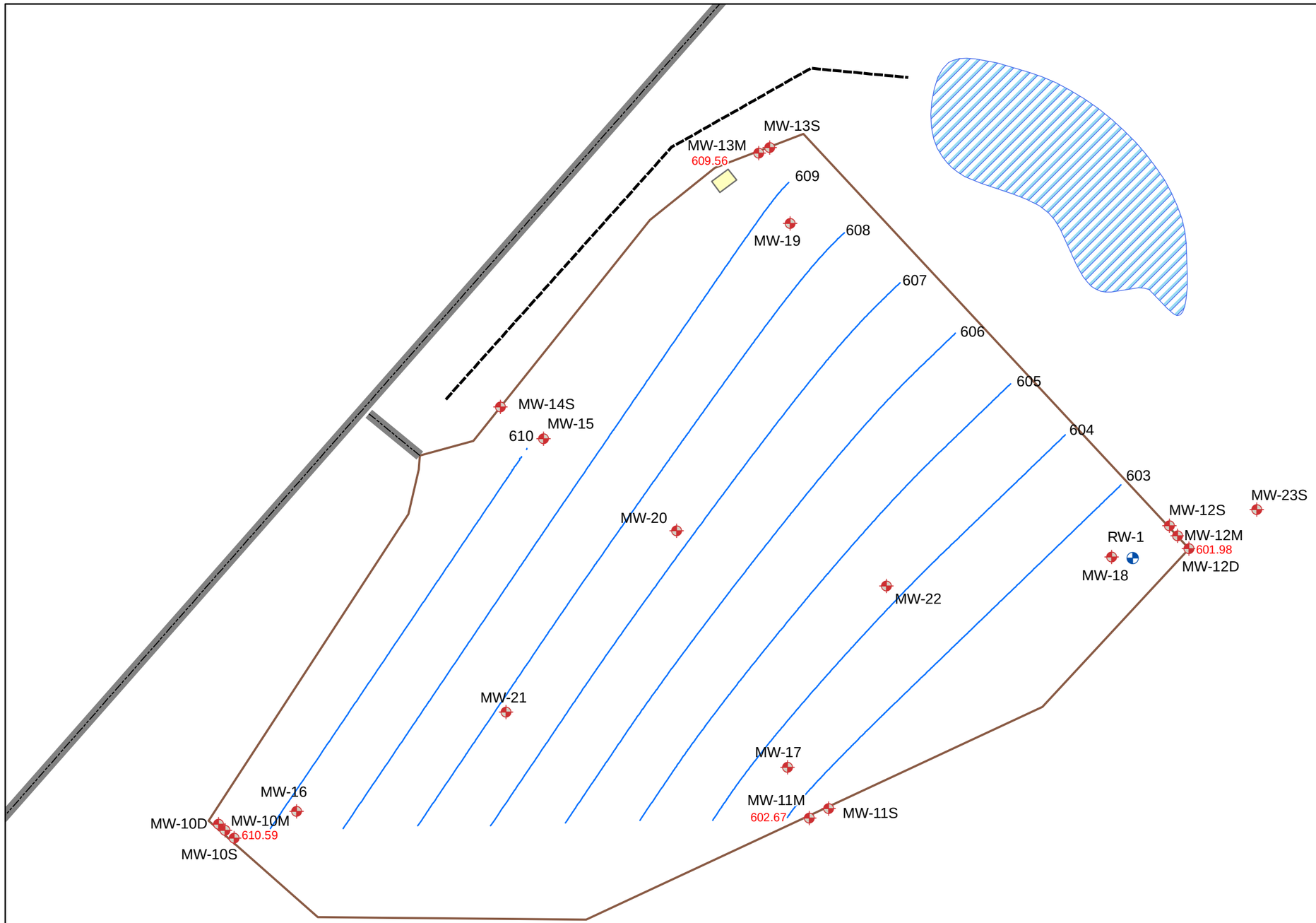
FIGURE 4-1

Author: RTM	**Checked By:** ----
Project #: 2011	**Created:** 10/10/2011
	Revised: 1/4/21
Scale: 1 in:100 ft	**File:** GWContour_S_2020



Legend

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



0 62.5 125 250 375 500 Feet

Union Road- Middle Groundwater Elevation Contour Map for August 13, 2020

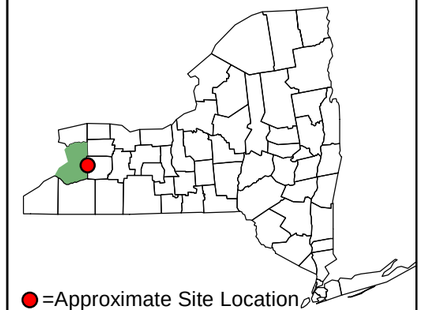
N W E S

Unicorn Management Consultants, LLC
52 Federal Road
Suite 2C
Danbury, CT
06810
(203) 205-9000

Project Name: Union Road

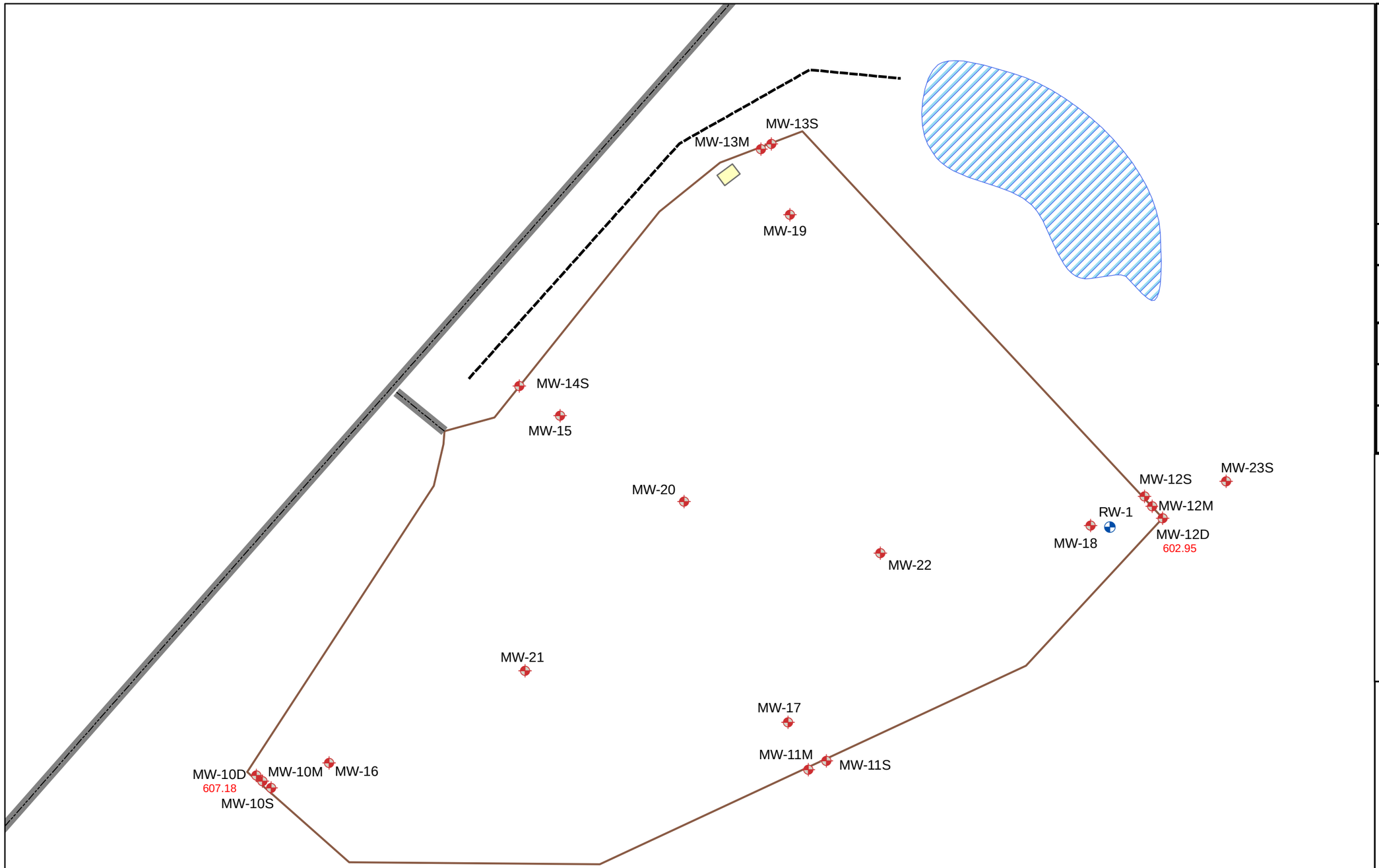
FIGURE 4-2

Author: RTM	**Checked By:** ----
Project #: 2011	**Created:** 10/10/2011
	Revised: 1/4/21
Scale: 1 in:100 ft	**File:** GWContour_M_2020



Legend

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



Union Road- Deep Groundwater Elevation Map for August 13, 2020

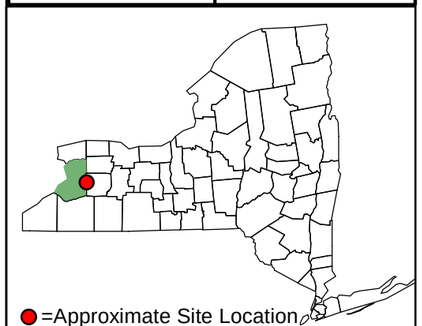
Unicorn Management Consultants, LLC
52 Federal Road
Suite 2C
Danbury, CT
06810

(203) 205-9000

Project Name: Union Road

FIGURE 4-3

Author: RTM	**Checked By:** ----
Project #: 2011	**Created:** 10/10/2011
	Revised: 1/4/20
Scale: 1 in:100 ft	**File:** GWContour_D_2020



Legend

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

TABLES

TABLE 3-1
UNION ROAD GROUNDWATER MONITORING REPORT
CLOSURE YEAR 24 (2020)

Unicorn Management Consultants, LLC

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

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-2
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2019

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

			Well ID	MW-10S														
			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
Analyte	CAS No.	NYS Water Quality Standard	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-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	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

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-2
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2019

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

Unicorn Management Consultants, LLC

			Well ID	MW-105										
			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
Analyte	CAS No.	NYS Water Quality Standard	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
acenapthene	83-32-9		20	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
anthracene	120-12-7		50	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
benzo(a)pyrene	50-32-8	>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
benzo(g,h,i)perylene	191-24-2	NR	NR	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
benzyl alcohol	100-51-6	NR	NR	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
di-n-butylphthalate	84-74-2	50		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
indeno(1,2,3-cd)pyrene	193-39-5		0.002	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
bis(-2-chloroethoxy)methane	111-91-1	5		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
2-chloronapthalene	91-85-7		10	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
2,2'-oxybis(1-chloropropane)	108-60-1	5		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
dibenzo(a,h)anthracene	55-70-3	NR	NR	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
1,2-dichlorobenzene	95-50-1	3		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
1,4-dichlorobenzene	106-46-7	3		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
2,4-dichlorophenol	120-83-2	5		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
dimethyl phthalate	131-11-3		50	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
2,4-dinitrophenol	51-28-5		10	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
2,6-dinitrotoluene	606-20-2	5		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
fluoranthene	206-44-0		50	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
hexachlorobenzene	118-74-1	0.04		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
hexachlorocyclopentadiene	77-47-4	5		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
isophorone	78-59-1		50	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
2-methylphenol	95-48-7	1†		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
4-chloro-3-methylphenol	59-50-7	1†		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
napthalene	91-20-3		10	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
3-nitroaniline	99-09-2	5		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
nitrobenzene	98-95-3	0.4		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
4-nitrophenol	100-02-7	1†		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
n-nitrosodiphenylamine	86-30-6		50	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
pentachlorophenol	87-86-5	1†		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
phenol	108-95-2	1†		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
4-chlorophenyl-phenylether	7005-72-3	NR	NR	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
pyrene	129-00-0		50	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
2,4,5-trichlorophenol	95-95-4	1†		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
Toal SVOCs				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

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-2
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2019

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

			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	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
Analyte	CAS No.	NYS Water Quality Standard	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	10	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	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

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-2
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2019

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

			Well ID	MW-10M										
			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
Analyte	CAS No.	NYS Water Quality Standard	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
acenapthene	83-32-9		20	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
anthracene	120-12-7		50	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
benzo(a)pyrene	50-32-8	>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
benzo(g,h,i)perylene	191-24-2	NR	NR	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
benzyl alcohol	100-51-6	NR	NR	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
di-n-butylphthalate	84-74-2	50		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
indeno(1,2,3-cd)pyrene	193-39-5		0.002	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
bis(-2-chloroethoxy)methane	111-91-1	5		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
2-chloronapthalene	91-85-7		10	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
2,2'-oxybis(1-chloropropane)	108-60-1	5		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
dibenzo(a,h)anthracene	55-70-3	NR	NR	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
1,2-dichlorobenzene	95-50-1	3		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
1,4-dichlorobenzene	106-46-7	3		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
2,4-dichlorophenol	120-83-2	5		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
dimethyl phthalate	131-11-3		50	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
2,4-dinitrophenol	51-28-5		10	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
2,6-dinitrotoluene	606-20-2	5		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
fluoranthene	206-44-0		50	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
hexachlorobenzene	118-74-1	0.04		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
hexachlorocyclopentadiene	77-47-4	5		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
isophorone	78-59-1		50	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
2-methylphenol	95-48-7	1†		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
4-chloro-3-methylphenol	59-50-7	1†		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
napthalene	91-20-3		10	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
3-nitroaniline	99-09-2	5		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
nitrobenzene	98-95-3	0.4		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
4-nitrophenol	100-02-7	1†		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
n-nitrosodiphenylamine	86-30-6		50	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
pentachlorophenol	87-86-5	1†		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
phenol	108-95-2	1†		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
4-chlorophenyl-phenylether	7005-72-3	NR	NR	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
pyrene	129-00-0		50	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
2,4,5-trichlorophenol	95-95-4	1†		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
Toal SVOCs				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
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Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-2
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2019

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

			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
Analyte	CAS No.	NYS Water Quality Standard	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-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				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

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-2
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2019

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

			Well ID	MW-10D										
			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
Analyte	CAS No.	NYS Water Quality Standard	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
acenapthene	83-32-9		20	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
anthracene	120-12-7		50	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
benzo(a)pyrene	50-32-8	>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
benzo(g,h,i)perylene	191-24-2	NR	NR	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
benzyl alcohol	100-51-6	NR	NR	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
di-n-butylphthalate	84-74-2	50		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
indeno(1,2,3-cd)pyrene	193-39-5		0.002	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
bis(-2-chloroethoxy)methane	111-91-1	5		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
2-chloronapthalene	91-85-7		10	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
2,2'-oxybis(1-chloropropane)	108-60-1	5		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
dibenzo(a,h)anthracene	55-70-3	NR	NR	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
1,2-dichlorobenzene	95-50-1	3		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
1,4-dichlorobenzene	106-46-7	3		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
2,4-dichlorophenol	120-83-2	5		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
dimethyl phthalate	131-11-3		50	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
2,4-dinitrophenol	51-28-5		10	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
2,6-dinitrotoluene	606-20-2	5		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
fluoranthene	206-44-0		50	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
hexachlorobenzene	118-74-1	0.04		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
hexachlorocyclopentadiene	77-47-4	5		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
isophorone	78-59-1		50	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
2-methylphenol	95-48-7	1†		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
4-chloro-3-methylphenol	59-50-7	1†		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
napthalene	91-20-3		10	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
3-nitroaniline	99-09-2	5		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
nitrobenzene	98-95-3	0.4		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
4-nitrophenol	100-02-7	1†		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
n-nitrosodiphenylamine	86-30-6		50	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
pentachlorophenol	87-86-5	1†		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
phenol	108-95-2	1†		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
4-chlorophenyl-phenylether	7005-72-3	NR	NR	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
pyrene	129-00-0		50	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
2,4,5-trichlorophenol	95-95-4	1†		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
Toal SVOCs				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

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-2
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2019

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

			Well ID	MW-11S														
			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
Analyte	CAS No.	NYS Water Quality Standard	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-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	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

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-2
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2019

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

			Well ID	MW-11S										
			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
Analyte	CAS No.	NYS Water Quality Standard	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
acenapthene	83-32-9		20	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
anthracene	120-12-7		50	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
benzo(a)pyrene	50-32-8	>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
benzo(g,h,i)perylene	191-24-2	NR	NR	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
benzyl alcohol	100-51-6	NR	NR	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
di-n-butylphthalate	84-74-2	50		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
indeno(1,2,3-cd)pyrene	193-39-5		0.002	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
bis(-2-chloroethoxy)methane	111-91-1	5		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
2-chloronapthalene	91-85-7		10	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
2,2'-oxybis(1-chloropropane)	108-60-1	5		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
dibenzo(a,h)anthracene	55-70-3	NR	NR	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
1,2-dichlorobenzene	95-50-1	3		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
1,4-dichlorobenzene	106-46-7	3		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
2,4-dichlorophenol	120-83-2	5		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
dimethyl phthalate	131-11-3		50	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
2,4-dinitrophenol	51-28-5		10	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
2,6-dinitrotoluene	606-20-2	5		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
fluoranthene	206-44-0		50	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
hexachlorobenzene	118-74-1	0.04		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
hexachlorocyclopentadiene	77-47-4	5		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
isophorone	78-59-1		50	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
2-methylphenol	95-48-7	1†		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
4-chloro-3-methylphenol	59-50-7	1†		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
napthalene	91-20-3		10	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
3-nitroaniline	99-09-2	5		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
nitrobenzene	98-95-3	0.4		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
4-nitrophenol	100-02-7	1†		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
n-nitrosodiphenylamine	86-30-6		50	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
pentachlorophenol	87-86-5	1†		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
phenol	108-95-2	1†		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
4-chlorophenyl-phenylether	7005-72-3	NR	NR	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
pyrene	129-00-0		50	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
2,4,5-trichlorophenol	95-95-4	1†		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
Toal SVOCs				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

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-2
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2019

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

			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	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
Analyte	CAS No.	NYS Water Quality Standard	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-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	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

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-2
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2019

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

			Well ID	MW-11M										
			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
Analyte	CAS No.	NYS Water Quality Standard	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
acenapthene	83-32-9		20	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
anthracene	120-12-7		50	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
benzo(a)pyrene	50-32-8	>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
benzo(g,h,i)perylene	191-24-2	NR	NR	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
benzyl alcohol	100-51-6	NR	NR	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
di-n-butylphthalate	84-74-2	50		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
indeno(1,2,3-cd)pyrene	193-39-5		0.002	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
bis(-2-chloroethoxy)methane	111-91-1	5		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
2-chloronapthalene	91-85-7		10	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
2,2'-oxybis(1-chloropropane)	108-60-1	5		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
dibenzo(a,h)anthracene	55-70-3	NR	NR	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
1,2-dichlorobenzene	95-50-1	3		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
1,4-dichlorobenzene	106-46-7	3		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
2,4-dichlorophenol	120-83-2	5		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
dimethyl phthalate	131-11-3		50	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
2,4-dinitrophenol	51-28-5		10	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
2,6-dinitrotoluene	606-20-2	5		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
fluoranthene	206-44-0		50	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
hexachlorobenzene	118-74-1	0.04		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
hexachlorocyclopentadiene	77-47-4	5		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
isophorone	78-59-1		50	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
2-methylphenol	95-48-7	1†		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
4-chloro-3-methylphenol	59-50-7	1†		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
napthalene	91-20-3		10	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
3-nitroaniline	99-09-2	5		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
nitrobenzene	98-95-3	0.4		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
4-nitrophenol	100-02-7	1†		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
n-nitrosodiphenylamine	86-30-6		50	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
pentachlorophenol	87-86-5	1†		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
phenol	108-95-2	1†		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
4-chlorophenyl-phenylether	7005-72-3	NR	NR	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
pyrene	129-00-0		50	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
2,4,5-trichlorophenol	95-95-4	1†		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
Toal SVOCs				ND	ND	ND	ND	ND	50	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

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-2
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2019

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

			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
Analyte	CAS No.	NYS Water Quality Standard	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	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-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	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

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-2
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2019

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

			Well ID	MW-12S										
			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
Analyte	CAS No.	NYS Water Quality Standard	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
acenapthene	83-32-9		20	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
anthracene	120-12-7		50	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
benzo(a)pyrene	50-32-8	>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
benzo(g,h,i)perylene	191-24-2	NR	NR	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
benzyl alcohol	100-51-6	NR	NR	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
di-n-butylphthalate	84-74-2	50		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
indeno(1,2,3-cd)pyrene	193-39-5		0.002	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
bis(-2-chloroethoxy)methane	111-91-1	5		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
2-chloronapthalene	91-85-7		10	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
2,2'-oxybis(1-chloropropane)	108-60-1	5		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
dibenzo(a,h)anthracene	55-70-3	NR	NR	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
1,2-dichlorobenzene	95-50-1	3		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
1,4-dichlorobenzene	106-46-7	3		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
2,4-dichlorophenol	120-83-2	5		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
dimethyl phthalate	131-11-3		50	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
2,4-dinitrophenol	51-28-5		10	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
2,6-dinitrotoluene	606-20-2	5		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
fluoranthene	206-44-0		50	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
hexachlorobenzene	118-74-1	0.04		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
hexachlorocyclopentadiene	77-47-4	5		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
isophorone	78-59-1		50	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
2-methylphenol	95-48-7	1†		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
4-chloro-3-methylphenol	59-50-7	1†		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
napthalene	91-20-3		10	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
3-nitroaniline	99-09-2	5		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
nitrobenzene	98-95-3	0.4		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
4-nitrophenol	100-02-7	1†		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
n-nitrosodiphenylamine	86-30-6		50	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
pentachlorophenol	87-86-5	1†		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
phenol	108-95-2	1†		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
4-chlorophenyl-phenylether	7005-72-3	NR	NR	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
pyrene	129-00-0		50	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
2,4,5-trichlorophenol	95-95-4	1†		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
Toal SVOCs				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.
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Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-2
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2019

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

			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	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
Analyte	CAS No.	NYS Water Quality Standard	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-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	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

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-2
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2019

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

			Well ID	MW-12M										
			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
Analyte	CAS No.	NYS Water Quality Standard	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
acenapthene	83-32-9		20	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
anthracene	120-12-7		50	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
benzo(a)pyrene	50-32-8	>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
benzo(g,h,i)perylene	191-24-2	NR	NR	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
benzyl alcohol	100-51-6	NR	NR	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
di-n-butylphthalate	84-74-2	50		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
indeno(1,2,3-cd)pyrene	193-39-5		0.002	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
bis(-2-chloroethoxy)methane	111-91-1	5		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
2-chloronapthalene	91-85-7		10	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
2,2'-oxybis(1-chloropropane)	108-60-1	5		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
dibenzo(a,h)anthracene	55-70-3	NR	NR	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
1,2-dichlorobenzene	95-50-1	3		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
1,4-dichlorobenzene	106-46-7	3		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
2,4-dichlorophenol	120-83-2	5		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
dimethyl phthalate	131-11-3		50	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
2,4-dinitrophenol	51-28-5		10	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
2,6-dinitrotoluene	606-20-2	5		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**
fluoranthene	206-44-0		50	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
hexachlorobenzene	118-74-1	0.04		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
hexachlorocyclopentadiene	77-47-4	5		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
isophorone	78-59-1		50	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
2-methylphenol	95-48-7	1†		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
4-chloro-3-methylphenol	59-50-7	1†		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
napthalene	91-20-3		10	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
3-nitroaniline	99-09-2	5		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
nitrobenzene	98-95-3	0.4		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
4-nitrophenol	100-02-7	1†		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
n-nitrosodiphenylamine	86-30-6		50	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
pentachlorophenol	87-86-5	1†		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
phenol	108-95-2	1†		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
4-chlorophenyl-phenylether	7005-72-3	NR	NR	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
pyrene	129-00-0		50	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
2,4,5-trichlorophenol	95-95-4	1†		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
Toal SVOCs				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	120

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

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-2
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2019

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

			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	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
Analyte	CAS No.	NYS Water Quality Standard	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-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	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

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-2
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2019

