19 March 2021

Wood Environment & Infrastructure Solutions, Inc.
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Mr. Joshua Keller
Environmental Manager
Indiana Department of Environmental Management
100 North Senate Ave.
Indianapolis, IN 46204-2251

RE: Report of the Eighth Groundwater Stability Assessment Monitoring Event
TORX Facility, 4366 North Old US Highway 31, Rochester, Indiana
Facility Cleanup ID 7100149

Dear Mr. Keller:

Enclosed are two copies of the Report of the Eighth Groundwater Stability Assessment Monitoring Event performed at the TORX Facility located in Rochester, Indiana prepared by Wood Environment & Infrastructure Solutions, Inc. (Wood). The work was completed as described in the Remediation Work Plan dated 24 June 2014 and the Groundwater Stability Assessment correspondence dated 16 July 2019.

This report details the results of the eighth groundwater stability assessment monitoring event, which occurred in December 2020. Based on the results of the laboratory analyses performed on the groundwater samples collected from the Groundwater Stability Assessment monitoring well network, the CVOC concentrations detected continue to remain near to slightly above the laboratory reporting limit in the majority of the wells. The overall contaminant mass values indicate a stable plume condition and successful implementation of the remedial actions. Based on the contaminant mass reduction documented in most wells across the remediation area, pending IDEM's concurrence, Wood believes the Site is eligible for closure.

Additional analysis of the stability monitoring data and contaminant mass reduction demonstrations will be presented in the Site Remediation Completion Report. If you have any questions or comments following your review of this report, please call our office at 937-859-3600.

Sincerely,
Wood Environment & Infrastructure Solutions, Inc.

Paul J. Stork
Project Manager

K. Joe Deatherage, PE
Senior Engineer

Enclosure

cc: Jamison Schiff, Textron, Inc.

REPORT OF THE EIGHTH GROUNDWATER STABILITY ASSESSMENT MONITORING EVENT

Former TORX Facility
4366 North Old US Highway 31
Rochester, Indiana

Prepared for:

Textron Inc.
40 Westminster Street
Providence, RI 02903

Prepared by:

Wood Environment & Infrastructure Solutions, Inc.
521 Byers Road, Suite 204
Miamisburg, OH 45342

March 2021

Project No. 3359-15-1040

IMPORTANT NOTICE

This report was prepared exclusively for Textron, Inc. by Wood Environment & Infrastructure Solutions, Inc. (Wood). The quality of information, conclusions and estimates contained herein is consistent with the level of effort involved in Wood's services and based on: i) information available at the time of preparation, ii) data supplied by outside sources and iii) the assumptions, conditions and qualifications set forth in this report. This report is intended to be used by Textron, Inc. only, subject to the terms and conditions of its contract with Wood. Any other use of, or reliance on, this report by any third party is at that party's sole risk.

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ACRONYMS

CVOC	chlorinated volatile organic compounds
DCE	dichloroethene
DO	dissolved oxygen
IDEM	Indiana Department of Environmental Management
ISCR	In-situ Chemical Reduction
µg/L	micrograms per liter
ORP	oxygen reduction potential
QAPP	Quality Assurance Project Plan
RWP	Remediation Work Plan
Site	former TORX facility
VOC	Volatile organic compound
Wood	Wood Environment & Infrastructure Solutions, Inc.

1.0 INTRODUCTION

Wood Environment & Infrastructure Solutions, Inc. (Wood), has prepared this report to document the findings from the eighth groundwater stability assessment monitoring event. The assessment monitoring is associated with the implemented In-Situ Chemical Reduction (ISCR) and Enhanced Reductive Dechlorination remedies for groundwater containing chlorinated volatile organic compounds (CVOCs) at and in the vicinity of the former TORX Facility (now operated by Acument) located at 4366 North Old US Highway 31 in Rochester, Indiana (Site). A Site location map is presented as **Figure 1**.

2.0 BACKGROUND

Wood was retained by Textron, Inc. to conduct remedial injection activities at the former TORX facility to treat groundwater containing CVOCs. A Remediation Work Plan (RWP) was prepared in June 2014 and submitted to the Indiana Department of Environmental Management (IDEM) and was subsequently approved by IDEM. The RWP guided the remedial activities implemented at the Site. The overall remedial approach involved treating the portion of the source area near the Western Pond behind (west of) the facility using ISCR technology, and stimulating biologically mediated reductive dechlorination at the remainder of the source area west of the building, beneath the manufacturing building, and in most of the downgradient plume. Full-scale remediation injection activities commenced in 2015. Additional “polishing” injections were performed in 2016 and 2017. The treatment zones, arrays, and monitoring well locations are shown on **Figure 2**. Details of the remedial actions and subsequent performance groundwater monitoring events are provided in numerous reports on file with IDEM.

As detailed in the RWP, the performance of the remediation of the CVOCs in groundwater at the site was monitored on a regular basis through the implementation of the Performance Groundwater Monitoring Program. The results of the Performance Groundwater Monitoring demonstrated significant reductions of CVOCs in groundwater post remediation. Because of the success of the remedial effort in reducing the concentrations of CVOCs at the Site, the groundwater monitoring was transitioned from performance monitoring to stability monitoring. Details of the groundwater stability

assessment monitoring program are described in a correspondence submitted to IDEM entitled, *Groundwater Stability Assessment, TORX Facility, 4366 North Old US Highway 31, Rochester, Indiana, Facility Cleanup ID 7100149*, 16 July 2019, Wood.

This report documents the eighth groundwater stability assessment monitoring event that has been conducted at the Site following completion of the full-scale remediation and the performance monitoring phase. This event is the last scheduled groundwater stability monitoring event. Details of the first seven groundwater stability assessment monitoring events and the 2020 annual groundwater monitoring event are provided in reports on file with IDEM.

3.0 GROUNDWATER STABILITY ASSESSMENT MONITORING

Wood conducted the eighth quarterly groundwater stability assessment monitoring event at the Site during 14 and 15 December 2020. The groundwater stability assessment monitoring well locations are shown on **Figure 3**.

3.1 Scope of Work

As part of the eighth groundwater stability assessment monitoring event, Wood collected groundwater samples from 12 monitoring wells located within and downgradient of the treatment zones. The 12 wells sampled are designated quarterly stability monitoring wells. Groundwater was purged and sampled using low-flow sampling techniques. Field water quality parameters were monitored during purging. Groundwater was sampled once field water quality parameters had stabilized. Groundwater samples were analyzed for volatile organic compounds (VOCs).

3.2 Field Activities

On 14 December 2020, prior to commencing groundwater sampling, depth to groundwater measurements were collected from 70 site overburden monitoring wells, and groundwater elevations calculated using the monitoring well casing elevations previously determined by a registered surveyor (**Table 1)**. Groundwater contour maps of the treatment areas were prepared for the shallow overburden zone (**Figure 4**) and intermediate overburden zone (**Figure 5**).

Groundwater samples were collected from the 12 stability assessment monitoring wells sampled quarterly, identified in **Table 1**, between 14 and 15 December 2020. The wells were purged and sampled using a low-flow procedure utilizing a pneumatic powered bladder pump. Groundwater field parameters including pH, temperature, specific conductivity, oxygen reduction potential (ORP), dissolved oxygen (DO), and turbidity, as well as, depth to groundwater, were measured approximately every 5 minutes until at least three sequential readings showed stabilization, i.e., +/- 0.1 for pH, +/- 3% for specific conductance, +/- 10 millivolts for ORP, +/- 10 Nephelometric Turbidity Units for turbidity, and +/- 10% for DO. Upon achieving stabilization, groundwater samples were collected directly from the pump discharge tubing. Copies of the field sample collection logs are presented in **Appendix A**. A summary of the final field measurements is presented in **Table 2**.

Groundwater samples were collected into laboratory-supplied, pre-preserved vials and labeled with the sample information. Quality control samples including equipment blanks, field blanks and trip blanks were also submitted. Equipment blanks were collected by pouring deionized water through the decontaminated pump and into the sampling container. Trip blanks were prepared by the laboratory and accompanied each shipment of VOC samples during transport. Field blanks were collected by pouring deionized water into the sampling container.

Following sample collection, the sample containers were placed on ice in coolers and shipped under chain of custody to ALS Environmental Laboratory in Holland, Michigan for VOC analysis by United States Environmental Protection Agency Method 8260B.

Sampling pumps were decontaminated between wells using a liquinox®-water wash, potable water rinse, and distilled water rinse. Disposable sampling tubing was used to purge and sample each well. Disposable equipment (i.e., pump bladders and tubing) was changed out between each well.

4.0 DATA EVALUATION

The results of the laboratory analyses are presented **i**n **Table 3**, which also includes results from 18 additional wells from previous groundwater stability assessment monitoring events in 2019 and 2020 as well as, the last performance groundwater monitoring result from 2018 for each monitoring well. The measured field parameters referenced in Section 3.0 are included in **Table 2**. A summary of the results of the CVOC analyses performed on samples collected from the December 2020 quarterly stability monitoring wells is shown on **Figure 6**. Copies of the laboratory reports and chain-of-custodies are presented in **Appendix B**.

For comparison purposes, groundwater concentration data obtained from the last performance groundwater monitoring event or the 2018 annual monitoring event is provided as baseline concentrations in **Table 3**. The baseline monitoring event occurred in October 2018 except for MW-59(46), MW-25(82), MW-27(18), OW-6(38), OW-6(63); for these five wells, the baseline monitoring event was the annual sampling event that occurred in July 2018. Although individual increases of CVOCs may be periodically observed at certain monitoring well locations, the entire plume, with a focus on the downgradient boundary, will be considered when evaluating the stability of the plume.

Total contaminant mass values for each monitoring well are presented in **Table 3**. The total contaminant mass values are used to observe plume conditions. The total contaminant mass has decreased from the baseline event or remained at zero in 11 of the 12 monitoring wells sampled during the eighth stability assessment monitoring event. The total contaminant mass of messenger well MW-14 has increased slightly since the September 2020 sampling event but remains at a very low value. It should be noted that the total contaminant mass in well MW-14 has decreased 97% when compared to the pre-remediation mass documented in 2013.

The total contaminant mass in downgradient wells OW-6(38) and OW-6(63), has continued to remain at zero for the eight stability assessment monitoring events. The preceding facts indicate an overall stable plume situation. Additional analysis of the stability monitoring data and total contaminant mass reduction demonstrations will be presented in the Site Remediation Completion Report.

4.1 Quarterly Stability Monitoring Results

Messenger wells [located down-gradient of the source area, [i.e., MW-6C, OW-1(39), MW-14, OW-2(33), OW-2(53)] analyzed as a part of the quarterly stability monitoring event indicate that with the exception of MW-6C and MW-14, the messenger wells were all at or below the reporting limit for the targeted CVOCs. In MW-6C, cis-1,2 dichloroethene (DCE) increased from 1.2 micrograms per liter (µg/L) in September of 2020 to 1.5 µg/L in December 2020, while vinyl chloride increased from 1.4 µg/L in September of 2020 to 2.0 in December 2020. In messenger well MW-14, cis-1,2-DCE increased from non-detect in September 2020 to 1.6 µg/L in December 2020, while vinyl chloride increased from 1.8 µg/L to 3.7 µg/L during the same time period.

Perimeter of compliance wells [located down-gradient of the messenger wells, [i.e., MW-17, MW-26(17.5), MW-26(28.8), MW-26(58.2), MW-27(18)] analyzed as a part of the stability monitoring event indicate that all but one were below reporting limits for the targeted CVOCs. In MW-17, cis-1,2-DCE decreased from 19 µg/L (biased high concentration) in September of 2020 to 16 µg/L (primary and duplicate) in December of 2020; trichloroethene decreased from 24 µg/L (biased high concentration) in September of 2020 to 21 µg/L (primary) and 22 µg/L (duplicate) in December of 2020; and vinyl chloride decreased from 3.1 µg/L (biased high concentration) in September of 2020 to 2.4 µg/L (primary) and 2.3 µg/L (duplicate) in December of 2020.

CVOCs were not detected at the down gradient wells [OW-6(38) and OW-6(63)], as has been the case in the previous seven stability monitoring events.

4.2 Quality Control Results

The VOC data was validated in general accordance with the Site Quality Assurance Project Plan (QAPP). The data validation included an evaluation of the data quality and a review of the field quality assurance sample results. The data validation report is included in **Appendix B**. The conclusions of the data validation indicated that the only compound that required qualification was bromomethane, which is not a compound of concern for this Site.

The relative percent difference for constituents detected in the primary and replicate sample was less than 25 percent indicating acceptable sampling and analytical precision. One trip blank, two equipment blanks and one field blank were submitted and analyzed for VOCs. No VOCs were detected in the trip, equipment or field blanks above the reporting limit.

5.0 UPCOMING ACTIVITES

The current total contaminant mass values at each stability monitoring well indicate a stable and/or decreasing plume condition. Based on the contaminant mass reduction documented in most wells across the remediation area, pending IDEM's concurrence, Wood believes the Site is eligible for closure. A Site Remediation Completion Report will be prepared and submitted to IDEM in the second quarter of 2021.

TABLES

Table 1
Surveyed Elevation Data and Depth to Water for Stability Assessment Monitoring Wells and Monitoring Wells Used for Groundwater Elevation Contour Mapping
TORX Facility, 4366 North Old US Highway 31, Rochester, Indiana

Monitoring Well/Point ID	Date Measured	Top of Casing Elevation[3]	Depth to Water (btoc)[4]	Ground Water Elevation
Stability Assessment Monitoring Wells				
MW-59(29)[2]	02/05/19	799.57	14.55	785.02
	05/16/19		13.23	786.34
	08/12/19		14.18	785.39
	11/25/19		14.81	784.76
	02/17/20		14.39	785.18
	06/16/20		13.52	786.05
	09/08/20		14.72	784.85
	12/14/20		15.56	784.01
MW-59(46)[2]	02/06/19	799.25	14.18	785.07
	05/16/19		12.87	786.38
	08/12/19		13.87	785.38
	11/25/19		NM	NM
	02/19/20		14.10	785.15
	06/16/20		13.21	786.04
	09/08/20		14.41	784.84
	12/14/20		NM	NM
MW-81(27)[2]	02/05/19	798.34	14.92	783.42
	05/16/19		11.64	786.70
	08/12/19		12.66	785.68
	11/25/19		13.41	784.93
	02/17/20		12.85	785.49
	06/16/20		12.02	786.32
	09/08/20		13.27	785.07
	12/14/20		14.22	784.12
MW-68(32)[2]	02/05/19	809.46	24.67	784.79
	05/16/19		23.27	786.19
	08/12/19		24.28	785.18
	11/25/19		24.85	784.61
	02/17/20		24.67	784.79
	06/16/20		23.57	785.89
	09/08/20		24.62	784.84
	12/14/20		25.57	783.89
MW-72(32)[2]	02/05/19	808.92	24.07	784.85
	05/16/19		22.74	786.18
	08/12/19		23.98	784.94
	11/25/19		24.29	784.63
	02/17/20		24.11	784.81
	06/16/20		23.04	785.88
	09/08/20		24.17	784.75
	12/14/20		25.02	783.90
MW-6C[1]	02/05/19	810.40	25.60	784.80
	05/16/19		24.35	786.05
	08/12/19		25.31	785.09
	11/25/19		25.98	784.42
	02/17/20		25.55	784.85
	06/16/20		24.66	785.74
	09/08/20		25.82	784.58
	12/14/20		26.62	783.78

Table 1
Surveyed Elevation Data and Depth to Water for Stability Assessment Monitoring Wells and Monitoring Wells Used for Groundwater Elevation Contour Mapping
TORX Facility, 4366 North Old US Highway 31, Rochester, Indiana

Monitoring Well/Point ID	Date Measured	Top of Casing Elevation[3]	Depth to Water (btoc)[4]	Ground Water Elevation
MW-20(51)[2]	02/05/19	810.41	25.63	784.78
	05/16/19		24.37	786.04
	08/12/19		25.32	785.09
	11/25/19		25.06	785.35
	02/17/20		25.54	784.87
	06/16/20		24.67	785.74
	09/08/20		25.83	784.58
	12/14/20		26.62	783.79
MW-82(58)[2]	02/05/19	807.38	22.60	784.78
	05/16/19		22.38	785.00
	08/12/19		22.35	785.03
	11/25/19		22.95	784.43
	02/17/20		22.56	784.82
	06/16/20		21.69	785.69
	09/08/20		22.76	784.62
	12/14/20		23.65	783.73
OW-1(39)[1]	02/05/19	805.15	20.49	784.66
	05/16/19		19.22	785.93
	08/12/19		20.16	784.99
	11/25/19		20.79	784.36
	02/17/20		20.39	784.76
	06/16/20		19.52	785.63
	09/08/20		20.58	784.57
	12/14/20		21.48	783.67
MW-14[1]	02/05/19	802.70	18.10	784.60
	05/16/19		16.97	785.73
	08/12/19		17.91	784.79
	11/25/19		18.49	784.21
	02/17/20		18.02	784.68
	06/16/20		17.24	785.46
	09/08/20		18.30	784.40
	12/14/20		19.15	783.55
OW-2(33)[1]	02/05/19	805.54	20.89	784.65
	05/16/19		19.72	785.82
	08/12/19		20.68	784.86
	11/25/19		21.26	784.28
	02/17/20		20.85	784.69
	06/16/20		20.01	785.53
	09/08/20		21.08	784.46
	12/14/20		21.95	783.59
OW-2(53)[1]	02/05/19	805.50	20.86	784.64
	05/16/19		19.69	785.81
	08/12/19		20.64	784.86
	11/25/19		21.21	784.29
	02/17/20		20.82	784.68
	06/16/20		19.98	785.52
	09/08/20		21.05	784.45
	12/14/20		21.91	783.59

Table 1
Surveyed Elevation Data and Depth to Water for Stability Assessment Monitoring Wells and Monitoring Wells Used for Groundwater Elevation Contour Mapping
TORX Facility, 4366 North Old US Highway 31, Rochester, Indiana

Monitoring Well/Point ID	Date Measured	Top of Casing Elevation[3]	Depth to Water (btoc)[4]	Ground Water Elevation
OW-3(35)[2]	02/05/19	801.72	17.23	784.49
	05/16/19		16.12	785.60
	08/12/19		NM	NM
	11/25/19		17.64	784.08
	02/17/20		17.21	784.51
	06/16/20		16.40	785.32
	09/08/20		17.45	784.27
	12/14/20		18.27	783.45
OW-3(55)[2]	02/05/19	801.66	17.40	784.26
	05/16/19		16.07	785.59
	08/12/19		NM	NM
	11/25/19		17.55	784.11
	02/17/20		17.32	784.34
	06/16/20		16.35	785.31
	09/08/20		17.39	784.27
	12/14/20		18.22	783.44
MW-15[2]	02/05/19	792.90	9.10	783.80
	05/16/19		8.02	784.88
	08/12/19		8.96	783.94
	11/25/19		9.48	783.42
	02/17/20		9.05	783.85
	06/16/20		8.28	784.62
	09/08/20		9.33	783.57
	12/14/20		10.14	782.76
OW-4(35)[2]	02/05/19	801.35	17.33	784.02
	05/16/19		16.22	785.13
	08/12/19		18.14	783.21
	11/25/19		17.71	783.64
	02/17/20		17.30	784.05
	06/16/20		16.49	784.86
	09/08/20		17.59	783.76
	12/14/20		18.39	782.96
OW-4(54)[2]	02/05/19	801.33	17.23	784.10
	05/16/19		16.12	785.21
	08/12/19		17.04	784.29
	11/25/19		17.61	783.72
	02/17/20		17.21	784.12
	06/16/20		16.40	784.93
	09/08/20		17.51	783.82
	12/14/20		18.30	783.03
MW-17[1]	02/05/19	784.41	2.90	781.51
	05/16/19		1.75	782.66
	08/12/19		2.47	781.94
	11/25/19		3.18	781.23
	02/17/20		2.71	781.70
	06/16/20		1.97	782.44
	09/08/20		3.01	781.40
	12/14/20		3.67	780.74

Table 1
Surveyed Elevation Data and Depth to Water for Stability Assessment Monitoring Wells and Monitoring Wells Used for Groundwater Elevation Contour Mapping
TORX Facility, 4366 North Old US Highway 31, Rochester, Indiana

Monitoring Well/Point ID	Date Measured	Top of Casing Elevation[3]	Depth to Water (btoc)[4]	Ground Water Elevation
MW-25(16.4)[2]	02/05/19	791.93	7.79	784.14
	05/16/19		6.76	785.17
	08/12/19		7.64	784.29
	11/25/19		8.20	783.73
	02/17/20		7.81	784.12
	06/16/20		7.01	784.92
	09/08/20		8.11	783.82
	12/14/20		8.33	783.60
MW-25(32.6)[2]	02/06/19	791.92	7.80	784.12
	05/16/19		NM	NM
	08/12/19		7.81	784.11
	11/25/19		NM	NM
	02/18/20		7.84	784.08
	06/16/20		7.01	784.91
	09/08/20		8.12	783.80
	12/14/20		NM	NM
MW-25(82)[2]	02/06/19	791.93	9.69	782.24
	05/16/19		NM	NM
	08/12/19		9.19	782.74
	11/25/19		NM	NM
	02/18/20		9.65	782.28
	06/16/20		8.70	783.23
	09/08/20		9.73	782.20
	12/14/20		NM	NM
MW-26(17.5)[1]	02/05/19	792.16	10.25	781.91
	05/16/19		9.27	782.89
	08/12/19		10.06	782.10
	11/25/19		10.46	781.70
	02/17/20		10.21	781.95
	06/16/20		9.45	782.71
	09/08/20		10.56	781.60
	12/14/20		11.27	780.89
MW-26(28.8)[1]	02/05/19	792.14	10.18	781.96
	05/16/19		NM	NM
	08/12/19		9.97	782.17
	11/25/19		NM	NM
	02/18/20		10.09	782.05
	06/16/20		9.41	782.73
	09/08/20		10.46	781.68
	12/14/20		NM	NM
MW-26(58.2)[1]	02/05/19	792.17	9.70	782.47
	05/16/19		8.54	783.63
	08/12/19		9.38	782.79
	11/25/19		15.25	776.92
	02/17/20		9.52	782.65
	06/16/20		8.77	783.40
	09/08/20		9.83	782.34
	12/14/20		10.61	781.56

Table 1
Surveyed Elevation Data and Depth to Water for Stability Assessment Monitoring Wells and Monitoring Wells Used for Groundwater Elevation Contour Mapping
TORX Facility, 4366 North Old US Highway 31, Rochester, Indiana

Monitoring Well/Point ID	Date Measured	Top of Casing Elevation[3]	Depth to Water (btoc)[4]	Ground Water Elevation
MW-27(18)[1]	02/05/19	785.82	4.27	781.55
	05/16/19		NM	NM
	08/12/19		3.92	781.90
	11/25/19		4.56	781.26
	02/17/20		4.09	781.73
	06/16/20		3.43	782.39
	09/08/20		4.42	781.40
	12/14/20		NM	NM
OW-5(16)[2]	02/05/19	790.72	8.43	782.29
	05/16/19		7.52	783.20
	08/12/19		8.29	782.43
	11/25/19		7.99	782.73
	02/17/20		8.41	782.31
	06/16/20		7.77	782.95
	09/08/20		8.76	781.96
	12/14/20		9.48	781.24
OW-5(35)[2]	02/05/19	790.76	7.80	782.96
	05/16/19		6.58	784.18
	08/12/19		7.42	783.34
	11/25/19		7.99	782.77
	02/17/20		7.55	783.21
	06/16/20		6.80	783.96
	09/08/20		7.87	782.89
	12/14/20		8.60	782.16
OW-5(44)[2]	02/06/19	790.70	7.52	783.18
	05/16/19		NM	NM
	08/12/19		7.36	783.34
	11/25/19		NM	NM
	02/17/20		NM	NM
	06/16/20		6.76	783.94
	09/08/20		7.81	782.89
	12/14/20		NM	NM
OW-6(38)[1]	02/05/19	789.27	8.57	780.70
	05/16/19		7.36	781.91
	08/12/19		8.13	781.14
	11/25/19		8.93	780.34
	02/17/20		8.45	780.82
	06/16/20		7.62	781.65
	09/08/20		8.78	780.49
	12/14/20		9.63	779.64
OW-6(63)[1]	02/05/19	789.27	7.97	781.30
	05/16/19		6.76	782.51
	08/12/19		7.52	781.75
	11/25/19		8.32	780.95
	02/17/20		7.87	781.40
	06/16/20		7.07	782.20
	09/08/20		8.16	781.11
	12/14/20		9.01	780.26

Table 1
Surveyed Elevation Data and Depth to Water for Stability Assessment Monitoring Wells and Monitoring Wells Used for Groundwater Elevation Contour Mapping
TORX Facility, 4366 North Old US Highway 31, Rochester, Indiana

Monitoring Well/Point ID	Date Measured	Top of Casing Elevation[3]	Depth to Water (btoc)[4]	Ground Water Elevation
Shallow Overburden Wells Used for Groundwater Elevation Contour Mapping				
MW-1	12/14/20	840.48	39.58	800.90
MW-3	12/14/20	805.45	21.54	783.91
MW-5	12/14/20	807.89	19.00	788.89
MW-6C	12/14/20	810.40	26.62	783.78
MW-9C	12/14/20	808.16	24.40	783.76
MW-12	12/14/20	808.46	24.72	783.74
MW-13	12/14/20	806.67	22.92	783.75
MW-14	12/14/20	802.70	19.15	783.55
MW-16	12/14/20	791.18	10.16	781.02
MW-17	12/14/20	784.41	3.67	780.74
MW-20(35)	12/14/20	810.42	26.66	783.76
MW-21(40.2)	12/14/20	810.33	26.81	783.52
MW-23(39.9)	12/14/20	816.67	32.68	783.99
MW-24(24.9)	12/14/20	804.92	21.40	783.52
MW-25(16.4)	12/14/20	791.93	8.83	783.10
MW-26(17.5)	12/14/20	792.16	11.27	780.89
MW-27(18)	12/14/20	785.82	5.12	780.70
MW-30(41.1)	12/14/20	794.57	21.60	772.97
MW-31(30.9)	12/14/20	781.48	10.97	770.51
MW-53(41)	12/14/20	809.87	25.89	783.98
MW-57(38)	12/14/20	795.51	9.60	785.91
MW-59(29)	12/14/20	799.57	15.56	784.01
MW-60(38)	12/14/20	798.51	14.30	784.21
MW-62(36)	12/14/20	810.71	26.95	783.76
MW-65(32)	12/14/20	809.40	25.58	783.82
MW-67(30)	12/14/20	809.53	25.60	783.93
MW-68(32)	12/14/20	809.46	25.57	783.89
MW-71(33)	12/14/20	809.15	25.23	783.92
MW-72(32)	12/14/20	808.92	25.02	783.90
MW-75(32)	12/14/20	809.39	25.61	783.78
MW-76(30)	12/14/20	809.28	25.35	783.93
MW-77(41)	12/14/20	809.39	25.55	783.84
MW-78(35)	12/14/20	809.30	25.50	783.80
MW-79(30)	12/14/20	809.26	25.21	784.05
MW-81(27)	12/14/20	798.34	14.22	784.12
MW-84(44)	12/14/20	824.91	41.45	783.46
MW-85(39)	12/14/20	796.49	13.04	783.45
MW-89(28)	12/14/20	797.77	13.72	784.05
OW-1(28)	12/14/20	805.18	21.49	783.69
OW-2(33)	12/14/20	805.54	21.95	783.59
OW-3(35)	12/14/20	801.72	18.27	783.45
OW-4(35)	12/14/20	801.35	18.39	782.96
OW-5(16)	12/14/20	790.72	9.48	781.24
OW-6(38)	12/14/20	789.27	9.63	779.64
PM-2	12/14/20	798.45	14.10	784.35
PM-3	12/14/20	808.40	24.23	784.17
ZVI-2(17.5)	12/14/20	791.17	10.28	780.89