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

			Well ID	MW-12D										
			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
Analyte	CAS No.	NYS Water Quality Standard	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
acenapthene	83-32-9		20	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
anthracene	120-12-7		50	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
benzo(a)pyrene	50-32-8	>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
benzo(g,h,i)perylene	191-24-2	NR	NR	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
benzyl alcohol	100-51-6	NR	NR	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
di-n-butylphthalate	84-74-2	50		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
indeno(1,2,3-cd)pyrene	193-39-5		0.002	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
bis(-2-chloroethoxy)methane	111-91-1	5		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
2-chloronapthalene	91-85-7		10	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
2,2'-oxybis(1-chloropropane)	108-60-1	5		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
dibenzo(a,h)anthracene	55-70-3	NR	NR	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
1,2-dichlorobenzene	95-50-1	3		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
1,4-dichlorobenzene	106-46-7	3		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
2,4-dichlorophenol	120-83-2	5		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
dimethyl phthalate	131-11-3		50	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
2,4-dinitrophenol	51-28-5		10	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
2,6-dinitrotoluene	606-20-2	5		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
fluoranthene	206-44-0		50	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
hexachlorobenzene	118-74-1	0.04		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
hexachlorocyclopentadiene	77-47-4	5		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
isophorone	78-59-1		50	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
2-methylphenol	95-48-7	1†		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
4-chloro-3-methylphenol	59-50-7	1†		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
napthalene	91-20-3		10	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
3-nitroaniline	99-09-2	5		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
nitrobenzene	98-95-3	0.4		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
4-nitrophenol	100-02-7	1†		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
n-nitrosodiphenylamine	86-30-6		50	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
pentachlorophenol	87-86-5	1†		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
phenol	108-95-2	1†		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
4-chlorophenyl-phenylether	7005-72-3	NR	NR	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
pyrene	129-00-0		50	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
2,4,5-trichlorophenol	95-95-4	1†		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
Toal SVOCs				ND	ND	ND	ND	ND	22	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

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-2
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2019

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

			Well ID	MW-13S														
			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
Analyte	CAS No.	NYS Water Quality Standard	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-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	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

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-2
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2019

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

			Well ID	MW-13S										
			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
Analyte	CAS No.	NYS Water Quality Standard	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
acenapthene	83-32-9		20	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
anthracene	120-12-7		50	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
benzo(a)pyrene	50-32-8	>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
benzo(g,h,i)perylene	191-24-2	NR	NR	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
benzyl alcohol	100-51-6	NR	NR	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
di-n-butylphthalate	84-74-2	50		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
indeno(1,2,3-cd)pyrene	193-39-5		0.002	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
bis(-2-chloroethoxy)methane	111-91-1	5		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
2-chloronapthalene	91-85-7		10	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
2,2'-oxybis(1-chloropropane)	108-60-1	5		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
dibenzo(a,h)anthracene	55-70-3	NR	NR	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
1,2-dichlorobenzene	95-50-1	3		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
1,4-dichlorobenzene	106-46-7	3		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
2,4-dichlorophenol	120-83-2	5		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
dimethyl phthalate	131-11-3		50	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
2,4-dinitrophenol	51-28-5		10	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
2,6-dinitrotoluene	606-20-2	5		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
fluoranthene	206-44-0		50	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
hexachlorobenzene	118-74-1	0.04		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
hexachlorocyclopentadiene	77-47-4	5		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
isophorone	78-59-1		50	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
2-methylphenol	95-48-7	1†		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
4-chloro-3-methylphenol	59-50-7	1†		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
napthalene	91-20-3		10	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
3-nitroaniline	99-09-2	5		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
nitrobenzene	98-95-3	0.4		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
4-nitrophenol	100-02-7	1†		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
n-nitrosodiphenylamine	86-30-6		50	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
pentachlorophenol	87-86-5	1†		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
phenol	108-95-2	1†		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
4-chlorophenyl-phenylether	7005-72-3	NR	NR	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
pyrene	129-00-0		50	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
2,4,5-trichlorophenol	95-95-4	1†		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
Toal SVOCs				ND	ND	ND	ND	ND	ND	ND	ND	ND	14	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

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-2
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2019

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

			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	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
Analyte	CAS No.	NYS Water Quality Standard	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**	**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	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

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-2
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2019

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

			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
Analyte	CAS No.	NYS Water Quality Standard	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
acenapthene	83-32-9		20	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
anthracene	120-12-7		50	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
benzo(a)pyrene	50-32-8	>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
benzo(g,h,i)perylene	191-24-2	NR	NR	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
benzyl alcohol	100-51-6	NR	NR	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
di-n-butylphthalate	84-74-2	50		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
indeno(1,2,3-cd)pyrene	193-39-5		0.002	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
bis(-2-chloroethoxy)methane	111-91-1	5		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
2-chloronapthalene	91-85-7		10	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
2,2'-oxybis(1-chloropropane)	108-60-1	5		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
dibenzo(a,h)anthracene	55-70-3	NR	NR	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
1,2-dichlorobenzene	95-50-1	3		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
1,4-dichlorobenzene	106-46-7	3		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
2,4-dichlorophenol	120-83-2	5		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
dimethyl phthalate	131-11-3		50	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
2,4-dinitrophenol	51-28-5		10	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
2,6-dinitrotoluene	606-20-2	5		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
fluoranthene	206-44-0		50	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
hexachlorobenzene	118-74-1	0.04		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
hexachlorocyclopentadiene	77-47-4	5		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
isophorone	78-59-1		50	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
2-methylphenol	95-48-7	1†		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
4-chloro-3-methylphenol	59-50-7	1†		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
napthalene	91-20-3		10	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
3-nitroaniline	99-09-2	5		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
nitrobenzene	98-95-3	0.4		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
4-nitrophenol	100-02-7	1†		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
n-nitrosodiphenylamine	86-30-6		50	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
pentachlorophenol	87-86-5	1†		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
phenol	108-95-2	1†		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
4-chlorophenyl-phenylether	7005-72-3	NR	NR	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
pyrene	129-00-0		50	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
2,4,5-trichlorophenol	95-95-4	1†		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
Toal SVOCs				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

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-2
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2019

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

			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
Analyte	CAS No.	NYS Water Quality Standard	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-methlynapthalene	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.**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-2
Summary of Post-Closure Groundwater Monitoring Data
Total SVOCs
1997 to 2019

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

			Well ID	MW-14S										
			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
Analyte	CAS No.	NYS Water Quality Standard	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
acenapthene	83-32-9		20	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
anthracene	120-12-7		50	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
benzo(a)pyrene	50-32-8	>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
benzo(g,h,i)perylene	191-24-2	NR	NR	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
benzyl alcohol	100-51-6	NR	NR	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
di-n-butylphthalate	84-74-2	50		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
indeno(1,2,3-cd)pyrene	193-39-5		0.002	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
bis(-2-chloroethoxy)methane	111-91-1	5		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
2-chloronapthalene	91-85-7		10	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
2,2'-oxybis(1-chloropropane)	108-60-1	5		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
dibenzo(a,h)anthracene	55-70-3	NR	NR	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
1,2-dichlorobenzene	95-50-1	3		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
1,4-dichlorobenzene	106-46-7	3		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
2,4-dichlorophenol	120-83-2	5		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
dimethyl phthalate	131-11-3		50	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
2,4-dinitrophenol	51-28-5		10	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
2,6-dinitrotoluene	606-20-2	5		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
fluoranthene	206-44-0		50	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
hexachlorobenzene	118-74-1	0.04		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
hexachlorocyclopentadiene	77-47-4	5		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
isophorone	78-59-1		50	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
2-methylphenol	95-48-7	1†		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
4-chloro-3-methylphenol	59-50-7	1†		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
napthalene	91-20-3		10	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
3-nitroaniline	99-09-2	5		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
nitrobenzene	98-95-3	0.4		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
4-nitrophenol	100-02-7	1†		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
n-nitrosodiphenylamine	86-30-6		50	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
pentachlorophenol	87-86-5	1†		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
phenol	108-95-2	1†		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
4-chlorophenyl-phenylether	7005-72-3	NR	NR	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
pyrene	129-00-0		50	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
2,4,5-trichlorophenol	95-95-4	1†		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
Toal SVOCs				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

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			Well ID	MW-10S						
			Date	2/6/1997	4/22/1997	9/10/1997	11/25/1997	6/9/1998	10/20/1998	12/14/1999
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		13	ND	**29.4**	ND	14.8	**57.4**	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			Well ID	MW-10S						
			Date	8/17/2000	9/27/2001	10/17/2002	8/28/2003	9/19/2004	9/11/2005	8/10/2006
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	15.5	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			Well ID	MW-10S						
			Date	9/17/2007	9/3/2008	9/14/2009	9/22/2010	8/23/2011	8/28/2012	9/12/2013
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			Well ID	MW-10S					
			Date	9/25/2014	9/21/2015	9/21/2016	9/6/2017	9/18/2018	9/8/2019
Analyte	CAS No.	NYS Water Quality Standard	NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND
ethlybenzene	100-41-4	5		ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND
TPH	NA			ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			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
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		15	ND	**30.9**	10.5	21.2	**54.6**	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			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
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	6660	566	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			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
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			Well ID	MW-10M					
			Date	9/25/2014	9/21/2015	9/21/2016	9/6/2017	9/18/2018	9/8/2019
Analyte	CAS No.	NYS Water Quality Standard	NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND
ethlybenzene	100-41-4	5		ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND
TPH	NA			ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			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
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	16.5	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			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
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	5820	1740	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			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
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			Well ID	MW-10D					
			Date	9/25/2014	9/21/2015	9/21/2016	9/6/2017	9/18/2018	9/8/2019
Analyte	CAS No.	NYS Water Quality Standard	NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	2	10
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND
ethlybenzene	100-41-4	5		ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	2	10
TPH	NA			ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			Well ID	MW-11S						
			Date	2/7/1997	4/22/1997	9/9/1997	11/25/1997	6/9/1998	10/20/1998	12/14/1999
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			714	554	818	2480	1230	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		17.4	ND	**39.8**	14.8	23.6	**57.7**	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			Well ID	MW-11S						
			Date	8/17/2000	9/27/2001	10/17/2002	8/28/2003	9/19/2004	9/11/2005	8/10/2006
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	1030	1390	1100	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			Well ID	MW-11S						
			Date	9/17/2007	9/3/2008	9/14/2009	9/22/2010	8/23/2011	8/28/2012	9/12/2013
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			Well ID	MW-11S					
			Date	9/25/2014	9/21/2015	9/21/2016	9/6/2017	9/18/2018	9/8/2019
Analyte	CAS No.	NYS Water Quality Standard	NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND
ethlybenzene	100-41-4	5		ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND
TPH	NA			ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			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
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		12.7	ND	**35.4**	10.6	21.4	**48.1**	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			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
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	ND	632	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			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
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			Well ID	MW-11M					
			Date	9/25/2014	9/21/2015	9/21/2016	9/6/2017	9/18/2018	9/8/2019
Analyte	CAS No.	NYS Water Quality Standard	NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND
ethlybenzene	100-41-4	5		ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND
TPH	NA			ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			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
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			1280	ND	1420	2040	517	520	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	**29.2**	10.9	20	**47.1**	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			Well ID	MW-12S						
			Date	8/17/2000	9/27/2001	10/17/2002	8/28/2003	9/19/2004	9/11/2005	8/10/2006
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	892	561	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			Well ID	MW-12S						
			Date	9/17/2007	9/3/2008	9/14/2009	9/22/2010	8/23/2011	8/28/2012	9/12/2013
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			Well ID	MW-12S					
			Date	9/25/2014	9/21/2015	9/21/2016	9/6/2017	9/18/2018	9/8/2019
Analyte	CAS No.	NYS Water Quality Standard	NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND
ethlybenzene	100-41-4	5		ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND
TPH	NA			ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			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
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	17.1	ND	14.6	**31.4**	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			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
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	ND	1120	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			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
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			Well ID	MW-12M					
			Date	9/25/2014	9/21/2015	9/21/2016	9/6/2017	9/18/2018	9/8/2019
Analyte	CAS No.	NYS Water Quality Standard	NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND
ethlybenzene	100-41-4	5		ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND
TPH	NA			ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			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
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	**39.2**	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			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
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	681	697	1030	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			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
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			Well ID	MW-12D					
			Date	9/25/2014	9/21/2015	9/21/2016	9/6/2017	9/18/2018	9/8/2019
Analyte	CAS No.	NYS Water Quality Standard	NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND
ethlybenzene	100-41-4	5		ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND
TPH	NA			ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			Well ID	MW-13S						
			Date	2/6/1997	4/22/1997	9/9/1997	11/24/1997	6/10/1998	10/20/1998	12/14/1999
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		14	ND	**38.1**	10	**39.5**	**29**	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			Well ID	MW-13S						
			Date	8/17/2000	9/27/2001	10/17/2002	8/28/2003	9/19/2004	9/11/2005	8/10/2006
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			Well ID	MW-13S						
			Date	9/17/2007	9/3/2008	9/14/2009	9/22/2010	8/23/2011	8/28/2012	9/12/2013
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	11.4	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			Well ID	MW-13S					
			Date	9/25/2014	9/21/2015	9/21/2016	9/6/2017	9/18/2018	9/8/2019
Analyte	CAS No.	NYS Water Quality Standard	NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	12
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND
ethlybenzene	100-41-4	5		ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	12
TPH	NA			ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			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
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	20.1	10.1	**25.7**	**39**	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			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
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	12.6	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			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
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			Well ID	MW-13M					
			Date	9/25/2014	9/21/2015	9/21/2016	9/6/2017	9/18/2018	9/8/2019
Analyte	CAS No.	NYS Water Quality Standard	NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	ND
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND
ethlybenzene	100-41-4	5		ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	ND
TPH	NA			ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	12	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			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
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	2780	1180	1410	957	1060
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	**26.2**	12.1	16.9	**37.8**	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			Well ID	MW-14S						
			Date	8/17/2000	9/27/2001	10/17/2002	8/28/2003	9/19/2004	9/11/2005	8/10/2006
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	2780	2370	1260	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			Well ID	MW-14S						
			Date	9/17/2007	9/3/2008	9/14/2009	9/22/2010	8/23/2011	8/28/2012	9/12/2013
Analyte	CAS No.	NYS Water Quality Standard	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
ethlybenzene	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	NA			ND	ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Created: MP 1/8/21
Checked: RTM 1/8/21

Table 3-3
Summary of Post-Closure Groundwater Monitoring Data
Total VOCs, TPH, Soluble Arsenic, and Soluble Lead
1997 to 2019

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

			Well ID	MW-14S					
			Date	9/25/2014	9/21/2015	9/21/2016	9/6/2017	9/18/2018	9/8/2019
Analyte	CAS No.	NYS Water Quality Standard	NYS Water Quality Guidance Value	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
acetone	67-64-1		50	ND	ND	ND	ND	ND	14
benzene	71-43-2	1		ND	ND	ND	ND	ND	ND
bromodichloromethane	75-27-4		50	ND	ND	ND	ND	ND	ND
bromoform	75-25-2		50	ND	ND	ND	ND	ND	ND
bromomethane	74-83-9	5		ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78-93-3		50	ND	ND	ND	ND	ND	ND
carbon disulfide	75-15-0	NR	NR	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56-23-5	5		ND	ND	ND	ND	ND	ND
chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND	ND
chloroethane	75-00-3	5		ND	ND	ND	ND	ND	ND
chloroform	67-66-3	7		ND	ND	ND	ND	ND	ND
chloromethane	74-87-3	5		ND	ND	ND	ND	ND	ND
dibromochloromethane	124-48-1		50	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75-34-3	5		ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107-06-2	0.6		ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75-35-4	5		ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156-59-2	5		ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	156-60-5	5		ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78-87-5	1		ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	10061-01-5	0.4*		ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	10061-02-6	0.4*		ND	ND	ND	ND	ND	ND
ethlybenzene	100-41-4	5		ND	ND	ND	ND	ND	ND
2-hexanone	591-78-6		50	ND	ND	ND	ND	ND	ND
methylene chloride	75-09-2	5		ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108-10-1	NR	NR	ND	ND	ND	ND	ND	ND
styrene	100-42-5	5		ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79-34-5	5		ND	ND	ND	ND	ND	ND
tetrachloroethene	127-18-4	5		ND	ND	ND	ND	ND	ND
toluene	108-88-3	5		ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71-55-6	5		ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79-00-5	1		ND	ND	ND	ND	ND	ND
trichloroethene	79-01-6	5		ND	ND	ND	ND	ND	ND
vinyl chloride	75-01-4	2		ND	ND	ND	ND	ND	ND
m+p xylene	NA	5 (each)		ND	ND	ND	ND	ND	ND
o-xylene	95-47-6	5		ND	ND	ND	ND	ND	ND
Total VOCs				ND	ND	ND	ND	ND	14
TPH	NA			ND	ND	ND	ND	ND	ND
SOLUBLE ARSENIC	7440-38-2	25		ND	ND	ND	ND	ND	ND
SOLUBLE LEAD	7439-92-1	25		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**

Prepared by: MP
Date: 11/23/20

Checked by:RTM
Date:1/8/21

TABLE 4-1
UNION ROAD
GROUNDWATER MONITORING REPORT

Unicorn Management Consultants, LLC

GROUNDWATER WELL MEASUREMENTS
August 13, 2020

Well Number	Riser Elev.[1] (Feet)	Depth to Water (Feet)	Water Elev. (Feet)
10S	623.09	9.78	613.31
10M	622.50	11.91	610.59
10D	622.02	14.84	607.18
11S	622.74	14.28	608.46
11M	622.86	20.19	602.67
12S	622.62	19.53	603.09
12M	622.97	20.99	601.98
12D	621.18	18.23	602.95
13S	622.96	12.22	610.74
13M	621.66	12.10	609.56
14S [2]	621.61	10.03	611.58
15	624.67	14.81	609.86
16	624.51	14.78	609.73
17	624.44	20.70	603.74
18 [3]	624.67	Dry	<602.75
19	625.08	21.33	603.75
20 [4]	631.98	28.10	603.88
21	629.25	25.51	603.74
22 [4]	629.24	25.50	603.74
23S	607.45	8.11	599.34
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).

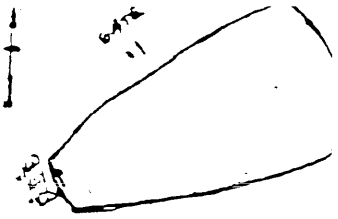
[6] NM: Not Measured

[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 MANM

GEOLOGIST. OFFICE JOHN J ZACHER JR

DRILLING EQUIPMENT. METHOD HSA | SIZE TYPE OF BIT 6" HSA | SAMPLING METHOD SPLIT SPOON | START. FINISH

WELL INSTALLED? YES ☒ NO ☐ | CASING MAT./DIA. STAINLESS STEEL / 2" | SCREEN: TYPE SLOT MAT. STAINLESS LENGTH 10' DIA. 2" SLOT SIZE .0

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

REMARKS: Hole to 21', Samples to 20'

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	LOG OF TEST BORING — DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC
				SAMPLING STARTS AT 4' B.G.			
5	4	21"	6	BR TO TAN/GREY CLAY W LITTLE ANGULAR ROCKS TO 1/2"	STIFF, DAMP		
	4		6				
	6		5				
			10				
	6	21"	6	0-3" BRICK TO TAN/GREY CLAY SOME ROCKS TO 3/4"	STIFF DAMP		
			15	3-15" CINDERS W/SOME ROCKS - DAMP			
			20				
	8		8	15-21" BROWN/TAN CLAY SOME SAND, LITTLE SILT TRACE ROCKS	SATURATED LITTLE H2O		
	4	24"	5	TAN/LT BROWN CLAY	STIFF, LITTLE H2O		
			5				
10	10		10				
	10	12"	2	TAN/LT BROWN CLAY	MED STIFF SOME H2O		
			3				
	12		3				
	12		2	TAN/LT BROWN CLAY - TRACE SILTS	MED STIFF SOME H2O		
		16"	3				
	14		4				
15	14	20"	2	GREY TO LT BROWN CLAY ~~SOME~~ LITTLE ROUNDED ROCKS	MED STIFF SOME H2O		
			3				
	16		4				
	16	18"	2	TAN TO LT BROWN CLAY	MED STIFF SOME H2O		
			3				
	18		5				
	18	20"	2	GREYISH BROWN CLAY TRACE ORGANICS.	MED STIFF SOME H2O		
			3				
20			3	END of Boring 21' B.G.S. ~~20'~~ 20'			

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

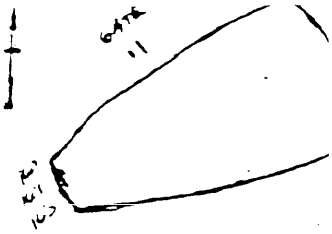
BORING NO. 10-M	
PROJECT NO. NAME Union Road - 2035-200	LOCATION Buffalo NY
DRILLING CONTRACTOR/DRILLER Maxim	
GEOLOGIST. OFFICE John J Zacher JR	
DRILLING EQUIPMENT. METHOD HSA	SIZE TYPE OF BIT 6" HSA / SAMPLING METHOD Split Spoon / START. FINISH D: 1/3/97
WELL INSTALLED? YES ☒ NO ☐	CASING MAT./DIA. 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:	

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	LOG OF TEST BORING: DESCRIPTION	REMARKS	WELL CONSTR.	GRAPHIC LITHOLOGY
				SAMPLING STARTS 4' BG.			
5	4	22"	6	BLK TO TAN/GREY CLAY W/ LITTLE ROCKS TO 4"	STIFF, DAMP		
	6		6	0-7" BLACK TO TAN/GREY CLAY SOME ROCKS	STIFF DAMP		
	6		5	7-14" CINDERS	DRY		
	5	22"	8	14-22" BROWN TAN CLAY LITTLE ROCKS	MED STIFF, LITTLE H2O		
	3		12	TAN/LT BROWN CLAY	STIFF, LITTLE H2O		
10	10	24"	7				
	20		8	TAN/LT BROWN CLAY	MED STIFF SOME H2O		
	12	15"	13				
	12		4	TAN/LT BROWN CLAY	MED STIFF SOME H2O		
	M	15"	5				
15	14		3	TAN/LT BROWN CLAY, LITTLE GREY LITTLE ROUND ROCKS	MED STIFF SOME H2O		
	16	20"	4				
	16		3	TAN TO LT BROWN CLAY	MED STIFF SOME H2O		
	18	19"	3				
	15		3	GREYISH BROWN CLAY, SOME ORGANICS	MED STIFF SOME H2O		
	20	20"	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

TEST BORING LOG



BORING NO. 10M

PROJECT NO. NAME Woodlawn - 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 1/13/97

WELL INSTALLED? YES ☒ NO ☐ | CASING MAT./DIA. STAINLESS STEEL / 2" | SCREEN: TYPE SLOT MAT. STAINLESS LENGTH 10' DIA. 2" SLOT SIZE 0.02

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

REMARKS:

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	LOG OF TEST BORING DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC
20			1	DARK GREY w/ LITTLE ORGANICS	MED STIFF		
21		21	3		SOME H2O		
22			2				
22			4	GREY & SOME BROWN CLAYS	MED STIFF		
23		21	5		LITTLE H2O		
24			4				
24			2	GREY CLAY	SOFT,		
25		20	3		WET		
26			3				
26			1	TOP 14" GREY CLAY	SOFT WET		
27		21	2				
28			2	BOT 7" GREY/LT BROWN CLAY, SOME ROCK FRAGS, LITTLE SAND	WET, NON COHESIVE		
28			10				
29			12	LT BROWN SILTS W/SOME SAND 0-6"	WET, LOOSE		
30		17"	4	LT BROWN TAN CLAY, SOME ROCKS 6-17" 1/2-1"	SOFT-WET		
30			4				
30			2				

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

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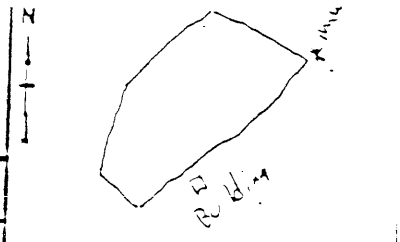
TEST BORING LOG