Table 1
Surveyed Elevation Data and Depth to Water for Stability Assessment Monitoring Wells and Monitoring Wells Used for Groundwater Elevation Contour Mapping
TORX Facility, 4366 North Old US Highway 31, Rochester, Indiana

Monitoring Well/Point ID	Date Measured	Top of Casing Elevation[3]	Depth to Water (btoc)[4]	Ground Water Elevation
Intermediate Overburden Wells Used for Groundwater Elevation Contour Mapping				
MW-9B	12/14/20	808.07	24.22	783.85
MW-15	12/14/20	792.90	10.14	782.76
MW-19(53)	12/14/20	809.56	25.71	783.85
MW-20(51)	12/14/20	810.41	26.62	783.79
MW-24(55.4)	12/14/20	804.94	21.39	783.55
MW-25(45.2)	12/14/20	791.91	9.16	782.75
MW-26(58.2)	12/14/20	792.17	10.61	781.56
MW-27(53.05)	12/14/20	785.84	4.28	781.56
MW-29(82.5)	12/14/20	801.45	26.69	774.76
MW-31(55.5)	12/14/20	781.47	11.26	770.21
MW-52(55)	12/14/20	798.84	15.13	783.71
MW-55(49)	12/14/20	799.24	14.20	785.04
MW-56(50)	12/14/20	797.23	12.40	784.83
MW-82(58)	12/14/20	807.38	23.65	783.73
MW-83(64)	12/14/20	807.67	24.00	783.67
MW-84(65)	12/14/20	824.56	41.32	783.24
OW-1(39)	12/14/20	805.15	21.48	783.67
OW-2(53)	12/14/20	805.50	21.91	783.59
OW-3(55)	12/14/20	801.66	18.22	783.44
OW-4(54)	12/14/20	801.33	18.30	783.03
OW-5(35)	12/14/20	790.76	8.60	782.16
OW-6(63)	12/14/20	789.27	9.01	780.26
ZVI-2(32.5)	12/14/20	791.19	10.21	780.98

NM - Not Measured

(1) Well sampled quarterly

(2) Well sampled semi-annually

(3) Top of casing elevation established using NAVD 88 datum (US survey feet)

(4) Below top of casing (feet)

Prepared By: RLB
Checked By: RED

Table 2
Summary of Field Parameters - Stability Monitoring Wells
TORX Facility, 4366 North Old US Highway 31, Rochester, Indiana

Monitoring Well / Point ID	Date Measured	pH S.U.	Conductivity mS/cm	Temperature °C	DO mg/L	ORP mV
MW-59(29)[2]	02/07/19	6.23	1.721	13.08	0.16	-104.8
	08/22/19	6.21	1.470	14.81	0.61	-48.6
	02/19/20	6.41	1.260	10.95	0.57	-46.2
	09/14/20	6.45	1.947	16.69	1.31	-100.2
MW-59(46)[2]	02/06/19	7.16	1.194	13.41	0.11	-175.5
	08/22/19	7.11	0.423	14.84	0.50	-43.3
	02/19/20	6.89	0.400	8.06	0.51	-73.4
	09/14/20	7.21	0.634	17.71	0.23	-146.1
MW-81(27)[2]	02/07/19	6.06	0.963	13.60	0.23	-101.1
	08/21/19	6.09	0.824	21.05	0.40	-84.4
	02/19/20	6.33	0.869	9.48	0.80	-24.7
	09/14/20	6.25	1.430	15.68	1.18	-94.0
MW-68(32)[2]	02/07/19	7.12	3.138	16.6	3.29	-161
	08/22/19	6.39	2.037	18.45	6.44	44.1
	02/19/20	6.48	2.012	17.60	6.09	-55.3
	09/14/20	6.24	1.595	16.67	4.39	-72.0
MW-72(32)[2]	02/07/19	6.72	3.489	16.8	3.64	-156
	08/22/19	6.43	1.484	18.79	5.65	47.5
	02/19/20	6.78	2.365	17.63	6.07	-85.6
	09/14/20	6.23	3.792	15.74	2.91	-109.3
MW-6C[1]	02/06/19	6.77	0.738	14.7	0.66	-83
	05/17/19	6.77	0.806	15.99	2.55	-106.7
	08/21/19	6.91	0.684	18.47	1.87	-8.6
	11/26/19	6.68	0.674	9.16	0.84	-71.4
	02/19/20	6.81	0.705	10.9	0.51	-61.2
	06/16/20	6.63	0.670	15.50	2.10	-71.2
	09/13/20	6.92	1.132	15.90	2.81	-94.2
	12/15/20	7.09	0.664	14.27	0.53	-114.0
MW-20(51)[2]	02/07/19	7.18	2.424	9.8	0.36	-140
	08/20/19	6.62	0.410	18.34	0.65	100.9
	02/19/20	6.56	3.545	9.17	0.61	-53.4
	09/13/20	7.13	0.948	16.21	0.28	-174.1
MW-82(58)[2]	02/06/19	6.88	1.814	13.38	0.15	-149.8
	08/20/19	6.83	1.102	17.41	0.21	-121.3
	02/19/20	6.85	0.711	12.68	0.83	-16.8
	09/14/20	7.04	1.091	15.81	0.96	-129.8
OW-1(39)[1]	02/06/19	7.18	1.537	13.53	0.15	-163.5
	05/17/19	7.23	0.614	14.41	0.21	-171.2
	08/21/19	7.34	0.578	15.10	0.38	-67.1
	11/26/19	7.35	0.477	13.66	0.25	-147.4
	02/18/20	7.08	0.616	12.88	0.28	-27.0
	06/17/20	7.26	0.599	14.31	0.33	-124.2
	09/13/20	7.20	1.070	14.37	0.32	-150.1
	12/14/20	7.47	0.635	13.00	0.44	-165.5

Table 2
Summary of Field Parameters - Stability Monitoring Wells
TORX Facility, 4366 North Old US Highway 31, Rochester, Indiana

Monitoring Well / Point ID	Date Measured	pH S.U.	Conductivity mS/cm	Temperature °C	DO mg/L	ORP mV
MW-14[1]	02/06/19	7.01	1.643	12.68	1.11	-150.0
	05/17/19	7.16	0.696	14.98	0.18	-183.7
	08/20/19	6.99	1.084	14.54	0.32	-90.1
	11/26/19	7.04	0.746	11.65	0.34	-158.8
	02/18/20	6.99	1.661	11.89	0.39	-131.4
	06/17/20	7.27	0.738	14.74	0.09	-136.3
	09/14/20	7.00	1.315	13.85	1.12	-131.6
	12/14/20	7.41	0.819	12.24	0.56	-163.5
OW-2(33)[1]	02/06/19	6.92	0.889	13.3	0.21	-142
	05/16/19	7.21	0.694	14.66	0.17	-123.6
	08/21/19	7.01	0.745	15.59	0.14	-76.7
	11/26/19	7.03	0.774	12.48	0.55	-121.0
	02/19/20	7.09	0.836	12.74	0.31	-43.3
	06/17/20	6.74	0.671	14.38	0.24	-107.1
	09/13/20	6.95	1.077	14.54	0.34	-123.6
	12/15/20	6.91	0.747	13.33	0.41	-135.2
OW-2(53)[1]	02/06/19	7.00	0.694	9.2	0.49	-137
	05/16/19	6.98	0.646	15.71	0.42	-138.3
	08/21/19	7.10	0.643	15.25	0.91	-83.5
	11/26/19	7.24	0.645	12.51	0.45	-139.2
	02/19/20	6.81	0.685	11.46	3.14	-11.4
	06/17/20	6.97	0.520	14.17	0.33	-123.1
	09/13/20	7.13	0.967	14.91	1.15	-125.7
	12/15/20	7.15	0.608	12.69	0.56	-142.9
OW-3(35)[2]	02/06/19	7.10	1.899	13.44	0.05	-179.4
	08/21/19	6.71	0.614	16.78	0.30	-100.2
	02/18/20	7.04	1.538	11.44	0.61	-146.2
	09/13/20	7.23	1.122	13.84	1.54	-125.6
OW-3(55)[2]	02/06/19	6.83	2.102	13.01	5.66	127.8
	08/21/19	6.68	0.636	15.84	0.49	-190.1
	02/18/20	7.04	1.709	11.20	0.62	-149.2
	09/13/20	7.10	1.185	14.21	4.06	-118.3
MW-15[2]	02/06/19	6.54	1.235	11.8	0.30	-109
	08/20/19	6.35	2.161	16.61	1.02	-50.5
	02/18/20	6.18	1.196	12.51	0.43	19.1
	09/14/20	6.54	1.767	14.29	3.38	-80.5
OW-4(35)[2]	02/05/19	6.88	3.341	11.1	0.19	-132
	08/21/19	6.71	1.386	14.83	0.70	-76.8
	02/18/20	6.59	3.353	11.59	0.62	-110.1
	09/13/20	6.45	2.016	16.28	0.79	-88.8
OW-4(54)[2]	02/05/19	7.14	1.901	11.6	0.26	-96
	08/21/19	7.15	0.978	14.71	0.20	-75.5
	02/18/20	6.93	1.994	10.02	0.50	-104.5
	09/13/20	6.74	1.634	15.95	0.74	-106.9

Table 2
Summary of Field Parameters - Stability Monitoring Wells
TORX Facility, 4366 North Old US Highway 31, Rochester, Indiana

Monitoring Well / Point ID	Date Measured	pH S.U.	Conductivity mS/cm	Temperature °C	DO mg/L	ORP mV
MW-17[1]	02/05/19	6.99	0.960	7.29	0.17	-78.4
	05/16/19	6.99	0.722	14.78	0.16	-86.5
	08/20/19	6.81	1.279	21.33	0.25	-62.1
	11/25/19	7.28	0.673	12.94	0.27	-101.4
	02/17/20	7.49	0.774	9.20	0.41	-64.7
	06/16/20	7.11	0.771	15.15	0.19	-84.3
	09/14/20	6.95	1.290	13.81	0.15	-99.7
	12/15/20	7.01	0.838	9.59	0.46	-99.2
MW-25(16.4)[2]	02/06/19	6.84	0.789	11.9	0.13	-122
	08/20/19	6.62	1.208	15.65	0.10	-90.2
	02/18/20	6.70	0.768	11.12	0.53	-106.4
	09/14/20	6.84	1.234	15.93	0.89	-124.5
MW-25(32.6)[2]	02/06/19	6.87	0.644	12.6	0.39	-132
	08/20/19	6.63	1.032	17.77	0.28	-102.7
	02/18/20	6.79	0.648	12.21	0.41	-95.2
	09/14/20	6.78	0.957	15.03	1.29	-114.8
MW-25(82)[2]	02/06/19	7.06	0.699	11.8	0.35	-113
	08/20/19	7.04	1.172	15.98	0.71	-51.8
	02/18/20	6.78	0.730	10.82	2.13	57.6
	09/14/20	7.09	1.214	14.33	3.93	-93.0
MW-26(17.5)[1]	02/05/19	7.07	1.575	10.2	0.17	-113
	05/16/19	6.80	0.843	13.73	1.48	-102.8
	08/19/19	6.27	0.813	15.22	1.79	-78.6
	11/25/19	7.18	0.788	13.99	0.87	-139.5
	02/18/20	7.41	0.830	11.61	2.32	-98.6
	06/16/20	6.94	0.733	16.74	0.32	-123.1
	09/14/20	7.20	1.193	14.86	0.68	-135.1
	12/15/20	7.03	0.731	11.63	0.47	-145.1
MW-26(28.8)[1]	02/05/19	7.03	2.230	12.5	0.14	-113
	05/16/19	7.09	1.203	14.63	0.05	-106.8
	08/19/19	6.27	1.144	14.57	0.12	-69.7
	11/25/19	6.95	1.103	13.37	0.40	-121.4
	02/18/20	6.86	1.199	11.60	0.28	-63.1
	06/16/20	6.59	1.028	13.52	0.07	-96.2
	09/14/20	6.69	1.690	13.64	0.24	-99.1
	12/15/20	6.83	0.814	11.01	0.80	-104.4
MW-26(58.2)[1]	02/05/19	7.37	0.968	11.8	0.27	141
	05/16/19	7.21	0.573	13.64	0.44	-125.8
	08/19/19	6.95	0.604	15.74	1.01	-95.0
	11/25/19	7.44	0.528	13.49	0.38	-152.9
	02/18/20	6.87	0.600	11.20	0.39	-104.7
	06/16/20	7.14	0.502	14.60	0.28	-130.2
	09/14/20	6.96	0.889	14.37	4.74	-97.8
	12/15/20	7.17	0.573	12.15	0.49	-144.5

Table 2
Summary of Field Parameters - Stability Monitoring Wells
TORX Facility, 4366 North Old US Highway 31, Rochester, Indiana

Monitoring Well / Point ID	Date Measured	pH S.U.	Conductivity mS/cm	Temperature °C	DO mg/L	ORP mV
MW-27(18)[1]	02/05/19	7.14	0.879	9.49	0.12	-119.7
	05/16/19	6.99	0.660	13.00	0.09	-153.8
	08/19/19	7.67	0.701	18.31	10.85	1.4
	11/25/19	7.44	0.668	14.29	0.21	-173.1
	02/17/20	8.45	0.672	8.16	0.41	-114.9
	06/16/20	7.16	0.671	13.40	0.07	-154.6
	09/14/20	7.24	1.144	16.17	0.21	-155.1
	12/14/20	7.43	0.696	12.48	0.47	-154.0
OW-5(16)[2]	02/06/19	6.78	1.825	11.60	0.18	-136.1
	08/21/19	6.73	0.651	16.30	0.35	-199.2
	02/18/20	6.48	0.757	11.27	0.51	-53.3
	09/13/20	6.81	1.212	16.75	0.08	-111.1
OW-5(35)[2]	02/05/19	6.92	0.881	12.42	0.86	-90.5
	08/21/19	6.56	0.623	16.68	0.46	-194.1
	02/18/20	6.36	0.601	11.75	0.37	4.8
	09/13/20	6.81	1.054	16.31	1.10	-95.6
OW-5(44)[2]	02/06/19	6.45	3.137	11.89	0.21	-125.2
	08/21/19	6.00	1.065	15.40	0.40	-180.2
	02/18/20	6.14	1.120	12.07	0.52	-42.2
	09/13/20	6.43	1.478	17.40	0.22	-87.6
OW-6(38)[1]	02/05/19	7.06	0.932	12.38	1.97	-104.5
	05/16/19	7.00	0.668	13.15	1.7	-111.8
	08/21/19	7.19	0.739	14.88	0.12	-107.3
	11/25/19	7.35	0.775	12.87	0.14	-155.1
	02/17/20	8.30	0.735	8.61	0.35	-111.0
	06/16/20	7.02	0.700	12.81	0.12	-120.3
	09/13/20	6.87	1.357	17.45	1.21	-109.4
	12/14/20	7.30	0.743	10.95	0.62	-142.4
OW-6(63)[1]	02/05/19	6.79	2.164	11.99	0.19	-115.0
	05/16/19	6.97	2.087	12.72	1.1	-114.7
	08/21/19	7.10	0.78	15.3	0.25	-104.6
	11/25/19	7.24	0.891	12.73	0.25	-153.2
	02/17/20	7.33	0.797	8.92	0.39	-93.5
	06/16/20	7.09	0.754	13.13	0.08	-140.6
	09/13/20	6.81	1.380	13.85	1.98	-96.2
	12/14/20	7.30	0.801	8.91	0.60	-151.3

(1) Well sampled quarterly

(2) Well sampled semi-annually

NM - Not Measured
mS/cm - milli Siemen/centimeter
mg/L - milligram per liter
mV - millivolt
°C - degrees Celsius
S.U. - Standard Unit
ORP - Oxidation-Reduction Potential
DO - Dissolved Oxygen

Prepared By: RLB
Checked By: RED

Table 3
Summary of Target VOC Concentrations and Contaminant Mass - Stability Monitoring Wells
TORX Facility, 4366 North Old US Highway 31, Rochester, Indiana

Treatment Area	Sample ID	Sample Date	1,1-DCE (96.94)		cis-1,2-DCE (96.94)		trans-1,2-DCE (96.94)		PCE (165.83)		TCE (131.39)		Vinyl Chloride (62.5)		Total Contaminant Mass
			µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	*m/L**
Source Area Behind Plant	*MW-59(29)*	*10/25/18*	*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*0.00*
	MW-59(29)	2/7/19	1 U		1 U		1 U		1 U		1 U		1 UJ		*0.00*
	MW-59(29)	8/22/19	1 U		**1.0**	0.01	1 U		1 U		1 U		**1.2**	0.02	**0.03**
	MW-59(29)-R	8/22/19	1 U		**1.1**	0.01	1 U		1 U		1 U		**1.3**	0.02	**0.03**
	MW-59(29)	2/19/20	1 U		**3.7**	0.04	1 U		1 U		1 U		**5.0**	0.08	**0.12**
	MW-59(29)-R	2/19/20	1 U		**4.9**	0.05	1 U		1 U		1 U		**6.1**	0.10	**0.15**
	MW-59(29)	9/14/20	1 U		1 U		1 U		1 U		1 U		**2.5 J+**	0.04	**0.04**
	MW-59(29)-R	9/14/20	1 U		**1.2 J+**	0.01	1 U		1 U		1 U		**3.0 J+**	0.05	**0.06**
	MW-59(46)	*7/24/18*	*1 U*		**1.0**	*0.01*	*1 U*		*1 U*		*1 U*		***7.7***	*0.12*	***0.13***
	MW-59(46)	2/6/19	**12 J**	0.12	**1,200**	12.4	**7.0 J**	0.07	1 U		1 U		**1,600 J**	25.6	**38.2**
	MW-59(46)	8/22/19	**41**	0.42	**1,200**	12.4	**16**	0.17	1 U		1 U		**1,600**	25.6	**38.6**
	MW-59(46)	2/19/20	**82 J**	0.85	**2,500 J**	25.8	**13 J**	0.13	1 UJ		**1.8 J**	0.01	**1,200 J**	19.2	**46.0**
	MW-59(46)	9/14/20	**130**	1.34	**2,800**	28.9	**23**	0.24	1 U		**380**	2.89	**1,100**	17.6	**51.0**
	MW-81(27)	*10/25/18*	*1 U*		***4.7***	*0.05*	*1 U*		*1 U*		*1 U*		***10***	*0.16*	***0.21***
	MW-81(27)-R	*10/25/18*	*1 U*		***3.5***	*0.04*	*1 U*		*1 U*		*1 U*		***8.6***	*0.14*	***0.17***
	MW-81(27)	2/7/19	1 U		**38**	0.39	1 U		1 U		1 U		**46 J**	0.74	**1.13**
	MW-81(27)	8/21/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-81(27)	2/19/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-81(27)	9/14/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
Source Area Beneath Plant Building	*MW-68(32)*	*10/25/18*	*5 U*		***110***	*1.1*	*5 U*		*5 U*		*5 U*		***600***	*10*	***11***
	MW-68(32)	2/7/19	1 U		**4.9**	0.05	1 U		1 U		1 U		**35**	0.56	**0.61**
	MW-68(32)	8/22/19	1 U		**12**	0.12	1 U		1 U		1 U		**44**	0.70	**0.83**
	MW-68(32)	2/19/20	1 U		**1.1**	0.01	1 U		1 U		1 U		1 U		**0.01**
	MW-68(32)	9/14/20	1 U		**1.5**	0.02	1 U		1 U		1 U		1 U		**0.02**
	MW-72(32)	*10/25/18*	*1 U*		***1.7***	*0.02*	*1 U*		*1 U*		*1 U*		*1 U*		***0.02***
	MW-72(32)	2/7/19	1 U		**1.0**	0.01	1 U		1 U		1 U		1 U		**0.01**
	MW-72(32)	8/22/19	1 U		**1.3**	0.01	1 U		1 U		1 U		**1.9**	0.03	**0.04**
	MW-72(32)	2/19/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-72(32)	9/14/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00

Table 3
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TORX Facility, 4366 North Old US Highway 31, Rochester, Indiana

Treatment Area	Sample ID	Sample Date	1,1-DCE (96.94)		cis-1,2-DCE (96.94)		trans-1,2-DCE (96.94)		PCE (165.83)		TCE (131.39)		Vinyl Chloride (62.5)		Total Contaminant Mass
			µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	*m/L**
Treatment Zone A	*MW-6C*	*10/24/18*	*1 U*		***34***	*0.35*	*1 U*		*1 U*		***1.1 J***	*0.01*	***13***	*0.21*	***0.57***
	MW-6C-R	*10/24/18*	*1 U*		***29***	*0.30*	*1 U*		*1 U*		*1 UJ*		***11***	*0.18*	***0.48***
	MW-6C	2/6/19	1 U		**4.9**	0.05	1 U		1 U		1 U		**2.1 J**	0.03	**0.08**
	MW-6C-R	2/6/19	1 U		**4.5**	0.05	1 U		1 U		1 U		**2.3 J**	0.04	**0.08**
	MW-6C	5/17/19	1 U		**2.8**	0.03	1 U		1 U		1 U		**1.9**	0.03	**0.06**
	MW-6C-R	5/17/19	1 U		**2.7**	0.03	1 U		1 U		1 U		**2.0**	0.03	**0.06**
	MW-6C	8/21/19	1 U		**4.0**	0.04	1 U		1 U		1 U		**2.3**	0.04	**0.08**
	MW-6C	11/26/19	1 U		**7.0**	0.07	1 U		1 U		1 U		**4.2**	0.07	**0.14**
	MW-6C	2/19/20	1 U		**6.1**	0.06	1 U		1 U		1 U		**6.0**	0.10	**0.16**
	MW-6C	6/16/20	1 U		**7.0**	0.07	1 U		1 U		1 U		**4.1 J**	0.07	**0.14**
	MW-6C	9/13/20	1 U		**1.2**	0.01	1 U		1 U		1 U		**1.4**	0.02	**0.03**
	MW-6C	12/15/20	1 U		**1.5**	0.02	1 U		1 U		1 U		**2.0**	0.03	**0.05**
	MW-20(51)	*10/25/18*	*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*0.00*
	MW-20(51)	2/7/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-20(51)	8/20/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-20(51)	2/19/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-20(51)	9/13/20	1 U		1 U		1 U		1 U		1 U		**33 J+**	0.53	**0.53**
	MW-82(58)	*10/24/18*	*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*0.00*
	MW-82(58)	2/6/19	1 U		1 U		1 U		1 U		1 U		1 UJ		0.00
	MW-82(58)	8/20/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-82(58)	2/19/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-82(58)	9/14/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-1(39)	*10/24/18*	*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*1 UJ*		*0.00*
	OW-1(39)	2/6/19	1 U		1 U		1 U		1 U		1 U		1 UJ		0.00
	OW-1(39)	5/17/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-1(39)	8/21/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-1(39)	11/26/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-1(39)	2/18/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-1(39)	6/17/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-1(39)	9/13/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-1(39)	12/14/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00

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Treatment Area	Sample ID	Sample Date	1,1-DCE (96.94)		cis-1,2-DCE (96.94)		trans-1,2-DCE (96.94)		PCE (165.83)		TCE (131.39)		Vinyl Chloride (62.5)		Total Contaminant Mass
			µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	*m/L**
Treatment Zone B	*MW-14*	*10/24/18*	*1 U*		***1.8 J***	*0.02*	*1 U*		*1 U*		*1 U*		*1 U*		***0.02***
	MW-14	2/6/19	1 U		**1.0**	0.01	1 U		1 U		1 U		1 UJ		**0.01**
	MW-14	5/17/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-14	8/20/19	1 U		**1.5**	0.02	1 U		1 U		1 U		**1.1**	0.02	**0.03**
	MW-14	11/26/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-14	2/18/20	1 U		1 U		1 U		1 U		1 U		**1.4**	0.02	**0.02**
	MW-14	6/17/20	1 U		**2.0**	0.02	1 U		1 U		1 U		**2.0**	0.03	**0.05**
	MW-14	9/14/20	1 U		1 U		1 U		1 U		1 U		**1.8**	0.03	**0.03**
	MW-14	12/14/20	1 U		**1.6**	0.02	1 U		1 U		1 U		**3.7**	0.06	**0.08**
	OW-2(33)	*10/23/18*	*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*0.00*
	OW-2(33)	2/6/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-2(33)	5/16/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-2(33)	8/21/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-2(33)	11/26/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-2(33)	2/19/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-2(33)	6/17/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-2(33)	9/13/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-2(33)	12/15/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-2(53)	*10/23/18*	*1 UJ*		*1 UJ*		*1 UJ*		*1 UJ*		*1 UJ*		*1 UJ*		*0.00*
	OW-2(53)	2/6/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-2(53)	5/16/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-2(53)	8/21/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-2(53)	11/26/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-2(53)	2/19/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-2(53)	6/17/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-2(53)	9/13/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-2(53)	12/15/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-3(35)	*10/23/18*	*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*0.00*
	OW-3(35)	2/6/19	1 U		1 U		1 U		1 U		1 U		1 UJ		0.00
	OW-3(35)	8/21/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-3(35)	2/18/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-3(35)	9/13/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-3(55)	*10/23/18*	*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*0.00*
	OW-3(55)	2/6/19	1 U		1 U		1 U		1 U		1 U		1 UJ		0.00
	OW-3(55)	8/21/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-3(55)	2/18/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-3(55)	9/13/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00

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Treatment Area	Sample ID	Sample Date	1,1-DCE (96.94)		cis-1,2-DCE (96.94)		trans-1,2-DCE (96.94)		PCE (165.83)		TCE (131.39)		Vinyl Chloride (62.5)		Total Contaminant Mass
			µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	*m/L**
Treatment Zone C	*MW-15*	*10/24/18*	*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*0.00*
	MW-15	2/6/19	1 U		1 U		1 U		1 U		1 U		1 UJ		0.00
	MW-15	8/20/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-15	2/18/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-15	9/14/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-4(35)	*10/24/18*	*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*0.00*
	OW-4(35)	2/5/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-4(35)	8/21/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-4(35)	2/18/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-4(35)	9/13/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-4(54)	*10/24/18*	*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*0.00*
	OW-4(54)	2/5/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-4(54)	8/21/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-4(54)	2/18/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-4(54)	9/13/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
Treatment Zone D	*MW-17*	*10/23/18*	*1 U*		***27***	*0.28*	*1 U*		*1 U*		***58***	*0.44*	*1 U*		***0.72***
	MW-17	2/5/19	1 U		**21**	0.22	1 U		1 U		**42**	0.32	1 UJ		**0.54**
	MW-17	5/16/19	1 U		**23**	0.24	1 U		1 U		**42**	0.32	**1.2**	0.02	**0.58**
	MW-17	8/20/19	1 U		**20**	0.21	1 U		1 U		**39**	0.30	**1.6**	0.03	**0.53**
	MW-17	11/25/19	1 U		**19**	0.20	1 U		1 U		**30**	0.23	**2.2**	0.04	**0.46**
	MW-17	2/17/20	1 U		**15**	0.15	1 U		1 U		**27**	0.21	**3.4**	0.05	**0.41**
	MW-17	6/16/20	1 U		**22**	0.23	1 U		1 U		**17**	0.13	**3.6**	0.06	**0.41**
	MW-17-R	6/16/20	1 U		**22**	0.23	1 U		1 U		**17**	0.13	**3.8**	0.06	**0.42**
	MW-17	9/14/20	1 U		**19 J+**	0.20	1 U		1 U		**24 J+**	0.18	**3.1 J+**	0.05	**0.43**
	MW-17	12/15/20	1 U		**16**	0.17	1 U		1 U		**21**	0.16	**2.4**	0.04	**0.36**
	MW-17-R	12/15/20	1 U		**16**	0.17	1 U		1 U		**22**	0.17	**2.3**	0.04	**0.37**
	MW-25(16.4)	*10/23/18*	*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*0.00*
	MW-25(16.4)	2/6/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-25(16.4)	8/20/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-25(16.4)	2/18/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-25(16.4)	9/14/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-25(32.6)	*10/23/18*	*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*0.00*
	MW-25(32.6)	2/6/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-25(32.6)	8/20/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-25(32.6)	2/18/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-25(32.6)	9/14/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00

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			µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	*m/L**
Treatment Zone D	*MW-25(82)*	*7/23/18*	*1 U*		***1.2***	*0.01*	*1 U*		*1 U*		*1 U*		***2.5***	*0.04*	***0.05***
	MW-25(82)	2/6/19	1 U		**1.4**	0.01	1 U		1 U		1 U		**2.8 J**	0.04	**0.06**
	MW-25(82)	8/20/19	1 U		**1.5**	0.02	1 U		1 U		1 U		**3.6**	0.06	**0.07**
	MW-25(82)	2/18/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-25(82)-R	2/18/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-25(82)	9/14/20	1 U		**1.1**	0.01	1 U		1 U		1 U		**2.7**	0.04	0.05
	MW-26(17.5)	*10/22/18*	*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*0.00*
	MW-26(17.5)	2/5/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-26(17.5)	5/16/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-26(17.5)	8/19/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-26(17.5)	11/25/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-26(17.5)-R	11/25/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-26(17.5)	2/18/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-26(17.5)	6/16/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-26(17.5)	9/14/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-26(17.5)	12/15/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-26(28.8)	*10/22/18*	*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*0.00*
	MW-26(28.8)	2/5/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-26(28.8)	5/16/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-26(28.8)	8/19/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-26(28.8)	11/25/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-26(28.8)	2/18/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-26(28.8)	6/16/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-26(28.8)	9/14/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-26(28.8)	12/15/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-26(58.2)	*10/22/18*	*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*0.00*
	MW-26(58.2)	2/5/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-26(58.2)	5/16/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-26(58.2)	8/19/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-26(58.2)	11/25/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-26(58.2)	2/18/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-26(58.2)	6/16/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-26(58.2)	9/14/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-26(58.2)	12/15/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00

Table 3
Summary of Target VOC Concentrations and Contaminant Mass - Stability Monitoring Wells
TORX Facility, 4366 North Old US Highway 31, Rochester, Indiana

Treatment Area	Sample ID	Sample Date	1,1-DCE (96.94)		cis-1,2-DCE (96.94)		trans-1,2-DCE (96.94)		PCE (165.83)		TCE (131.39)		Vinyl Chloride (62.5)		Total Contaminant Mass
			µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	*m/L**
Treatment Zone D	*MW-27(18)*	*7/20/18*	*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*0.00*
	MW-27(18)-R	*7/20/18*	*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*0.00*
	MW-27(18)	2/5/19	1 U		1 U		1 U		1 U		1 U		1 UJ		0.00
	MW-27(18)	5/16/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-27(18)	8/19/19	1 U		1 U		1 U		1 U		**1.1**	0.01	1 U		**0.01**
	MW-27(18)-R	8/19/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-27(18)	11/25/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-27(18)	2/17/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-27(18)	6/16/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-27(18)	9/14/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	MW-27(18)	12/14/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-5(16)	*10/24/18*	*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*0.00*
	OW-5(16)	2/6/19	1 U		1 U		1 U		1 U		1 U		1 UJ		0.00
	OW-5(16)	8/21/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-5(16)	2/18/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-5(16)	9/13/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-5(35)	*10/23/18*	*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*0.00*
	OW-5(35)	2/5/19	1 U		1 U		1 U		1 U		1 U		1 UJ		0.00
	OW-5(35)	8/21/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-5(35)	2/18/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-5(35)	9/13/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-5(44)	*10/23/18*	*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*0.00*
	OW-5(44)	2/6/19	1 U		1 U		1 U		1 U		1 U		1 UJ		0.00
	OW-5(44)	8/21/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-5(44)	2/18/20	1 UJ		1 UJ		1 UJ		1 UJ		1 UJ		1 UJ		0.00
	OW-5(44)	9/13/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-6(38)	*7/19/18*	*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*0.00*
	OW-6(38)	2/5/19	1 U		1 U		1 U		1 U		1 U		1 UJ		0.00
	OW-6(38)-R	2/5/19	1 U		1 U		1 U		1 U		1 U		1 UJ		0.00
	OW-6(38)	5/16/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-6(38)	8/21/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-6(38)	11/25/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-6(38)	2/17/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-6(38)	6/16/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-6(38)	9/13/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-6(38)	12/14/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00

Table 3

Summary of Target VOC Concentrations and Contaminant Mass - Stability Monitoring Wells
TORX Facility, 4366 North Old US Highway 31, Rochester, Indiana

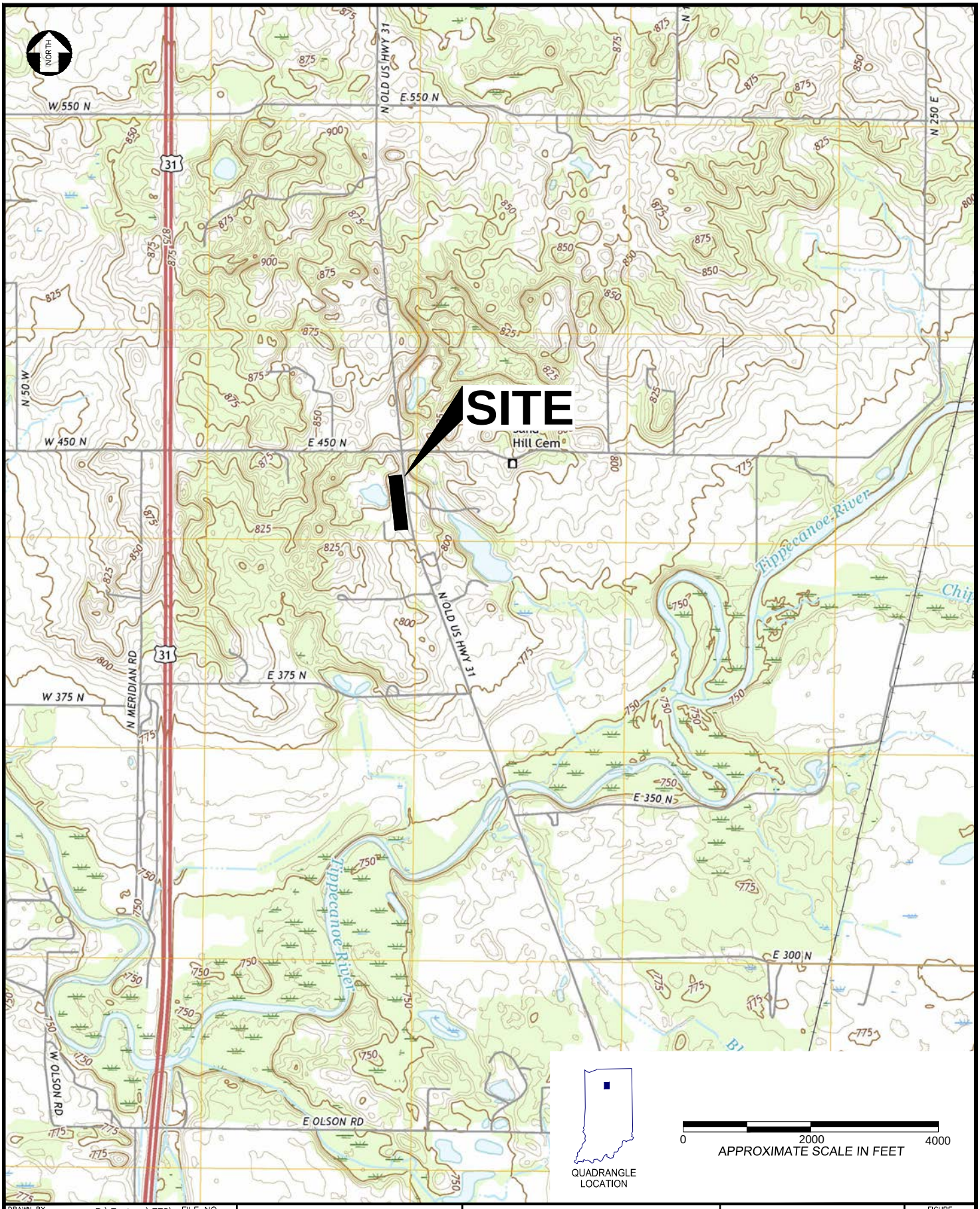
Treatment Area	Sample ID	Sample Date	1,1-DCE (96.94)		cis-1,2-DCE (96.94)		trans-1,2-DCE (96.94)		PCE (165.83)		TCE (131.39)		Vinyl Chloride (62.5)		Total Contaminant Mass
			µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	µg/L	*m/L**	*m/L**
Treatment Zone D	*OW-6(63)*	*7/19/18*	*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*1 U*		*0.00*
	OW-6(63)	2/5/19	1 U		1 U		1 U		1 U		1 U		1 UJ		0.00
	OW-6(63)	5/16/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-6(63)	8/21/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-6(63)-R	8/21/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-6(63)	11/25/19	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-6(63)	2/17/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-6(63)	6/16/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-6(63)	9/13/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-6(63)-R	9/13/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00
	OW-6(63)	12/14/20	1 U		1 U		1 U		1 U		1 U		1 U		0.00

Notes:
J - Estimated concentration, analyte detected below quantitation limit
J+ - Estimated biased high concentration
U - Analyzed but not detected above the MDL
(96.94) - Compound molecular weight in grams per mole

*m/L** - micromole per liter
mg/L - micrograms per liter
Italic text is baseline data

Prepared by: RLB
Checked by: PJS

FIGURES



DRAWN BY: RLB	FILE NO.: P:\Textron\TFS\Drawings\TFS Topo.dwg	TORX FACILITY 4366 NORTH OLD US HIGHWAY 31 ROCHESTER, INDIANA	SITE LOCATION MAP
APPROVED BY: RED/PJS	DATE: 12/30/2020	wood.	FIGURE 1
SOURCE: USGS 7.5 minute topographic survey maps of Argos and Rochester, IN, 2016.			
PROJECT NO.: 3359 15 1040	SCALE: SEE ABOVE		SHEET 1 of 1

TREATMENT ZONES, ARRAYS AND WELL LOCATIONS

FIGURE 2

SHEET 1 of 1

TORX FACILITY
4366 NORTH OLD US HIGHWAY 31
ROCHESTER, INDIANA

IN-SITU CHEMICAL REDUCTION ZONE

DOWNGRADIENT TREATMENT ZONE

SOURCE AREA TREATMENT ZONE

TREATMENT ZONE A

TREATMENT ZONE B

TREATMENT ZONE C

TREATMENT ZONE D

WESTERN POND

EASTERN POND

N OLD US HIGHWAY 31

4403

4377

STORAGE BUILDING

STORAGE BUILDING

STORAGE BUILDING

Row 1 Row 2 Row 3 Row 4 Array A Array B Array C Array D Array E Array F Array G Array H Array I Array J Array K Array L Array M Array N Array O Array P Array Q Array R Array S Array T Array U Array V Array W Array X Array Y Array Z

MW-8 MW-43 B-64 MW-19 MW-55 MW-56 MW-89(28) MW-81(27) B-87 INJ-2 PM-2 PM-3 MW-59(29) MW-58(46) MW-52 MW-80 MW-60 MW-61 MW-3 B-73 MW-65 MW-76 B-66 MW-67 B-69 MW-68 MW-78 B-70 MW-77 MW-72 MW-71 MW-79 MW-20 MW-6C MW-6B MW-41 MW-62 MW-12 MW-82 MW-13 OW-1 OW-2 B-63 MW-24 MW-14 OW-3 MW-15 MW-25 OW-4 MW-11 MW-83 B-74 MW-75 MW-9A MW-9B MW-9C MW-45 MW-21 MW-84(65) MW-84(44) OW-5 MW-27 MW-16 B-86 B-87 ZVI-1 B-88 ZVI-2 MW-26 MW-17 OW-6

LEGEND

PM-1	Performance Monitoring Well Location
OW-5	Observation Monitoring Well Location
INJ-1	Biostimulation Injection Well Location
B-87	Soil Boring Location
MW-28	Overburden Monitoring Well Location
MW-40	Bedrock Monitoring Well Location
	Treatment Zone A Injection Wells
	Treatment Zone B Injection Wells
	Treatment Zone C Injection Wells
	Treatment Zone D Injection Wells
	ABC + Injection Points
	Array A & B Shallow/Deep Injection Wells
	Building Treatment Zone Injection Wells
Array N	Injection Array
	2016 Polishing Injection Point Locations
	2017 Polishing Injection Point Locations (shaded areas represent angled injection areas)

Note:
Grayed well locations were abandoned in 2014.
(MW-80, MW-81(45), INJ-1, INJ-3, and PM-1)

0 80 160
APPROXIMATE SCALE IN FEET

DRAWN BY RLB
APPROVED BY RED/PJS
PROJECT NO. 3359 15 1040
FILE NO. P:\Textron\TFS\Drawings\PM 2017 Site Plan.dwg
DATE 12/30/2020
SCALE SEE ABOVE

SOURCE Wells surveyed by Territorial Engineering, Fulton County, IN GIS, 2005.

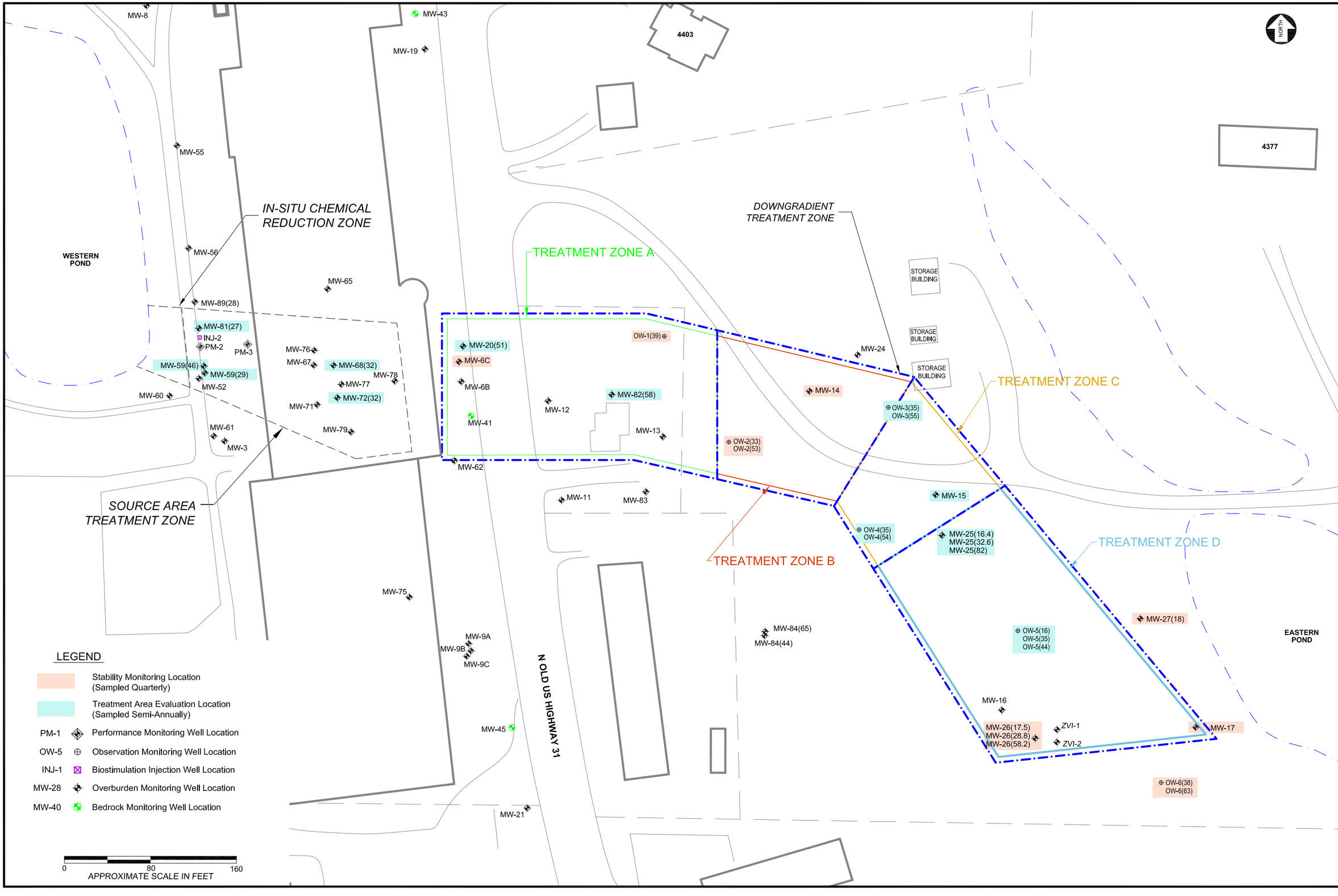


FIGURE 3

SHEET 1 of 1

GROUNDWATER STABILITY ASSESSMENT MONITORING WELL LOCATIONS

TORX FACILITY
4366 NORTH OLD US HIGHWAY 31
ROCHESTER, INDIANA

DRAWN BY: RLB	P:\Textron\TFS\ Drawings\Stability MWs.dwg
APPROVED BY: RED/PJS	DATE: 12/30/2020
SOURCE: Wells surveyed by Territorial Engineering, Fulton County, IN GIS, 2005.	
PROJECT NO. 3359 15 1040	SCALE: SEE ABOVE

GROUNDWATER CONTOUR MAP
SHALLOW OVERBURDEN WELLS
SOURCE TREATMENT AREA
14 DECEMBER 2020

FIGURE 4

SHEET 1 of 1

NORTH

783.45
MW-85(39)

784.5
784.0
783.5
783.0
782.5
782.0
781.5
781.0
780.5
780.0
779.5

SOURCE AREA
TREATMENT ZONE

TREATMENT ZONE A

TREATMENT ZONE B

TREATMENT ZONE C

TREATMENT ZONE D

INFERRED
PLUME CENTERLINE

WESTERN
POND

EASTERN
POND

N OLD US HIGHWAY 31

STORAGE BUILDING

784.05
MW-89(28)

783.82
MW-65(32)

783.93
MW-76(30)

783.93
MW-67(30)

783.89
MW-68(32)

MW-77(41)
783.84

MW-78(35)
783.80

MW-79(30)
784.05

MW-81(27)
784.12

PM-2
784.35

PM-3
784.17

MW-60(38)
784.21

MW-59(29)
784.01

783.91
MW-3

783.92
MW-71(33)

783.90
MW-72(32)

783.76
MW-20(35)

MW-6C
783.78

783.69
OW-1(28)

783.74
MW-12

MW-13
783.75

783.76
MW-62(36)

OW-2(33)
783.59

783.52
MW-24(24.9)

783.55
MW-14

783.45
OW-3(35)

783.10
MW-25(16.4)

OW-4(35)
782.96

MW-75(32)
783.78

783.76
MW-9C

MW-84(44)
783.46

OW-5(16)
781.24

780.70
MW-27(18)

MW-16
781.02

MW-26(17.5)
780.89

780.89
ZVI-2(17.5)

780.74
MW-17

779.64
OW-6(38)

MW-21(40.2)
783.52

LEGEND

MW-24(24.9) 783.52 — GROUNDWATER ELEVATION (FEET) MONITORING WELL ID AND SCREEN DEPTH

784.5 — GROUNDWATER ELEVATION CONTOUR (FEET)

INFERRED GROUNDWATER ELEVATION CONTOUR

NOTES:

1. ONLY MONITORING WELLS USED IN THE CONTOURING ARE SHOWN.
2. MONITORING WELLS LOCATED OUTSIDE OF MAP AREA WERE USED TO DEVELOP CONTOURS.

0 80 160

APPROXIMATE SCALE IN FEET

TORX FACILITY
4366 NORTH OLD US HIGHWAY 31
ROCHESTER, INDIANA

wood.

DRAWN BY	RLB
FILE NO.	P:\Textron\TFS\Drawings\GW Contours 2018 RA.dwg
APPROVED BY	RED/PJS
DATE	03/01/2021
SOURCE	Wells surveyed by Territorial Engineering; Fulton County, IN WGS, 2005.
PROJECT NO.	3359 15 1040
SCALE	SEE ABOVE

GROUNDWATER CONTOUR MAP
INTERMEDIATE OVERBURDEN WELLS
SOURCE TREATMENT AREA
14 DECEMBER 2020

FIGURE 5

SHEET 1 of 1

TORX FACILITY
4366 NORTH OLD US HIGHWAY 31
ROCHESTER, INDIANA

NORTH

785.0
784.5
784.0
783.5
783.0
782.5
782.0
781.5
781.0
780.5
780.0
779.5
779.0

785.04
MW-55(49)

784.83
MW-56(50)

MW-19(53)
783.85

SOURCE AREA
TREATMENT ZONE

WESTERN
POND

783.71
MW-52(55)

783.85
MW-9B

783.79
MW-20(51)

TREATMENT ZONE A

OW-1(39)
783.67

783.73
MW-82(58)

OW-2(53)
783.59

MW-83(64)
783.67

N OLD US HIGHWAY 31

TREATMENT ZONE B

MW-84(65)
783.24

783.55
MW-24(55.4)

STORAGE
BUILDING

STORAGE
BUILDING

STORAGE
BUILDING

OW-3(55)
783.44

TREATMENT ZONE C

MW-15
782.76

OW-4(54)
783.03

MW-25(45.2)
782.75

INFERRED
PLUME CENTERLINE

MW-27(53.05)
781.56

OW-5(35)
782.16

EASTERN
POND

TREATMENT ZONE D

ZVI-2(32.5)
780.98

MW-26(58.2)
781.56

OW-6(63)
780.26

LEGEND

MW-20(51) 783.79 — GROUNDWATER ELEVATION (FEET) MONITORING WELL ID AND SCREEN DEPTH

784.5 — GROUNDWATER ELEVATION CONTOUR (FEET)

INFERRED GROUNDWATER ELEVATION CONTOUR

NOTES:

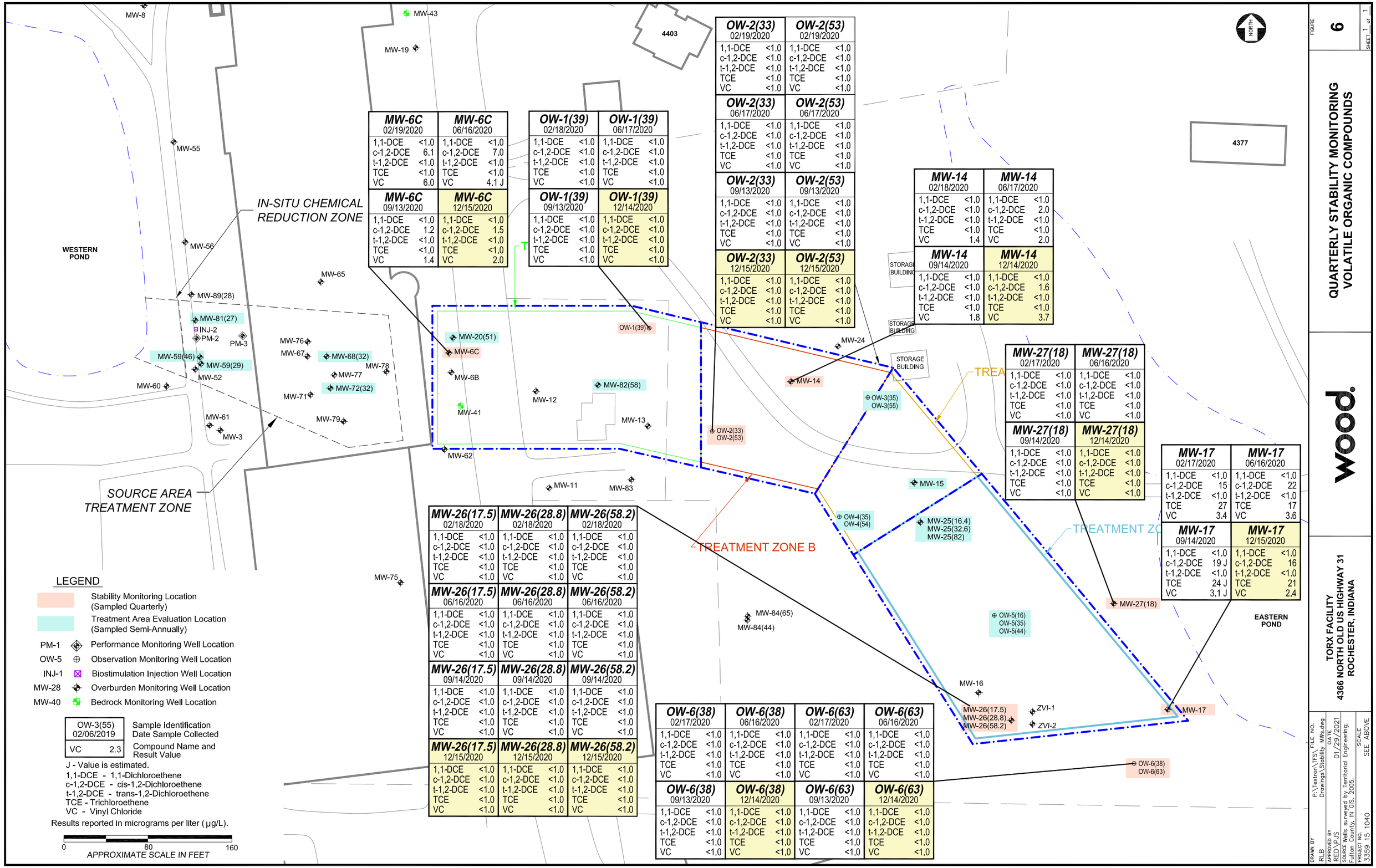
1. ONLY MONITORING WELLS USED IN THE CONTOURING ARE SHOWN.
2. MONITORING WELLS LOCATED OUTSIDE OF MAP AREA WERE USED TO DEVELOP CONTOURS.