BORING NO. MW-10D

PROJECT NO.. NAME: Union Road | LOCATION: Buffalo NY

DRILLING CONTRACTOR/ DRILLER: Maxim (Dick Miller, Ron Brown)

GEOLOGIST. OFFICE: James Dann

DRILLING EQUIPMENT. METHOD	SIZE. TYPE OF BIT	SAMPLING METHOD	START. FINISH DATE
Air Rotary / HSA	8¼" HSA / 7⅞"	Split Spoon	12/6 - 12/7/96

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

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

REMARKS:

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	LOG OF TEST BORING — DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHOLOGY
				Sampling started @ 4' BG.			
5		21"	5 6 9 10	~~Blk to tan/Grey clay w/ Trace angular~~ Fragmented Rock upto 1" in size	~~Stiff,~~ Damp		
		22"	7 30 18 11	Top 8" Blk, tan/grey Clay w/ Trace angular Fragmented Rock next 6" Blk Cinder like material w/ ~~same~~ w/ angular Fragmented Rock, 1" in size Bottom 6" Brown/Tan Sand/Silty Clay w/ 10%-20% Rx Frag. 2"	Stiff, Damp Dry Not Cohesive, little H_2O		
		24"	7 8 10 9	Tan to Lt Brown clay, No Rocks	m. stiffness w/ some H_2O		
10		16"	2 2 3 3	Tan to lt Brown clay w/o Rocks	m. Stiffness w/ some H_2O		
		15"	1 3 3 5	tan to lt Brown Clay w/o Rocks Possibly Some Silts	m. stiffness w/ some H_2O		
15		20"	2 2 3 4	Grey to lt Brown Mottled clay w/ trace rounded Rocks, ¼ - ⅛" diameter.	m. stiffness w/ Some H_2O		
		18"	1 3 4 6	Tan to lt Brown Clay w/o Rxs	m. stiffness w/ Some H_2O		
		21"	2 2 3 4	Grayish/Brown/Blk clay w/ 10-20% organics	m. stiffness w/ some H_2O		

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

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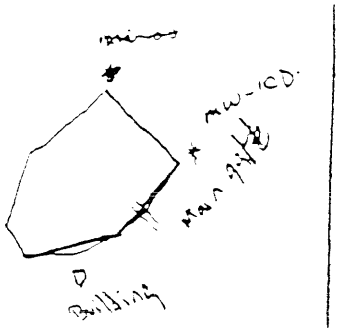
TEST BORING LOG



BORING NO.: MW- 10D

PROJECT NO.. NAME: Union Road 2035-200

LOCATION: Buffalo NY

DRILLING CONTRACTOR/ DRILLER: Maxim (Dick Miller, Ron Brown)

GEOLOGIST, OFFICE: James Doan

DRILLING EQUIPMENT. METHOD: HSA / Air Rotary

SIZE TYPE OF BIT: HSA 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:

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHOLOGY
20-22'		21"	1 3 5 8	Greyish/Blk/Dk Grey Clays w/ Taces organics	m. stiffness w/ Some H_2O		
22-24'		20"	3 5 8 9	Grey + Brown Clays	m. stiffness w/ Trace H_2O		
24-26'		0"	2 2 3 2	The inside of the spoon was v. wet, No Basket.			
26-28'		22"	1 1 3 17	Top 16" Grey clays mid 4" Grey clays, w/ trace organics Bottem 2" Grey/Lt Brown/ Clays w/ some Fray. Rks, Sands	soft wet soft wet Not cohesive wet		
28-30'		17"	3 3 3 3	lt Brown/Tan clays w/ silts 20% Rock Frags. 1/4" - 2"	Sof wet		
28-30'		18"	6 2 2 2	Top 3" Sands w/ lt Brown/Tan silts + clays Bottem 15" lt Brown / Tan Clays w/ silts, 20% Rock Fragments 1/4" - 2" in size	Not Cohesive wet Soft Wet		
32-34'		4"	2 3"/50	lt Brown/Tan clays w/ silts, 20% Rx2 Frags 1/4" - 2" in size	Soft Wet		
15				Bed Rock.			
				@ 35' BG Bottom of Protectiv casing	Bottem of The Protective Casing		

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

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

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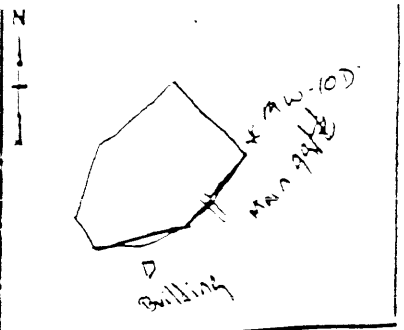
TEST BORING LOG



BORING NO. MW-10D

PROJECT NO.. NAME 2035-200 Union Road

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
(FT. ABOVE M.S.L.)

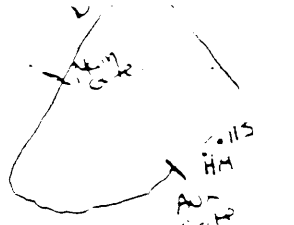
REMARKS:

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	LOG OF TEST BORING — DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHOLOGY
5				@ 45 the water bearing zone The hole has collapsed The Rock isn't very consolidated	B.O.B 45.5' BG		
10							
15							

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

ST = Shelby Tube, CSC = Continuous Soil Core

TEST BORING LOG



BORING NO. MW-115	
PROJECT NO. NAME Niagara 2035-200	LOCATION Buffalo NY
DRILLING CONTRACTOR/DRILLER MAXIM	
GEOLOGIST. OFFICE JOHN J ZAHER JR	
DRILLING EQUIPMENT. METHOD HSA	SIZE TYPE OF BIT 6" HSA / SAMPLING METHOD Split Spoon / START. FINISH DAT 1/2/97
WELL INSTALLED? YES ☒ NO ☐ / CASING MAT./DIA. Stainless Steel 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:	

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	LOG OF TEST BORING — DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LOG
				SAMPLING STARTED AT 4' B.G.			
4'			10	BROWN/DRK BROWN SILTS & CLAYS	STIFF/		
5		15"	9	TRACE RX FRAGMENTS < 1/8"	DRY - LITTLE TO NO H2O		Cement
6'			10				
6'			4	BROWN/DRK BROWN SILTS AND CLAYS	STIFF		
		15"	9	NO RXS	LITTLE TO NO H2O		
			12				
8'			11	FILL			
8'			12	BROWN/DRK BROWN CLAYS	STIFF		
		10"	12	TRACE RX FRAGS	LITTLE TO NO H2O		Bent
10'			12	FILL			
10			4	TOP 9" DRK BROWN CLAYS W/SOME ORGANICS	STIFF - LITTLE H2O		
		13"	6	BOTTOM 4" - GREY SILTS/CLAYS AND ORGANICS	MED		
12'			8				Sand
12'			8	GREY CLAYS LITTLE ORGANICS	MEDIUM STIFFNESS SOME H2O		
		20"	9				
14'			10				
			13				Bent
			9	TOP 6" - GREY CLAYS, LITTLE ORGANICS	MED STIFFNESS WET/SOME H2O		
15		15"	11				
16'			15	BOTTOM 12" - REDDISH BROWN CLAY NO RXS ORGANICS	STIFF - LITTLE TO NO H2O		
16'			19	REDDISH BROWN CLAYS W/GREY LAYERS	STIFF - LITTLE		
		21"	20	GREY LAYERS MAY BE EVIDENCE OF VARVED CLAYS	TO NO H2O		
18'			22				
18'			5	REDDISH BROWN CLAYS W/GREY LAYERS	M. STIFFNESS		
		12"	5	GREY LAYERS MAY BE EVIDENCE OF VARVED CLAYS	DAMP		
20'			21				
			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. MW-11S

PROJECT NO. NAME: Union Road - 2035-200

LOCATION: BUFFALO NY

DRILLING CONTRACTOR/DRILLER: MARIM

GEOLOGIST. OFFICE: John J Zacher Jr

DRILLING EQUIPMENT. METHOD: HSA

SIZE TYPE OF BIT: 6" HSA

SAMPLING METHOD: SPLIT SPOON

START. FINISH DATE: 1/2/97

WELL INSTALLED? YES ☒ NO ☐

CASING MAT./DIA.: SS / 2"

SCREEN: TYPE SLOT MAT. STAINLESS LENGTH 10' DIA. 2" SLOT SIZE 0.020

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

REMARKS:

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHOLOGY
20	20	24"	3 5 6	BROWN / DRK BROWN CLAYS, NO ODS	STIFF LITTLE - NO H_2O		
22	22		5				
	22		2	BROWN W/SOME GREY CLAYS	STIFF TRACE H_2O		
		23"	4 5	BoBe 24' Byl			
	24	-	4				
5							
10							
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

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TEST BORING LOG

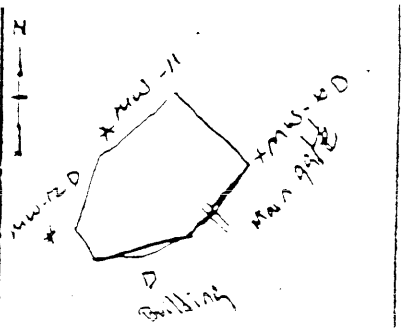
BORING NO. MW-11M

PROJECT NO.. NAME Union Road 2035-200

LOCATION Buffalo NY

DRILLING CONTRACTOR/ DRILLER Maxim

GEOLOGIST, OFFICE James Dean



DRILLING EQUIPMENT. METHOD	SIZE. TYPE OF BIT	SAMPLING METHOD	START. FINISH. DATE
HSA		Split Spoon	12/18 - 12/19/96

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:

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	LOG OF TEST BORING DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHOLOGY
				Sampling started @ 4' BG			
4'			10				
5 6'		14"	8 10 10	Brown/DRK Brown silts + clays w/ Trace amounts of Rx Fragments. less than ½"	Stiff little to No H_2O		
6'			8	Brown/Drk Brown silts + clays, w/o Rxs	Stiff little to No H_2O		
8'		13"	12 12 14	Most likely Fill			
8'				Drk Brown clays w/ Trace amounts of Rx frags.	Stiff little to No H_2O		
		4"		most liky Fill			
10 10'				Top 8" Drk Brown clays w/ some Organics	Stiff little to No H_2O		
10'		10"	3 5 7	Bottom 2" Grey silts + clays w/ some Organics	~~little to No H_2O~~ soft w/ some H_2O		
12'			9	Top 4" discarded looked as if they fell into hole			
12'		18"	5 18		m. Stiffness Some H_2O		
14'			15	Bottom 14" Grey clays w/ Some organics + Trace ashes or soot.	Stiff little to No H_2O		
14'		19"	7 11 11	Reddish Brown clays w/ No Rxs or organics			
15 16'			20		Stiff little to No H_2O		
16'		24"	19 25 18	Reddish Brown clays w/ Grey layers The grey layers may be evidence of varbed clays.	m. Stiffness		
18'			20				
18'			6 3 4 5	Reddish Brown clays w/ Grey layers The Grey layers may be evidence of Varbed clays	Damn		
20							

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

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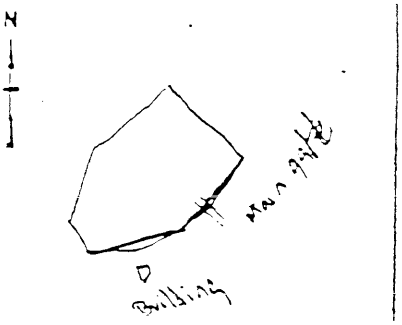
TEST BORING LOG



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 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

DATE

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

REMARKS:

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS
20'			6	- Reddish brown varbed clays w/ Red, Grey,	Soft
		24"	3	and dark Brown layers.	Wet
22'			3		
22'			3	Reddish/ Brown clays	Soft
		12"	2		Wet
24'			4		
24			1	Reddish Brown (Fleshy Color) clays ¼" - ½" Rx frags.	Soft
		18"	1	w/ Rounded edges.	Wet
5			3		
26'			3	Reddish Brown (Fleshy Color) clays ¼" - 2" Rx frags	Soft
26'		18	4	w/ rounded edges.	Wet
			5		
28'			2	Reddish Brown (Fleshy Color) clays + 40%-50%	Soft
28'		13"	2	Rock fragments w/ some rounded edges	Wet
			2		
30			5		Soft
10			9	- Mostly Rocks ~~20%~~ w/ some Reddish Brown	
30'		4"	10	(Fleshy color) clays	Wet
32'			7		Soft
32'			8	- Reddish Brown (Flesh color) clays + silts	Wet
		14"	13	- Some Sands 20-30% rock mostly smoothed pebbles ¼" - 1"	
34'			13		
34'			1	Reddish Brown/ Grey silts + clays	The sample Ranged from Soft → hard
15		13"	8	10% Rocks + Sands	Wet
26'			15		Soft → Hard
			22		
36			24	Reddish Brown/ Grey silts, clays, Sands +	
		5'	54/2"	Rocks.	Wet
35		-	- -		
				Bed Rock @ 39' BG	

WELL CONST.

GRAPHIC LITHOLOGY

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

SS = Split Spoon Type, CSC = Continuous Soil Core

TEST BORING LOG

BORING NO. 17-S

PROJECT NO., NAME: Union Road - 2035-200

LOCATION: BUFFALO NY

DRILLING CONTRACTOR/DRILLER: HAHM

GEOLOGIST, OFFICE: JOHN J ZACHER JR

DRILLING EQUIPMENT, METHOD: HSA

SIZE, TYPE OF BIT: 6" HSA

SAMPLING METHOD: SPLIT SPOON

START, FINISH DATE: 1-2-97

WELL INSTALLED? YES ☒ NO ☐

CASING MAT./DIA.: STAINLESS STEEL / 2"

SCREEN: TYPE SLOT MAT. STAINLESS LENGTH 10' DIA. 2" SLOT SIZE 0.020

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/.5 FT	DESCRIPTION	REMARKS
				SAMPLING START AT 15' BG	
15	15' 17	21"	6 8 9 9	BROWN CLAYS - FILL	STIFF - LITTLE TO NO H_2O
	17 19	24"	7 6 6 5	BROWN CLAYS FILL	STIFF - TRACE H_2O
20	19 21	23	6 6 7 8	BROWN TO DARK BROWN CLAYS	STIFF LITTLE H_2O
	21 23	24"	4 5 5 5	BROWN TO TAN CLAY W/ LITTLE GREY	STIFF SOME TO LITTLE H_2O
25	23 25	24"	5 6 5 4	BROWN - GREY CLAY 0-12 12-24	STIFF / MOIST
				BOB 25'	

WELL CONST. / GRAPHIC LOG: 10, 12, 9 gr?, bent, sand, screen

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	LOCATION
UNIONROAD - 2035-200	BUFFALO NY

DRILLING CONTRACTOR/DRILLER MANM

GEOLOGIST, OFFICE JOHN J ZACHER JR

DRILLING EQUIPMENT, METHOD	SIZE, TYPE OF BIT	SAMPLING METHOD	START, FINISH DA[TE]
HSA	6" ~~4~~ 8" HSA	SPLIT SPOON	12/31/96

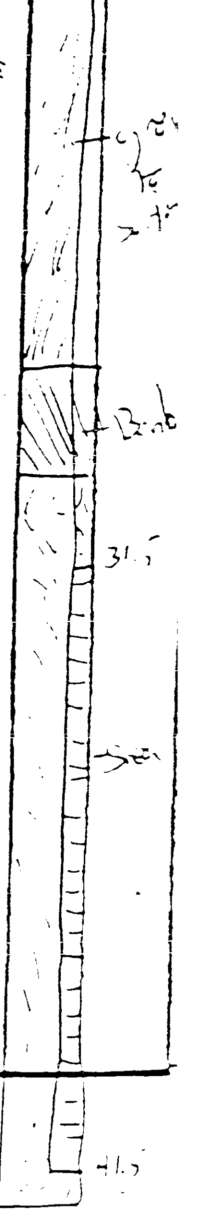
WELL INSTALLED?	CASING MAT./DIA.	SCREEN:			
YES ☒ NO ☐	STAINLESS STEEL / 2"	TYPE SLOT	MAT. STAINLESS	LENGTH 10'	DIA. 2" SLOT SIZE 0.020

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

REMARKS: NO SAMPLES 0-20' FILL MATERIAL, CUTTINGS BROWN DRY SAMPLE 40-42 - NO RECOVERY REFUSAL 42.5'

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS
	20-22	22"	9 5 ? ?	BROWN / DRK BROWN CLAYS	STIFF - LITTLE TO NO H_2O
	22-24	24"	4 4 4 4	BROWN TO TAN CLAY SOME GREY	STIFF SOME TO TRACE H_2O
25	24-26	24"	2 1 1 1	GREY TO RED BROWN CLAY, TRACE ROCKS	SOFT, MOIST
	26-28	19"	4 7 7 8	RED BROWN CLAY	STIFF, LITTLE H_2O
	28-30	18	2 4 2 7	LT BROWN / TAN CLAY, TRACE SILTS, LITTLE ROCKS (1/8")	SOFT, DAMP
30	30-32	16	2 2 3 4	LT BROWN / TAN CLAY - LITTLE GREY, LITTLE ROCKS (1/8 - 1/4)	STIFF DAMP
	32-34	18	3 8 12 10	TOP 12" - LT BROWN / TAN CLAY - SOME GREYS, LITTLE ROCKS BOT 6" - GREY CLAY AND SAND, NO COHESIVE STRENGTH	SOFT DAMP, SOME H_2O WET
35	34-36	24"	1 2 2 1	GREY CLAY AND SAND	NO STRENGTH, WET
	36-38	20"	1 1 1 1	GREY CLAY AND SAND 0-15" 15-20" - GREY CLAY ~~and~~ AND ROCKS 1/4 - 1/2"	NO STRENGTH WET WET
	38-40	6"	7 50/3"	MOSTLY ROCK - W/SOME GREY/TAN CLAY	WET, STIFF



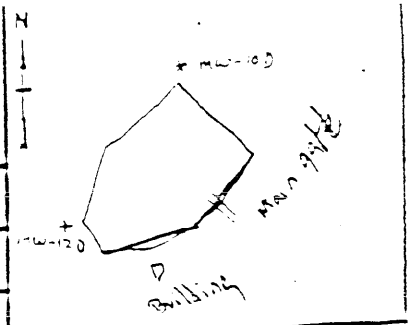
Proportions Used: Trace = 0-10%, Little = 10-20%, Some = 20-35%, And = 35-50%

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

WEATHER BED ROCK
BOB - 42.5

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

TEST BORING LOG



BORING NO. MW-120

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 8¼" HSA / 7⅞" Air/5⅞"

SAMPLING METHOD Split Spoon

START, FINISH DATE 12/12-12/16/96

WELL INSTALLED? YES ☑ NO ☐

CASING MAT., DIA. Stainless Steel / 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 DATE

REMARKS:

LOG OF TEST BORING

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

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

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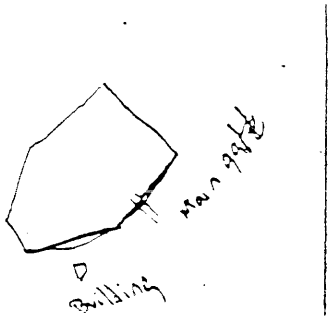
TEST BORING LOG



BORING NO. MW-125

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

REMARKS:

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	LOG OF TEST BORING — DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LOG
20'		24"	3 5 6 8	Brown to Drk Brown Clays, No Rxs	Stiff little to No H_2O		
22'							
22'		24"	3 5 4 4	Brown/Tan/w/ some Greys	Stiff w/ trace H_2O		
24'					Soft Damp		
24'		24"	1 1 1	Greyish/ Red Brown Clays, Trace Rx Fragments Y8" - Y4"			
26'					Stiff		
26'		17"	4 6 14 20	Top 6" Red Brown Clay, No Rxs Bottom 11" lt Brown/Tan (Fleshy color) Clays, Trace silts & some Rx Fragments	Soft w/ Some H_2O		
28'					Soft Some H_2O		
28'		15"	1 4 2 3	lt Brown/Tan (Fleshy color) clays, Trace silts + Some rock fragments. Y8" - Y4"	Soft Some H_2O		
30'				lt Brown/Tan (Fleshy Color) clays, Trace silts + some Rock fragments			
D'		14"	1 1 3 4	Top 12" lt Brown/Tan, w/ some Grey clays some Rx fragments.	Soft, Damp		
32'					No Cohesive Strength Wet to Damp		
32'		24"	1 8 16 50	lst 11" Brown/Tan (Fleshy Color) clays + silts Bottom 5" Grey 50% Sands No Rxs			
34'				Sample skipped the augers into hard unconsolidated Rocks.			
37'		5/6"	5"	lt Brown/Tan/Grey Clays w/ silts + Angular Rock fragments 40-50% Y8" - 1"	Soft Wet		
39'							

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

CSC = Continuous Soil Core

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SOT 5

TEST BORING LOG

BORING NO. MW-12D

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
(FT. ABOVE M.S.L.)

REMARKS:

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	LOG OF TEST BORING DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHOLOGY
40-42'	2'	50/2"		Mostly Rx ¼"-2" in size w/ a matrix of lt Brown/Tan/Grey Clays + silts -Bed Rock @ -41' BG	Wet Stiff		
					Cement Seal		
5				Bottom of Protective casing @ 46' BG	Bentonite seal		
				Stainless Steal Riser			
10				Stainless steal Screen			
15				Sand			
				Bottom of hole 61.5' BG			

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

61.5'

TEST BORING LOG

BORING NO. MW-135	
PROJECT NO. NAME UNION ROAD 2035-200	LOCATION BUFFALO NY
DRILLING CONTRACTOR/DRILLER MAKIM	
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 ☒ NO ☐ / CASING MAT./DIA. STAINLESS STEEL / 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: BORING TO 21', LAST 1' NOT SPLIT SPOONED WELL ~~RISER~~ RISER AT 20.5' B.G.	

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	LOG OF TEST BORING — DESCRIPTION	REMARKS
				SAMPLING STARTED AT 4' B.G.	
4		15		DARK BROWN CLAYS	STIFF
		10		NO ROCKS	LITTLE NO H2O
5	14"	15		SOME CINDERS	
6'		12			
6		12		DARK BROWN CLAYS	STIFF
	12	10		SOME CINDERS	TRACE H2O
8'		10			
8'		12		5' → DARK BROWN CLAYS, LITTLE CINDERS	STIFF, LITTLE H2O
	10"	11		8.5" - BLACK SANDS / CINDERS NOT NATIVE	DRY
10		13			
10'		8		TOP 3" - BLACK SAND CINDERS	DRY
10		5			
	11'	4		BOTTOM 3" - WOOD SOME CREOSOTE ODOR	
12		10			
		7			
12		8		BLACK SAND / CINDERS	WET
	10"	3			
14		6			
		7			
14		7		BLACK SAND / CINDERS	WET
15	12"	6		SOME BRICK AND WOOD	
16		5			
16		5		BLACK SAND CINDERS W/SOME RED CLAY	DAMP
	7"	4			
18		4			
		3			WET
18		3		TOP 6" BLACK CINDERS	
	21"	5			MED STIFF
20		5		6"-15" RED CLAY, NO ROCKS	SOME H2O
					B.B. 21'

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

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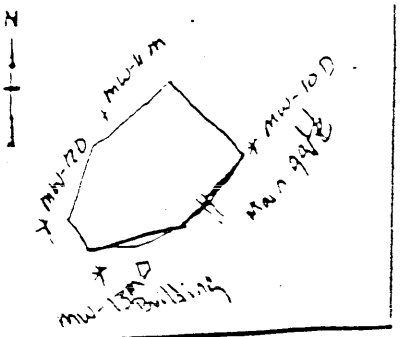
TEST BORING LOG



BORING NO. MW-13M

PROJECT NO.. NAME Union Road 2025-200

LOCATION Buffalo NY

DRILLING CONTRACTOR/ DRILLER Maxim

GEOLOGIST, OFFICE James Doan

DRILLING EQUIPMENT. METHOD	SIZE. TYPE OF BIT	SAMPLING METHOD	START. FINISH DATE
HSA		Split SPOON	12/9/96

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

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

REMARKS:

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	LOG OF TEST BORING — DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHOLOGY
5	5'	12"	18 12 8 17	-Drk Brown clays w/o RKS	Stiff little to No H2O		
10	10'	8"	15 14 11 5	Blk sands + cashes or cinders - Not a native material	No Cohesive strength DRY		
	12'	11"	7 9 4 5	Top 9" Blk sand + ashes or cinder some organics Bottom 2" Wood, Hobby from a RR tie -	No Cohesive strength DRY Damp		
15	14'	5"	50/5"	Top 2" Blk ash w/ some ~~as~~ organics Next 1" Brick (Red Bottom 2" Wood			
	16'	3"	50/3"	Wood Next Sample will be 19'-21'			
	18'						
	19'	3"	50/3"	Wood			

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

CSC = Continuous Soil Core

44 SHELTER ROCK ROAD
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2 of 2

TEST BORING LOG

BORING NO. MW-13M

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

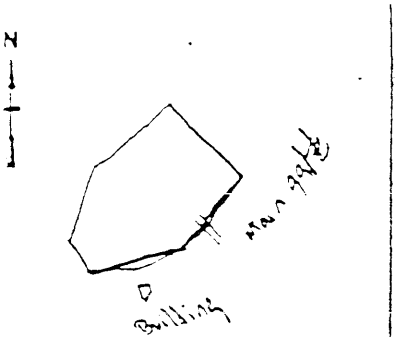
WELL INSTALLED? YES ☑ NO ☐

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
(FT. ABOVE M.S.L.)