0 80 160

APPROXIMATE SCALE IN FEET

DRAWN BY	RLB
APPROVED BY	RED / PJS
PROJECT NO.	3359 15 1040
FILE NO.	P:\Textron\TFS\Drawings\GW Contours 2018 RA.dwg
DATE	03/01/2021
SCALE	SEE ABOVE

SOURCE: Wells surveyed by Territorial Engineering; Fulton County, IN GIS, 2005.



MW-6C 02/19/2020	
1,1-DCE	<1.0
c-1,2-DCE	6.1
t-1,2-DCE	<1.0
TCE	<1.0
VC	6.0

MW-6C 06/16/2020	
1,1-DCE	<1.0
c-1,2-DCE	7.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	4.1 J

MW-6C 09/13/2020	
1,1-DCE	<1.0
c-1,2-DCE	1.2
t-1,2-DCE	<1.0
TCE	<1.0
VC	1.4

MW-6C 12/15/2020	
1,1-DCE	<1.0
c-1,2-DCE	1.5
t-1,2-DCE	<1.0
TCE	<1.0
VC	2.0

OW-1(39) 02/18/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

OW-1(39) 06/17/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

OW-1(39) 09/13/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

OW-1(39) 12/14/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

OW-2(33) 02/19/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

OW-2(53) 02/19/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

OW-2(33) 06/17/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

OW-2(53) 06/17/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

OW-2(33) 09/13/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

OW-2(53) 09/13/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

OW-2(33) 12/15/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

OW-2(53) 12/15/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

MW-14 02/18/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	1.4

MW-14 06/17/2020	
1,1-DCE	<1.0
c-1,2-DCE	2.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	2.0

MW-14 09/14/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	1.8

MW-14 12/14/2020	
1,1-DCE	<1.0
c-1,2-DCE	1.6
t-1,2-DCE	<1.0
TCE	<1.0
VC	3.7

MW-27(18) 02/17/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

MW-27(18) 06/16/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

MW-27(18) 09/14/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

MW-27(18) 12/14/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

MW-17 02/17/2020	
1,1-DCE	<1.0
c-1,2-DCE	15
t-1,2-DCE	<1.0
TCE	27
VC	3.4

MW-17 06/16/2020	
1,1-DCE	<1.0
c-1,2-DCE	22
t-1,2-DCE	<1.0
TCE	17
VC	3.6

MW-17 09/14/2020	
1,1-DCE	<1.0
c-1,2-DCE	19 J
t-1,2-DCE	<1.0
TCE	24 J
VC	3.1 J

MW-17 12/15/2020	
1,1-DCE	<1.0
c-1,2-DCE	16
t-1,2-DCE	<1.0
TCE	21
VC	2.4

MW-26(17.5) 02/18/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

MW-26(28.8) 02/18/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

MW-26(58.2) 02/18/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

MW-26(17.5) 06/16/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

MW-26(28.8) 06/16/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

MW-26(58.2) 06/16/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

MW-26(17.5) 09/14/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

MW-26(28.8) 09/14/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

MW-26(58.2) 09/14/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

MW-26(17.5) 12/15/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

MW-26(28.8) 12/15/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

MW-26(58.2) 12/15/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

OW-6(38) 02/17/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

OW-6(38) 06/16/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

OW-6(63) 02/17/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

OW-6(63) 06/16/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

OW-6(38) 09/13/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

OW-6(38) 12/14/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

OW-6(63) 09/13/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

OW-6(63) 12/14/2020	
1,1-DCE	<1.0
c-1,2-DCE	<1.0
t-1,2-DCE	<1.0
TCE	<1.0
VC	<1.0

LEGEND

- Stability Monitoring Location (Sampled Quarterly)
- Treatment Area Evaluation Location (Sampled Semi-Annually)
- PM-1 Performance Monitoring Well Location
- OW-5 Observation Monitoring Well Location
- INJ-1 Biostimulation Injection Well Location
- MW-28 Overburden Monitoring Well Location
- MW-40 Bedrock Monitoring Well Location

OW-3(55) 02/06/2019	
VC	2.3

Sample Identification
Date Sample Collected
Compound Name and Result Value

J - Value is estimated.
1,1-DCE - 1,1-Dichloroethene
c-1,2-DCE - cis-1,2-Dichloroethene
t-1,2-DCE - trans-1,2-Dichloroethene
TCE - Trichloroethene
VC - Vinyl Chloride

Results reported in micrograms per liter (µg/L).

0 80 160
APPROXIMATE SCALE IN FEET

FIGURE 6
SHEET 1 of 1

QUARTERLY STABILITY MONITORING VOLATILE ORGANIC COMPOUNDS

TORX FACILITY
4366 NORTH OLD US HIGHWAY 31
ROCHESTER, INDIANA

wood.

DRAWN BY: RLB
APPROVED BY: RED \ PJS
PROJECT NO.: 3359 15 1040
FILE NO.: P:\Textron\TFS\Drawings\Stability MWs.dwg
DATE: 01/29/2021
SCALE: SEE ABOVE
SOURCE: Wells surveyed by Territorial Engineering; Fulton County, IN GIS, 2005.

APPENDIX A

GROUNDWATER SAMPLE COLLECTION FIELD FORMS

GROUND-WATER/SURFACE WATER SAMPLING FORM

Project Location: TFS Rochester | Surface Water ☐ | Groundwater ☑ | Sample ID: ATR-MW 6C
Project Number: 3359-15-1040 | (Use: Well name)
Sampling Personnel: R. Doubrava | Date: 12/15/20 | Start Time: 1201 | Weather: P. Cloudy, 21°F

MEASUREMENT SUMMARY:
Measuring Point: TOC | Depth to Water: 26.63 | Depth to Product: — | Product Thickness: —
Total Casing Depth: 38.25 | Well Diameter: 2" | Approx. Pump Depth: 34 Feet
Screen Interval: top ____ bottom ____ Feet

SAMPLING SUMMARY:
Sampling Method: Grab ☐ | Composite ☐ | Grundfos ☐ | Bladder Pump ☑ #1448 | Peristaltic Pump ☐ | Bailer ☐
Pump Started: 1205 | Pump Stopped: 1234 | Total ~~Gallons~~ L: 7.5

Time (24-hr)	pH (S.U.)	SC (mS/cm)	Temp (°C)	Turb. (NTU)	Flow Rate (ml/min)	DTW (ft)	Drawdown (ft)	DO (mg/L)	ORP (mV)	L
1210	7.15	0.646	13.22	8.42	300	26.63	Ø	2.65	-93.8	1.5
1215	7.14	0.648	13.92	7.60	300	26.63	Ø	1.69	-96.8	3.0
1220	7.14	0.658	14.20	5.88	300	26.63	Ø	0.57	-108.3	4.5
1225	7.10	0.663	14.28	4.70	300	26.63	Ø	0.52	-113.1	6.0
1230	7.09	0.664	14.27	4.55	300	26.63	Ø	0.53	-114.0	7.5
Stabilization Criteria:		±3%	±3%	±10				±10%	±10	

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP
1230	7.09	0.664	14.27	4.55	300	26.63	Ø	0.53	-114.0

Comments: ____

Calibration: pH Calibration Buffers: 4 ☑ 7 ☑ 10 ☑ | ORP Calibration 229 mV
SC Reference Solution 1.413 mS/cm | Turbidity Cal. Solution Ø / 129 NTUs

Sample Name: ATR-MW 6C-G121520 | Time: 1232

Analyses (check)	Bottle #/Type	Preservative		Bottle #/Type	Preservative
VOCs ☑	3 G	1	Dissolved Gasses ☐		
TOC + NO_3 ☐			VFA ☐		
Fe/Mn ☐			DHC ☐		
			Alkalinity + Anions (Cl-, SO4) ☐		
Other: ____ ☐			Other: ____ ☐		

Bottle Type: G = Glass, P = Poly
Preservative Codes: 1 = HCL, 4 = NaOH, 2 = HNO_3, 5 = BAC, 3 = H_2SO_4, 6 = Na_3PO_4

MS/MSD ____ Blind Dup ____ Blind Dup Name ____ TB ____

wood.

GROUNDWATER/SURFACE WATER SAMPLING FORM

Wood Environment & Infrastructure Solutions, Inc.

GROUND-WATER/SURFACE WATER SAMPLING FORM

Project Location TFS Rochester Surface Water ☐ Groundwater ☐ Sample ID ATR-MW14
Project Number 3359-15-1040 (Use: Well name)
Sampling Personnel R. Dornbush Date 12/14/20 Start Time 1516 Weather P. Cloudy 28°F

MEASUREMENT SUMMARY:
Measuring Point TOC Depth to Water 19.15 Depth to Product — Product Thickness —
Total Casing Depth 45.78 Well Diameter 2" Approx. Pump Depth 42 Feet
Screen Interval top bottom Feet

SAMPLING SUMMARY: #1448
Sampling Method: Grab ☐ Composite ☐ Grundfos ☐ Bladder Pump ☒ Peristaltic Pump ☐ Bailer ☐
Pump Started 1520 Pump Stopped 1580 Total ~~Gallons~~ L 5

Time (24-hr)	pH (S.U.)	SC (mS/cm)	Temp (°C)	Turb. (NTU)	Flow Rate (ml/min)	DTW (ft)	Drawdown (ft)	DO (mg/L)	ORP (mV)	
1525	7.39	0.821	12.26	13.40	200	19.15	Ø	0.82	-158.0	1
1530	7.40	0.828	12.18	11.78	200	19.15	Ø	0.67	-159.9	2
1535	7.41	0.823	12.08	11.60	200	19.15	Ø	0.61	-161.4	3
1540	7.41	0.820	12.21	9.98	200	19.15	Ø	0.58	-162.8	4
1545	7.41	0.819	12.24	8.99	200	19.15	Ø	0.56	-163.5	5
Stabilization Criteria:		±3%	±3%	±10				±10%	±10	

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP
1545	7.41	0.819	12.24	8.99	200	19.15	Ø	0.56	-163.5

Comments: _____

Calibration: pH Calibration Buffers: 4 ☒ 7 ☒ 10 ☒ ORP Calibration 229 mV
SC Reference Solution 1.413 mS/cm Turbidity Cal. Solution Ø/126 NTUs

Sample Name ATR-MW14-G121420 Time 1547

Analyses (check)	Bottle #/Type	Preservative		Bottle #/Type	Preservative
VOCs ☒	3G	1	Dissolved Gasses ☐		
TOC + NO_3 ☐			VFA ☐		
Fe/Mn ☐			DHC ☐		
			Alkalinity + Anions (Cl-, SO4) ☐		
Other: ☐			Other: ☐		

Bottle Type: G = Glass, P = Poly
Preservative Codes: 1 = HCL, 4 = NaOH, 2 = HNO_3, 5 = BAC, 3 = H_2SO_4, 6 = Na_3PO_4

MS/MSD _____ Blind Dup _____ Blind Dup Name _____ TB _____

wood.
Wood Environment & Infrastructure Solutions, Inc.

GROUNDWATER/SURFACE WATER SAMPLING FORM

GROUND-WATER/SURFACE WATER SAMPLING FORM

Project Location: TFS Rochester | Surface Water ☐ | Groundwater ☒ | Sample ID: ATR-MW 17 (Use: Well name)
Project Number: 3359-15-1040
Sampling Personnel: R. Duenbostel | Date: 12/15/20 | Start Time: 1250 | Weather: P. Sunny 21°F

MEASUREMENT SUMMARY:
Measuring Point: TOC | Depth to Water: 3.82 | Depth to Product: — | Product Thickness: —
Total Casing Depth: 42.71 | Well Diameter: 2" | Approx. Pump Depth: 38 Feet
Screen Interval: top ____ bottom ____ Feet

SAMPLING SUMMARY:
Sampling Method: Grab ☐ Composite ☐ Grundfos ☐ Bladder Pump ☒ #1448 Peristaltic Pump ☐ Bailer ☐
Pump Started: 1255 | Pump Stopped: ____ | Total ~~Gallons~~ L: 7.5

Time (24-hr)	pH (S.U.)	SC (mS/cm)	Temp (°C)	Turb. (NTU)	Flow Rate (ml/min)	DTW (ft)	Drawdown (ft)	DO (mg/L)	ORP (mV)	L
1300	7.06	0.808	8.91	3.20	300	4.31	0.49	0.81	-77.6	1.5
1305	7.04	0.813	9.21	5.80	300	4.35	0.53	0.56	-86.3	3.0
1310	7.02	0.823	9.54	8.01	300	4.34	0.52	0.52	-91.6	4.5
1315	7.01	0.832	9.63	7.32	300	4.35	0.53	0.49	-96.1	6.0
1320	7.01	0.838	9.59	6.98	300	4.35	0.53	0.46	-99.2	7.5
Stabilization Criteria:		±3%	±3%	±10				±10%	±10	

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP
1320	7.01	0.838	9.59	6.98	300	4.35	0.53	0.46	-99.2

Comments: Collect Replicate from MW-17 ATR-MW17-G121520R

Calibration: pH Calibration Buffers: 4 ☒ 7 ☒ 10 ☒ | ORP Calibration 229 mV
SC Reference Solution 1.413 mS/cm | Turbidity Cal. Solution 0 / 126 NTUs

Sample Name: ATR-MW17-G121520 | Time: 1323

Analyses (check)	Bottle #/Type	Preservative		Bottle #/Type	Preservative
VOCs ☒	3 G	1	Dissolved Gasses ☐		
TOC + NO_3 ☐			VFA ☐		
Fe/Mn ☐			DHC ☐		
			Alkalinity + Anions (Cl-, SO4) ☐		
Other: ____ ☐			Other: ____ ☐		

Bottle Type: G = Glass, P = Poly
Preservative Codes: 1 = HCL, 4 = NaOH, 2 = HNO_3, 5 = BAC, 3 = H_2SO_4, 6 = Na_3PO_4

MS/MSD ____ Blind Dup ____ Blind Dup Name ____ TB ____

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Wood Environment & Infrastructure Solutions, Inc.

GROUNDWATER/SURFACE WATER SAMPLING FORM

GROUND-WATER/SURFACE WATER SAMPLING FORM

Project Location TFS Rochester Surface Water ☐ Groundwater ☒ Sample ID ATR-MW 26(17)
Project Number 3359-15-1040 (Use: Well name)
Sampling Personnel R. Dornbusch Date 12/15/20 Start Time 0755 Weather P.Cloudy 21°F

MEASUREMENT SUMMARY:
Measuring Point TOC Depth to Water 11.30 Depth to Product — Product Thickness —
Total Casing Depth 17.48 Well Diameter 2" Approx. Pump Depth 14 Feet
Screen Interval top bottom Feet

SAMPLING SUMMARY: #1448
Sampling Method: Grab ☐ Composite ☐ Grundfos ☐ Bladder Pump ☒ Peristaltic Pump ☐ Bailer ☐
Pump Started 0805 Pump Stopped 0835 Total ~~Gallons~~ Liters

Time (24-hr)	pH (S.U.)	SC (mS/cm)	Temp (°C)	Turb. (NTU)	Flow Rate (ml/min)	DTW (ft)	Drawdown (ft)	DO (mg/L)	ORP (mV)	L
0810	7.22	0.669	11.39	16.22	300	11.30	0	0.73	-152.2	1.5
0815	7.23	0.668	10.05	9.46	300	11.30	0	0.62	-151.1	3.0
0820	7.06	0.715	11.35	7.44	300	11.30	0	0.53	-144.2	4.5
0825	7.04	0.726	11.80	4.97	300	11.30	0	0.47	-145.7	6.0
0830	7.03	0.731	11.63	4.02	300	11.30	0	0.47	-145.1	7.5
Stabilization Criteria:		±3%	±3%	±10				±10%	±10	

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP
0830	7.03	0.731	11.63	4.02	300	11.30	0	0.47	-145.1

Comments: —

Calibration: pH Calibration Buffers: 4 ☒ 7 ☒ 10 ☒ ORP Calibration 229 mV
SC Reference Solution 1.413 mS/cm Turbidity Cal. Solution 0/12c NTUs

Sample Name ATR-MW26(17)-G121520 Time 0832

Analyses (check)	Bottle #/Type	Preservative		Bottle #/Type	Preservative
VOCs ☒	3 G	1	Dissolved Gasses ☐		
TOC + NO_3 ☐			VFA ☐		
Fe/Mn ☐			DHC ☐		
			Alkalinity + Anions (Cl-, SO4) ☐		
Other: ☐			Other: ☐		

Bottle Type: G = Glass P = Poly
Preservative Codes: 1 = HCL 4 = NaOH 2 = HNO_3 5 = BAC 3 = H_2SO_4 6 = Na_3PO_4

MS/MSD — Blind Dup — Blind Dup Name — TB —

GROUND-WATER/SURFACE WATER SAMPLING FORM

Project Location: TFS Rochester | Surface Water ☐ | Groundwater ☑ | Sample ID: ATR-MW26(20.8)
Project Number: 3359-15-1040 | (Use: Well name)
Sampling Personnel: R. Dombrowski | Date: 12/15/2020 | Start Time: 0843 | Weather: P. Cloudy 21°F

MEASUREMENT SUMMARY:
Measuring Point: TOC | Depth to Water: 11.19 | Depth to Product: — | Product Thickness: —
Total Casing Depth: 28.82 | Well Diameter: 2" | Approx. Pump Depth: 24 Feet
Screen Interval: top ____ bottom ____ Feet

SAMPLING SUMMARY: #1448
Sampling Method: Grab ☐ | Composite ☐ | Grundfos ☐ | Bladder Pump ☑ | Peristaltic Pump ☐ | Bailer ☐
Pump Started: 0845 | Pump Stopped: 0924 | Total ~~Gallons~~ L: 7

Time (24-hr)	pH (S.U.)	SC (mS/cm)	Temp (°C)	Turb. (NTU)	Flow Rate (ml/min)	DTW (ft)	Drawdown (ft)	DO (mg/L)	ORP (mV)	L
0850	6.83	0.783	9.86	5.06	200	11.19	0	1.07	-93.4	1
0855	6.84	0.805	8.30	5.95	200	11.19	0	1.12	-93.3	2
0900	6.84	0.784	9.53	6.04	200	11.19	0	1.49	-95.2	3
0905	6.83	0.805	10.88	4.99	200	11.19	0	0.75	-102.3	4
0910	6.83	0.807	11.17	5.80	200	11.19	0	0.75	-103.6	5
0915	6.83	0.810	11.07	8.26	200	11.19	0	0.81	-104.3	6
0920	6.83	0.814	11.01	6.71	200	11.19	0	0.80	-104.4	7
Stabilization Criteria:		±3%	±3%	±10				±10%	±10	

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP
0920	6.83	0.814	11.01	6.71	200	11.19	0	0.80	-104.4

Comments: ____

Calibration: pH Calibration Buffers: 4 ☑ 7 ☑ 10 ☑ | ORP Calibration 229 mV
SC Reference Solution 1.413 mS/cm | Turbidity Cal. Solution 0/126 NTUs

Sample Name: ATR-MW26(28.8)-G121520 | Time: 0922

Analyses (check)	Bottle #/Type	Preservative		Bottle #/Type	Preservative
VOCs ☑	3 G	1	Dissolved Gasses ☐		
TOC + NO_3 ☐			VFA ☐		
Fe/Mn ☐			DHC ☐		
			Alkalinity + Anions (Cl-, SO4) ☐		
Other: ____ ☐			Other: ____ ☐		

Bottle Type: G = Glass, P = Poly
Preservative Codes: 1 = HCL, 4 = NaOH, 2 = HNO_3, 5 = BAC, 3 = H_2SO_4, 6 = Na_3PO_4

MS/MSD ____ | Blind Dup ____ | Blind Dup Name ____ | TB ____

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GROUNDWATER/SURFACE WATER SAMPLING FORM

GROUND-WATER/SURFACE WATER SAMPLING FORM

Project Location TFS Rochester Surface Water ☐ Groundwater ☑ Sample ID ATR-MW 26(58.2)
Project Number 3359-15-1040 (Use: Well name)
Sampling Personnel R. Dornbusch Date 12/15/20 Start Time 0930 Weather P.cloudy 21°F

MEASUREMENT SUMMARY:
Measuring Point TOC Depth to Water 10.61 Depth to Product — Product Thickness —
Total Casing Depth 58.2 Well Diameter 2" Approx. Pump Depth 54 Feet
Screen Interval top bottom Feet

SAMPLING SUMMARY:
Sampling Method: Grab ☐ Composite ☐ Grundfos ☐ Bladder Pump ☑ #1448 Peristaltic Pump ☐ Bailer ☐
Pump Started 0935 Pump Stopped 1005 Total ~~Gallons~~ L 7.5

Time (24-hr)	pH (S.U.)	SC (mS/cm)	Temp (°C)	Turb. (NTU)	Flow Rate (ml/min)	DTW (ft)	Drawdown (ft)	DO (mg/L)	ORP (mV)	L
0940	7.21	0.554	12.00	3.52	300	10.61	0	1.20	-133.7	1.5
0945	7.18	0.571	12.12	4.03	300	10.61	0	0.65	-136.5	3.0
0950	7.17	0.579	12.26	4.65	300	10.61	0	0.54	-140.4	4.5
0955	7.17	0.576	12.08	4.62	300	10.61	0	0.51	-143.2	6.0
1000	7.17	0.573	12.15	4.37	300	10.61	0	0.49	-144.5	7.5
Stabilization Criteria:		±3%	±3%	±10				±10%	±10	

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP
1000	7.17	0.573	12.15	4.37	300	10.61	0	0.49	-144.5

Comments: _____

Calibration: pH Calibration Buffers: 4 ☑ 7 ☑ 10 ☑ ORP Calibration 229 mV
SC Reference Solution 1.413 mS/cm Turbidity Cal. Solution 0/126 NTUs

Sample Name ATR-MW 26(58.2)-121520 Time 1002

Analyses (check)	Bottle #/Type	Preservative		Bottle #/Type	Preservative
VOCs ☑	3 G	1	Dissolved Gasses ☐		
TOC + NO_3 ☐			VFA ☐		
Fe/Mn ☐			DHC ☐		
			Alkalinity + Anions (Cl-, SO4) ☐		
Other: ☐			Other: ☐		

Bottle Type: G = Glass, P = Poly
Preservative Codes: 1 = HCL, 4 = NaOH, 2 = HNO_3, 5 = BAC, 3 = H_2SO_4, 6 = Na_3PO_4

MS/MSD _____ Blind Dup _____ Blind Dup Name _____ TB _____

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GROUNDWATER/SURFACE WATER SAMPLING FORM

GROUND-WATER/SURFACE WATER SAMPLING FORM

Project Location TFS Rochester Surface Water ☐ Groundwater ☒ Sample ID ATR-MW27(18)
Project Number 3359-15-1040 (Use: Well name)
Sampling Personnel R. Dunbrack Date 12/14/20 Start Time 1250 Weather Overcast 28°F

MEASUREMENT SUMMARY:
Measuring Point TOC Depth to Water 5.12 Depth to Product — Product Thickness —
Total Casing Depth 17.62 Well Diameter 2" Approx. Pump Depth 14 Feet
Screen Interval top bottom Feet

SAMPLING SUMMARY: #1448
Sampling Method: Grab ☐ Composite ☐ Grundfos ☐ Bladder Pump ☒ Peristaltic Pump ☐ Bailer ☐
Pump Started 1300 Pump Stopped 1325 Total ~~Gallons~~ L 6.0

Time (24-hr)	pH (S.U.)	SC (mS/cm)	Temp (°C)	Turb. (NTU)	Flow Rate (ml/min)	DTW (ft)	Drawdown (ft)	DO (mg/L)	ORP (mV)	
1305	7.36	0.686	12.43	12.80	300	5.12	Ø	0.62	-146.0	1.5
1310	7.40	0.688	12.55	6.74	300	5.12	Ø	0.52	-147.0	3.0
1315	7.43	0.694	12.55	6.80	300	5.12	Ø	0.49	-150.0	4.5
1320	7.43	0.696	12.48	8.00	300	5.12	Ø	0.47	-154.0	6.0
Stabilization Criteria:		±3%	±3%	±10				±10%	±10	

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP
1320	7.43	0.696	12.48	8.00	300	5.12	Ø	0.47	-154.0

Comments: _____

Calibration: pH Calibration Buffers: 4 ☒ 7 ☒ 10 ☒ ORP Calibration 229 mV
SC Reference Solution 1413 mS/cm Turbidity Cal. Solution 0/126 NTUs

Sample Name ATR-MW27(18)-G121420 Time 1323

Analyses (check)	Bottle #/Type	Preservative		Bottle #/Type	Preservative
VOCs ☒	G-3	HCL	Dissolved Gasses ☐		
TOC + NO_3 ☐			VFA ☐		
Fe/Mn ☐			DHC ☐		
			Alkalinity + Anions (Cl-, SO4) ☐		
Other: ☐			Other: ☐		

Bottle Type: G = Glass P = Poly
Preservative Codes: 1 = HCL 4 = NaOH 2 = HNO_3 5 = BAC 3 = H_2SO_4 6 = Na_3PO_4

MS/MSD _____ Blind Dup _____ Blind Dup Name _____ TB _____

GROUND-WATER/SURFACE WATER SAMPLING FORM

Project Location: TFS Rochester | Surface Water ☐ | Groundwater ☑ | Sample ID: ~~ATR-MW~~ OW1(39)
Project Number: 3359-15-1040 | (Use: Well name)
Sampling Personnel: R. Dornbusch | Date: 12/14/2020 | Start Time: 1600 | Weather: Sunny 28°F

MEASUREMENT SUMMARY:
Measuring Point: TOC | Depth to Water: 21.48 | Depth to Product: ____ | Product Thickness: ____
Total Casing Depth: 38.65 | Well Diameter: 2" | Approx. Pump Depth: 35 Feet
Screen Interval: top ____ bottom ____ Feet

SAMPLING SUMMARY:
Sampling Method: Grab ☐ | Composite ☐ | Grundfos ☐ | Bladder Pump ☑ #1448 | Peristaltic Pump ☐ | Bailer ☐
Pump Started: 1605 | Pump Stopped: 1635 | Total Gallons: 7.5