REMARKS:



DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS
	24'		7	Top 5" Wood	Stiff → soft
5		24"	5	Bottom 19" Greyish red clays, No Rocks	little to No H_2O
	26'		5	~~Reddish Grey clays w/ some rocks~~	
	30'		1	Top 2" Wood – Maybe from a plug in Bottom of auger	Soft
10		12"	1	Bottom 10" Reddish / Grey Clays w/ some Rx Frag Pebbles	Wet.
	32'		1		
	32	0"	2	There wasn't a basket in the spoon.	
			5		
	34		8		
	34'	0"	6	Bed Rock	Bottom of Borring
15	36'		50/0"		

WELL CONST. | GRAPHIC LITHOLOG

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

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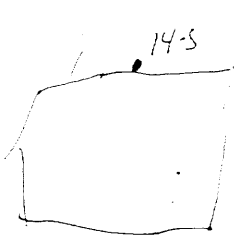
TEST BORING LOG



BORING NO. 14-S

PROJECT NO.. NAME: UNION ROAD | LOCATION: Buffalo NY

DRILLING CONTRACTOR/ DRILLER: Maxim Technologies

GEOLOGIST, OFFICE: Mark Cambra NES Danbury, 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: Slotted MAT.: Stainless Steel 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 DATE: 8/19/97

REMARKS: Replaced Previous 14-S well.

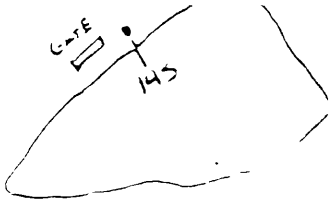
DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHOLOG
				Topsoil		grout	
				Fill - Reddish brown Sandy Clay		3.8 Bentonite	
5						5.3	
				Reddish Brown Clay	SAND	6.8	
10							
15						16.8	
				End of Boring		17.3	

See 14-S Previous

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. 14-S

PROJECT NO. NAME: UNION ROAD 2035-200

LOCATION: BUFFALO NY

DRILLING CONTRACTOR/DRILLER: MADIM

GEOLOGIST. OFFICE: JOHN J ZACHER JR

DRILLING EQUIPMENT. METHOD	SIZE TYPE OF BIT	SAMPLING METHOD	START. FINISH DAT
HSA	6" HSA	SPLIT SPOON	12-30-91

WELL INSTALLED?	CASING MAT./DIA.	SCREEN: TYPE	MAT.	LENGTH	DIA.	SLOT SIZE
YES ☒ NO ☐	STAINLESS STEEL/2"	SLOT	STAINLESS	10'	2"	0.020

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

REMARKS:

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	LOG OF TEST BORING DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LOG
				SAMPLING STARTS AT 4' B.G.			
				A Bandes 8/19/97			
4'			7	TOP 1" - WOOD			
			14	1-11" - BROWN CLAY W/LITTLE GRAVEL	STIFF, DRY		
5		20"	17	11-17" CINDERS			
6'			12	17-20 BROWN CLAY W/ SOME ORGANIC	DRY STIFF, DRY		
6'			19	0-7" - FILL - CINDERS, STONES, BRICK -			
		19"	14	7-19" - BROWN CLAY W ~~SOME~~ GREY VARBING	STIFF, TRACE H_2O		
8'			17				
			23				
8'			5	0-7" BROWN CLAY W/ LITTLE ROOTS (TR*)	STIFF, LITTLE TO H_2O		
			7	7-22" REDIBROWN CLAY	STIFF, LITTLE TO H_2O		
		22"	9				
10'			10				
10			16	REDIBROWN CLAY, TRACE ORGANICS (ROOTS)	STIFF - LITTLE TO H_2O		
			12				
		22"	13				
12'			14				
12			5	REDIBROWN CLAY - SOME GREY VARBING	STIFF LITTLE TO H_2O		
			7				
		24"	8		NO 4" - SOME H_2O		
14			10	REDIBROWN CLAY SOME GREY VARBING	STIFF / LITTLE H_2O		15
			3				
15		24"	5				-Bed
16'			4				
16			12	REDIBROWN CLAY W/SOME GREY	STIFF - LITTLE H_2O		17.
		24"	13				
			15				
18			13				
18			0	0-4" MIX BROWN/GREY CLAY	MED STIFF SOME TO H_2O		4
		24"	3				
20			5	4-24" GREY SANDY CLAY (40-50%)	SOFT, 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. 145

PROJECT NO., NAME | LOCATION

DRILLING CONTRACTOR/DRILLER

GEOLOGIST, OFFICE

DRILLING EQUIPMENT, METHOD | SIZE, TYPE OF BIT | SAMPLING METHOD | START, FINISH DA

WELL INSTALLED? YES ☐ NO ☐ | CASING MAT./DIA. | SCREEN: TYPE MAT. LENGTH DIA. SLOT SIZE

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

REMARKS:

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	LOG OF TEST BORING DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LOG
20'			6 9	GREY CLAY	SOFT, WET		
22'		18"	3 7				
24			weight of	GREY CLAY	VERY SOFT, WET		
24		15"	ROD		SOFT, WET		
25			0 0	GREY CLAY			
26		18"	3 2		SOFT		
26			2	GREY CLAY	SATURATED		
28		24"	3 3		SATURATED, SOFT		
25			6 0	G-S GREY CLAY			
30		24"	0 1 4	5-20' GREY CLAY, SOME ROCKS BOB	VERY WET - SOFT		

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

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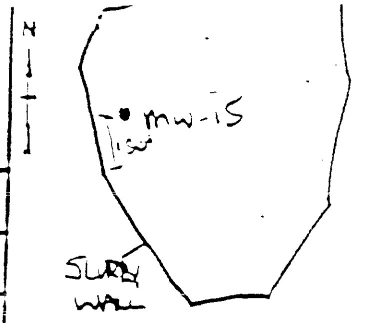
TEST BORING LOG



BORING NO. MW-15

PROJECT NO., NAME	LOCATION
UNION ROAD	ON LANDFILL CAP

DRILLING CONTRACTOR/DRILLER MAXIM-EMPIRE · P. JENCE

GEOLOGIST, OFFICE HANLON / SZWAJA DANBURY

DRILLING EQUIPMENT, METHOD	SIZE, TYPE OF BIT	SAMPLING METHOD	START, FINISH DATE
833 BSA HSA	6.25" H.S.A	SS	2/20/06

WELL INSTALLED?	CASING MAT., DIA.	SCREEN: TYPE	MAT.	LENGTH	DIA.	SLOT SIZE
YES ☒ NO ☐	SS 2"		SS	10'	2"	0.0

ELEVATION OF: (FT. ABOVE M.S.L.)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN	GW SURFACE	DATE
	618.8	620.0'	610'-600'	NA	2/20/06

REMARKS: ELEVATION AND DEPTHS RELATIVE TO PRECAP SURFACE

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHO LOG
0–2		2'	26/6	Brush graded clay silt & gravel. FILL organic. TAN/BROWN HARD/FIRM. MOIST (FROZEN) + LITTLE 1/4" gravel.			
2–4		1'	13/4	TAN/BROWN CLAY, FIRM, NO COARSE MATERIALS BLOWING.			
4–6		1.5'	27/6	COARSE FILL MAT'L COARSE. BLACK SAND & GRAVEL w/ TRACE FINES. TAN. 1" SUBANGULAR ROCK FRAG. TAN FIRM SILT CLAY. NO COARSE MAT'L	Grout →		
6–8		1.5'	11/4	GREY/GREEN CLAY, NO COARSE MATERIAL, SOFT. TRACE SILT	Fine Sand →		
8–10		1.5	9/6	SAME BUT BLACK. SILTY CLAY. TRACE ORANGE SAME BUT GREEN/GREY. SILTY CLAY.	Coarse Sand →		
10–12		2'	3/6	Green/Grey SILT. SOME CLAY. soft.			
12–14		1.5'	6/6	SAME			
14–16		1.5'	4/6	SAME			
16–18		2'	4	SAME			

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

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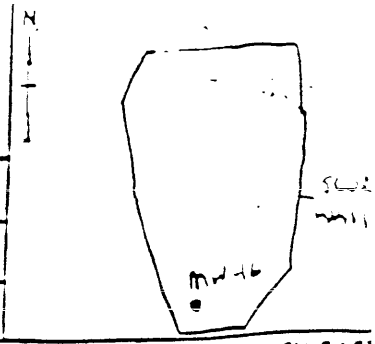
TEST BORING LOG



BORING NO.	MW-16
PROJECT NO., NAME	UNITED ROAD
LOCATION	CAP INTERIOR
DRILLING CONTRACTOR/DRILLER	MAXIM/EMPIRE BRUCE
GEOLOGIST/OFFICE	HANLON/SZWAJA Danbury
DRILLING EQUIPMENT, METHOD	CME 850 HSA
SIZE, TYPE OF BIT	6 1/4"
SAMPLING METHOD	SS
START, FINISH DATE	2/21/96
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: (FT. ABOVE M.S.L.) GROUND SURFACE	~~618.8~~ 618.9
TOP OF WELL CASING	620.0
TOP & BOTTOM SCREEN	~~[illegible]~~ 610.0 - 600.0
GW SURFACE	NA
DATE	2/21/96
REMARKS:	ALL ELEVATIONS AND DEPTHS RELATIVE TO PRE-CAP GRADE

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHOLOGY LOG
0–2'		2.0'	35	Hard Brown Clay, 10% Gravel	Frozen		
2'–4'		1.5'	20	Upper 12" Same; Bottom 6" CINDERS	DRY	Grout →	
4'–6'		1.0'	8/ft	SAME	DRY		
6'–8'		9"	12/ft	TAN SAND, SILT, SUBANGULAR ROCK FRAGS WELL GRADED; 1" of BLACK CINDER [illegible]; TAN [illegible], NO [illegible] MATERIAL		Fine Sand →	
8'–10'		2'	5/ft	SOFT TAN/BROWN CLAY, NO COARSE MATERIAL. SLIGHT Fe STAINS			
10'–12'		1.5'	5/ft	SAME but gray/green; SAME + TRACE ORGANICS.			
12'–14'		1.5'	5/ft	SAME			
14'–16'		1.5'	4/ft	SAME + some (20%) ROCK FRAGS TO 1/4", ANGULAR IN BOTTOM 6"			
16'–18'		1.5'	12/ft	SAME.	MOIST		
18'				EOB 19.0'		Coarse 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

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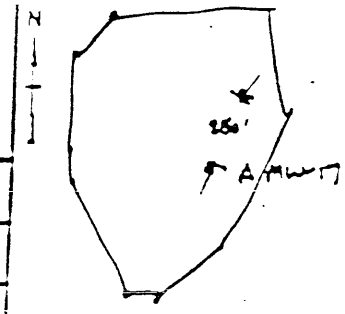
TEST BORING LOG



BORING NO. MW-17	
PROJECT NO., NAME: Union Road	LOCATION: LANDFILL CAP
DRILLING CONTRACTOR/DRILLER: Marin-Spring / P. Bence	
GEOLOGIST, OFFICE: M. Sbrana / Danbury	
DRILLING EQUIPMENT, METHOD	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. SS LENGTH 10' DIA. 2 SLOT SIZE 20
ELEVATION OF: (FT. ABOVE M.S.L.)	GROUND SURFACE; TOP OF WELL CASING; TOP & BOTTOM SCREEN; GW SURFACE DATE
REMARKS:	

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	LOG OF TEST BORING — DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHOLOG
		2.25'	20/ft	TAN/BROWN CLAY. FROZEN. NO COARSE MATERIAL	FROZEN		
2'				2'			
		2.5'	42/ft	BLACK/DARK RED SILTY SAND. GRAVEL PRESENT. FE STAINING.	WET		
4'				4'			
		1.0'	11/ft	TAN/BROWN CLAY SOFT. NO COARSE MATERIAL. FE STAINING	DRY		
5				5' BROWN/BLACK CLAY. TRACE GRAVEL. FE STAINING. ROOT FRAGS.			
6'		1.25'	24/ft	6.5' BLACK CLAY. 30% organics (wood), TRACE COARSE MATERIAL (GRAVEL, GRAVEL). ODOR			
8'		1.5'	11/ft	8' SOFT BROWN CLAY. FE STAINING. NO COARSE MAT'L. TRACE BLACK CINDER FILL MAT'L.			
10		0.5'	11/ft	SAME			
12'		0	7/ft	NO RECOVERY	WET		
14'							
15		0	8/ft	NO RECOVERY			
16		0.8'	11/ft	SAME. NO FILL MAT'L. TRACE ORGANICS (WOOD) GRAVEL.			
18				18.5'			
		1.5	14/ft	GRAY/BROWN CLAY W/ BLACK STAINING. TRACE ORGANICS (WOOD) NO COARSE MAT'L. FE 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

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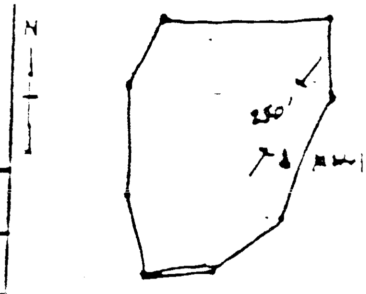

TEST BORING LOG

BORING NO. MW-17	
PROJECT NO., NAME: [illegible] Road	LOCATION: Landfill cap
DRILLING CONTRACTOR/DRILLER: [illegible] Empire / D. [illegible]	
GEOLOGIST, OFFICE: M. [illegible] / Danbury	

DRILLING EQUIPMENT, METHOD	SIZE, TYPE OF BIT	SAMPLING METHOD	START, FINISH DATE
B53 HSA	6.25" HSA	2" SS	2/22/96

WELL INSTALLED?	CASING MAT./DIA.	SCREEN: TYPE	MAT.	LENGTH	DIA.	SLOT SIZE
YES ☑ NO ☐	2" SS		SS	10'	2"	20

ELEVATION OF: (FT. ABOVE M.S.L.)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN	GW SURFACE	DATE
	619.1	620'	605' - 595'	~605'	2/22

REMARKS: Elevations & depths relative to pre-cap topo.

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHO LOG
20–22'		2'	14/ft.	(SAME) Grey/black [illegible] staining. Trace organic [illegible] mat'l. [illegible] staining	WRT ↓		
22–24'		1.5'	15/ft	23.0' Black silt & sand. Trace organic mat'l.			
24'				E.O.B. 24.0'			

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

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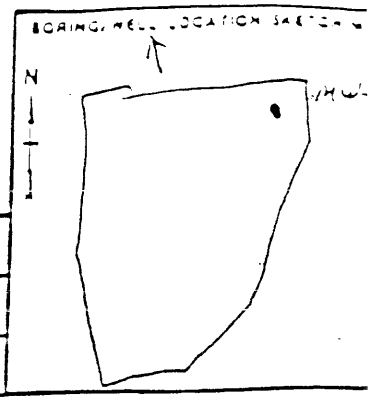
TEST BORING LOG

BORING/WELL LOCATION SKETCH



BORING NO. MW-3	
PROJECT NO.. NAME UNION ROAD	LOCATION CAP INTERIOR
DRILLING CONTRACTOR/ DRILLER MAINE EMPIRE PHIL BENGE	
GEOLOGIST/ OFFICE Hanlon/Schlatz, DANBURY	
DRILLING EQUIPMENT. METHOD CME 750	SIZE TYPE OF BIT 6" HSA / SAMPLING METHOD SS / START. FINISH DAT 2/19/96
WELL INSTALLED? YES ☒ NO ☐	CASING MAT./DIA. SS 2" / SCREEN: TYPE MAT. SS LENGTH 10' DIA. 2" SLOT SIZE 0.20
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 / DATE 2/19/96
REMARKS: ELEVATIONS AND DEPTHS RELATIVE TO PRE-CAP GURFACE	

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	LOG OF TEST BORING — DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHO LOG
		2'	32/FT	Tan clay, Hard, No coarse, Dry	(Topsoil)		
		1'	10/FT	Tan clay, ~~SFT~~ Firm, No coarse, Dry			
5		1'	12/FT	Tan/Brn Clay, Firm, No Coarse, Dry	grout		
		2'	15/FT	Brown clay, ~~SFT~~ Firm, No Coarse, Dry Festering			
		1'	14/FT	Same			
10		1.5'	24/FT	Same w/ trace organics + SH bottom 6"			
		1.5'	27/FT	Same w/ trace rock frags (angular, fine)	Fine Sand		
15		1.5'	20/FT	Same (5% clast to 10%)			
		2'	34/FT	Same	Coarse Sand		
		1.5	4/FT	Same but SFT + 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

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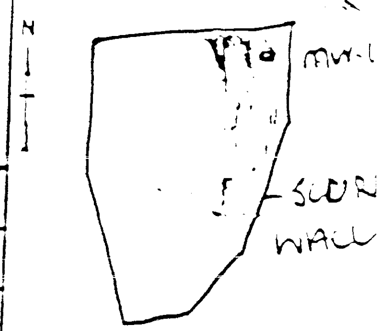
TEST BORING LOG

BORING, WELL LOCATION SKETCH



BORING NO. MW-18			
PROJECT NO., NAME: UNION ROAD	LOCATION: INSIDE CAP AREA		
DRILLING CONTRACTOR/DRILLER: MARTIN/EMPIRE P. BENKE			
GEOLOGIST, OFFICE: HANLEY/SEWARD DANOLZI			
DRILLING EQUIPMENT, METHOD: CME 850 HSA	SIZE, TYPE OF BIT: 6 1/4 HSA	SAMPLING METHOD: SS	START, FINISH DATE: 2/19/96
WELL INSTALLED? YES X NO ☐	CASING MAT./DIA.: SS 2"	SCREEN: TYPE — MAT. SS LENGTH 10' DIA. 2"	SLOT SIZE 0.20
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 DATE 2/19/96
REMARKS: ELEVATIONS AND DEPTHS RELATIVE TO PRE-CAP SURFACE			

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHO LOG
20							
	1	1'	9/ft	Same, Trace Black Shale Chips	Coarse Sand →		
	2	2'	3/ft	Brown Sandy Clay, 20% organic Very Soft Trace Rock Frags Bottom 6" Very Soft Wet Brown Clay trace Rock fragments - angular largest ~1"			
25							
				EOB 24.5'			
10							
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

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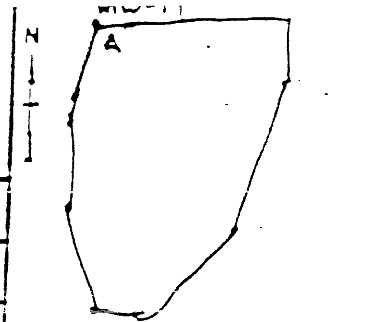
TEST BORING LOG



BORING NO.	MW-19
PROJECT NO., NAME	Union Road
LOCATION	Landfill Cap
DRILLING CONTRACTOR/DRILLER	Mann-Lamab, P. Benle
GEOLOGIST, OFFICE	Szwaka Danbury
DRILLING EQUIPMENT, METHOD	B53 HSA
SIZE, TYPE OF BIT	6.25" HSA
SAMPLING METHOD	2" S.S.
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: (FT. ABOVE M.S.L.) GROUND SURFACE	618.5'
TOP OF WELL CASING	617.5'
TOP & BOTTOM SCREEN	605' - 595'
GW SURFACE	unk.
DATE	2/22/96
REMARKS:	Elevation & depth relative to pre-cap surface

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHO LOG
0–2'		1.25	15/ft	Well-graded sand, silt & gravel. Tan/brown. Frozen/hard	Frozen		
2'–4'		1.0'	12/ft	2' Firm brown/tan clay & Fe+ & black staining. No coarse mat'l.	0.2%		
4'–6'		1.5	15/ft	Same		Grout	
6'–8'		1.5'	26/ft	7.0' Same with trace 1/4" gravel (rounded), v. hard	0.2%		
8'–10'		0.5'	62/ft	8.0 Tan, dry, hard, clay & silt. Fe+ staining. Trace gravel, occas. single black organic mat'l & staining		Fine Sand	
10'–12'		1.75'	24/ft	11 Black, firm, dry clay. Trace organics. Angular, subrounded gravel & ...			
12'–14'		1.0'	14/ft	12' ... black fill mat'l ... Black, wet, silty sand, some gravel. Ash, glass. Petrol. odor. Trace organics	WET	Coarse Sand	
14'–16'		1.0'	10/ft	Same. Slight sheen present. Brick, ... frags. Present.			
16'–18'		1.0'	6/ft	16' Soft, wet, gray/gray clay, black mottling from organic. Trace organic mat'l. Fe+ staining. No coarse mat'l.			
18'–20'		1.25'	11/ft	18.5 Same but tan/brown clay, gray streaks, no coarse mat'l. Fe+ staining. Firm.	E.O.B @ 20'		

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

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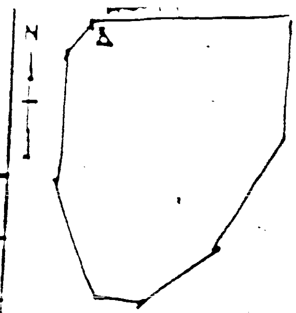
TEST BORING LOG



BORING NO.	MW-19
PROJECT NO., NAME	Union Road
LOCATION	Landfill Cap
DRILLING CONTRACTOR/DRILLER	Maxim-Empire, P. Bence
GEOLOGIST, OFFICE	Squaya, Danbury
DRILLING EQUIPMENT, METHOD	55B HSA
SIZE/TYPE OF BIT	6.25" HSA
SAMPLING METHOD	2" SS
START, FINISH DATE	2/23/96

WELL INSTALLED?	CASING MAT./DIA.	SCREEN: TYPE	MAT.	LENGTH	DIA.	SLOT SIZE
YES ☒ NO ☐	2" SS		SS	10'	2"	20

ELEVATION OF: (FT. ABOVE M.S.L.)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN	GW SURFACE	DATE
	618.5'	617.5	605' - 595'	ina.	2/23/96

REMARKS: Elevations & depths relative to pre-cap elev.