Time (24-hr)	pH (S.U.)	SC (mS/cm)	Temp (°C)	Turb. (NTU)	Flow Rate (ml/min)	DTW (ft)	Drawdown (ft)	DO (mg/L)	ORP (mV)	L
1610	7.45	0.687	12.85	2.72	300	21.48	0	0.63	-159.2	1.5
1615	7.47	0.658	12.86	2.88	300	21.48	0	0.48	-162.7	3.0
1620	7.47	0.644	13.00	2.44	300	21.48	0	0.46	-164.0	4.5
1625	7.47	0.638	12.98	2.15	300	21.48	0	0.44	-165.0	6.0
1630	7.47	0.635	13.00	1.92	300	21.48	0	0.44	-165.5	7.5
Stabilization Criteria:		±3%	±3%	±10				±10%	±10	

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP
1630	7.47	0.635	13.00	1.92	300	21.48	0	0.44	-165.5

Comments: ____

Calibration: pH Calibration Buffers: 4 ☑ 7 ☑ 10 ☑ | ORP Calibration: 229 mV
SC Reference Solution: 1.413 mS/cm | Turbidity Cal. Solution: 0/12.6 NTUs

Sample Name: ATR-~~MW~~ OW1(39)-G121420 | Time: 1632

Analyses (check)	Bottle #/Type	Preservative		Bottle #/Type	Preservative
VOCs ☒	3 G	1	Dissolved Gasses ☐		
TOC + NO_3 ☐			VFA ☐		
Fe/Mn ☐			DHC ☐		
			Alkalinity + Anions (Cl-, SO_4) ☐		
Other: ____ ☐			Other: ____ ☐		

Bottle Type: G = Glass, P = Poly
Preservative Codes: 1 = HCL, 4 = NaOH, 2 = HNO_3, 5 = BAC, 3 = H_2SO_4, 6 = Na_3PO_4

MS/MSD ____ | Blind Dup ____ | Blind Dup Name ____ | TB ____

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GROUNDWATER/SURFACE WATER SAMPLING FORM

GROUND-WATER/SURFACE WATER SAMPLING FORM

Project Location: TFS Rochester | Surface Water ☐ | Groundwater ☑ | Sample ID: ATR-MW-OW2(53)
Project Number: 3359-15-1040 | (Use: Well name)
Sampling Personnel: R. Deutsch | Date: 12/15/20 | Start Time: 1101 | Weather: P. Cloudy, 21°F

MEASUREMENT SUMMARY:
Measuring Point: TOC | Depth to Water: 21.88 | Depth to Product: — | Product Thickness: —
Total Casing Depth: 52.62 | Well Diameter: 2" | Approx. Pump Depth: 48 Feet
Screen Interval: top ____ bottom ____ Feet

SAMPLING SUMMARY:
Sampling Method: Grab ☐ | Composite ☐ | Grundfos ☐ | Bladder Pump ☑ #1448 | Peristaltic Pump ☐ | Bailer ☐
Pump Started: 1105 | Pump Stopped: 1141 | Total ~~Gallons~~ L: 9.0

Time (24-hr)	pH (S.U.)	SC (mS/cm)	Temp (°C)	Turb. (NTU)	Flow Rate (ml/min)	DTW (ft)	Drawdown (ft)	DO (mg/L)	ORP (mV)	L
1110	7.14	0.608	12.55	18.21	300	21.88	Ø	0.85	-127.5	1.5
1115	7.16	0.611	12.57	31.69	300	21.88	Ø	0.58	-140.0	3.0
1120	7.15	0.610	12.70	16.15	300	21.88	Ø	0.58	-141.9	4.5
1125	7.15	0.608	12.66	12.01	300	21.88	Ø	0.58	-142.1	6.0
1130	7.15	0.607	12.61	9.88	300	21.88	Ø	0.57	-142.7	7.5
1135	7.15	0.608	12.69	8.71	300	21.88	Ø	0.56	-142.9	9.0
Stabilization Criteria:		±3%	±3%	±10				±10%	±10	

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP
1135	7.15	0.608	12.69	8.71	300	21.88	Ø	0.56	-142.9

Comments: ____

Calibration: pH Calibration Buffers: 4 ☑ 7 ☑ 10 ☑ | ORP Calibration 229 mV
SC Reference Solution 1.413 mS/cm | Turbidity Cal. Solution Ø/126 NTUs

Sample Name: ATR-MW-OW2(53)-G121520 | Time: 1137

Analyses (check)	Bottle #/Type	Preservative		Bottle #/Type	Preservative
VOCs ☑	3 G	1	Dissolved Gasses ☐		
TOC + NO_3 ☐			VFA ☐		
Fe/Mn ☐			DHC ☐		
			Alkalinity + Anions (Cl-, SO_4) ☐		
Other: ☐			Other: ☐		

Bottle Type: G = Glass, P = Poly
Preservative Codes: 1 = HCL, 4 = NaOH, 2 = HNO_3, 5 = BAC, 3 = H_2SO_4, 6 = Na_3PO_4

MS/MSD: ATR-OW2(53)-G121520 | Blind Dup: ____ | Blind Dup Name: ____ | TB: ____

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GROUNDWATER/SURFACE WATER SAMPLING FORM

GROUND-WATER/SURFACE WATER SAMPLING FORM

Project Location: TFS Rochester | Surface Water ☐ | Groundwater ☑ | Sample ID: ATR-~~MW~~OW2(33) (Use: Well name)
Project Number: 3359-15-1040
Sampling Personnel: R. Dorbuck | Date: 12/15/20 | Start Time: 1014 | Weather: P.Cloudy 21°F

MEASUREMENT SUMMARY:
Measuring Point: TOC | Depth to Water: 21.95 | Depth to Product: – | Product Thickness: –
Total Casing Depth: 32.67 | Well Diameter: 2" | Approx. Pump Depth: 28 Feet
Screen Interval: top ____ bottom ____ Feet

SAMPLING SUMMARY:
Sampling Method: Grab ☐ Composite ☐ Grundfos ☐ Bladder Pump ☑ #1448 Peristaltic Pump ☐ Bailer ☐
Pump Started: 1020 | Pump Stopped: 1055 | Total ~~Gallons~~ L: 9.0

Time (24-hr)	pH (S.U.)	SC (mS/cm)	Temp (°C)	Turb. (NTU)	Flow Rate (ml/min)	DTW (ft)	Drawdown (ft)	DO (mg/L)	ORP (mV)	L
1025	6.83	0.925	12.93	11.10	300	21.95	Ø	0.84	-114.5	1.5
1030	6.79	0.951	13.04	26.57	300	21.95	Ø	0.50	-125.5	3.0
1035	6.84	0.855	13.36	21.12	300	21.95	Ø	0.42	-130.9	4.5
1040	6.87	0.799	13.32	13.77	300	21.95	Ø	0.40	-133.5	6.0
1045	6.90	0.765	13.27	9.70	300	21.95	Ø	0.41	-134.7	7.5
1050	6.91	0.747	13.33	8.17	300	21.95	Ø	0.41	-135.2	9.0
Stabilization Criteria:	±3%	±3%	±10					±10%	±10	

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP
1050	6.91	0.747	13.33	8.17	300	21.95	Ø	0.41	-135.2

Comments: ____

Calibration: pH Calibration Buffers: 4 ☑ 7 ☑ 10 ☑ | ORP Calibration 229 mV
SC Reference Solution 1.413 mS/cm | Turbidity Cal. Solution Ø/126 NTUs

Sample Name: ATR-~~MW~~OW2(33)-G121520 | Time: 1052

Analyses (check)	Bottle #/Type	Preservative		Bottle #/Type	Preservative
VOCs ☑	3 G	1	Dissolved Gasses ☐		
TOC + NO_3 ☐			VFA ☐		
Fe/Mn ☐			DHC ☐		
			Alkalinity + Anions (Cl-, SO4) ☐		
Other: ☐			Other: ☐		

Bottle Type: G = Glass, P = Poly
Preservative Codes: 1 = HCL, 4 = NaOH, 2 = HNO_3, 5 = BAC, 3 = H_2SO_4, 6 = Na_3PO_4

MS/MSD ____ Blind Dup ____ Blind Dup Name ____ TB ____

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GROUNDWATER/SURFACE WATER SAMPLING FORM

GROUND-WATER/SURFACE WATER SAMPLING FORM

Project Location: TFS Rochester | Surface Water ☐ | Groundwater ☑ | Sample ID: ATR-MW-CW6(38) (Use: Well name)
Project Number: 3359-15-1040
Sampling Personnel: F. Dumbris | Date: 12/14/2020 | Start Time: 1340 | Weather: Overcast 28°F

MEASUREMENT SUMMARY:
Measuring Point: TOC | Depth to Water: 9.63 | Depth to Product: - | Product Thickness: -
Total Casing Depth: 37.62 | Well Diameter: 2" | Approx. Pump Depth: 33 Feet
Screen Interval: top ____ bottom ____ Feet

SAMPLING SUMMARY:
Sampling Method: Grab ☐ | Composite ☐ | Grundfos ☐ | Bladder Pump ☑ #1448 | Peristaltic Pump ☐ | Bailer ☐
Pump Started: 1345 | Pump Stopped: 1415 | Total Gallons: 7.5

Time (24-hr)	pH (S.U.)	SC (mS/cm)	Temp (°C)	Turb. (NTU)	Flow Rate (ml/min)	DTW (ft)	Drawdown (ft)	DO (mg/L)	ORP (mV)	L
1350	7.34	0.712	10.69	2.85	300	9.63	Ø	1.89	-128.5	1.5
1355	7.31	0.737	11.02	2.43	300	9.63	Ø	0.78	-138.3	3.0
1400	7.30	0.740	10.95	2.73	300	9.63	Ø	0.67	-140.2	4.5
1405	7.30	0.742	10.90	2.66	300	9.63	Ø	0.64	-141.2	6.0
1410	7.30	0.743	10.95	2.45	300	9.63	Ø	0.62	-142.4	7.5
Stabilization Criteria:	±3%	±3%	±10					±10%	±10	

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP
1410	7.30	0.743	10.95	2.45	300	9.63	Ø	0.62	-142.4

Comments: ____

Calibration: pH Calibration Buffers: 4 ☑ 7 ☑ 10 ☑ | ORP Calibration 229 mV
SC Reference Solution 1.413 mS/cm | Turbidity Cal. Solution Ø / 126 NTUs

Sample Name: ATR-MW-CW6(38)-G121420 | Time: 1413

Analyses (check)	Bottle #/Type	Preservative		Bottle #/Type	Preservative
VOCs ☑	3 G	1	Dissolved Gasses ☐		
TOC + NO_3 ☐			VFA ☐		
Fe/Mn ☐			DHC ☐		
			Alkalinity + Anions (Cl-, SO4) ☐		
Other: ____ ☐			Other: ____ ☐		

Bottle Type: G = Glass, P = Poly
Preservative Codes: 1 = HCL, 4 = NaOH, 2 = HNO_3, 5 = BAC, 3 = H_2SO_4, 6 = Na_3PO_4

MS/MSD ____ | Blind Dup ____ | Blind Dup Name ____ | TB ____

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GROUNDWATER/SURFACE WATER SAMPLING FORM

GROUND-WATER/SURFACE WATER SAMPLING FORM

Project Location: TFS Rochester | Surface Water ☐ | Groundwater ☒ | Sample ID: ATR-MW006(63) (Use: Well name)
Project Number: 3359-15-1040
Sampling Personnel: R. Dornbusch | Date: 12/14/20 | Start Time: 1425 | Weather: _____

MEASUREMENT SUMMARY:
Measuring Point: TOC | Depth to Water: 9.01 | Depth to Product: -- | Product Thickness: --
Total Casing Depth: 62.6 | Well Diameter: 2" | Approx. Pump Depth: 54 Feet
Screen Interval: top _____ bottom _____ Feet

SAMPLING SUMMARY:
Sampling Method: Grab ☐ Composite ☐ Grundfos ☐ Bladder Pump ☒ #1448 Peristaltic Pump ☐ Bailer ☐
Pump Started: 1430 | Pump Stopped: 1504 | Total Gallons: 6 L

Time (24-hr)	pH (S.U.)	SC (mS/cm)	Temp (°C)	Turb. (NTU)	Flow Rate (ml/min)	DTW (ft)	Drawdown (ft)	DO (mg/L)	ORP (mV)	
1435	7.32	0.789	9.37	35.15	200	9.01	0	0.79	-140.3	1
1440	7.31	0.800	9.37	50.08	200	9.01	0	0.77	-147.8	2
1445	7.31	0.800	8.99	18.22	200	9.01	0	0.67	-150.1	3
1450	7.31	0.805	8.87	8.06	200	9.01	0	0.66	-151.5	4
1455	7.30	0.804	8.61	8.10	200	9.01	0	0.62	-150.3	5
1500	7.30	0.801	8.91	8.08	200	9.01	0	0.60	-151.2	6
										7
Stabilization Criteria:		±3%	±3%	±10				±10%	±10	

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP
1500	7.30	0.801	8.91	8.08	200	9.01	0	0.60	-151.3

Comments: _____

Calibration: pH Calibration Buffers: 4 ☒ 7 ☒ 10 ☒ | ORP Calibration 229 mV
SC Reference Solution 1.413 mS/cm | Turbidity Cal. Solution 9/126 NTUs

Sample Name: ATR-MW006(63)-G121420 | Time: 1502

Analyses (check)	Bottle #/Type	Preservative		Bottle #/Type	Preservative
VOCs ☒	3 G	1	Dissolved Gasses ☐		
TOC + NO_3 ☐			VFA ☐		
Fe/Mn ☐			DHC ☐		
			Alkalinity + Anions (Cl-, SO_4) ☐		
Other: ☐			Other: ☐		

Bottle Type: G = Glass, P = Poly
Preservative Codes: 1 = HCL, 4 = NaOH, 2 = HNO_3, 5 = BAC, 3 = H_2SO_4, 6 = Na_3PO_4

MS/MSD _____ Blind Dup _____ Blind Dup Name _____ TB _____

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GROUNDWATER/SURFACE WATER SAMPLING FORM

GROUND-WATER/SURFACE WATER SAMPLING FORM

Project Location TFS Rochester Surface Water ☐ Groundwater ☑ Sample ID ATR-~~MW~~ EB001-G121420
Project Number 3359-15-1040 (Use: Well name)
Sampling Personnel R. Dornbusch Date 12/14/2020 Start Time _____ Weather _____

MEASUREMENT SUMMARY:
Measuring Point _____ Depth to Water _____ Depth to Product _____ Product Thickness _____
Total Casing Depth _____ Well Diameter _____ Approx. Pump Depth _____ Feet
Screen Interval top _____ bottom _____ Feet

SAMPLING SUMMARY: #1448
Sampling Method: Grab ☐ Composite ☐ Grundfos ☐ Bladder Pump ☑ Peristaltic Pump ☐ Bailer ☐
Pump Started _____ Pump Stopped _____ Total Gallons _____

Time (24-hr)	pH (S.U.)	SC (mS/cm)	Temp (°C)	Turb. (NTU)	Flow Rate (ml/min)	DTW (ft)	Drawdown (ft)	DO (mg/L)	ORP (mV)
Stabilization Criteria:		±3%	±3%	±10				±10%	±10

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP

Comments: Equipment Blank ATR-EB001-G121420 After decon from MW27(18) and Beth BR6(38)

Calibration: pH Calibration Buffers: 4 ☐ 7 ☐ 10 ☐ ORP Calibration _____ mV
SC Reference Solution _____ mS/cm Turbidity Cal. Solution _____ NTUs

Sample Name ATR-~~MW~~-EB001-G121420 Time 1334

Analyses (check)	Bottle #/Type	Preservative		Bottle #/Type	Preservative
VOCs ☑	3 G	1	Dissolved Gasses ☐		
TOC + NO_3 ☐			VFA ☐		
Fe/Mn ☐			DHC ☐		
			Alkalinity + Anions (Cl-, SO4) ☐		
Other: ☐			Other: ☐		

Bottle Type: G = Glass, P = Poly
Preservative Codes: 1 = HCL, 4 = NaOH, 2 = HNO_3, 5 = BAC, 3 = H_2SO_4, 6 = Na_3PO_4

MS/MSD _____ Blind Dup _____ Blind Dup Name _____ TB _____

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GROUNDWATER/SURFACE WATER SAMPLING FORM

GROUND-WATER/SURFACE WATER SAMPLING FORM

Project Location TFS Rochester Surface Water ☐ Groundwater ☑ Sample ID ATR-MW Equipment Blank
Project Number 3359-15-1040 (Use: Well name)
Sampling Personnel R. Barraback Date 12/15/20 Start Time 1151 Weather _____

MEASUREMENT SUMMARY:
Measuring Point _____ Depth to Water _____ Depth to Product _____ Product Thickness _____
Total Casing Depth _____ Well Diameter _____ Approx. Pump Depth _____ Feet
Screen Interval top _____ bottom _____ Feet

SAMPLING SUMMARY:
Sampling Method: Grab ☐ Composite ☐ Grundfos ☐ Bladder Pump ☐ Peristaltic Pump ☐ Bailer ☐
Pump Started _____ Pump Stopped _____ Total Gallons _____

Time (24-hr)	pH (S.U.)	SC (mS/cm)	Temp (°C)	Turb. (NTU)	Flow Rate (ml/min)	DTW (ft)	Drawdown (ft)	DO (mg/L)	ORP (mV)
Stabilization Criteria:		±3%	±3%	±10				±10%	±10

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP

Comments: Equipment Blank ATR-EB001-G121520 was collected after ATR-MW2(53) and before ATR-MW6L

Calibration: pH Calibration Buffers: 4 ☐ 7 ☐ 10 ☐ ORP Calibration _____ mV
SC Reference Solution _____ mS/cm Turbidity Cal. Solution _____ NTUs

Sample Name ATR-MW EB001-G121520 Time 1155

Analyses (check)	Bottle #/Type	Preservative		Bottle #/Type	Preservative
VOCs ☐			Dissolved Gasses ☐		
TOC + NO_3 ☐			VFA ☐		
Fe/Mn ☐			DHC ☐		
			Alkalinity + Anions (Cl-, SO4) ☐		
Other: _____ ☐			Other: _____ ☐		

Bottle Type:
G = Glass
P = Poly

Preservative Codes:
1 = HCL 4 = NaOH
2 = HNO_3 5 = BAC
3 = H_2SO_4 6 = Na_3PO_4

MS/MSD _____ Blind Dup _____ Blind Dup Name _____ TB _____

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GROUNDWATER/SURFACE WATER SAMPLING FORM

GROUND-WATER/SURFACE WATER SAMPLING FORM

Project Location TFS Rochester Surface Water ☐ Groundwater ☑ Sample ID ATR-~~MW~~ Field Blank
Project Number 3359-15-1040 (Use: Well name)
Sampling Personnel R. Dunford Date 12/14/20 Start Time _____ Weather _____

MEASUREMENT SUMMARY:
Measuring Point _____ Depth to Water _____ Depth to Product _____ Product Thickness _____
Total Casing Depth _____ Well Diameter _____ Approx. Pump Depth _____ Feet
Screen Interval top _____ bottom _____ Feet

SAMPLING SUMMARY:
Sampling Method: Grab ☐ Composite ☐ Grundfos ☐ Bladder Pump ☐ Peristaltic Pump ☐ Bailer ☐

Pump Started _____ Pump Stopped _____ Total Gallons _____

Time (24-hr)	pH (S.U.)	SC (mS/cm)	Temp (°C)	Turb. (NTU)	Flow Rate (ml/min)	DTW (ft)	Drawdown (ft)	DO (mg/L)	ORP (mV)
Stabilization Criteria:		±3%	±3%	±10				±10%	±10

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP

Comments: Field Blank was collected at the field office

Calibration: pH Calibration Buffers: 4 ☐ 7 ☐ 10 ☐ ORP Calibration _____ mV
SC Reference Solution _____ mS/cm Turbidity Cal. Solution _____ NTUs

Sample Name ATR-~~MW~~-FB001-G121420 Time 1655

Analyses (check)	Bottle #/Type	Preservative		Bottle #/Type	Preservative
VOCs ☐	3 G	1	Dissolved Gasses ☐		
TOC + NO_3 ☐			VFA ☐		
Fe/Mn ☐			DHC ☐		
			Alkalinity + Anions (Cl-, SO4) ☐		
Other: ☐			Other: ☐		

Bottle Type:
G = Glass
P = Poly

Preservative Codes:
1 = HCL 4 = NaOH
2 = HNO_3 5 = BAC
3 = H_2SO_4 6 = Na_3PO_4

MS/MSD _____ Blind Dup _____ Blind Dup Name _____ TB _____

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GROUNDWATER/SURFACE WATER SAMPLING FORM

APPENDIX B

LABORATORY REPORTS AND DATA VALIDATION REPORT

29-Dec-2020

Paul Stork
Wood Environment & Infrastructure Solutions, Inc.
521 Byers Road, Suite 204
Miamisburg, OH 45342

Re: **TFS Rochester (3354 15 1040)** Work Order: **20121650**

Dear Paul,

ALS Environmental received 17 samples on 17-Dec-2020 12:00 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 46.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

Ehrland Bosworth

Electronically approved by: Ehrland Bosworth

Ehrland Bosworth
Project Manager

Report of Laboratory Analysis

Certificate No: MN 026-999-449

ALS Group, USA

Date: 29-Dec-20

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040)
Work Order: **20121650**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
20121650-01	Trip Blank	Groundwater		12/14/2020	12/17/2020 12:00	☐
20121650-02	ATR-MW27(18)-G121420	Groundwater		12/14/2020 13:23	12/17/2020 12:00	☐
20121650-03	ATR-EB001-G121420	Groundwater		12/14/2020 13:34	12/17/2020 12:00	☐
20121650-04	ATR-OW6(38)-G121420	Groundwater		12/14/2020 14:13	12/17/2020 12:00	☐
20121650-05	ATR-OW6(63)-G121420	Groundwater		12/14/2020 15:02	12/17/2020 12:00	☐
20121650-06	ATR-MW14-G121420	Groundwater		12/14/2020 15:47	12/17/2020 12:00	☐
20121650-07	ATR-OW1(39)-G121420	Groundwater		12/14/2020 16:32	12/17/2020 12:00	☐
20121650-08	ATR-FB001-G121420	Groundwater		12/14/2020 16:55	12/17/2020 12:00	☐
20121650-09	ATR-MW26(17)-G121520	Groundwater		12/15/2020 08:32	12/17/2020 12:00	☐
20121650-10	ATR-MW26(28.8)-G121520	Groundwater		12/15/2020 09:22	12/17/2020 12:00	☐
20121650-11	ATR-MW26(58.2)-G121520	Groundwater		12/15/2020 10:02	12/17/2020 12:00	☐
20121650-12	ATR-OW2(33)-G121520	Groundwater		12/15/2020 10:52	12/17/2020 12:00	☐
20121650-13	ATR-OW2(53)-G121520	Groundwater		12/15/2020 11:37	12/17/2020 12:00	☐
20121650-14	ATR-EB001-G121520	Groundwater		12/15/2020 11:55	12/17/2020 12:00	☐
20121650-15	ATR-MW6C-G121520	Groundwater		12/15/2020 12:32	12/17/2020 12:00	☐
20121650-16	ATR-MW17-G121520	Groundwater		12/15/2020 13:23	12/17/2020 12:00	☐
20121650-17	ATR-MW17-G121520R	Groundwater		12/15/2020 13:23	12/17/2020 12:00	☐

ALS Group, USA

Date: 29-Dec-20

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040)
WorkOrder: **20121650**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
**	Estimated Value
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
J	Analyte is present at an estimated concentration between the MDL and Report Limit
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

Units Reported	Description
µg/L	Micrograms per Liter

Client: Wood Environment & Infrastructure Solutions, Inc
Project: TFS Rochester (3354 15 1040)
Work Order: 20121650

Case Narrative

Samples for the above noted Work Order were received on 12/17/2020. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, preservation, and temperature compliance.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting. A copy of the laboratory's scope of accreditation is available upon request.

With the following exceptions, all sample analyses achieved analytical criteria.

Volatile Organics:
Batch R306736a, Method SW8260C, Sample VLCSW1-201224: The LCS recovery was above the upper control limit. All the sample results in the batch were non-detect. No qualification is necessary for this analyte: Chloroethane

Batch R306736a, Method SW8260C, Sample 20121650-13A MS: The MS recovery was above the upper control limit. The corresponding result in the parent sample was non-detect, therefore no qualification is necessary: Bromomethane, Chloroethane

Batch R306736a, Method SW8260C, Sample 20121650-13A MSD: The MSD recovery was above the upper control limit. The corresponding result in the parent sample was non-detect, therefore no qualification is necessary: Bromomethane, Chloroethane

No other deviations or anomalies were noted.