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHO LOG
0–20				←— 20' E.O.B —→			
5							
10							
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

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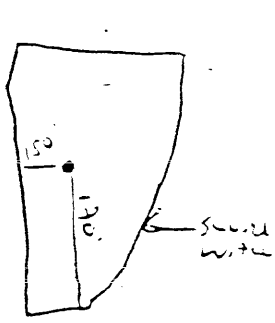
TEST BORING LOG



BORING NO. MW-20	
PROJECT NO.. NAME UNION RD	LOCATION INTERIM CAP
DRILLING CONTRACTOR/DRILLER MAXIM/EMPIRE BENCE/BOITNOTT	
GEOLOGIST. OFFICE HANSON/SUWAYA DANBURY	

DRILLING EQUIPMENT. METHOD	SIZE TYPE OF BIT	SAMPLING METHOD	START. FINISH DATE
CME 850 HSA	6¼"	SS	2/2/96

WELL INSTALLED?	CASING MAT./DIA.	SCREEN: TYPE	MAT.	LENGTH	DIA.	SLOT SIZE
YES ☒ NO ☐	SS 7"		SS	10'	7"	0.20

ELEVATION OF: (FT. ABOVE M.S.L.)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN	GW SURFACE	DATE
	614.6	617.0	607.0 – 597.00	NA	2/11/96

REMARKS: ELEVATION AND DEPTHS RELATIVE TO PRE-CAP SURFACE

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHOLOGY
		1.5	8	Brown Clay; NO coarse, frozen, BOTTOM 4" Black w/15% organics	FROZEN		
		1.0	26	FIRM Brown Clay trace organics and silt	moist		
5		1.5	19	Same BOTTOM 12" Black fine granular material w/charcoal odor, 10% organics 10% "FOAM BOARD"	moist		
		2'	14	Black Firm Clay 10% organics TRACE 1/2" Rock Frags	moist		
10		1.5	24	BOTTOM 4" Firm tan Clay, NO coarse			
		5"	16	First 6" Same w/organics 1st Gray Sandy Clay Next 6" Red Sand w/Black Cinders Some Clay Next 6" WHITE cinesy ash w/30% wood	moist		
		0.5'	8	soft tan Clay, NO coarse	wet		
15		2	8	Fine Sand/Silt red w/Black Stringy 10% organics Fine Black Fine Sand Trace red fine sand	DRY moist		
		1.5	3	Same Trace organics	WET		
		1.0	3	Brown Clay + SAND w/Black Stringy, Strong Petroleum ODOR, Sheening, 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

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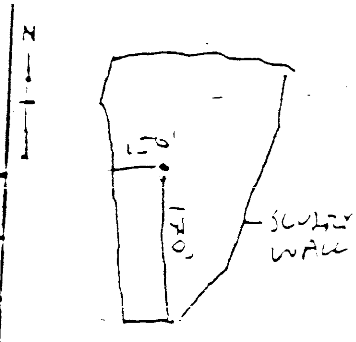
TEST BORING LOG



BORING NO. MW-20			
PROJECT NO., NAME: UNION ROAD		LOCATION: INTERIOR OF CAP	
DRILLING CONTRACTOR/DRILLER: MAXIM / EMRIE BENCE			
GEOLOGIST, OFFICE: HANLON/SWAIN DANBURY			
DRILLING EQUIPMENT, METHOD: CME 850 HSA	SIZE, TYPE OF BIT: 6 1/4"	SAMPLING METHOD: SS	START, FINISH DATE: 2/21/96
WELL INSTALLED? YES ☒ NO ☐	CASING MAT./DIA.: SS 2"	SCREEN: TYPE MAT. SS LENGTH 10' DIA. 2"	SLOT SIZE 0.20
ELEVATION OF: (FT. ABOVE M.S.L.) GROUND SURFACE: ~~624.6~~ 624.6	TOP OF WELL CASING: 627.0	TOP & BOTTOM SCREEN: 607.0 - 597.0	GW SURFACE: NA DATE: 2/21/96
REMARKS: ELEVATIONS AND DEPTHS RELATIVE TO PRE-CAP GRADE			

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHO LOG
20		0	3	~~[illegible]~~ ? NO RECOVERY			
		2.0	8	Same w/rks up to 1.5" grades into finer material w/ 30% organics			
				Bottom 3" Black clay, no coarse, trace organics			
25			7	Soft Gray clay, trace 1/8" rock frags, No odor, No petroleum			
			6	Same no rock frags	coarse sand		
				EOB 29.0'			
30							
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

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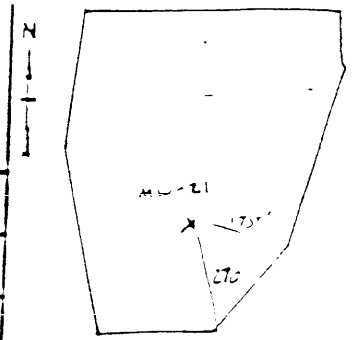

TEST BORING LOG

BORING NO. MW-21	
PROJECT NO., NAME: Union Road	LOCATION: Landfill cap
DRILLING CONTRACTOR/DRILLER: Maxim-Empire	
GEOLOGIST, OFFICE: Szwaja / Hanlon Danbury	

DRILLING EQUIPMENT, METHOD	SIZE, TYPE OF BIT	SAMPLING METHOD	START, FINISH DATE
B53 HSA	6.25" HSA	2" SS	2/22/96

WELL INSTALLED?	CASING MAT./DIA.	SCREEN: TYPE	MAT.	LENGTH	DIA.	SLOT SIZE
YES ☒ NO ☐	2" SS		S.S.	10'	2"	20

ELEVATION OF: (FT. ABOVE M.S.L.)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN	GW SURFACE	DATE
	623.9	625'	595'-605'	[illegible]	2/22/96

REMARKS: All elevations & depths relative to pre-cap grade

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/6"	DESCRIPTION	REMARKS
		2'	41/6"	Brown frozen clay.	Frozen
2'				Black coal and cinder clinker fill material trace organics. Frozen/very hard.	
		1.25'	UNK	Same	Air hammer on SS broken. Use manual 140# hammer.
4'		1.25'	9/6"		
5				Same w/ grey/black clay. Fe+ staining. 10-15% organics.	024
6				Black coal cinders present.	
		1'	50/6"	→ Light tan, dry, sand & gravel. No fines. Angular & sub-	
				→ Black & dark red cinder fill material. Dry. Trace fines. Rock frags 1", angular.	
8'				→ Medium silt & sand. Poorly graded. Dry.	
		1'	7/6"	Same w/ trace gravel (1/4") rock & cinder frags, rounded.	
				Black silt & fine sand. Trace organics. Dry.	
10					
		1.25'	9/6"	Poorly graded red sand. No coarse material. Dry. Fe+ stained	
12					
		0'	15/6"		
14'					
15		1'	5/6"	Same	
16'					
		0.5'	9/6"	Red silty sand. With gravel & rock mat'l.	Moist
18'					
			4/6"	Same	

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

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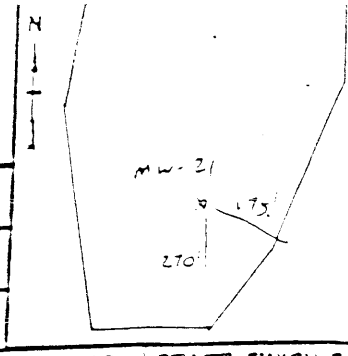
TEST BORING LOG



BORING NO. MW-21

PROJECT NO., NAME: Union Road

LOCATION: Landfill Cap

DRILLING CONTRACTOR/DRILLER: Maxim-Empire ; D. Rence

GEOLOGIST, OFFICE: M. Szuara ; Danbury

DRILLING EQUIPMENT, METHOD: 55 HSA

SIZE, TYPE OF BIT: 6.25" H.S.A.

SAMPLING METHOD: 2" SS

START, FINISH DA[TE]: 2/22/9[?]

WELL INSTALLED? YES ☒ NO ☐

CASING MAT./DIA.: 2" SS

SCREEN: TYPE — MAT. S.S. LENGTH 10' DIA. 2" SLOT SIZE 20

ELEVATION OF: (FT. ABOVE M.S.L.)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN	GW SURFACE	DATE
	623.9	625'	607'-597'	[illegible]	2/22/[illegible]

REMARKS: All Elevations & Depths relative to Landfill grade

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHO LOG
		0.25'	40/ft	Some 2" Rock Boulders SS opening			
22		1.0	19/ft	Black silt & sand, Angular Rock Frags. Slight petrol. odor			
24		1.5	[illegible]/ft	Grey clay no waste material			
25							
26				EOB @ 26'			
30							
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

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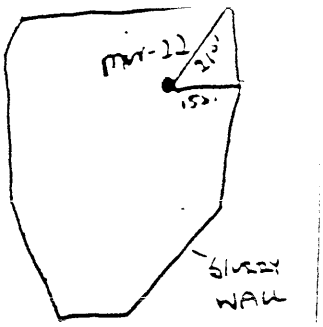
TEST BORING LOG



BORING NO. MW-22	
PROJECT NO., NAME: UNION ROAD	LOCATION: ENRICO LANDFILL CAP
DRILLING CONTRACTOR/DRILLER: MAXIM EMPIRE — D. BENÉ	
GEOLOGIST, OFFICE: HANLON/SZUWALA, DANBURY	
DRILLING EQUIPMENT, METHOD: CME 55B, HSA	SIZE, TYPE OF BIT: 6.25" HSA
SAMPLING METHOD: SS	START, FINISH DATE: 2/20/96
WELL INSTALLED? YES ☒ NO ☐	CASING MAT./DIA.: 2" SS
SCREEN: TYPE 10 SLOT MAT. SS LENGTH 10' DIA. 2" SLOT SIZE 10	
ELEVATION OF: (FT. ABOVE M.S.L.) GROUND SURFACE: 623.4	TOP OF WELL CASING: 626.40 — TOP & BOTTOM SCREEN: 606.0' - 596.0' — GW SURFACE: NA — DATE: 2/20/96
REMARKS: ~2' ABOVE GRADE ABOVE CURRENT SURFACE — PRE-CAP SURFACE	

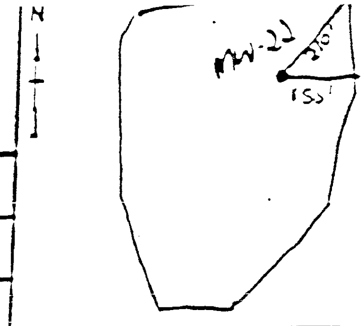
DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	LOG OF TEST BORING — DESCRIPTION	REMARKS
2	2'	13/16		TAN CLAY, WET. FIRM. BOTTOM 6" POSS. WASTE, BLACK STAIN, 20% ORGANIC & COARSE MAT'L	
	1'	5/16		SAME. NOT AS COARSE	
4'					
5	1.5'	12/18		SAME RED FINE/MED. SAND. NO FINES MOSTLY GRAVEL	
6'					
	1	10/16		SAME CINDER FILL MATERIAL, SOME BLACK MATERIAL, ROCK FRAGS TO 1/2",	
8'	1'	5/16		SAME W/ 1/2" ROCK WALL-LIKE MAT'L	
10	1'	4/12		SAME	
12	1'	5/16		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%

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

[redacted] (203) 796-5279

TEST BORING LOG



BORING NO. MW-22

PROJECT NO., NAME: Union Road

LOCATION: Inside Cap

DRILLING CONTRACTOR/DRILLER: Maxim-Env. P. Dence

GEOLOGIST, OFFICE: Hanlon / Szwarya Danbury

DRILLING EQUIPMENT, METHOD	SIZE, TYPE OF BIT	SAMPLING METHOD	START, FINISH DATE
CME 855	6.25" HSA	SS	2/20/96

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

ELEVATION OF: (FT. ABOVE M.S.L.)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN	GW SURFACE	DATE
	623.4	626.40	606' 596'	NA	2/20/96

REMARKS: PRE-CAP SURFACE

LOG OF TEST BORING

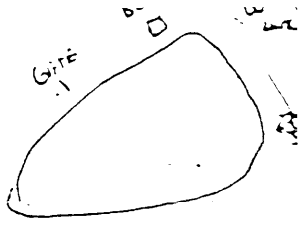
DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS
20–22		6"	15/ft	Angular gravelly mat'l. Asphalt, wood & sheet. Trace cons.! 2" angular rock.	
22–24		6"	15/ft	Same	
24–26		1'	11/ft	Grey clay, firm, tr. cobbles, no coarse mat'l.	Coarse sand
26–28		2'	9/ft	Same	
				EOB 28.0'	

WELL CONST. | GRAPHIC LITHO LOG

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



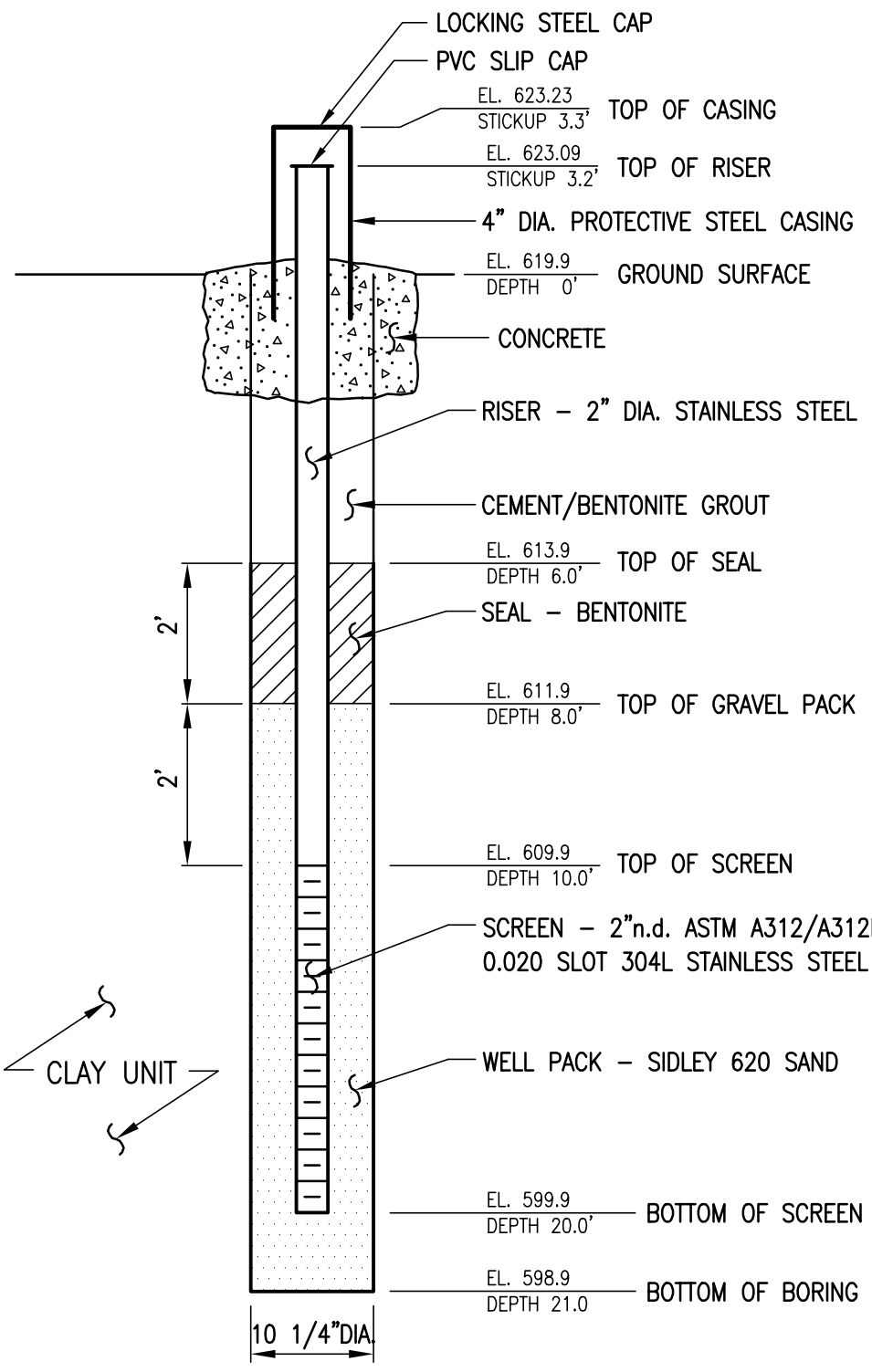
BORING NO. 23S	
PROJECT NO., NAME: UNION ROAD 2035-200	LOCATION: BUFFALO NY
DRILLING CONTRACTOR/DRILLER: MAXIM	
GEOLOGIST, OFFICE: JOHN J ZACHER JR	
DRILLING EQUIPMENT, METHOD: HSA	SIZE, TYPE OF BIT: 10" HSA; SAMPLING METHOD: SPLIT SPOON; START, FINISH DA: 1-6-97
WELL INSTALLED? YES ☒ NO ☐	CASING MAT./DIA.: STAINLESS STEEL 2"
SCREEN: TYPE SLOT MAT. STAINLESS LENGTH 10' DIA. 2" SLOT SIZE 0.02	
ELEVATION OF: GROUND SURFACE / TOP OF WELL CASING / TOP & BOTTOM SCREEN / GW SURFACE / DATE (FT. ABOVE M.S.L.)	
REMARKS:	

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (IN)	PENETRATION RESISTANCE BLOWS/FT	LOG OF TEST BORING: DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC
				SAMPLING STARTS 2' BG.			
2			4	0-4 TOPSOIL/SAND			
		15"	3	4-15 REDBROWN CLAY	STIFF - DRY		
4			7	15-18 REDBROWN CLAY, SOME ROCK	STIFF TRACE H2O		
			9		STIFF, TRACE H2O		
4			4	0-15 REDBROWN CLAY			
5		21"	6	15-21 SOME MOISTURE			
6			6				
6			8	0-10 REDBROWN CLAY	MEDSTIFF DAMP		
		24"	6	10-14 REDBROWN-GREY CLAY	MEDSTIFF DAMP		
8			4	14-24 GREY CLAY	MEDSTIFF, DAMP		
8			2	GREY CLAY, LITTLE SAND, LITTLE RKS	SOFT, WET		
		12"	2				
10			2				
10			6	GREY CLAY, LITTLE SAND, LITTLE RKS	SOFT WET		
		17"	5				
12			4				
12			2	GREY CLAY, LITTLE SAND, LITTLE RKS	SOFT WET		
		8"	3				
14			4				
14			4	GREY CLAY, LITTLE SAND LITTLE RKS	SOFT, WET		
15		10"	3				
16			3	BOB 16			

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

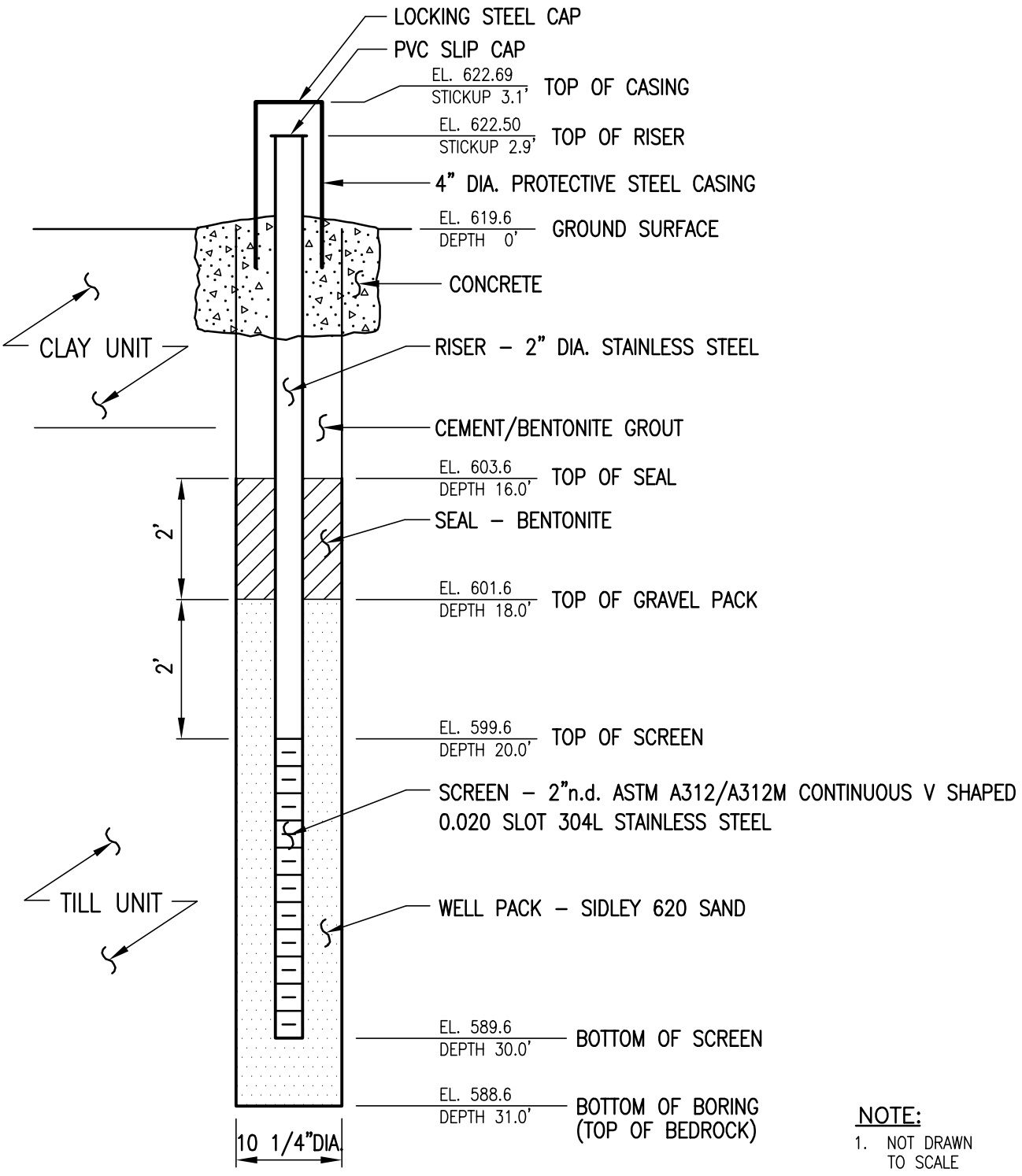


NOTE:

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

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

MW–10M



NOTE:

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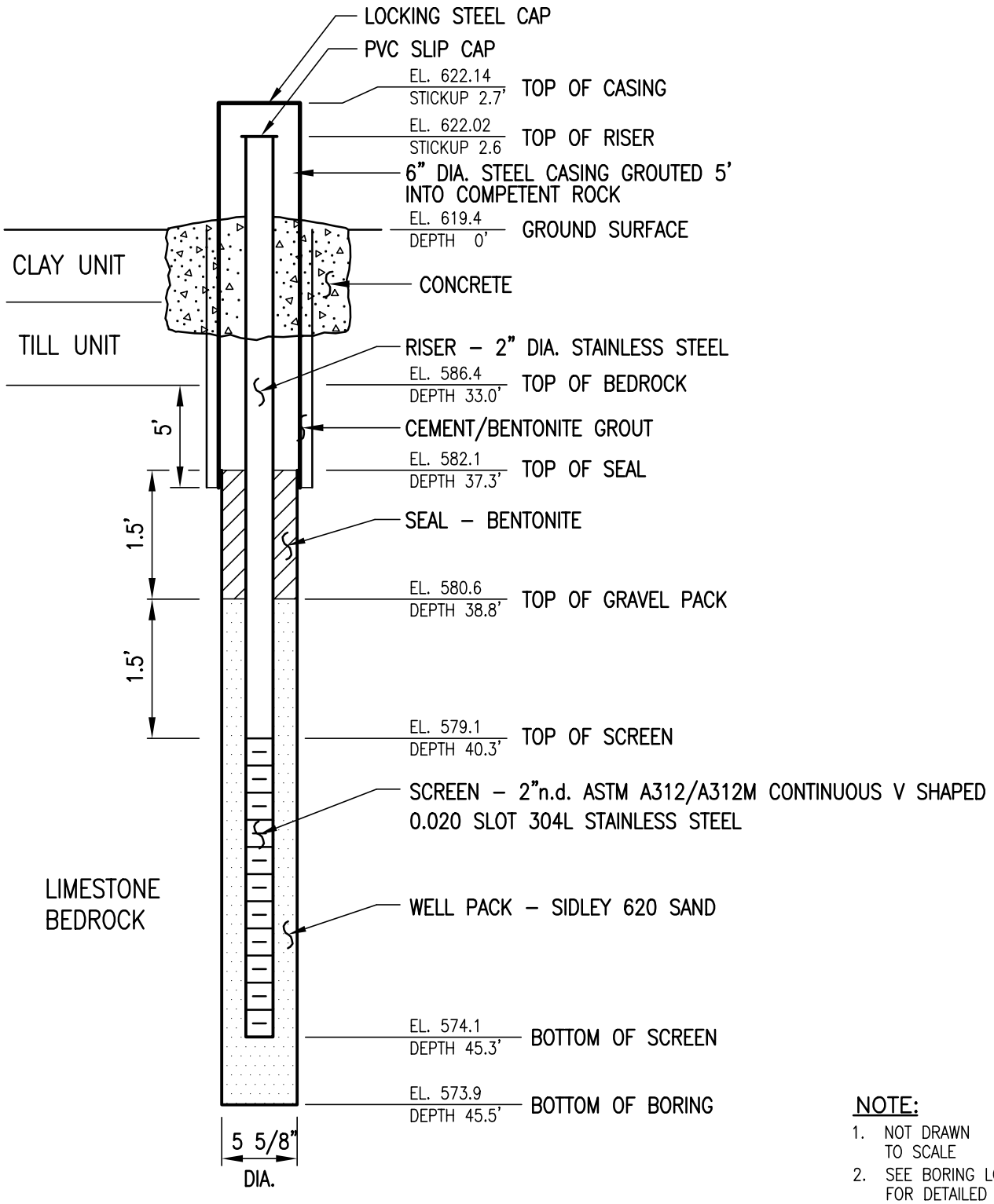
2. SEE BORING LOG FOR DETAILED SOIL DESCRIPTION.