ALS Group, USA

Date: *29-Dec-20*

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: Trip Blank **Lab ID:** 20121650-01
Collection Date: 12/14/2020 **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **MF**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 04:23 PM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	12/24/2020 04:23 PM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 04:23 PM
1,1-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 04:23 PM
1,1-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 04:23 PM
1,2-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 04:23 PM
1,2-Dichloropropane	ND		1.0	µg/L	1	12/24/2020 04:23 PM
2-Butanone	ND		5.0	µg/L	1	12/24/2020 04:23 PM
2-Hexanone	ND		5.0	µg/L	1	12/24/2020 04:23 PM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	12/24/2020 04:23 PM
Acetone	ND		10	µg/L	1	12/24/2020 04:23 PM
Benzene	ND		1.0	µg/L	1	12/24/2020 04:23 PM
Bromodichloromethane	ND		1.0	µg/L	1	12/24/2020 04:23 PM
Bromoform	ND		1.0	µg/L	1	12/24/2020 04:23 PM
Bromomethane	ND		1.0	µg/L	1	12/24/2020 04:23 PM
Carbon disulfide	ND		1.0	µg/L	1	12/24/2020 04:23 PM
Carbon tetrachloride	ND		1.0	µg/L	1	12/24/2020 04:23 PM
Chlorobenzene	ND		1.0	µg/L	1	12/24/2020 04:23 PM
Chloroethane	ND		1.0	µg/L	1	12/24/2020 04:23 PM
Chloroform	ND		1.0	µg/L	1	12/24/2020 04:23 PM
Chloromethane	ND		1.0	µg/L	1	12/24/2020 04:23 PM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 04:23 PM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 04:23 PM
Dibromochloromethane	ND		1.0	µg/L	1	12/24/2020 04:23 PM
Ethylbenzene	ND		1.0	µg/L	1	12/24/2020 04:23 PM
m,p-Xylene	ND		2.0	µg/L	1	12/24/2020 04:23 PM
Methylene chloride	ND		5.0	µg/L	1	12/24/2020 04:23 PM
o-Xylene	ND		1.0	µg/L	1	12/24/2020 04:23 PM
Styrene	ND		1.0	µg/L	1	12/24/2020 04:23 PM
Tetrachloroethene	ND		1.0	µg/L	1	12/24/2020 04:23 PM
Toluene	ND		1.0	µg/L	1	12/24/2020 04:23 PM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 04:23 PM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 04:23 PM
Trichloroethene	ND		1.0	µg/L	1	12/24/2020 04:23 PM
Vinyl chloride	ND		1.0	µg/L	1	12/24/2020 04:23 PM
Xylenes, Total	ND		3.0	µg/L	1	12/24/2020 04:23 PM
Surr: 1,2-Dichloroethane-d4	*103*		*75-120*	*%REC*	1	12/24/2020 04:23 PM
Surr: 4-Bromofluorobenzene	*99.4*		*80-110*	*%REC*	1	12/24/2020 04:23 PM
Surr: Dibromofluoromethane	*101*		*85-115*	*%REC*	1	12/24/2020 04:23 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: Trip Blank **Lab ID:** 20121650-01
Collection Date: 12/14/2020 **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*101*		*85-110*	*%REC*	1	12/24/2020 04:23 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-MW27(18)-G121420 **Lab ID:** 20121650-02
Collection Date: 12/14/2020 01:23 PM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **MF**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 05:28 PM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	12/24/2020 05:28 PM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 05:28 PM
1,1-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 05:28 PM
1,1-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 05:28 PM
1,2-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 05:28 PM
1,2-Dichloropropane	ND		1.0	µg/L	1	12/24/2020 05:28 PM
2-Butanone	ND		5.0	µg/L	1	12/24/2020 05:28 PM
2-Hexanone	ND		5.0	µg/L	1	12/24/2020 05:28 PM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	12/24/2020 05:28 PM
Acetone	ND		10	µg/L	1	12/24/2020 05:28 PM
Benzene	ND		1.0	µg/L	1	12/24/2020 05:28 PM
Bromodichloromethane	ND		1.0	µg/L	1	12/24/2020 05:28 PM
Bromoform	ND		1.0	µg/L	1	12/24/2020 05:28 PM
Bromomethane	ND		1.0	µg/L	1	12/24/2020 05:28 PM
Carbon disulfide	ND		1.0	µg/L	1	12/24/2020 05:28 PM
Carbon tetrachloride	ND		1.0	µg/L	1	12/24/2020 05:28 PM
Chlorobenzene	ND		1.0	µg/L	1	12/24/2020 05:28 PM
Chloroethane	ND		1.0	µg/L	1	12/24/2020 05:28 PM
Chloroform	ND		1.0	µg/L	1	12/24/2020 05:28 PM
Chloromethane	ND		1.0	µg/L	1	12/24/2020 05:28 PM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 05:28 PM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 05:28 PM
Dibromochloromethane	ND		1.0	µg/L	1	12/24/2020 05:28 PM
Ethylbenzene	ND		1.0	µg/L	1	12/24/2020 05:28 PM
m,p-Xylene	ND		2.0	µg/L	1	12/24/2020 05:28 PM
Methylene chloride	ND		5.0	µg/L	1	12/24/2020 05:28 PM
o-Xylene	ND		1.0	µg/L	1	12/24/2020 05:28 PM
Styrene	ND		1.0	µg/L	1	12/24/2020 05:28 PM
Tetrachloroethene	ND		1.0	µg/L	1	12/24/2020 05:28 PM
Toluene	ND		1.0	µg/L	1	12/24/2020 05:28 PM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 05:28 PM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 05:28 PM
Trichloroethene	ND		1.0	µg/L	1	12/24/2020 05:28 PM
Vinyl chloride	ND		1.0	µg/L	1	12/24/2020 05:28 PM
Xylenes, Total	ND		3.0	µg/L	1	12/24/2020 05:28 PM
Surr: 1,2-Dichloroethane-d4	*110*		*75-120*	*%REC*	1	12/24/2020 05:28 PM
Surr: 4-Bromofluorobenzene	*101*		*80-110*	*%REC*	1	12/24/2020 05:28 PM
Surr: Dibromofluoromethane	*104*		*85-115*	*%REC*	1	12/24/2020 05:28 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-MW27(18)-G121420 **Lab ID:** 20121650-02
Collection Date: 12/14/2020 01:23 PM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*102*		*85-110*	*%REC*	1	12/24/2020 05:28 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-EB001-G121420 **Lab ID:** 20121650-03
Collection Date: 12/14/2020 01:34 PM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **MF**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 04:40 PM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	12/24/2020 04:40 PM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 04:40 PM
1,1-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 04:40 PM
1,1-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 04:40 PM
1,2-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 04:40 PM
1,2-Dichloropropane	ND		1.0	µg/L	1	12/24/2020 04:40 PM
2-Butanone	ND		5.0	µg/L	1	12/24/2020 04:40 PM
2-Hexanone	ND		5.0	µg/L	1	12/24/2020 04:40 PM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	12/24/2020 04:40 PM
Acetone	ND		10	µg/L	1	12/24/2020 04:40 PM
Benzene	ND		1.0	µg/L	1	12/24/2020 04:40 PM
Bromodichloromethane	ND		1.0	µg/L	1	12/24/2020 04:40 PM
Bromoform	ND		1.0	µg/L	1	12/24/2020 04:40 PM
Bromomethane	ND		1.0	µg/L	1	12/24/2020 04:40 PM
Carbon disulfide	ND		1.0	µg/L	1	12/24/2020 04:40 PM
Carbon tetrachloride	ND		1.0	µg/L	1	12/24/2020 04:40 PM
Chlorobenzene	ND		1.0	µg/L	1	12/24/2020 04:40 PM
Chloroethane	ND		1.0	µg/L	1	12/24/2020 04:40 PM
Chloroform	ND		1.0	µg/L	1	12/24/2020 04:40 PM
Chloromethane	ND		1.0	µg/L	1	12/24/2020 04:40 PM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 04:40 PM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 04:40 PM
Dibromochloromethane	ND		1.0	µg/L	1	12/24/2020 04:40 PM
Ethylbenzene	ND		1.0	µg/L	1	12/24/2020 04:40 PM
m,p-Xylene	ND		2.0	µg/L	1	12/24/2020 04:40 PM
Methylene chloride	ND		5.0	µg/L	1	12/24/2020 04:40 PM
o-Xylene	ND		1.0	µg/L	1	12/24/2020 04:40 PM
Styrene	ND		1.0	µg/L	1	12/24/2020 04:40 PM
Tetrachloroethene	ND		1.0	µg/L	1	12/24/2020 04:40 PM
Toluene	ND		1.0	µg/L	1	12/24/2020 04:40 PM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 04:40 PM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 04:40 PM
Trichloroethene	ND		1.0	µg/L	1	12/24/2020 04:40 PM
Vinyl chloride	ND		1.0	µg/L	1	12/24/2020 04:40 PM
Xylenes, Total	ND		3.0	µg/L	1	12/24/2020 04:40 PM
Surr: 1,2-Dichloroethane-d4	*105*		*75-120*	*%REC*	1	12/24/2020 04:40 PM
Surr: 4-Bromofluorobenzene	*100*		*80-110*	*%REC*	1	12/24/2020 04:40 PM
Surr: Dibromofluoromethane	*105*		*85-115*	*%REC*	1	12/24/2020 04:40 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-EB001-G121420 **Lab ID:** 20121650-03
Collection Date: 12/14/2020 01:34 PM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*101*		*85-110*	*%REC*	1	12/24/2020 04:40 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-OW6(38)-G121420 **Lab ID:** 20121650-04
Collection Date: 12/14/2020 02:13 PM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **MF**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 05:45 PM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	12/24/2020 05:45 PM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 05:45 PM
1,1-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 05:45 PM
1,1-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 05:45 PM
1,2-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 05:45 PM
1,2-Dichloropropane	ND		1.0	µg/L	1	12/24/2020 05:45 PM
2-Butanone	ND		5.0	µg/L	1	12/24/2020 05:45 PM
2-Hexanone	ND		5.0	µg/L	1	12/24/2020 05:45 PM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	12/24/2020 05:45 PM
Acetone	ND		10	µg/L	1	12/24/2020 05:45 PM
Benzene	ND		1.0	µg/L	1	12/24/2020 05:45 PM
Bromodichloromethane	ND		1.0	µg/L	1	12/24/2020 05:45 PM
Bromoform	ND		1.0	µg/L	1	12/24/2020 05:45 PM
Bromomethane	ND		1.0	µg/L	1	12/24/2020 05:45 PM
Carbon disulfide	ND		1.0	µg/L	1	12/24/2020 05:45 PM
Carbon tetrachloride	ND		1.0	µg/L	1	12/24/2020 05:45 PM
Chlorobenzene	ND		1.0	µg/L	1	12/24/2020 05:45 PM
Chloroethane	ND		1.0	µg/L	1	12/24/2020 05:45 PM
Chloroform	ND		1.0	µg/L	1	12/24/2020 05:45 PM
Chloromethane	ND		1.0	µg/L	1	12/24/2020 05:45 PM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 05:45 PM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 05:45 PM
Dibromochloromethane	ND		1.0	µg/L	1	12/24/2020 05:45 PM
Ethylbenzene	ND		1.0	µg/L	1	12/24/2020 05:45 PM
m,p-Xylene	ND		2.0	µg/L	1	12/24/2020 05:45 PM
Methylene chloride	ND		5.0	µg/L	1	12/24/2020 05:45 PM
o-Xylene	ND		1.0	µg/L	1	12/24/2020 05:45 PM
Styrene	ND		1.0	µg/L	1	12/24/2020 05:45 PM
Tetrachloroethene	ND		1.0	µg/L	1	12/24/2020 05:45 PM
Toluene	ND		1.0	µg/L	1	12/24/2020 05:45 PM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 05:45 PM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 05:45 PM
Trichloroethene	ND		1.0	µg/L	1	12/24/2020 05:45 PM
Vinyl chloride	ND		1.0	µg/L	1	12/24/2020 05:45 PM
Xylenes, Total	ND		3.0	µg/L	1	12/24/2020 05:45 PM
Surr: 1,2-Dichloroethane-d4	*104*		*75-120*	*%REC*	1	12/24/2020 05:45 PM
Surr: 4-Bromofluorobenzene	*101*		*80-110*	*%REC*	1	12/24/2020 05:45 PM
Surr: Dibromofluoromethane	*104*		*85-115*	*%REC*	1	12/24/2020 05:45 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-OW6(38)-G121420 **Lab ID:** 20121650-04
Collection Date: 12/14/2020 02:13 PM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*101*		*85-110*	*%REC*	1	12/24/2020 05:45 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-OW6(63)-G121420 **Lab ID:** 20121650-05
Collection Date: 12/14/2020 03:02 PM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **MF**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 06:01 PM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	12/24/2020 06:01 PM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 06:01 PM
1,1-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 06:01 PM
1,1-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 06:01 PM
1,2-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 06:01 PM
1,2-Dichloropropane	ND		1.0	µg/L	1	12/24/2020 06:01 PM
2-Butanone	ND		5.0	µg/L	1	12/24/2020 06:01 PM
2-Hexanone	ND		5.0	µg/L	1	12/24/2020 06:01 PM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	12/24/2020 06:01 PM
Acetone	ND		10	µg/L	1	12/24/2020 06:01 PM
Benzene	ND		1.0	µg/L	1	12/24/2020 06:01 PM
Bromodichloromethane	ND		1.0	µg/L	1	12/24/2020 06:01 PM
Bromoform	ND		1.0	µg/L	1	12/24/2020 06:01 PM
Bromomethane	ND		1.0	µg/L	1	12/24/2020 06:01 PM
Carbon disulfide	ND		1.0	µg/L	1	12/24/2020 06:01 PM
Carbon tetrachloride	ND		1.0	µg/L	1	12/24/2020 06:01 PM
Chlorobenzene	ND		1.0	µg/L	1	12/24/2020 06:01 PM
Chloroethane	ND		1.0	µg/L	1	12/24/2020 06:01 PM
Chloroform	ND		1.0	µg/L	1	12/24/2020 06:01 PM
Chloromethane	ND		1.0	µg/L	1	12/24/2020 06:01 PM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 06:01 PM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 06:01 PM
Dibromochloromethane	ND		1.0	µg/L	1	12/24/2020 06:01 PM
Ethylbenzene	ND		1.0	µg/L	1	12/24/2020 06:01 PM
m,p-Xylene	ND		2.0	µg/L	1	12/24/2020 06:01 PM
Methylene chloride	ND		5.0	µg/L	1	12/24/2020 06:01 PM
o-Xylene	ND		1.0	µg/L	1	12/24/2020 06:01 PM
Styrene	ND		1.0	µg/L	1	12/24/2020 06:01 PM
Tetrachloroethene	ND		1.0	µg/L	1	12/24/2020 06:01 PM
Toluene	ND		1.0	µg/L	1	12/24/2020 06:01 PM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 06:01 PM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 06:01 PM
Trichloroethene	ND		1.0	µg/L	1	12/24/2020 06:01 PM
Vinyl chloride	ND		1.0	µg/L	1	12/24/2020 06:01 PM
Xylenes, Total	ND		3.0	µg/L	1	12/24/2020 06:01 PM
Surr: 1,2-Dichloroethane-d4	*105*		*75-120*	*%REC*	1	12/24/2020 06:01 PM
Surr: 4-Bromofluorobenzene	*101*		*80-110*	*%REC*	1	12/24/2020 06:01 PM
Surr: Dibromofluoromethane	*104*		*85-115*	*%REC*	1	12/24/2020 06:01 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-OW6(63)-G121420 **Lab ID:** 20121650-05
Collection Date: 12/14/2020 03:02 PM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*100*		*85-110*	*%REC*	1	12/24/2020 06:01 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-MW14-G121420 **Lab ID:** 20121650-06
Collection Date: 12/14/2020 03:47 PM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **MF**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 06:17 PM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	12/24/2020 06:17 PM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 06:17 PM
1,1-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 06:17 PM
1,1-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 06:17 PM
1,2-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 06:17 PM
1,2-Dichloropropane	ND		1.0	µg/L	1	12/24/2020 06:17 PM
2-Butanone	ND		5.0	µg/L	1	12/24/2020 06:17 PM
2-Hexanone	ND		5.0	µg/L	1	12/24/2020 06:17 PM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	12/24/2020 06:17 PM
Acetone	ND		10	µg/L	1	12/24/2020 06:17 PM
Benzene	ND		1.0	µg/L	1	12/24/2020 06:17 PM
Bromodichloromethane	ND		1.0	µg/L	1	12/24/2020 06:17 PM
Bromoform	ND		1.0	µg/L	1	12/24/2020 06:17 PM
Bromomethane	ND		1.0	µg/L	1	12/24/2020 06:17 PM
Carbon disulfide	ND		1.0	µg/L	1	12/24/2020 06:17 PM
Carbon tetrachloride	ND		1.0	µg/L	1	12/24/2020 06:17 PM
Chlorobenzene	ND		1.0	µg/L	1	12/24/2020 06:17 PM
Chloroethane	ND		1.0	µg/L	1	12/24/2020 06:17 PM
Chloroform	ND		1.0	µg/L	1	12/24/2020 06:17 PM
Chloromethane	ND		1.0	µg/L	1	12/24/2020 06:17 PM
cis-1,2-Dichloroethene	**1.6**		**1.0**	**µg/L**	1	12/24/2020 06:17 PM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 06:17 PM
Dibromochloromethane	ND		1.0	µg/L	1	12/24/2020 06:17 PM
Ethylbenzene	ND		1.0	µg/L	1	12/24/2020 06:17 PM
m,p-Xylene	ND		2.0	µg/L	1	12/24/2020 06:17 PM
Methylene chloride	ND		5.0	µg/L	1	12/24/2020 06:17 PM
o-Xylene	ND		1.0	µg/L	1	12/24/2020 06:17 PM
Styrene	ND		1.0	µg/L	1	12/24/2020 06:17 PM
Tetrachloroethene	ND		1.0	µg/L	1	12/24/2020 06:17 PM
Toluene	ND		1.0	µg/L	1	12/24/2020 06:17 PM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 06:17 PM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 06:17 PM
Trichloroethene	ND		1.0	µg/L	1	12/24/2020 06:17 PM
Vinyl chloride	**3.7**		**1.0**	**µg/L**	1	12/24/2020 06:17 PM
Xylenes, Total	ND		3.0	µg/L	1	12/24/2020 06:17 PM
Surr: 1,2-Dichloroethane-d4	*101*		*75-120*	*%REC*	1	12/24/2020 06:17 PM
Surr: 4-Bromofluorobenzene	*101*		*80-110*	*%REC*	1	12/24/2020 06:17 PM
Surr: Dibromofluoromethane	*103*		*85-115*	*%REC*	1	12/24/2020 06:17 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-MW14-G121420 **Lab ID:** 20121650-06
Collection Date: 12/14/2020 03:47 PM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*100*		*85-110*	*%REC*	1	12/24/2020 06:17 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-OW1(39)-G121420 **Lab ID:** 20121650-07
Collection Date: 12/14/2020 04:32 PM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **MF**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 06:33 PM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	12/24/2020 06:33 PM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 06:33 PM
1,1-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 06:33 PM
1,1-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 06:33 PM
1,2-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 06:33 PM
1,2-Dichloropropane	ND		1.0	µg/L	1	12/24/2020 06:33 PM
2-Butanone	ND		5.0	µg/L	1	12/24/2020 06:33 PM
2-Hexanone	ND		5.0	µg/L	1	12/24/2020 06:33 PM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	12/24/2020 06:33 PM
Acetone	ND		10	µg/L	1	12/24/2020 06:33 PM
Benzene	ND		1.0	µg/L	1	12/24/2020 06:33 PM
Bromodichloromethane	ND		1.0	µg/L	1	12/24/2020 06:33 PM
Bromoform	ND		1.0	µg/L	1	12/24/2020 06:33 PM
Bromomethane	ND		1.0	µg/L	1	12/24/2020 06:33 PM
Carbon disulfide	ND		1.0	µg/L	1	12/24/2020 06:33 PM
Carbon tetrachloride	ND		1.0	µg/L	1	12/24/2020 06:33 PM
Chlorobenzene	ND		1.0	µg/L	1	12/24/2020 06:33 PM
Chloroethane	ND		1.0	µg/L	1	12/24/2020 06:33 PM
Chloroform	ND		1.0	µg/L	1	12/24/2020 06:33 PM
Chloromethane	ND		1.0	µg/L	1	12/24/2020 06:33 PM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 06:33 PM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 06:33 PM
Dibromochloromethane	ND		1.0	µg/L	1	12/24/2020 06:33 PM
Ethylbenzene	ND		1.0	µg/L	1	12/24/2020 06:33 PM
m,p-Xylene	ND		2.0	µg/L	1	12/24/2020 06:33 PM
Methylene chloride	ND		5.0	µg/L	1	12/24/2020 06:33 PM
o-Xylene	ND		1.0	µg/L	1	12/24/2020 06:33 PM
Styrene	ND		1.0	µg/L	1	12/24/2020 06:33 PM
Tetrachloroethene	ND		1.0	µg/L	1	12/24/2020 06:33 PM
Toluene	ND		1.0	µg/L	1	12/24/2020 06:33 PM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 06:33 PM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 06:33 PM
Trichloroethene	ND		1.0	µg/L	1	12/24/2020 06:33 PM
Vinyl chloride	ND		1.0	µg/L	1	12/24/2020 06:33 PM
Xylenes, Total	ND		3.0	µg/L	1	12/24/2020 06:33 PM
Surr: 1,2-Dichloroethane-d4	*107*		*75-120*	*%REC*	1	12/24/2020 06:33 PM
Surr: 4-Bromofluorobenzene	*97.0*		*80-110*	*%REC*	1	12/24/2020 06:33 PM
Surr: Dibromofluoromethane	*103*		*85-115*	*%REC*	1	12/24/2020 06:33 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-OW1(39)-G121420 **Lab ID:** 20121650-07
Collection Date: 12/14/2020 04:32 PM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*102*		*85-110*	*%REC*	1	12/24/2020 06:33 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-FB001-G121420 **Lab ID:** 20121650-08
Collection Date: 12/14/2020 04:55 PM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **MF**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 06:50 PM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	12/24/2020 06:50 PM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 06:50 PM
1,1-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 06:50 PM
1,1-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 06:50 PM
1,2-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 06:50 PM
1,2-Dichloropropane	ND		1.0	µg/L	1	12/24/2020 06:50 PM
2-Butanone	ND		5.0	µg/L	1	12/24/2020 06:50 PM
2-Hexanone	ND		5.0	µg/L	1	12/24/2020 06:50 PM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	12/24/2020 06:50 PM
Acetone	ND		10	µg/L	1	12/24/2020 06:50 PM
Benzene	ND		1.0	µg/L	1	12/24/2020 06:50 PM
Bromodichloromethane	ND		1.0	µg/L	1	12/24/2020 06:50 PM
Bromoform	ND		1.0	µg/L	1	12/24/2020 06:50 PM
Bromomethane	ND		1.0	µg/L	1	12/24/2020 06:50 PM
Carbon disulfide	ND		1.0	µg/L	1	12/24/2020 06:50 PM
Carbon tetrachloride	ND		1.0	µg/L	1	12/24/2020 06:50 PM
Chlorobenzene	ND		1.0	µg/L	1	12/24/2020 06:50 PM
Chloroethane	ND		1.0	µg/L	1	12/24/2020 06:50 PM
Chloroform	ND		1.0	µg/L	1	12/24/2020 06:50 PM
Chloromethane	ND		1.0	µg/L	1	12/24/2020 06:50 PM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 06:50 PM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 06:50 PM
Dibromochloromethane	ND		1.0	µg/L	1	12/24/2020 06:50 PM
Ethylbenzene	ND		1.0	µg/L	1	12/24/2020 06:50 PM
m,p-Xylene	ND		2.0	µg/L	1	12/24/2020 06:50 PM
Methylene chloride	ND		5.0	µg/L	1	12/24/2020 06:50 PM
o-Xylene	ND		1.0	µg/L	1	12/24/2020 06:50 PM
Styrene	ND		1.0	µg/L	1	12/24/2020 06:50 PM
Tetrachloroethene	ND		1.0	µg/L	1	12/24/2020 06:50 PM
Toluene	ND		1.0	µg/L	1	12/24/2020 06:50 PM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 06:50 PM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 06:50 PM
Trichloroethene	ND		1.0	µg/L	1	12/24/2020 06:50 PM
Vinyl chloride	ND		1.0	µg/L	1	12/24/2020 06:50 PM
Xylenes, Total	ND		3.0	µg/L	1	12/24/2020 06:50 PM
Surr: 1,2-Dichloroethane-d4	*103*		*75-120*	*%REC*	1	12/24/2020 06:50 PM
Surr: 4-Bromofluorobenzene	*99.9*		*80-110*	*%REC*	1	12/24/2020 06:50 PM
Surr: Dibromofluoromethane	*103*		*85-115*	*%REC*	1	12/24/2020 06:50 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-FB001-G121420 **Lab ID:** 20121650-08
Collection Date: 12/14/2020 04:55 PM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*99.7*		*85-110*	*%REC*	1	12/24/2020 06:50 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-MW26(17)-G121520 **Lab ID:** 20121650-09
Collection Date: 12/15/2020 08:32 AM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **MF**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 07:06 PM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	12/24/2020 07:06 PM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 07:06 PM
1,1-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 07:06 PM
1,1-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 07:06 PM
1,2-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 07:06 PM
1,2-Dichloropropane	ND		1.0	µg/L	1	12/24/2020 07:06 PM
2-Butanone	ND		5.0	µg/L	1	12/24/2020 07:06 PM
2-Hexanone	ND		5.0	µg/L	1	12/24/2020 07:06 PM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	12/24/2020 07:06 PM
Acetone	ND		10	µg/L	1	12/24/2020 07:06 PM
Benzene	ND		1.0	µg/L	1	12/24/2020 07:06 PM
Bromodichloromethane	ND		1.0	µg/L	1	12/24/2020 07:06 PM
Bromoform	ND		1.0	µg/L	1	12/24/2020 07:06 PM
Bromomethane	ND		1.0	µg/L	1	12/24/2020 07:06 PM
Carbon disulfide	ND		1.0	µg/L	1	12/24/2020 07:06 PM
Carbon tetrachloride	ND		1.0	µg/L	1	12/24/2020 07:06 PM
Chlorobenzene	ND		1.0	µg/L	1	12/24/2020 07:06 PM
Chloroethane	ND		1.0	µg/L	1	12/24/2020 07:06 PM
Chloroform	ND		1.0	µg/L	1	12/24/2020 07:06 PM
Chloromethane	ND		1.0	µg/L	1	12/24/2020 07:06 PM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 07:06 PM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 07:06 PM
Dibromochloromethane	ND		1.0	µg/L	1	12/24/2020 07:06 PM
Ethylbenzene	ND		1.0	µg/L	1	12/24/2020 07:06 PM
m,p-Xylene	ND		2.0	µg/L	1	12/24/2020 07:06 PM
Methylene chloride	ND		5.0	µg/L	1	12/24/2020 07:06 PM
o-Xylene	ND		1.0	µg/L	1	12/24/2020 07:06 PM
Styrene	ND		1.0	µg/L	1	12/24/2020 07:06 PM
Tetrachloroethene	ND		1.0	µg/L	1	12/24/2020 07:06 PM
Toluene	ND		1.0	µg/L	1	12/24/2020 07:06 PM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 07:06 PM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 07:06 PM
Trichloroethene	ND		1.0	µg/L	1	12/24/2020 07:06 PM
Vinyl chloride	ND		1.0	µg/L	1	12/24/2020 07:06 PM
Xylenes, Total	ND		3.0	µg/L	1	12/24/2020 07:06 PM
Surr: 1,2-Dichloroethane-d4	*102*		*75-120*	*%REC*	1	12/24/2020 07:06 PM
Surr: 4-Bromofluorobenzene	*98.6*		*80-110*	*%REC*	1	12/24/2020 07:06 PM
Surr: Dibromofluoromethane	*102*		*85-115*	*%REC*	1	12/24/2020 07:06 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-MW26(17)-G121520 **Lab ID:** 20121650-09
Collection Date: 12/15/2020 08:32 AM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*99.6*		*85-110*	*%REC*	1	12/24/2020 07:06 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-MW26(28.8)-G121520 **Lab ID:** 20121650-10
Collection Date: 12/15/2020 09:22 AM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **MF**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 07:22 PM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	12/24/2020 07:22 PM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 07:22 PM
1,1-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 07:22 PM
1,1-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 07:22 PM
1,2-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 07:22 PM
1,2-Dichloropropane	ND		1.0	µg/L	1	12/24/2020 07:22 PM
2-Butanone	ND		5.0	µg/L	1	12/24/2020 07:22 PM
2-Hexanone	ND		5.0	µg/L	1	12/24/2020 07:22 PM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	12/24/2020 07:22 PM
Acetone	ND		10	µg/L	1	12/24/2020 07:22 PM
Benzene	ND		1.0	µg/L	1	12/24/2020 07:22 PM
Bromodichloromethane	ND		1.0	µg/L	1	12/24/2020 07:22 PM
Bromoform	ND		1.0	µg/L	1	12/24/2020 07:22 PM
Bromomethane	ND		1.0	µg/L	1	12/24/2020 07:22 PM
Carbon disulfide	ND		1.0	µg/L	1	12/24/2020 07:22 PM
Carbon tetrachloride	ND		1.0	µg/L	1	12/24/2020 07:22 PM
Chlorobenzene	ND		1.0	µg/L	1	12/24/2020 07:22 PM
Chloroethane	ND		1.0	µg/L	1	12/24/2020 07:22 PM
Chloroform	ND		1.0	µg/L	1	12/24/2020 07:22 PM
Chloromethane	ND		1.0	µg/L	1	12/24/2020 07:22 PM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 07:22 PM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 07:22 PM
Dibromochloromethane	ND		1.0	µg/L	1	12/24/2020 07:22 PM
Ethylbenzene	ND		1.0	µg/L	1	12/24/2020 07:22 PM
m,p-Xylene	ND		2.0	µg/L	1	12/24/2020 07:22 PM
Methylene chloride	ND		5.0	µg/L	1	12/24/2020 07:22 PM
o-Xylene	ND		1.0	µg/L	1	12/24/2020 07:22 PM
Styrene	ND		1.0	µg/L	1	12/24/2020 07:22 PM
Tetrachloroethene	ND		1.0	µg/L	1	12/24/2020 07:22 PM
Toluene	ND		1.0	µg/L	1	12/24/2020 07:22 PM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 07:22 PM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 07:22 PM
Trichloroethene	ND		1.0	µg/L	1	12/24/2020 07:22 PM
Vinyl chloride	ND		1.0	µg/L	1	12/24/2020 07:22 PM
Xylenes, Total	ND		3.0	µg/L	1	12/24/2020 07:22 PM
Surr: 1,2-Dichloroethane-d4	*104*		*75-120*	*%REC*	1	12/24/2020 07:22 PM
Surr: 4-Bromofluorobenzene	*102*		*80-110*	*%REC*	1	12/24/2020 07:22 PM
Surr: Dibromofluoromethane	*102*		*85-115*	*%REC*	1	12/24/2020 07:22 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-MW26(28.8)-G121520 **Lab ID:** 20121650-10
Collection Date: 12/15/2020 09:22 AM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*99.8*		*85-110*	*%REC*	1	12/24/2020 07:22 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-MW26(58.2)-G121520 **Lab ID:** 20121650-11
Collection Date: 12/15/2020 10:02 AM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **MF**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 07:38 PM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	12/24/2020 07:38 PM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 07:38 PM
1,1-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 07:38 PM
1,1-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 07:38 PM
1,2-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 07:38 PM
1,2-Dichloropropane	ND		1.0	µg/L	1	12/24/2020 07:38 PM
2-Butanone	ND		5.0	µg/L	1	12/24/2020 07:38 PM
2-Hexanone	ND		5.0	µg/L	1	12/24/2020 07:38 PM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	12/24/2020 07:38 PM
Acetone	ND		10	µg/L	1	12/24/2020 07:38 PM
Benzene	ND		1.0	µg/L	1	12/24/2020 07:38 PM
Bromodichloromethane	ND		1.0	µg/L	1	12/24/2020 07:38 PM
Bromoform	ND		1.0	µg/L	1	12/24/2020 07:38 PM
Bromomethane	ND		1.0	µg/L	1	12/24/2020 07:38 PM
Carbon disulfide	ND		1.0	µg/L	1	12/24/2020 07:38 PM
Carbon tetrachloride	ND		1.0	µg/L	1	12/24/2020 07:38 PM
Chlorobenzene	ND		1.0	µg/L	1	12/24/2020 07:38 PM
Chloroethane	ND		1.0	µg/L	1	12/24/2020 07:38 PM
Chloroform	ND		1.0	µg/L	1	12/24/2020 07:38 PM
Chloromethane	ND		1.0	µg/L	1	12/24/2020 07:38 PM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 07:38 PM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 07:38 PM
Dibromochloromethane	ND		1.0	µg/L	1	12/24/2020 07:38 PM
Ethylbenzene	ND		1.0	µg/L	1	12/24/2020 07:38 PM
m,p-Xylene	ND		2.0	µg/L	1	12/24/2020 07:38 PM
Methylene chloride	ND		5.0	µg/L	1	12/24/2020 07:38 PM
o-Xylene	ND		1.0	µg/L	1	12/24/2020 07:38 PM
Styrene	ND		1.0	µg/L	1	12/24/2020 07:38 PM
Tetrachloroethene	ND		1.0	µg/L	1	12/24/2020 07:38 PM
Toluene	ND		1.0	µg/L	1	12/24/2020 07:38 PM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 07:38 PM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 07:38 PM
Trichloroethene	ND		1.0	µg/L	1	12/24/2020 07:38 PM
Vinyl chloride	ND		1.0	µg/L	1	12/24/2020 07:38 PM
Xylenes, Total	ND		3.0	µg/L	1	12/24/2020 07:38 PM
Surr: 1,2-Dichloroethane-d4	*106*		*75-120*	*%REC*	1	12/24/2020 07:38 PM
Surr: 4-Bromofluorobenzene	*102*		*80-110*	*%REC*	1	12/24/2020 07:38 PM
Surr: Dibromofluoromethane	*104*		*85-115*	*%REC*	1	12/24/2020 07:38 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-MW26(58.2)-G121520 **Lab ID:** 20121650-11
Collection Date: 12/15/2020 10:02 AM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*102*		*85-110*	*%REC*	1	12/24/2020 07:38 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-OW2(33)-G121520 **Lab ID:** 20121650-12
Collection Date: 12/15/2020 10:52 AM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **MF**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 07:54 PM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	12/24/2020 07:54 PM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 07:54 PM
1,1-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 07:54 PM
1,1-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 07:54 PM
1,2-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 07:54 PM
1,2-Dichloropropane	ND		1.0	µg/L	1	12/24/2020 07:54 PM
2-Butanone	ND		5.0	µg/L	1	12/24/2020 07:54 PM
2-Hexanone	ND		5.0	µg/L	1	12/24/2020 07:54 PM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	12/24/2020 07:54 PM
Acetone	ND		10	µg/L	1	12/24/2020 07:54 PM
Benzene	ND		1.0	µg/L	1	12/24/2020 07:54 PM
Bromodichloromethane	ND		1.0	µg/L	1	12/24/2020 07:54 PM
Bromoform	ND		1.0	µg/L	1	12/24/2020 07:54 PM
Bromomethane	ND		1.0	µg/L	1	12/24/2020 07:54 PM
Carbon disulfide	ND		1.0	µg/L	1	12/24/2020 07:54 PM
Carbon tetrachloride	ND		1.0	µg/L	1	12/24/2020 07:54 PM
Chlorobenzene	ND		1.0	µg/L	1	12/24/2020 07:54 PM
Chloroethane	ND		1.0	µg/L	1	12/24/2020 07:54 PM
Chloroform	ND		1.0	µg/L	1	12/24/2020 07:54 PM
Chloromethane	ND		1.0	µg/L	1	12/24/2020 07:54 PM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 07:54 PM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 07:54 PM
Dibromochloromethane	ND		1.0	µg/L	1	12/24/2020 07:54 PM
Ethylbenzene	ND		1.0	µg/L	1	12/24/2020 07:54 PM
m,p-Xylene	ND		2.0	µg/L	1	12/24/2020 07:54 PM
Methylene chloride	ND		5.0	µg/L	1	12/24/2020 07:54 PM
o-Xylene	ND		1.0	µg/L	1	12/24/2020 07:54 PM
Styrene	ND		1.0	µg/L	1	12/24/2020 07:54 PM
Tetrachloroethene	ND		1.0	µg/L	1	12/24/2020 07:54 PM
Toluene	ND		1.0	µg/L	1	12/24/2020 07:54 PM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 07:54 PM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 07:54 PM
Trichloroethene	ND		1.0	µg/L	1	12/24/2020 07:54 PM
Vinyl chloride	ND		1.0	µg/L	1	12/24/2020 07:54 PM
Xylenes, Total	ND		3.0	µg/L	1	12/24/2020 07:54 PM
Surr: 1,2-Dichloroethane-d4	*104*		*75-120*	*%REC*	1	12/24/2020 07:54 PM
Surr: 4-Bromofluorobenzene	*102*		*80-110*	*%REC*	1	12/24/2020 07:54 PM
Surr: Dibromofluoromethane	*102*		*85-115*	*%REC*	1	12/24/2020 07:54 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-OW2(33)-G121520 **Lab ID:** 20121650-12
Collection Date: 12/15/2020 10:52 AM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*101*		*85-110*	*%REC*	1	12/24/2020 07:54 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-OW2(53)-G121520 **Lab ID:** 20121650-13
Collection Date: 12/15/2020 11:37 AM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **MF**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 08:11 PM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	12/24/2020 08:11 PM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 08:11 PM
1,1-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 08:11 PM
1,1-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 08:11 PM
1,2-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 08:11 PM
1,2-Dichloropropane	ND		1.0	µg/L	1	12/24/2020 08:11 PM
2-Butanone	ND		5.0	µg/L	1	12/24/2020 08:11 PM
2-Hexanone	ND		5.0	µg/L	1	12/24/2020 08:11 PM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	12/24/2020 08:11 PM
Acetone	ND		10	µg/L	1	12/24/2020 08:11 PM
Benzene	ND		1.0	µg/L	1	12/24/2020 08:11 PM
Bromodichloromethane	ND		1.0	µg/L	1	12/24/2020 08:11 PM
Bromoform	ND		1.0	µg/L	1	12/24/2020 08:11 PM
Bromomethane	ND		1.0	µg/L	1	12/24/2020 08:11 PM
Carbon disulfide	ND		1.0	µg/L	1	12/24/2020 08:11 PM
Carbon tetrachloride	ND		1.0	µg/L	1	12/24/2020 08:11 PM
Chlorobenzene	ND		1.0	µg/L	1	12/24/2020 08:11 PM
Chloroethane	ND		1.0	µg/L	1	12/24/2020 08:11 PM
Chloroform	ND		1.0	µg/L	1	12/24/2020 08:11 PM
Chloromethane	ND		1.0	µg/L	1	12/24/2020 08:11 PM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 08:11 PM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 08:11 PM
Dibromochloromethane	ND		1.0	µg/L	1	12/24/2020 08:11 PM
Ethylbenzene	ND		1.0	µg/L	1	12/24/2020 08:11 PM
m,p-Xylene	ND		2.0	µg/L	1	12/24/2020 08:11 PM
Methylene chloride	ND		5.0	µg/L	1	12/24/2020 08:11 PM
o-Xylene	ND		1.0	µg/L	1	12/24/2020 08:11 PM
Styrene	ND		1.0	µg/L	1	12/24/2020 08:11 PM
Tetrachloroethene	ND		1.0	µg/L	1	12/24/2020 08:11 PM
Toluene	ND		1.0	µg/L	1	12/24/2020 08:11 PM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 08:11 PM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 08:11 PM
Trichloroethene	ND		1.0	µg/L	1	12/24/2020 08:11 PM
Vinyl chloride	ND		1.0	µg/L	1	12/24/2020 08:11 PM
Xylenes, Total	ND		3.0	µg/L	1	12/24/2020 08:11 PM
Surr: 1,2-Dichloroethane-d4	*106*		*75-120*	*%REC*	1	12/24/2020 08:11 PM
Surr: 4-Bromofluorobenzene	*99.1*		*80-110*	*%REC*	1	12/24/2020 08:11 PM
Surr: Dibromofluoromethane	*103*		*85-115*	*%REC*	1	12/24/2020 08:11 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-OW2(53)-G121520 **Lab ID:** 20121650-13
Collection Date: 12/15/2020 11:37 AM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*101*		*85-110*	*%REC*	1	12/24/2020 08:11 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-EB001-G121520 **Lab ID:** 20121650-14
Collection Date: 12/15/2020 11:55 AM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **MF**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 08:27 PM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	12/24/2020 08:27 PM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 08:27 PM
1,1-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 08:27 PM
1,1-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 08:27 PM
1,2-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 08:27 PM
1,2-Dichloropropane	ND		1.0	µg/L	1	12/24/2020 08:27 PM
2-Butanone	ND		5.0	µg/L	1	12/24/2020 08:27 PM
2-Hexanone	ND		5.0	µg/L	1	12/24/2020 08:27 PM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	12/24/2020 08:27 PM
Acetone	ND		10	µg/L	1	12/24/2020 08:27 PM
Benzene	ND		1.0	µg/L	1	12/24/2020 08:27 PM
Bromodichloromethane	ND		1.0	µg/L	1	12/24/2020 08:27 PM
Bromoform	ND		1.0	µg/L	1	12/24/2020 08:27 PM
Bromomethane	ND		1.0	µg/L	1	12/24/2020 08:27 PM
Carbon disulfide	ND		1.0	µg/L	1	12/24/2020 08:27 PM
Carbon tetrachloride	ND		1.0	µg/L	1	12/24/2020 08:27 PM
Chlorobenzene	ND		1.0	µg/L	1	12/24/2020 08:27 PM
Chloroethane	ND		1.0	µg/L	1	12/24/2020 08:27 PM
Chloroform	ND		1.0	µg/L	1	12/24/2020 08:27 PM
Chloromethane	ND		1.0	µg/L	1	12/24/2020 08:27 PM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 08:27 PM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 08:27 PM
Dibromochloromethane	ND		1.0	µg/L	1	12/24/2020 08:27 PM
Ethylbenzene	ND		1.0	µg/L	1	12/24/2020 08:27 PM
m,p-Xylene	ND		2.0	µg/L	1	12/24/2020 08:27 PM
Methylene chloride	ND		5.0	µg/L	1	12/24/2020 08:27 PM
o-Xylene	ND		1.0	µg/L	1	12/24/2020 08:27 PM
Styrene	ND		1.0	µg/L	1	12/24/2020 08:27 PM
Tetrachloroethene	ND		1.0	µg/L	1	12/24/2020 08:27 PM
Toluene	ND		1.0	µg/L	1	12/24/2020 08:27 PM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 08:27 PM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 08:27 PM
Trichloroethene	ND		1.0	µg/L	1	12/24/2020 08:27 PM
Vinyl chloride	ND		1.0	µg/L	1	12/24/2020 08:27 PM
Xylenes, Total	ND		3.0	µg/L	1	12/24/2020 08:27 PM
Surr: 1,2-Dichloroethane-d4	*104*		*75-120*	*%REC*	1	12/24/2020 08:27 PM
Surr: 4-Bromofluorobenzene	*99.0*		*80-110*	*%REC*	1	12/24/2020 08:27 PM
Surr: Dibromofluoromethane	*104*		*85-115*	*%REC*	1	12/24/2020 08:27 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-EB001-G121520 **Lab ID:** 20121650-14
Collection Date: 12/15/2020 11:55 AM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*102*		*85-110*	*%REC*	1	12/24/2020 08:27 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-MW6C-G121520 **Lab ID:** 20121650-15
Collection Date: 12/15/2020 12:32 PM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **MF**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 08:43 PM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	12/24/2020 08:43 PM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 08:43 PM
1,1-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 08:43 PM
1,1-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 08:43 PM
1,2-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 08:43 PM
1,2-Dichloropropane	ND		1.0	µg/L	1	12/24/2020 08:43 PM
2-Butanone	ND		5.0	µg/L	1	12/24/2020 08:43 PM
2-Hexanone	ND		5.0	µg/L	1	12/24/2020 08:43 PM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	12/24/2020 08:43 PM
Acetone	ND		10	µg/L	1	12/24/2020 08:43 PM
Benzene	ND		1.0	µg/L	1	12/24/2020 08:43 PM
Bromodichloromethane	ND		1.0	µg/L	1	12/24/2020 08:43 PM
Bromoform	ND		1.0	µg/L	1	12/24/2020 08:43 PM
Bromomethane	ND		1.0	µg/L	1	12/24/2020 08:43 PM
Carbon disulfide	ND		1.0	µg/L	1	12/24/2020 08:43 PM
Carbon tetrachloride	ND		1.0	µg/L	1	12/24/2020 08:43 PM
Chlorobenzene	ND		1.0	µg/L	1	12/24/2020 08:43 PM
Chloroethane	ND		1.0	µg/L	1	12/24/2020 08:43 PM
Chloroform	ND		1.0	µg/L	1	12/24/2020 08:43 PM
Chloromethane	ND		1.0	µg/L	1	12/24/2020 08:43 PM
cis-1,2-Dichloroethene	**1.5**		**1.0**	**µg/L**	1	12/24/2020 08:43 PM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 08:43 PM
Dibromochloromethane	ND		1.0	µg/L	1	12/24/2020 08:43 PM
Ethylbenzene	ND		1.0	µg/L	1	12/24/2020 08:43 PM
m,p-Xylene	ND		2.0	µg/L	1	12/24/2020 08:43 PM
Methylene chloride	ND		5.0	µg/L	1	12/24/2020 08:43 PM
o-Xylene	ND		1.0	µg/L	1	12/24/2020 08:43 PM
Styrene	ND		1.0	µg/L	1	12/24/2020 08:43 PM
Tetrachloroethene	ND		1.0	µg/L	1	12/24/2020 08:43 PM
Toluene	ND		1.0	µg/L	1	12/24/2020 08:43 PM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 08:43 PM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 08:43 PM
Trichloroethene	ND		1.0	µg/L	1	12/24/2020 08:43 PM
Vinyl chloride	**2.0**		**1.0**	**µg/L**	1	12/24/2020 08:43 PM
Xylenes, Total	ND		3.0	µg/L	1	12/24/2020 08:43 PM
Surr: 1,2-Dichloroethane-d4	*104*		*75-120*	*%REC*	1	12/24/2020 08:43 PM
Surr: 4-Bromofluorobenzene	*99.0*		*80-110*	*%REC*	1	12/24/2020 08:43 PM
Surr: Dibromofluoromethane	*103*		*85-115*	*%REC*	1	12/24/2020 08:43 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-MW6C-G121520 **Lab ID:** 20121650-15
Collection Date: 12/15/2020 12:32 PM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*99.2*		*85-110*	*%REC*	1	12/24/2020 08:43 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-MW17-G121520 **Lab ID:** 20121650-16
Collection Date: 12/15/2020 01:23 PM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **MF**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 08:59 PM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	12/24/2020 08:59 PM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 08:59 PM
1,1-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 08:59 PM
1,1-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 08:59 PM
1,2-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 08:59 PM
1,2-Dichloropropane	ND		1.0	µg/L	1	12/24/2020 08:59 PM
2-Butanone	ND		5.0	µg/L	1	12/24/2020 08:59 PM
2-Hexanone	ND		5.0	µg/L	1	12/24/2020 08:59 PM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	12/24/2020 08:59 PM
Acetone	ND		10	µg/L	1	12/24/2020 08:59 PM
Benzene	ND		1.0	µg/L	1	12/24/2020 08:59 PM
Bromodichloromethane	ND		1.0	µg/L	1	12/24/2020 08:59 PM
Bromoform	ND		1.0	µg/L	1	12/24/2020 08:59 PM
Bromomethane	ND		1.0	µg/L	1	12/24/2020 08:59 PM
Carbon disulfide	ND		1.0	µg/L	1	12/24/2020 08:59 PM
Carbon tetrachloride	ND		1.0	µg/L	1	12/24/2020 08:59 PM
Chlorobenzene	ND		1.0	µg/L	1	12/24/2020 08:59 PM
Chloroethane	ND		1.0	µg/L	1	12/24/2020 08:59 PM
Chloroform	ND		1.0	µg/L	1	12/24/2020 08:59 PM
Chloromethane	ND		1.0	µg/L	1	12/24/2020 08:59 PM
cis-1,2-Dichloroethene	**16**		**1.0**	**µg/L**	1	12/24/2020 08:59 PM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 08:59 PM
Dibromochloromethane	ND		1.0	µg/L	1	12/24/2020 08:59 PM
Ethylbenzene	ND		1.0	µg/L	1	12/24/2020 08:59 PM
m,p-Xylene	ND		2.0	µg/L	1	12/24/2020 08:59 PM
Methylene chloride	ND		5.0	µg/L	1	12/24/2020 08:59 PM
o-Xylene	ND		1.0	µg/L	1	12/24/2020 08:59 PM
Styrene	ND		1.0	µg/L	1	12/24/2020 08:59 PM
Tetrachloroethene	ND		1.0	µg/L	1	12/24/2020 08:59 PM
Toluene	ND		1.0	µg/L	1	12/24/2020 08:59 PM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 08:59 PM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 08:59 PM
Trichloroethene	**21**		**1.0**	**µg/L**	1	12/24/2020 08:59 PM
Vinyl chloride	**2.4**		**1.0**	**µg/L**	1	12/24/2020 08:59 PM
Xylenes, Total	ND		3.0	µg/L	1	12/24/2020 08:59 PM
Surr: 1,2-Dichloroethane-d4	*104*		*75-120*	*%REC*	1	12/24/2020 08:59 PM
Surr: 4-Bromofluorobenzene	*101*		*80-110*	*%REC*	1	12/24/2020 08:59 PM
Surr: Dibromofluoromethane	*104*		*85-115*	*%REC*	1	12/24/2020 08:59 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-MW17-G121520 **Lab ID:** 20121650-16
Collection Date: 12/15/2020 01:23 PM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*103*		*85-110*	*%REC*	1	12/24/2020 08:59 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-MW17-G121520R **Lab ID:** 20121650-17
Collection Date: 12/15/2020 01:23 PM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **MF**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 09:15 PM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	12/24/2020 09:15 PM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	12/24/2020 09:15 PM
1,1-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 09:15 PM
1,1-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 09:15 PM
1,2-Dichloroethane	ND		1.0	µg/L	1	12/24/2020 09:15 PM
1,2-Dichloropropane	ND		1.0	µg/L	1	12/24/2020 09:15 PM
2-Butanone	ND		5.0	µg/L	1	12/24/2020 09:15 PM
2-Hexanone	ND		5.0	µg/L	1	12/24/2020 09:15 PM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	12/24/2020 09:15 PM
Acetone	ND		10	µg/L	1	12/24/2020 09:15 PM
Benzene	ND		1.0	µg/L	1	12/24/2020 09:15 PM
Bromodichloromethane	ND		1.0	µg/L	1	12/24/2020 09:15 PM
Bromoform	ND		1.0	µg/L	1	12/24/2020 09:15 PM
Bromomethane	ND		1.0	µg/L	1	12/24/2020 09:15 PM
Carbon disulfide	ND		1.0	µg/L	1	12/24/2020 09:15 PM
Carbon tetrachloride	ND		1.0	µg/L	1	12/24/2020 09:15 PM
Chlorobenzene	ND		1.0	µg/L	1	12/24/2020 09:15 PM
Chloroethane	ND		1.0	µg/L	1	12/24/2020 09:15 PM
Chloroform	ND		1.0	µg/L	1	12/24/2020 09:15 PM
Chloromethane	ND		1.0	µg/L	1	12/24/2020 09:15 PM
cis-1,2-Dichloroethene	**16**		**1.0**	**µg/L**	1	12/24/2020 09:15 PM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 09:15 PM
Dibromochloromethane	ND		1.0	µg/L	1	12/24/2020 09:15 PM
Ethylbenzene	ND		1.0	µg/L	1	12/24/2020 09:15 PM
m,p-Xylene	ND		2.0	µg/L	1	12/24/2020 09:15 PM
Methylene chloride	ND		5.0	µg/L	1	12/24/2020 09:15 PM
o-Xylene	ND		1.0	µg/L	1	12/24/2020 09:15 PM
Styrene	ND		1.0	µg/L	1	12/24/2020 09:15 PM
Tetrachloroethene	ND		1.0	µg/L	1	12/24/2020 09:15 PM
Toluene	ND		1.0	µg/L	1	12/24/2020 09:15 PM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	12/24/2020 09:15 PM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	12/24/2020 09:15 PM
Trichloroethene	**22**		**1.0**	**µg/L**	1	12/24/2020 09:15 PM
Vinyl chloride	**2.3**		**1.0**	**µg/L**	1	12/24/2020 09:15 PM
Xylenes, Total	ND		3.0	µg/L	1	12/24/2020 09:15 PM
Surr: 1,2-Dichloroethane-d4	*104*		*75-120*	*%REC*	1	12/24/2020 09:15 PM
Surr: 4-Bromofluorobenzene	*98.8*		*80-110*	*%REC*	1	12/24/2020 09:15 PM
Surr: Dibromofluoromethane	*101*		*85-115*	*%REC*	1	12/24/2020 09:15 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3354 15 1040) **Work Order:** 20121650
Sample ID: ATR-MW17-G121520R **Lab ID:** 20121650-17
Collection Date: 12/15/2020 01:23 PM **Matrix:** GROUNDWATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*101*		*85-110*	*%REC*	1	12/24/2020 09:15 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Batch ID: **R306736a** Instrument ID **VMS8** Method: **SW8260C**

MBLK Sample ID: **VBLKW1-201224-R306736a** Units: **µg/L** Analysis Date: **12/24/2020 03:35 PM**

Client ID: Run ID: **VMS8_201224A** SeqNo: **7026171** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloroethane	ND	1.0								
1,2-Dichloropropane	ND	1.0								
2-Butanone	ND	5.0								
2-Hexanone	ND	5.0								
4-Methyl-2-pentanone	ND	1.0								
Acetone	ND	10								
Benzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	1.0								
Carbon disulfide	ND	1.0								
Carbon tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	1.0								
Chloroform	ND	1.0								
Chloromethane	ND	1.0								
cis-1,2-Dichloroethene	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
Dibromochloromethane	ND	1.0								
Ethylbenzene	ND	1.0								
m,p-Xylene	ND	2.0								
Methylene chloride	ND	5.0								
o-Xylene	ND	1.0								
Styrene	ND	1.0								
Tetrachloroethene	ND	1.0								
Toluene	ND	1.0								
trans-1,2-Dichloroethene	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
Trichloroethene	ND	1.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	3.0								
Surr: 1,2-Dichloroethane-d4	*20.49*	0	*20*	0	*102*	*75-120*		0		
Surr: 4-Bromofluorobenzene	*20.34*	0	*20*	0	*102*	*80-110*		0		
Surr: Dibromofluoromethane	*20.73*	0	*20*	0	*104*	*85-115*		0		
Surr: Toluene-d8	*20.76*	0	*20*	0	*104*	*85-110*		0		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Wood Environment & Infrastructure Solutions, Inc.
Work Order: 20121650
Project: TFS Rochester (3354 15 1040)