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–10M

MW–10D

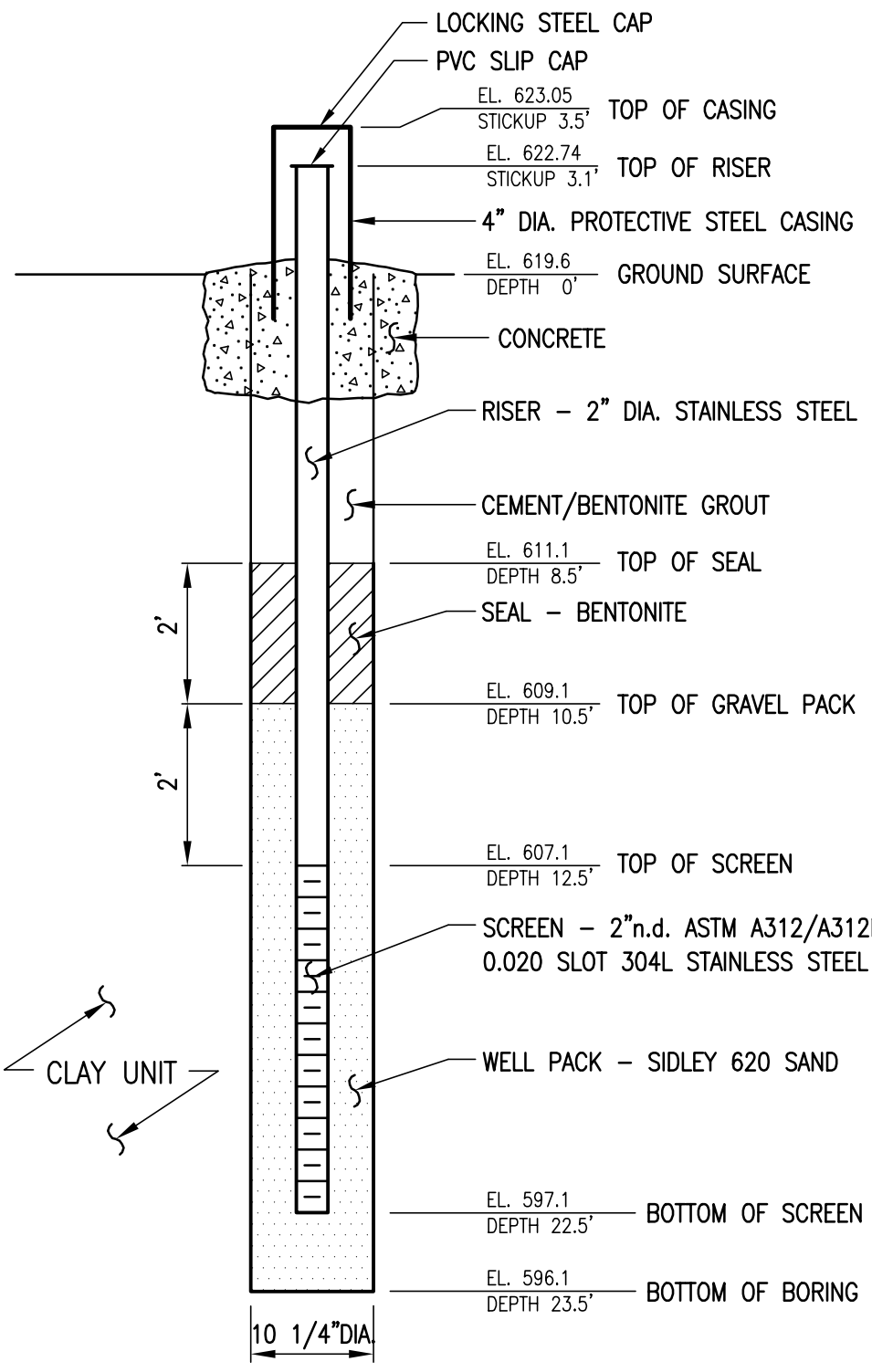


NOTE:

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

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

MW–11S

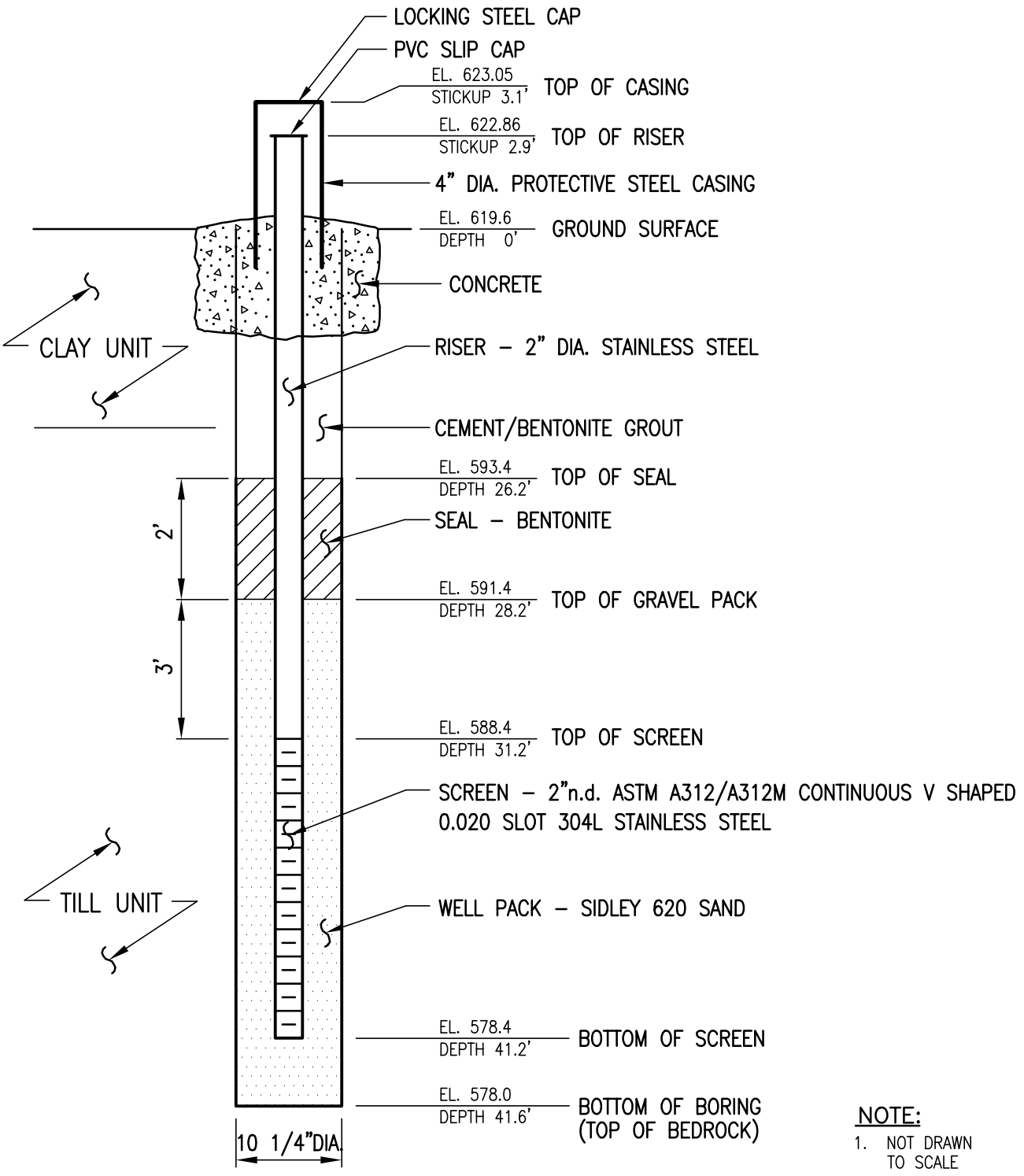


NOTE:

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

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

MW–11M



NOTE:

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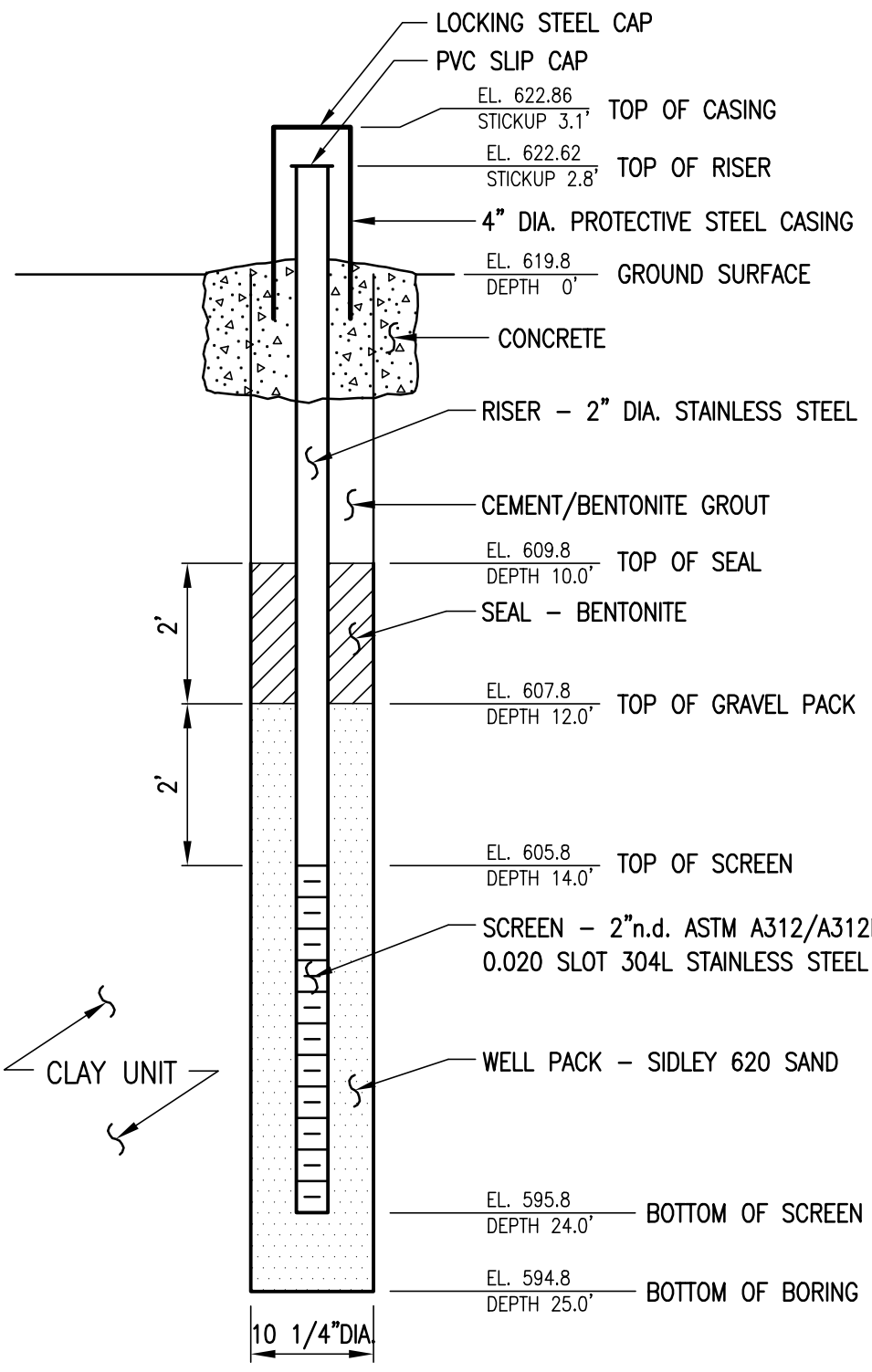
2. SEE BORING LOG FOR DETAILED SOIL DESCRIPTION.

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				FILENAME: 2035200A
					SCALE: NTS / DATE: 1/15/02
		DRAWING	MEDIUM GROUNDWATER MONITORING WELL DETAIL		BY: AD / CK:
					FIGURE # MW–11M

MW–12S

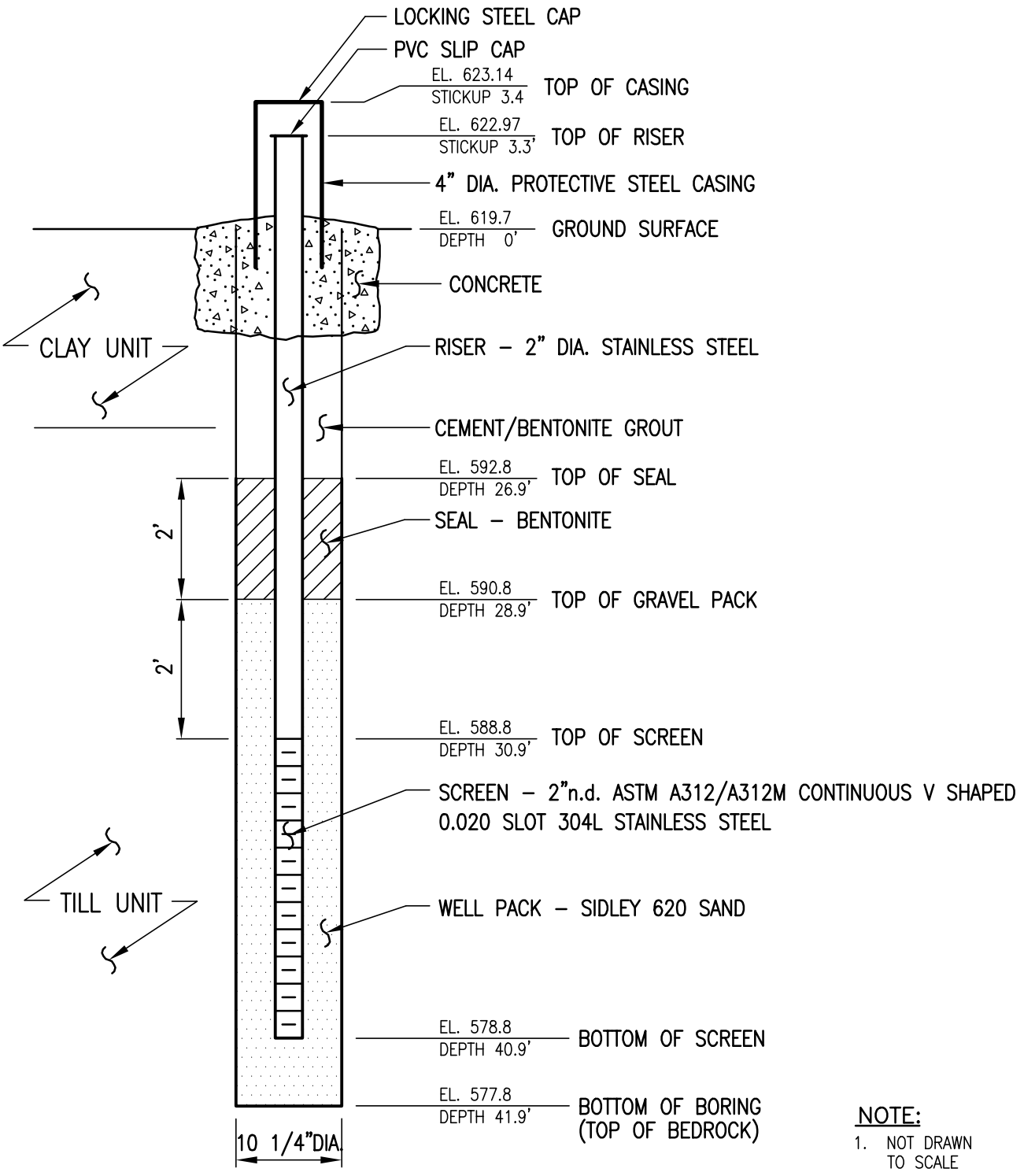


NOTE:

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

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

MW–12M

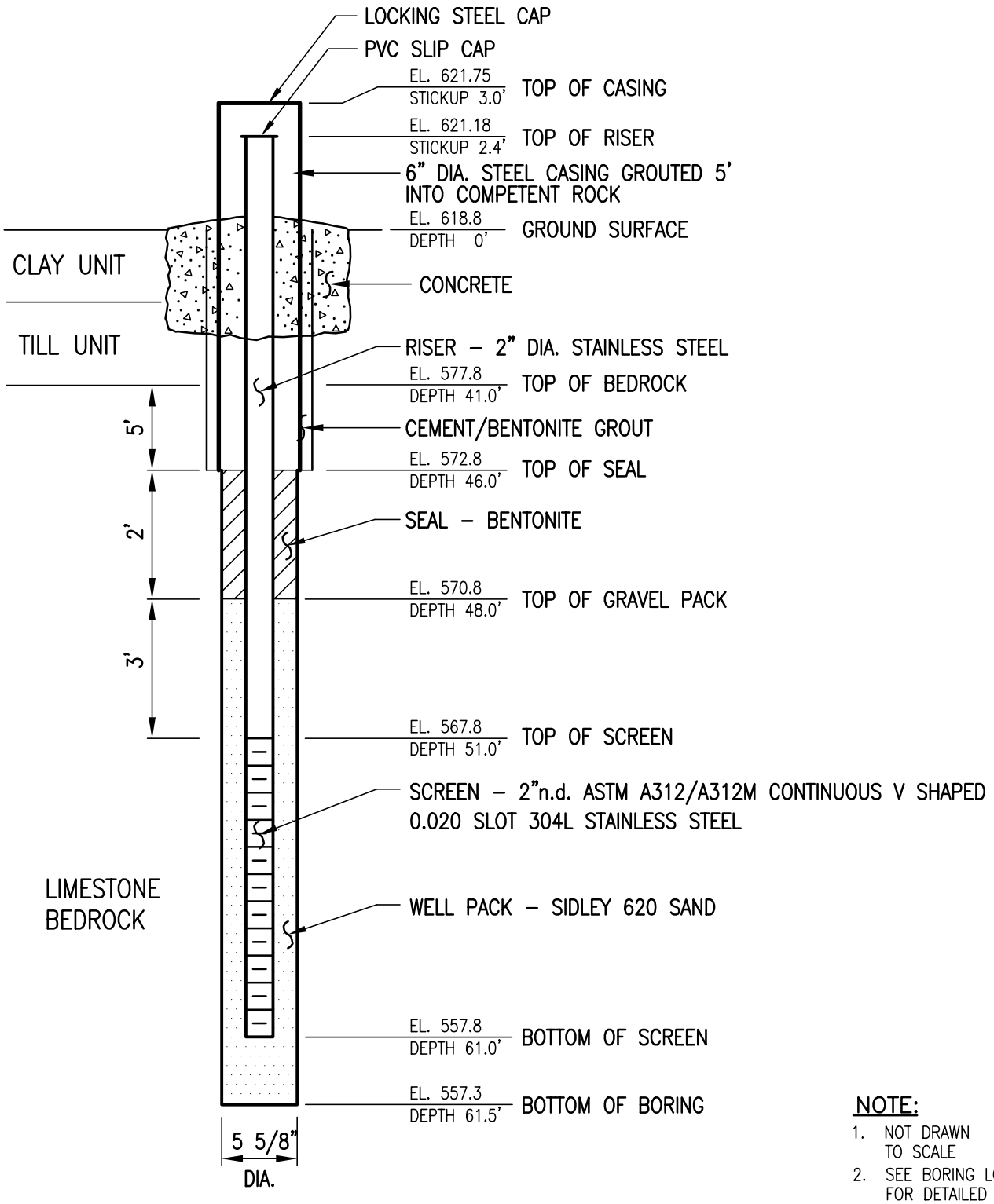


NOTE:

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

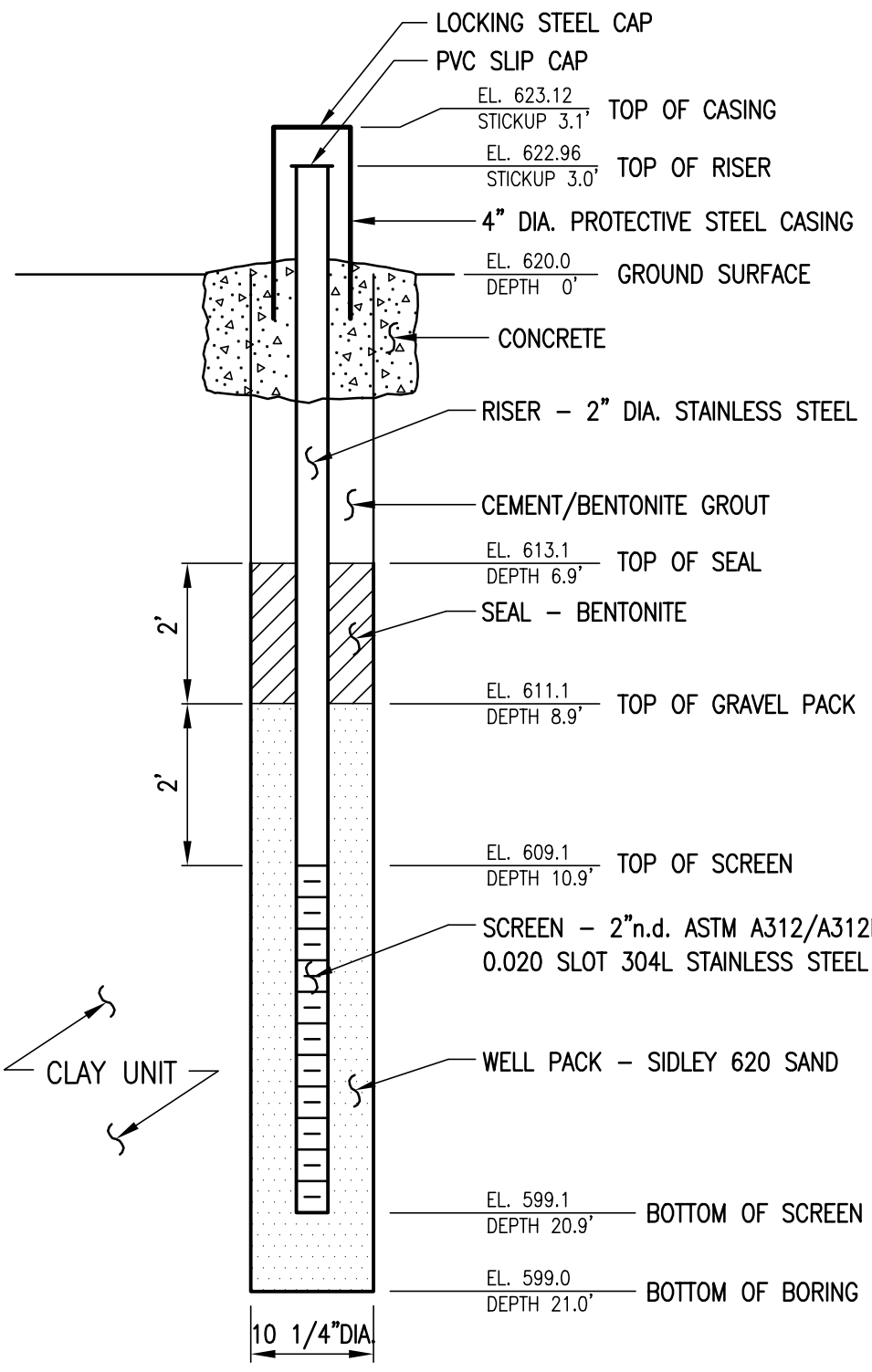


NOTE:

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

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

MW–13S

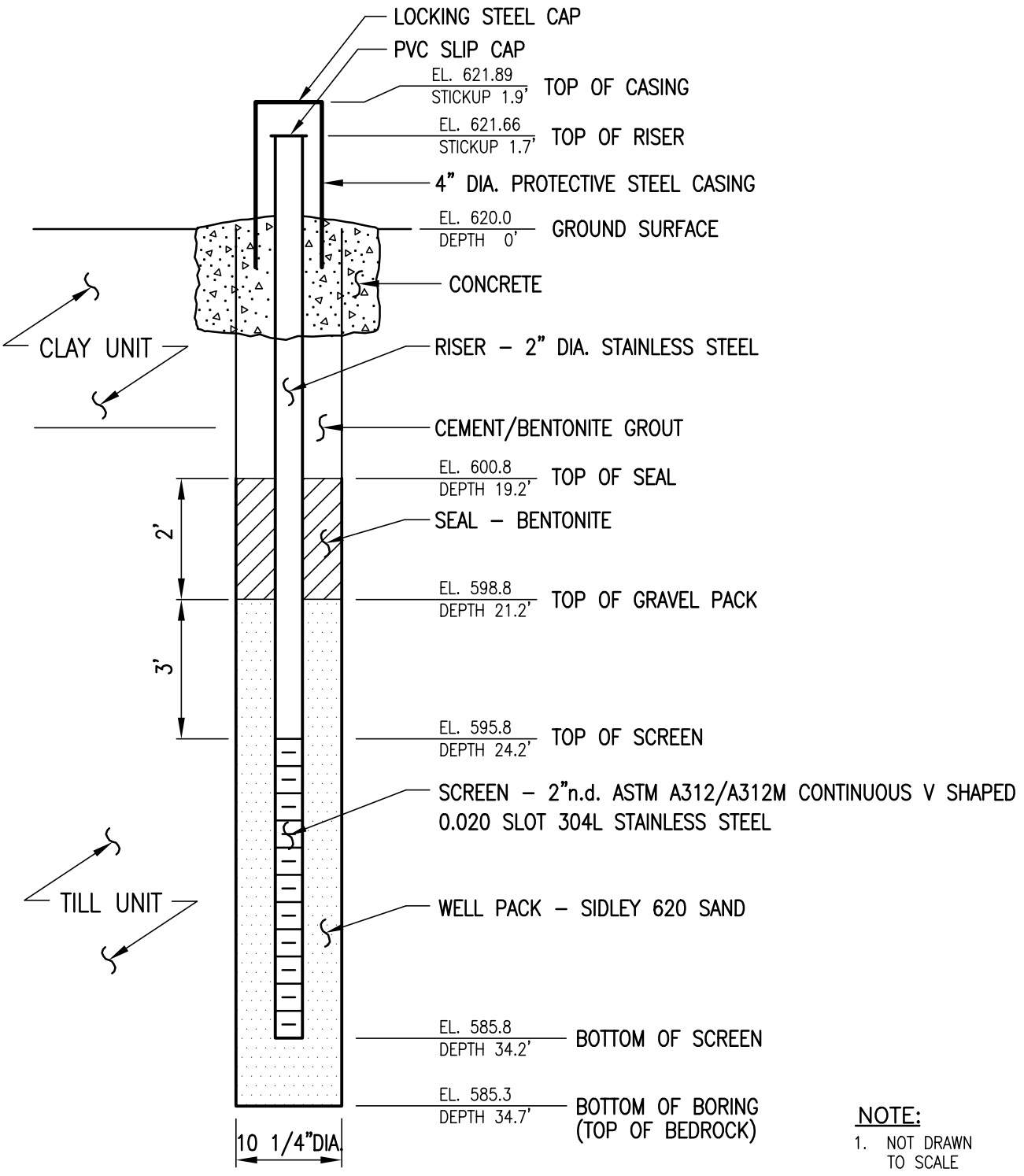


NOTE:

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

REVISION NO.		PROJECT	UNION ROAD CHEEKTOWAGA, NEW YORK	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	SHALLOW GROUNDWATER MONITORING WELL DETAIL		FIGURE # MW–13S

MW–13M

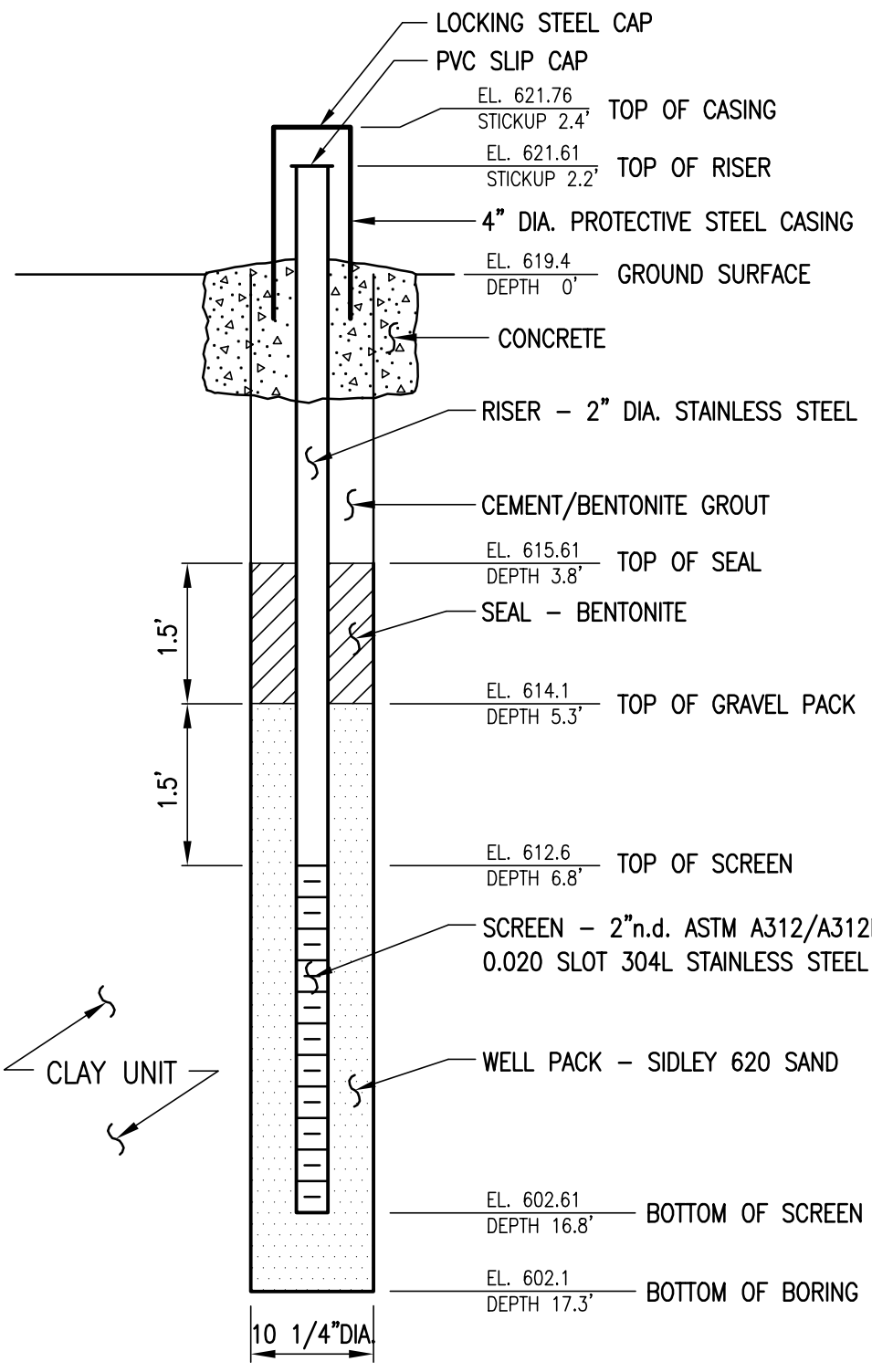


NOTE:

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

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

MW–14S

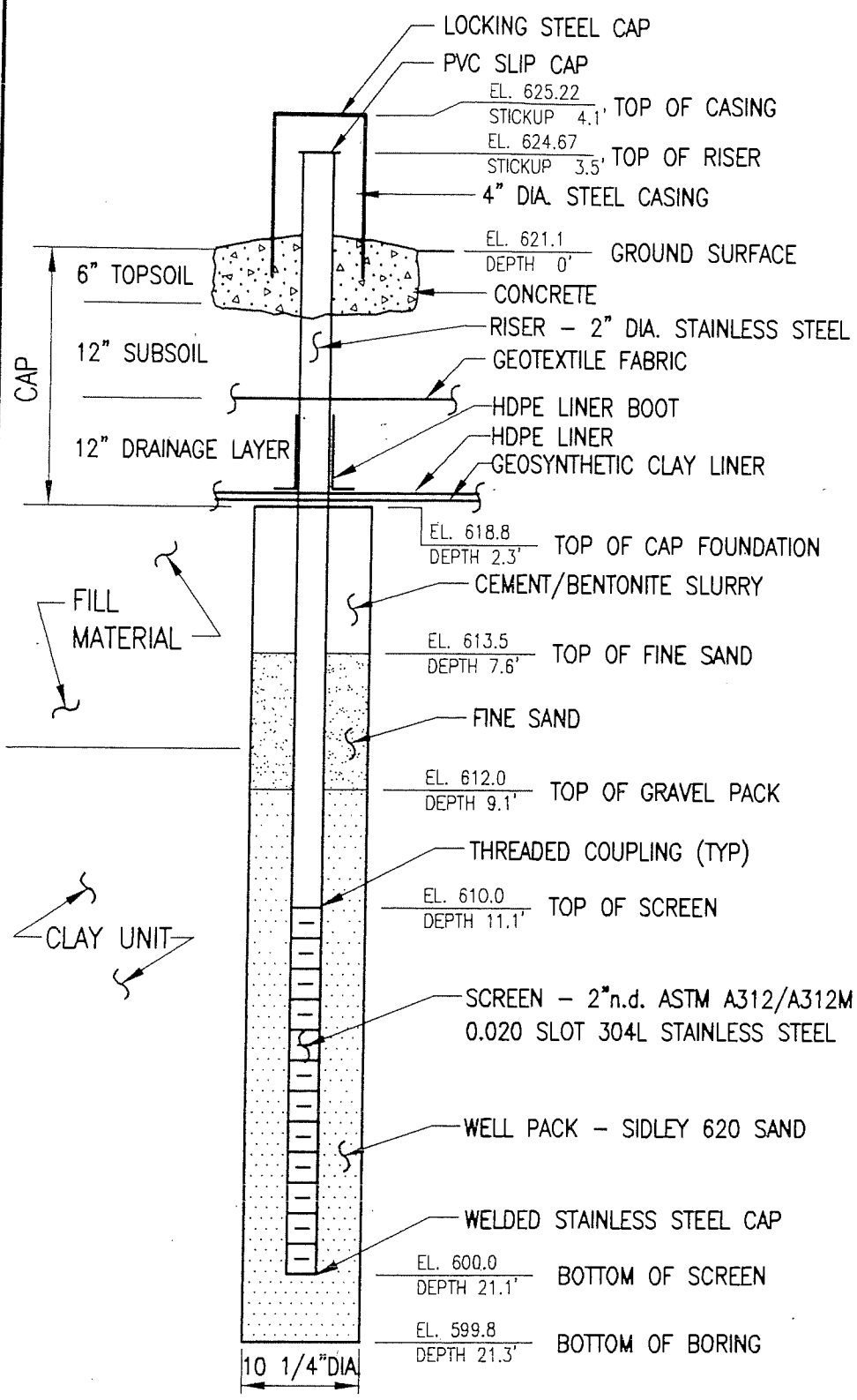


NOTE:

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

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

MW-15

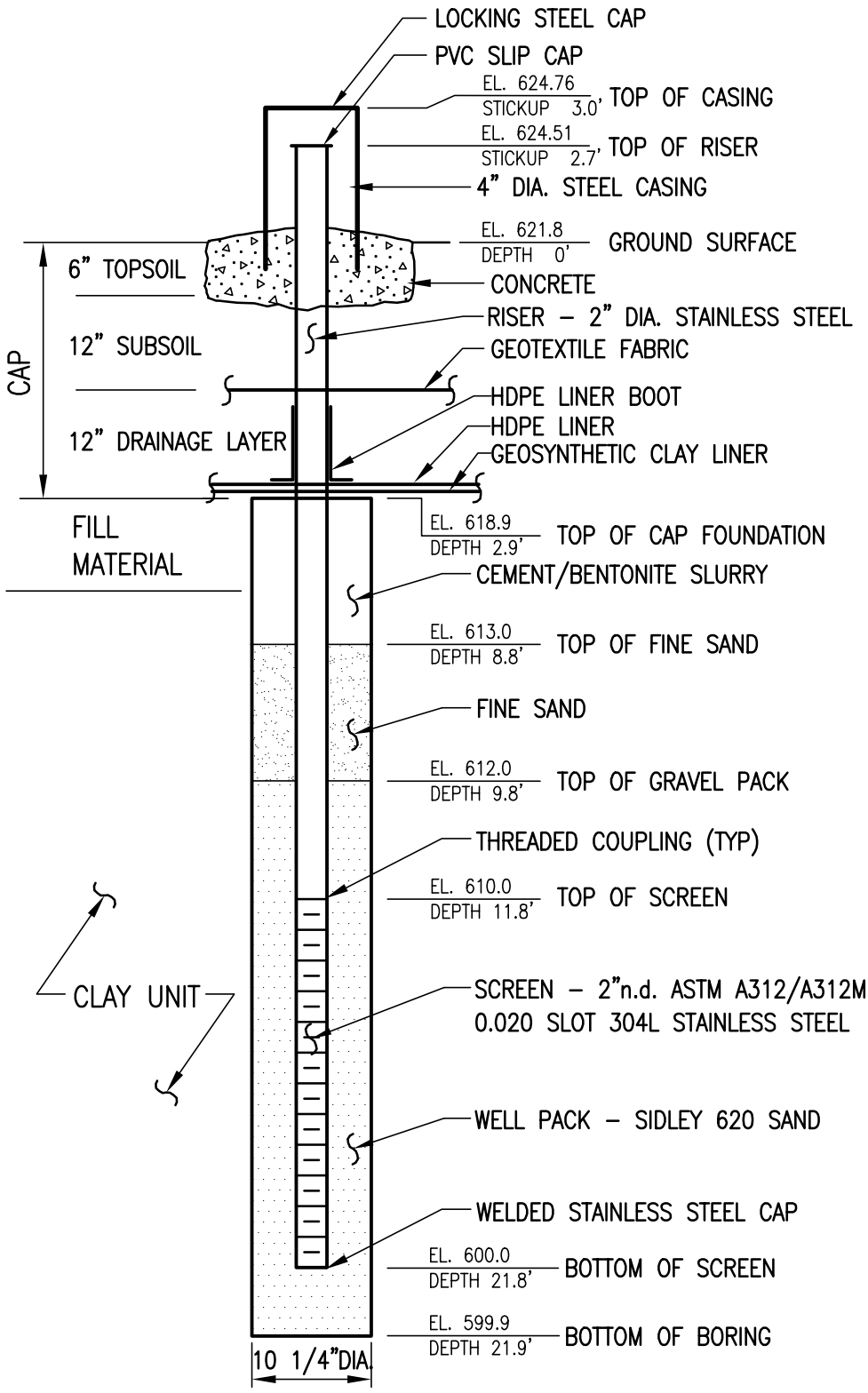


NOTE:

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 A DIVISION OF NES, INC.	PROJECT # 2045-200 FILENAME: 20352004 SCALE: NTS DATE: 9/18/95 BY: AD CK:
REVISION NO.	DRAWING	GROUNDWATER OBSERVATION WELL DETAIL		FIGURE # MW-15

MW–16

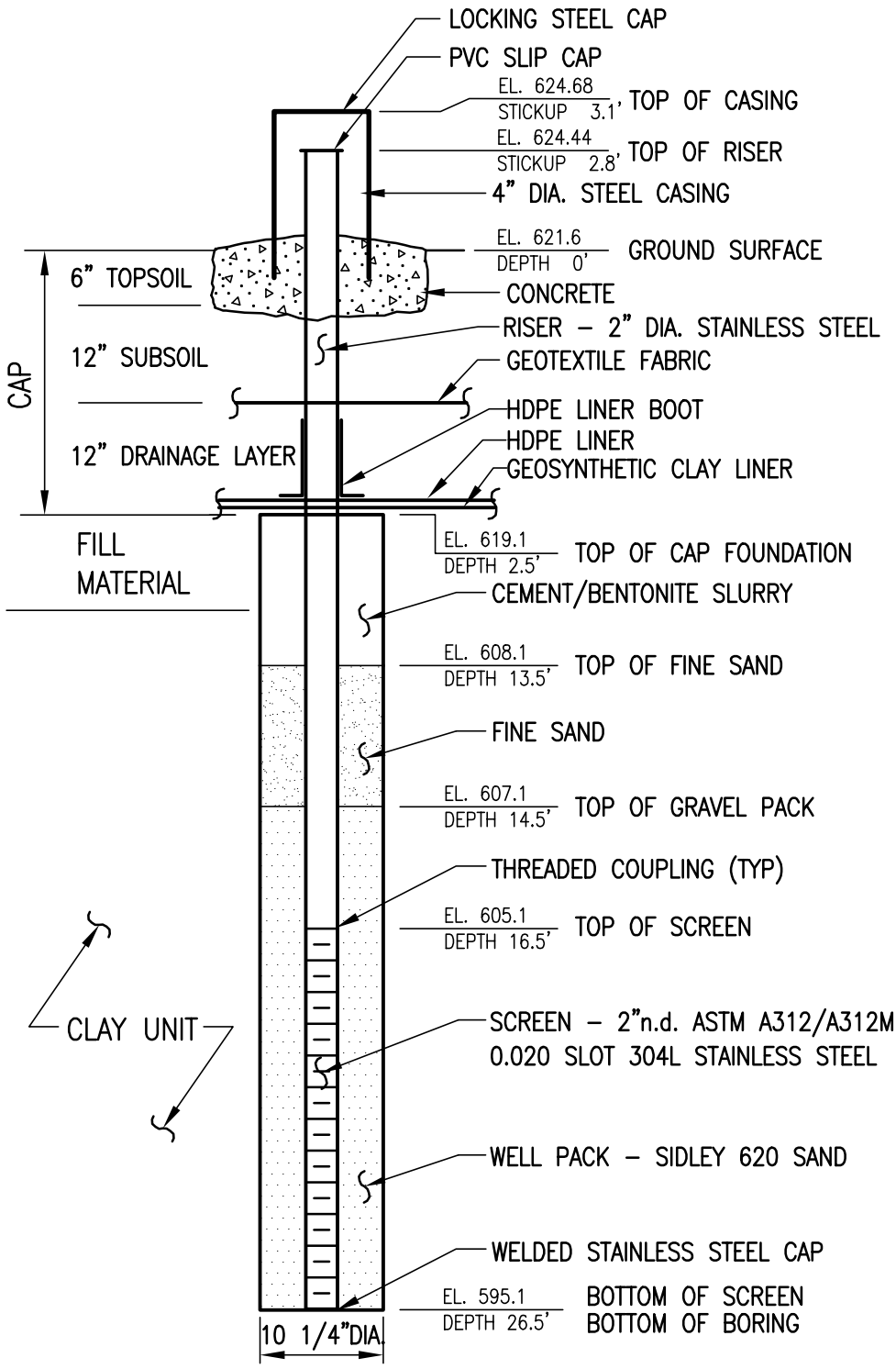


NOTE:

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

REVISION NO.		PROJECT	UNION ROAD CHEEKTOWAGA, NEW YORK	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	GROUNDWATER OBSERVATION WELL DETAIL		FIGURE # MW–16

MW–17

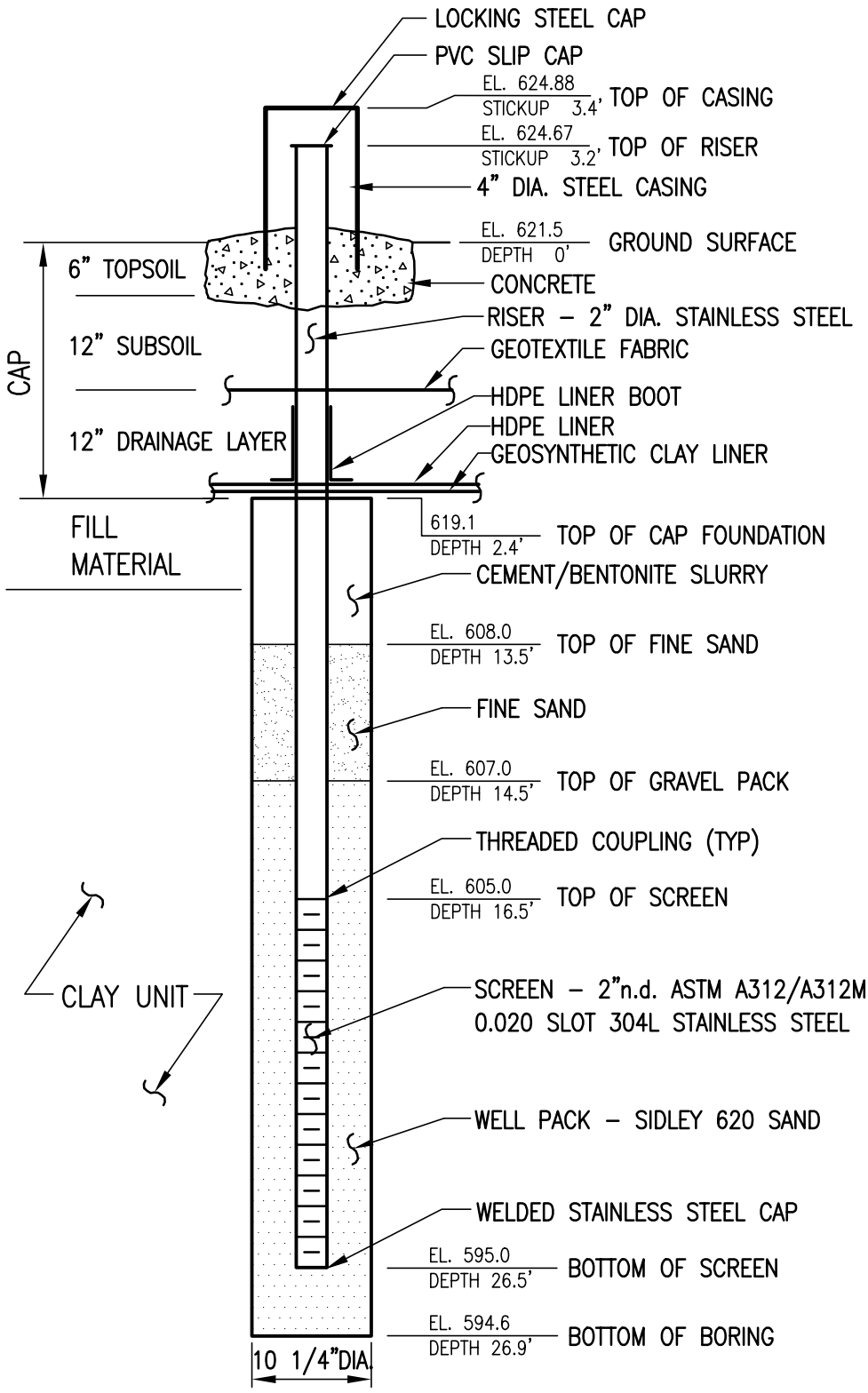


NOTE:

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

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

MW–18

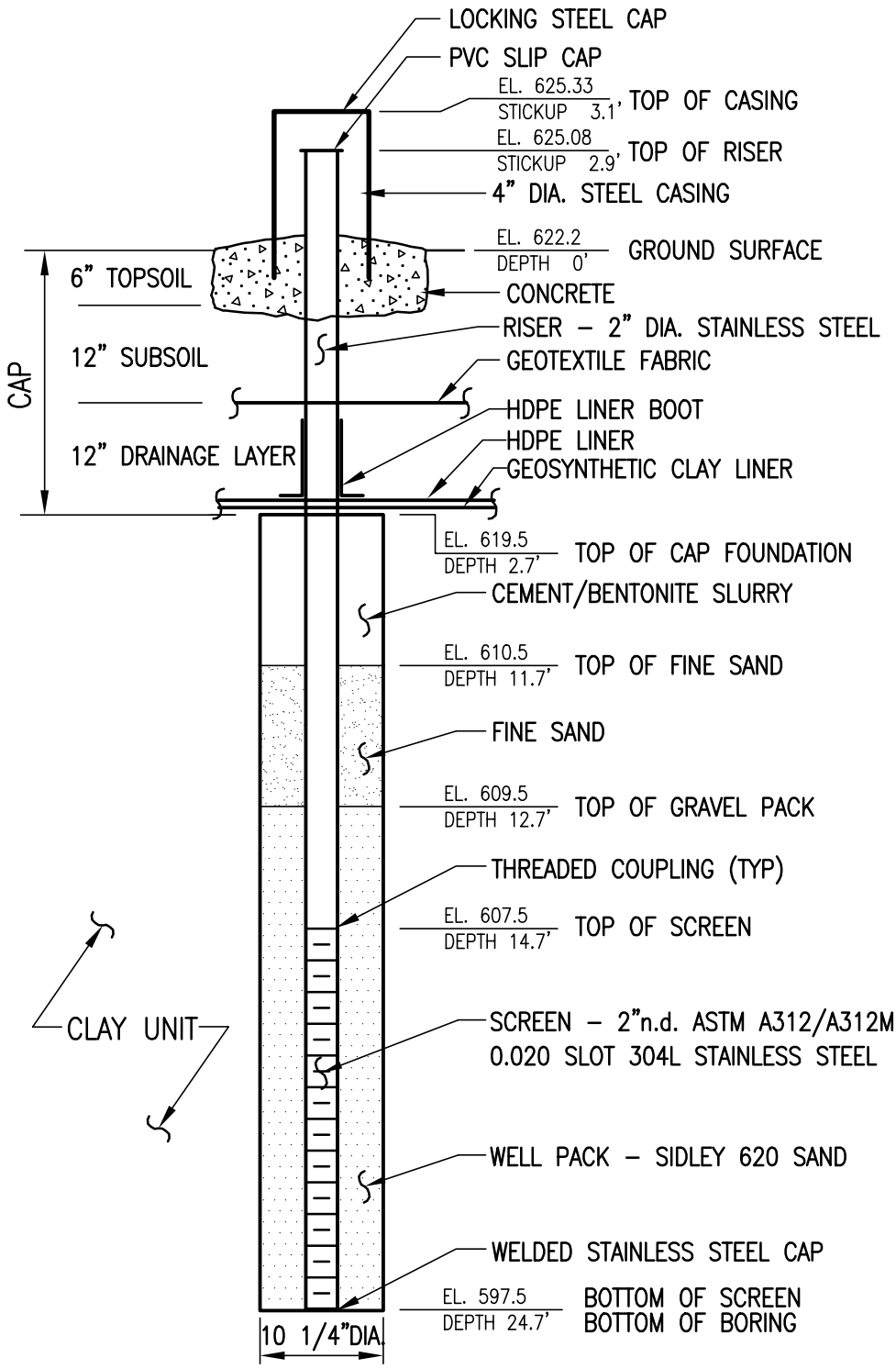


NOTE:

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

REVISION NO.		PROJECT	UNION ROAD CHEEKTOWAGA, NEW YORK	Unicorn Management Consultants, LLC 52 FEDERAL ROAD DANBURY, CT (203) 205-9000	PROJECT # 2011–200
NO.	DATE				FILENAME: 2035200A
					SCALE: NTS / DATE: 1/15/02
		DRAWING	GROUNDWATER OBSERVATION WELL DETAIL		BY: AD / CK:
					FIGURE # MW–18

MW–19

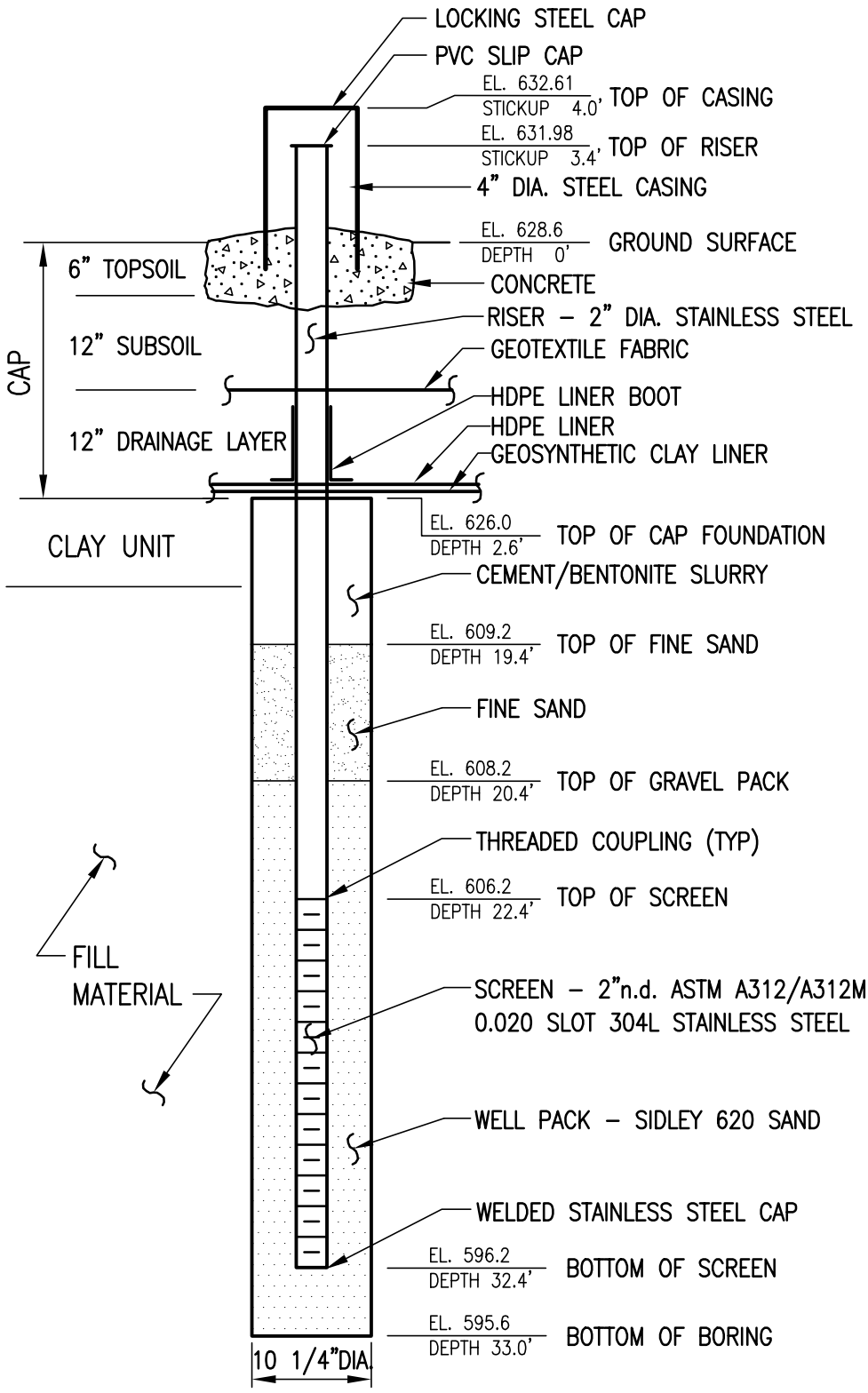


NOTE:

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

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

MW–20

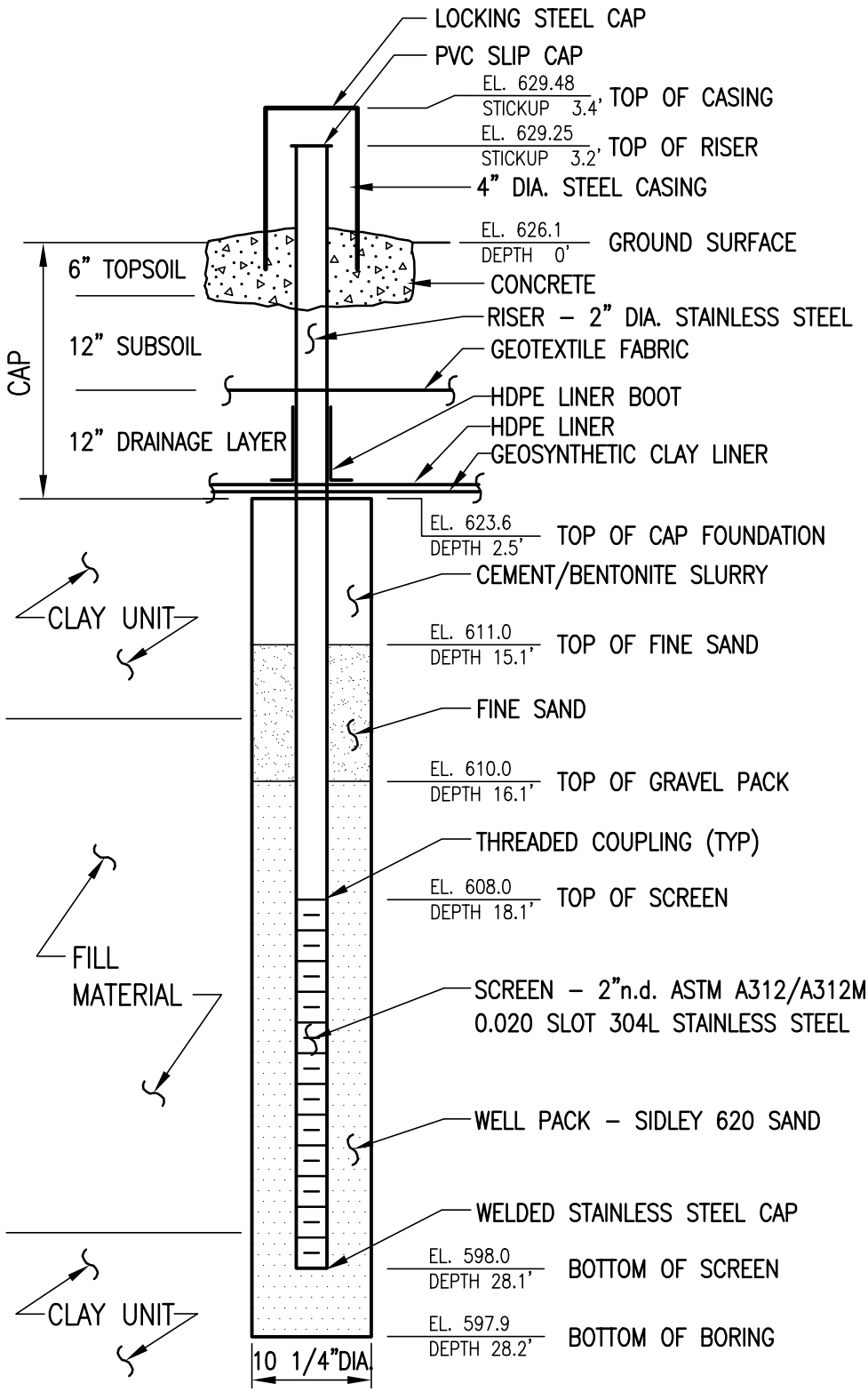


NOTE:

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

REVISION NO.		PROJECT	UNION ROAD CHEEKTOWAGA, NEW YORK	Unicorn Management Consultants, LLC 52 FEDERAL ROAD DANBURY, CT (203) 205-9000	PROJECT # 2011–200
NO.	DATE				FILENAME: 2035200A
					SCALE: NTS / DATE: 1/15/02
		DRAWING	GROUNDWATER OBSERVATION WELL DETAIL		BY: AD / CK:
					FIGURE # MW–20

MW–21

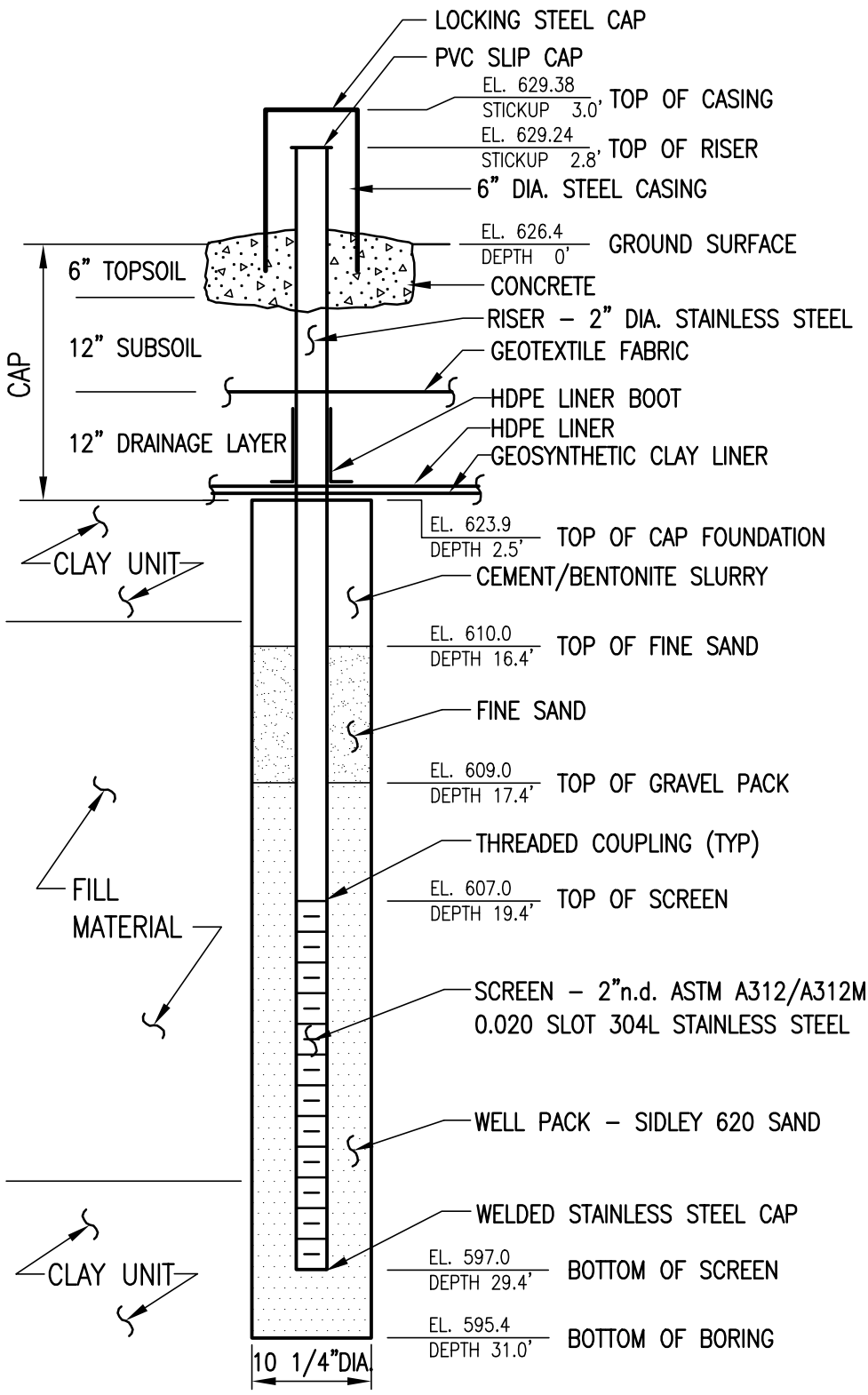


NOTE:

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

REVISION NO.		PROJECT	UNION ROAD CHEEKTOWAGA, NEW YORK	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	GROUNDWATER OBSERVATION WELL DETAIL		FIGURE # MW–21

MW–22

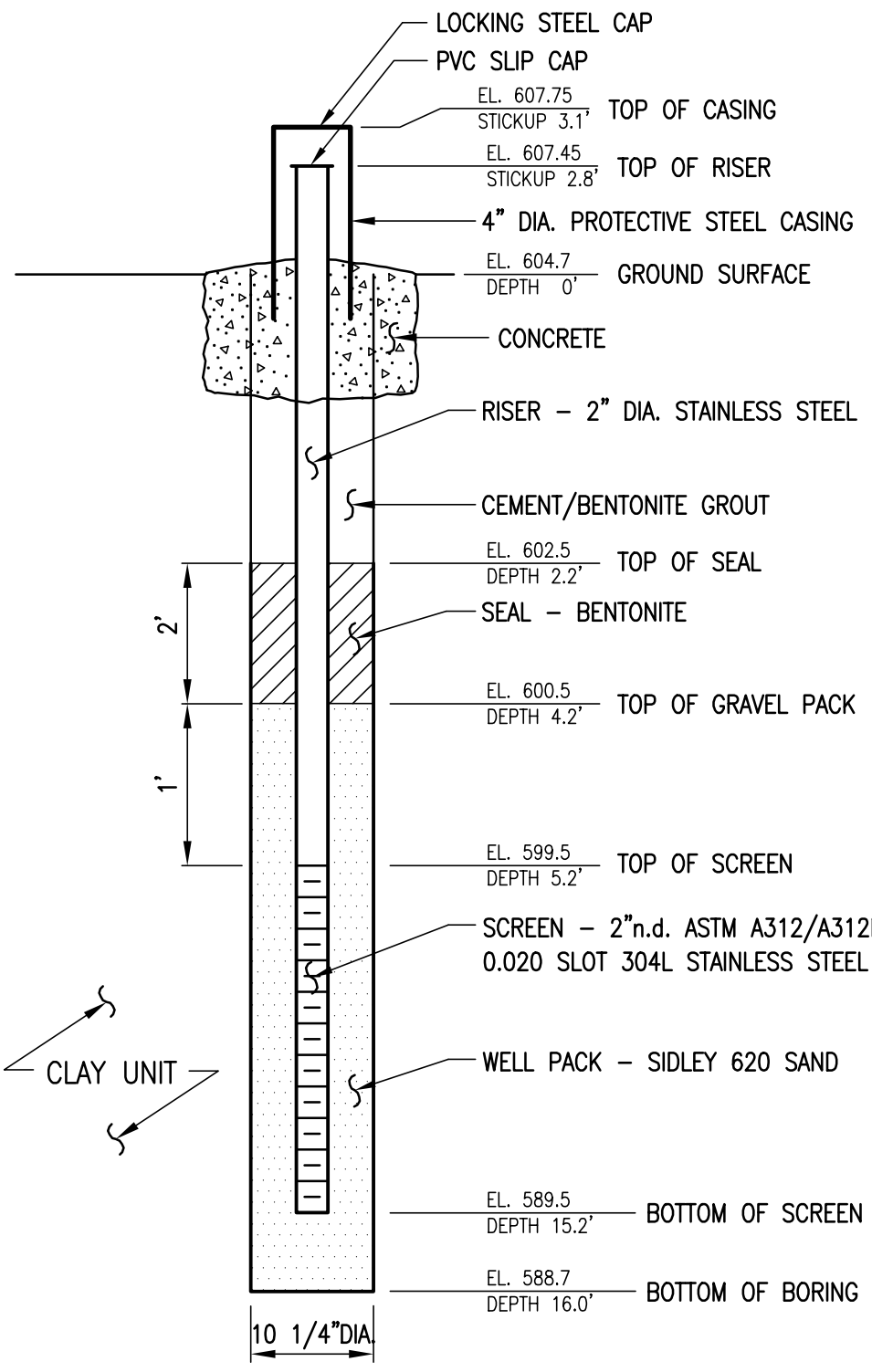


NOTE:

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

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

APPENDIX B

NYSDEC LETTERS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 9
270 Michigan Avenue, Buffalo, NY 14203-2915
P: (716) 851-7220 | F: (716) 851-7226
www.dec.ny.gov

November 22, 2019

Blank Rome, LLP
Margaret Anne Hill, Esq.
One Logan Square
Philadelphia, Pennsylvania 19103

Dear Ms. Hill (as the Certifying Party):

Site Management (SM) Periodic Review Report (PRR) Response Letter
Union Road Site, Cheektowaga
Erie County, Site No.: **915128**

The Department has reviewed your Periodic Review Report (PRR) and IC/EC Certification for the following period: December 26, 2017 to December 26, 2018.

The Department hereby accepts the PRR and associated Certification. The frequency of Periodic Reviews for this site is 1 year, and your next PRR is due on January 25, 2020. You will receive a reminder letter and updated certification form 75-days prior to the due date. Regardless of receipt or not of the reminder notice, the next PRR, including the signed certification form, is still due on the date specified above.

Please Note: After reviewing the analytical data, the NYSDEC concurs that the groundwater sampling frequency can be changed, from annually to once every 2 years, with the next sampling event occurring in 2020. Annual groundwater elevation monitoring and O&M activities still need to be conducted on an annual basis and included within the annual PRR's. In future PRR's, please include trendlines of total SVOCs, total VOCs, TPH, Soluble Arsenic, and Soluble Lead for each groundwater sampling location.

Additionally, according to our records, groundwater data associated with this certification period has not been uploaded to our electronic database (EQuIS). Please make sure this data, along with data collected during the current certification period, is uploaded prior to submittal of the PRR due January 25, 2020. The Department will not accept the next PRR without verification the data has been uploaded.

If you have any questions, please contact me at 716-851-7220 or email: megan.kuczka@dec.ny.gov.

Sincerely,

Megan Kuczka
Environmental Program Specialist 1

MK/dpp

ec: Damianos Skaros - NYSDEC
Stanley Radon – NYSDEC
Michael O'Connor – Unicorn Management Consultants, LLC
Michael Persico – Unicorn Management Consultants, LLC

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 9
270 Michigan Avenue, Buffalo, NY 14203-2915
P: (716) 851-7220 I F: (716) 851-7226
www.dec.ny.gov

January 24, 2020

Margaret Anne Hill, Esq.
Blank Rome, LLP
One Logan Square
Philadelphia, Pennsylvania 19103

Dear Ms. Hill (as the Certifying Party):

Site Management (SM)
Periodic Review Report (PRR) Response Letter
Union Road Site, Cheektowaga
Erie County, Site No.: **915128**

The Department has reviewed your Periodic Review Report (PRR) and IC/EC Certification for the following period: December 26, 2018 to December 26, 2019. The Department hereby accepts the PRR and associated Certification.

The frequency of Periodic Reviews for this site is one year, and your next PRR will be due on January 25, 2021. You will receive a reminder letter and updated certification form 75-days prior to the report's due date. Regardless of receipt or not of the reminder notice, the next PRR, including the signed certification form, is still due on the date specified above.

Please Note: After reviewing the analytical data, the Department concurs that the groundwater sampling frequency can be changed, from annually to once every 2 years, with the next sampling event occurring in 2021. Annual groundwater elevation monitoring and O&M activities still need to be conducted on an annual basis and included within the annual PRR's. Please continue to include trendlines of total SVOCs, total VOCs, TPH, Soluble Arsenic, and Soluble Lead for each groundwater sampling location and the historical groundwater data tables.

Additionally, in future PRR's, please include the following edits:

- Attach the groundwater sampling field forms from the Certifying Period
- Add a Groundwater Quality Standards column to Tables 3-3 through 3-8 and put any exceedances in bold.

If you have any questions, please contact me at 716-851-7220 or email: megan.kuczka@dec.ny.gov.

Sincerely,

Megan Kuczka
Environmental Program Specialist – 1

MK/jl

ec: Ms. Andrea Caprio, NYSDEC
Mr. Stanley Radon, NYSDEC
Mr. Michael O'Connor, Unicorn Management Consultants, LLC
Mr. Michael Persico, Unicorn Management Consultants, LLC