QC BATCH REPORT

Batch ID: **R306736a** Instrument ID **VMS8** Method: **SW8260C**

LCS	Sample ID: **VLCSW1-201224-R306736a**			Units: **µg/L**			Analysis Date: **12/24/2020 02:46 PM**			
Client ID:	Run ID: **VMS8_201224A**			SeqNo: **7026169**		Prep Date:		DF: **1**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	22.37	1.0	20	0	112	75-130	0			
1,1,2,2-Tetrachloroethane	21.8	1.0	20	0	109	75-130	0			
1,1,2-Trichloroethane	22.82	1.0	20	0	114	75-125	0			
1,1-Dichloroethane	19.65	1.0	20	0	98.2	68-142	0			
1,1-Dichloroethene	19.84	1.0	20	0	99.2	70-145	0			
1,2-Dichloroethane	22.38	1.0	20	0	112	78-125	0			
1,2-Dichloropropane	22.11	1.0	20	0	111	75-125	0			
2-Butanone	19.01	5.0	20	0	95	55-150	0			
2-Hexanone	17.84	5.0	20	0	89.2	60-135	0			
4-Methyl-2-pentanone	31.03	1.0	20	0	155	77-178	0			
Acetone	17.03	10	20	0	85.2	60-160	0			
Benzene	22.4	1.0	20	0	112	70-130	0			
Bromodichloromethane	22.35	1.0	20	0	112	75-125	0			
Bromoform	21.12	1.0	20	0	106	60-125	0			
Bromomethane	22.16	1.0	20	0	111	30-185	0			
Carbon disulfide	20.41	1.0	20	0	102	60-165	0			
Carbon tetrachloride	18.12	1.0	20	0	90.6	65-140	0			
Chlorobenzene	20.48	1.0	20	0	102	80-120	0			
Chloroethane	40.02	1.0	20	0	200	31-172	0			S
Chloroform	19.64	1.0	20	0	98.2	66-135	0			
Chloromethane	12.21	1.0	20	0	61	46-148	0			
cis-1,2-Dichloroethene	20.19	1.0	20	0	101	75-134	0			
cis-1,3-Dichloropropene	19.34	1.0	20	0	96.7	70-130	0			
Dibromochloromethane	21.62	1.0	20	0	108	60-115	0			
Ethylbenzene	20.96	1.0	20	0	105	76-123	0			
m,p-Xylene	41.45	2.0	40	0	104	75-130	0			
Methylene chloride	17.74	5.0	20	0	88.7	72-125	0			
o-Xylene	21	1.0	20	0	105	76-127	0			
Styrene	21.1	1.0	20	0	106	79-117	0			
Tetrachloroethene	24.28	1.0	20	0	121	68-166	0			
Toluene	20.63	1.0	20	0	103	76-125	0			
trans-1,2-Dichloroethene	20.06	1.0	20	0	100	80-140	0			
trans-1,3-Dichloropropene	19.98	1.0	20	0	99.9	56-132	0			
Trichloroethene	20.52	1.0	20	0	103	77-125	0			
Vinyl chloride	17.33	1.0	20	0	86.6	50-136	0			
Xylenes, Total	62.45	3.0	60	0	104	76-127	0			
Surr: 1,2-Dichloroethane-d4	*19.97*	0	*20*	0	*99.8*	*75-120*	0			
Surr: 4-Bromofluorobenzene	*20*	0	*20*	0	*100*	*80-110*	0			
Surr: Dibromofluoromethane	*19.71*	0	*20*	0	*98.6*	*85-115*	0			
Surr: Toluene-d8	*19.84*	0	*20*	0	*99.2*	*85-110*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Wood Environment & Infrastructure Solutions, Inc.
Work Order: 20121650
Project: TFS Rochester (3354 15 1040)

QC BATCH REPORT

Batch ID: **R306736a** Instrument ID **VMS8** Method: **SW8260C**

MS Sample ID: **20121650-13A MS** Units: **µg/L** Analysis Date: **12/24/2020 09:32 PM**
Client ID: **ATR-OW2(53)-G121520** Run ID: **VMS8_201224A** SeqNo: **7026193** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	21.5	1.0	20	0	108	75-130	0			
1,1,2,2-Tetrachloroethane	20.36	1.0	20	0	102	75-130	0			
1,1,2-Trichloroethane	21.55	1.0	20	0	108	75-125	0			
1,1-Dichloroethane	18.78	1.0	20	0	93.9	68-142	0			
1,1-Dichloroethene	20.18	1.0	20	0	101	70-145	0			
1,2-Dichloroethane	20.84	1.0	20	0	104	78-125	0			
1,2-Dichloropropane	20.62	1.0	20	0	103	75-125	0			
2-Butanone	20.5	5.0	20	0	102	55-150	0			
2-Hexanone	17.34	5.0	20	0	86.7	60-135	0			
4-Methyl-2-pentanone	30.37	1.0	20	0	152	77-178	0			
Acetone	19.74	10	20	1.1	93.2	60-160	0			
Benzene	21.3	1.0	20	0	106	70-130	0			
Bromodichloromethane	21.11	1.0	20	0	106	75-125	0			
Bromoform	19.66	1.0	20	0	98.3	60-125	0			
Bromomethane	112.7	1.0	20	0	563	30-185	0			SE
Carbon disulfide	19.85	1.0	20	0	99.2	60-165	0			
Carbon tetrachloride	18.1	1.0	20	0	90.5	65-140	0			
Chlorobenzene	18.74	1.0	20	0	93.7	80-120	0			
Chloroethane	38.28	1.0	20	0	191	31-172	0			S
Chloroform	18.34	1.0	20	0	91.7	66-135	0			
Chloromethane	10.53	1.0	20	0	52.6	46-148	0			
cis-1,2-Dichloroethene	19.42	1.0	20	0	97.1	75-134	0			
cis-1,3-Dichloropropene	17.19	1.0	20	0	86	70-130	0			
Dibromochloromethane	20.45	1.0	20	0	102	60-115	0			
Ethylbenzene	20.39	1.0	20	0	102	76-123	0			
m,p-Xylene	39.35	2.0	40	0	98.4	75-130	0			
Methylene chloride	16.81	5.0	20	0	84	72-125	0			
o-Xylene	19.76	1.0	20	0	98.8	76-127	0			
Styrene	19.85	1.0	20	0	99.2	79-117	0			
Tetrachloroethene	23.25	1.0	20	0	116	68-166	0			
Toluene	19.44	1.0	20	0	97.2	76-125	0			
trans-1,2-Dichloroethene	19.25	1.0	20	0	96.2	80-140	0			
trans-1,3-Dichloropropene	18.04	1.0	20	0	90.2	56-132	0			
Trichloroethene	18.82	1.0	20	0	94.1	77-125	0			
Vinyl chloride	17.31	1.0	20	0	86.6	50-136	0			
Xylenes, Total	59.11	3.0	60	0	98.5	76-127	0			
Surr: 1,2-Dichloroethane-d4	*20.16*	0	*20*	0	*101*	*75-120*	0			
Surr: 4-Bromofluorobenzene	*20*	0	*20*	0	*100*	*80-110*	0			
Surr: Dibromofluoromethane	*19.67*	0	*20*	0	*98.4*	*85-115*	0			
Surr: Toluene-d8	*19.56*	0	*20*	0	*97.8*	*85-110*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Wood Environment & Infrastructure Solutions, Inc.
Work Order: 20121650
Project: TFS Rochester (3354 15 1040)

QC BATCH REPORT

Batch ID: **R306736a** Instrument ID **VMS8** Method: **SW8260C**

MSD Sample ID: **20121650-13A MSD** Units: **µg/L** Analysis Date: **12/24/2020 09:48 PM**
Client ID: **ATR-OW2(53)-G121520** Run ID: **VMS8_201224A** SeqNo: **7026194** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	23.31	1.0	20	0	117	75-130	21.5	8.08	30	
1,1,2,2-Tetrachloroethane	21.09	1.0	20	0	105	75-130	20.36	3.52	30	
1,1,2-Trichloroethane	23.11	1.0	20	0	116	75-125	21.55	6.99	30	
1,1-Dichloroethane	19.77	1.0	20	0	98.8	68-142	18.78	5.14	30	
1,1-Dichloroethene	20.3	1.0	20	0	102	70-145	20.18	0.593	30	
1,2-Dichloroethane	22.31	1.0	20	0	112	78-125	20.84	6.81	30	
1,2-Dichloropropane	22.23	1.0	20	0	111	75-125	20.62	7.51	30	
2-Butanone	20.08	5.0	20	0	100	55-150	20.5	2.07	30	
2-Hexanone	18.67	5.0	20	0	93.4	60-135	17.34	7.39	30	
4-Methyl-2-pentanone	32.82	1.0	20	0	164	77-178	30.37	7.75	30	
Acetone	21.21	10	20	1.1	101	60-160	19.74	7.18	30	
Benzene	22.36	1.0	20	0	112	70-130	21.3	4.86	30	
Bromodichloromethane	21.9	1.0	20	0	110	75-125	21.11	3.67	30	
Bromoform	20.41	1.0	20	0	102	60-125	19.66	3.74	30	
Bromomethane	126.8	1.0	20	0	634	30-185	112.7	11.8	30	SE
Carbon disulfide	20.39	1.0	20	0	102	60-165	19.85	2.68	30	
Carbon tetrachloride	19.5	1.0	20	0	97.5	65-140	18.1	7.45	30	
Chlorobenzene	20.63	1.0	20	0	103	80-120	18.74	9.6	30	
Chloroethane	39.77	1.0	20	0	199	31-172	38.28	3.82	30	S
Chloroform	19.11	1.0	20	0	95.6	66-135	18.34	4.11	30	
Chloromethane	11.54	1.0	20	0	57.7	46-148	10.53	9.15	30	
cis-1,2-Dichloroethene	19.88	1.0	20	0	99.4	75-134	19.42	2.34	30	
cis-1,3-Dichloropropene	18.38	1.0	20	0	91.9	70-130	17.19	6.69	30	
Dibromochloromethane	21.65	1.0	20	0	108	60-115	20.45	5.7	30	
Ethylbenzene	21.38	1.0	20	0	107	76-123	20.39	4.74	30	
m,p-Xylene	42.01	2.0	40	0	105	75-130	39.35	6.54	30	
Methylene chloride	17.36	5.0	20	0	86.8	72-125	16.81	3.22	30	
o-Xylene	21.15	1.0	20	0	106	76-127	19.76	6.8	30	
Styrene	21.08	1.0	20	0	105	79-117	19.85	6.01	30	
Tetrachloroethene	24.33	1.0	20	0	122	68-166	23.25	4.54	30	
Toluene	20.77	1.0	20	0	104	76-125	19.44	6.62	30	
trans-1,2-Dichloroethene	20.44	1.0	20	0	102	80-140	19.25	6	30	
trans-1,3-Dichloropropene	19.29	1.0	20	0	96.4	56-132	18.04	6.7	30	
Trichloroethene	20.24	1.0	20	0	101	77-125	18.82	7.27	30	
Vinyl chloride	18.01	1.0	20	0	90	50-136	17.31	3.96	30	
Xylenes, Total	63.16	3.0	60	0	105	76-127	59.11	6.62	30	
Surr: 1,2-Dichloroethane-d4	*19.56*	0	*20*	0	*97.8*	*75-120*	20.16	*3.02*	*30*	
Surr: 4-Bromofluorobenzene	*19.47*	0	*20*	0	*97.4*	*80-110*	20	*2.69*	*30*	
Surr: Dibromofluoromethane	*19.53*	0	*20*	0	*97.6*	*85-115*	19.67	*0.714*	*30*	
Surr: Toluene-d8	*19.86*	0	*20*	0	*99.3*	*85-110*	19.56	*1.52*	*30*	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Wood Environment & Infrastructure Solutions, Inc.
Work Order: 20121650
Project: TFS Rochester (3354 15 1040)

QC BATCH REPORT

Batch ID: **R306736a** Instrument ID **VMS8** Method: **SW8260C**

The following samples were analyzed in this batch:

20121650-01A	20121650-02A	20121650-03A
20121650-04A	20121650-05A	20121650-06A
20121650-07A	20121650-08A	20121650-09A
20121650-10A	20121650-11A	20121650-12A
20121650-13A	20121650-14A	20121650-15A
20121650-16A	20121650-17A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070
Houston, TX +1 281 530 5656
Spring City, PA +1 610 948 4903
South Charleston, WV +1 304 356 3168
Middletown, PA +1 717 944 5541
Salt Lake City, UT +1 801 266 7700
York, PA +1 717 505 5280

Chain of Custody Form

Page 1 of 2

COC ID: 189409

ALS Project Manager: EB

ALS Work Order #: 2012 1650

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	TFB Rochester	A	VOCs
Work Order		Project Number	33591510 40	B	
Company Name	Wood Environment & Infrastructure Soluti	Bill To Company	Wood Environment & Infrastructure Sol	C	
Send Report To	Paul Stork	Invoice Attn	Paul Stork	D	
Address	521 Byers Road, Suite 204	Address	521 Byers Road, Suite 204	E	
				F	
City/State/Zip	Miamisburg, OH 45342	City/State/Zip	Miamisburg, OH 45342	G	
Phone	(937) 859-3600	Phone	(937) 859-3600	H	
Fax	(937) 859-7951	Fax	(937) 859-7951	I	
e-Mail Address	Paul.Stork@WoodPLC.com	e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	Trip Blank						X										
2	ATR-MW27(18)-G121420	12/14/20	1323	GW	1	3	X										
3	ATR-EB001-G121420	12/14/20	1334	GW	1	3	X										
4	ATR-OW6(38)-G121420	12/14/20	1413	GW	1	3	X										
5	ATR-OW6(63)-G121420	12/14/20	1502	GW	1	3	X										
6	ATR-MW14-G121420	12/14/20	1547	GW	1	3	X										
7	ATR-OW1(39)-G121420	12/14/20	1632	GW	1	3	X										
8	ATR-FB001-G121420	12/14/20	1655	GW	1	3	X										
9	ATR-MW26(17)-G121520	12/15/20	0832	GW	1	3	X										
10	ATR-MW26(28B)-G121520	12/15/20	0922	GW	1	3	X										

Sampler(s) Please Print & Sign: R. Dornbush R. Dornbush

Shipment Method:

Required Turnaround Time: (Check Box) X Std 10 WK Days ☐ 5 WK Days ☐ Other ☐ 2 WK Days ☐ 24 Hour

Results Due Date:

Relinquished by: R. Dornbush	Date: 12/16/2020	Time: 1300	Received by:	
Relinquished by: R. Dornbush	Date: 12/17/20	Time: 12:00	Received by (Laboratory):	
Logged by (Laboratory): MTG	Date: 12/17/20	Time: 14:50	Checked by (Laboratory): EB	

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Notes:

Cooler ID	Cooler Temp.
	1.0°C
	FRI

QC Package: (Check One Box Below)
- ☑ Level II Std QC
- ☐ Level III Std QC/Raw Data
- X Level IV SW846/CLP
- ☐ Other
- ☐ TRRP CheckList
- ☐ TRRP Level IV

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

Cincinnati, OH +1 513 733 5336
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South Charleston, WV +1 304 356 3168
Middletown, PA +1 717 944 5541
Salt Lake City, UT +1 801 266 7700
York, PA +1 717 505 5280

Chain of Custody Form

COC ID: 189410

ALS Project Manager: EB

ALS Work Order #: 20121650

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	TPS Rochester	A	VOCs
Work Order		Project Number	3359 151040	B	
Company Name	Wood Environment & Infrastructure Soluti	Bill To Company	Wood Environment & Infrastructure Sol	C	
Send Report To	Paul Stork	Invoice Attn	Paul Stork	D	
Address	521 Byers Road, Suite 204	Address	521 Byers Road, Suite 204	E	
				F	
City/State/Zip	Miamisburg, OH 45342	City/State/Zip	Miamisburg, OH 45342	G	
Phone	(937) 859-3600	Phone	(937) 859-3600	H	
Fax	(937) 859-7951	Fax	(937) 859-7951	I	
e-Mail Address	Paul.Stork@woodplc.com	e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	ATR-MW26(SB2)-G121520	12/15/20	1002	GW	1	3	X										
2	ATR-OW2(33)-G121520	12/15/20	1052	GW	1	3	X										
3	ATR-OW2(53)-G121520	12/15/20	1137	GW	1	3	X	Includes MS/MSD									
4	ATR-EB001-G121520	12/15/20	1155	GW	1	3	X										
5	ATR-MW6C-G121520	12/15/20	1232	GW	1	3	X										
6	ATR-MW17-G121520	12/15/20	1323	GW	1	3	X										
7	ATR-MW17-G121520R	12/15/20	1323	GW	1	3	X										
8																	
9																	
10																	

Sampler(s) Please Print & Sign: R. Dorrance R. Dorrance

Shipment Method:

Required Turnaround Time: (Check Box) [X] Std 10 WK Days [ ] 5 WK Days [ ] Other 2 WK Days [ ] 24 Hour

Results Due Date:

Relinquished by: R. Dorrance	Date: 12/16/2020	Time: 1300	Received by:	Notes:
Relinquished by:	Date: 12/17/20	Time: 12:00	Received by (Laboratory):	
Logged by (Laboratory): MJG	Date: 12/17/20	Time: 14:50	Checked by (Laboratory): EB	

Cooler ID	Cooler Temp.
	1.0°C
	IN

QC Package: (Check One Box Below)
- [x] Level II Std QC
- [ ] Level III Std QC/Raw Data
- [x] Level IV SW846/CLP
- [ ] TRRP CheckList
- [ ] TRRP Level IV
- [ ] Other

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note:
1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

ALS Group, USA

Sample Receipt Checklist

Client Name: **WOOD-DAYTON** Date/Time Received: **17-Dec-20 12:00**

Work Order: **20121650** Received by: **MJG**

Checklist completed by Matthew Gaylord (eSignature) 17-Dec-20 (Date) Reviewed by: Ehrland Bosworth (eSignature) 17-Dec-20 (Date)

Matrices: Groundwater

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	1.0/1.0C	IR1	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	12/17/2020 2:52:13 PM		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

DATA VALIDATION REPORT
DECEMBER 2020 GROUNDWATER SAMPLING
TEXTRON FORMER TORX FACILITY
ROCHESTER, INDIANA

1.0 INTRODUCTION

Groundwater samples were collected during monitoring well sampling completed in December 2020 at the Former TORX Facility in Rochester, Indiana. Samples were analyzed by ALS Laboratory Group in Holland, Michigan. A summary of sample delivery groups (SDGs) and field samples included in this review is contained in Table 1. Samples reviewed in this report were analyzed for the following USEPA SW-846 (USEPA, 1996) method:

- Volatile Organic Compounds (VOCs) by USEPA Method 8260C

Sample results were validated using general procedures in the USEPA National Data Validation Guidelines (USEPA, 2017), Indiana Department of Environmental Management (IDEM) data review guidelines (IDEM, 2012), and data validation goals identified in the Work Plan Appendix N Quality Assurance Project Plan (QAPP) [AMEC, 2014]. Project data quality criteria for the VOC analyses are identified based on IDEM quality control (QC) goals (IDEM, 1998) and the professional judgment of the project chemist. A summary of project QC limits used during data validation is provided in Table 2.

Level II validation was completed on all samples in accordance with specifications in the Work Plan. During the Level II validation the major quality assurance (QA)/QC indicators of analytical data quality are reviewed, but review of calculations and raw laboratory data is not included. QC data checks are completed using QC summary forms provided in the laboratory packages. The following parameters are checked during the Level II review:

- laboratory report narrative
- sample chain of custody/sample receipt records
- sample preservation and holding times
- QC blanks
- laboratory control sample (LCS) results
- matrix spike and matrix spike duplicate (MS/MSD) sample results
- surrogate recovery
- internal standard recovery and retention times
- field duplicate sample results
- sample results summary
- verification of electronic database results

Full validation was completed on ten percent of the samples. Full validation includes:

- instrument tuning and calibration
- lab notebook records
- review of raw instrument data including quantitation reports, chromatograms, and spectra
- calculation checks and verification of sample results and QC summary forms

Full validation was completed on the following sample:

- ATR-MW17-G121520

A summary of qualification actions is presented in Table 3. Table 3 includes listings of validation reason codes to document the reason for the validation qualification. Final sample results are presented in Table 4. Target analytes were reported as detections if concentrations were greater than the reporting limit (RL). If target compounds were not detected, or concentrations were less than RLs, the compounds are reported as non-detect (U) at the reporting limits. Data validation qualifiers were added to results if associated quality control data did not meet goals in the validation guidelines or project work plan. The following data quality flags shown below were used to qualify data that did not meet project specific QC goals.

UJ = undetected and reporting limit is estimated
U = undetected

2.0 VALIDATION OBSERVATION AND ACTIONS

With the exception of the data qualification actions discussed in the sections below, results are interpreted to be usable as reported by the laboratory. A summary of qualification actions is presented on Table 3. Validation reason codes are applied to the results to document the reason for the validation qualification.

2.1 VOCs

During the Level II review the data quality indicators listed below were reviewed. Checks that included validation actions are marked with an asterisk (*) and discussed in the following sections.

- laboratory report narrative
- sample chain of custody/sample receipt records
- sample preservation and holding times
- QC blanks
- laboratory control sample (LCS) results*
- matrix spike and matrix spike duplicate (MS/MSD) sample results*
- surrogate recovery
- internal standard recovery and retention times
- field duplicate sample results
- sample results summary
- verification of electronic database results

During the full validation the data quality indicators listed below were also reviewed:

- instrument tuning
- initial calibration
- continuing calibration
- calculation checks specified in USEPA guidelines
- analyte identification and quantitation

<u>LCS</u>

In the LCS associated with batch VMS8_201224A the percent recoveries of 4-methyl-2-pentanone (155), chloroethane (200), and chloromethane (61) were outside of the QC goals. The results for 4-methyl-2-pentanone and chloroethane were non-detect; no action required. The results for chloromethane were non-detect and the reporting limits were qualified estimated (UJ).

Qualified results are summarized in Table 3 with reason code LCSL.

MS/MSD

Sample ATR-OW2(53)-G121520 was submitted for MS/MSD analysis for this event. The majority of VOCs had recoveries within the QC goal of 70-130 percent. A subset of compounds had MS/MSD percent recoveries outside the QAPP specified control limits. The percent recoveries of 4-methyl-2-pentanone (152), bromomethane (563, 634), chloroethane (191, 199), and chloromethane (53, 58) were outside of QC goals. The results for 4-methyl-2-pentaone, bromomethane, and chloroethane in sample ATR-OW2(53)-G121520 were non detect; no action required. The result for chloromethane in sample ATR-OW2(53)-G121520 was non detect and the reporting limit was qualified preciously under the LCS criteria. The reporting limit was qualified estimated (UJ) and is included in Table 3 with reason code MSL.

Reference:

IDEM, 1998. “Guidance to the Performance and Presentation of Analytical Chemistry Data”; Indiana Department of Environmental Monitoring; Technical Waste Assessment, Rev. 1: July 16, 1998.

IDEM, 2012. “Remediation Closure Guide”; Office of Land Quality; Indiana Department of Environmental Management; March 22, 2012, with corrections through July 9, 2012.

AMEC, 2014. “Investigation Work Plan Former TORX Facility 4366 North Old US Rt. 31 Rochester, Indiana”; Appendix N QAPP – Groundwater Data Collection, Sampling, and Analyses; June 2014.

U.S. Environmental Protection Agency (USEPA), 1996. "Test Methods for Evaluating Solid Waste"; Laboratory Manual Physical/Chemical Methods; Office of Solid Waste and Emergency Response; Washington, DC; SW-846; November 1986; Revision 4 -December 1996.

U.S. Environmental Protection Agency (USEPA), 2017. "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Data Review"; Office of Emergency and Remedial Response; EPA-540-/R-2017-002; January 2017.

Data Validator: Wolfgang D. Calicchio

Date: February 10, 2021

Report Reviewed by: Chris Ricardi, NRCC_EAC

Date: February 15, 2021

TABLE 1 - SAMPLE AND ANALYSIS SUMMARY
DATA VALIDATION REPORT
DECEMBER 2020 GROUNDWATER SAMPLING
TEXTRON FORMER TORX FACILITY
ROCHESTER, INDIANA

SDG	Location	Field Sample ID	Date	Matrix	Lab Sample ID	Type	SW8260C VOC
20121650	MW-14	ATR-MW14-G121420	12/14/2020	GW	20121650-06A	FS	36
20121650	MW-17	ATR-MW17-G121520	12/15/2020	GW	20121650-16A	FS	36
20121650	MW-17	ATR-MW17-G121520R	12/15/2020	GW	20121650-17A	FD	36
20121650	MW-26(17.5)	ATR-MW26(17)-G121520	12/15/2020	GW	20121650-09A	FS	36
20121650	MW-26(28.8)	ATR-MW26(28.8)-G121520	12/15/2020	GW	20121650-10A	FS	36
20121650	MW-26(58.8)	ATR-MW26(58.2)-G121520	12/15/2020	GW	20121650-11A	FS	36
20121650	MW-27(18)	ATR-MW27(18)-G121420	12/14/2020	GW	20121650-02A	FS	36
20121650	MW-6C	ATR-MW6C-G121520	12/15/2020	GW	20121650-15A	FS	36
20121650	OW-01(39)	ATR-OW1(39)-G121420	12/14/2020	GW	20121650-07A	FS	36
20121650	OW-02(33)	ATR-OW2(33)-G121520	12/15/2020	GW	20121650-12A	FS	36
20121650	OW-02(53)	ATR-OW2(53)-G121520	12/15/2020	GW	20121650-13A	FS	36
20121650	OW-06(38)	ATR-OW6(38)-G121420	12/14/2020	GW	20121650-04A	FS	36
20121650	OW-06(63)	ATR-OW6(63)-G121420	12/14/2020	GW	20121650-05A	FS	36
20121650	QC	ATR-EB001-G121420	12/14/2020	BW	20121650-03A	EB	36
20121650	QC	ATR-EB001-G121520	12/15/2020	BW	20121650-14A	EB	36
20121650	QC	ATR-FB001-G121420	12/14/2020	BW	20121650-08A	FB	36
20121650	QC	Trip Blank	12/14/2020	BW	20121650-01A	TB	36

Notes:
BW = blank water
EB = equipment blank
FB = field blank
FD = field duplicate
FS = field sample
GW = groundwater
TB = trip blank

Prepared by: WCG 2/01/21
Checked by: WDC 2/08/21

TABLE 2 - QC LIMITS
DATA VALIDATION REPORT
DECEMBER 2020 GROUNDWATER SAMPLING
TEXTRON FORMER TORX FACILITY
ROCHESTER, INDIANA

PARAMETER	QC TEST	ANALYTE	WATER (%)	WATER RPD
Volatiles	**Surrogate**	All Surrogates(1)	85 - 115	
	LCS	All Target Compounds	70 - 130	
	MS/MSD	All Target Compounds	70 - 130	20(2)
	Field Duplicates	All Target Compounds		25(3)

Notes:
LCS - Laboratory Control Sample
MS/MSD - Matrix Spike/ Matrix Spike Duplicate
(1) Project-specific limits for surrogate recovery review/validation are established based on subcontract laboratory and Indiana Department of Environmental Management (IDEM) recommended control limits. The project limits are used for evaluation of recovery for all surrogates during data validation.
(2) Both results are > 5X the sample quantitation limit (SQL). For aqueous results < 5X the SQL use ± SQL value. For solid media (soil and sediment) use ± 2X SQL value.
(3) Both results are > 5X the SQL. For aqueous results < 5X the SQL use ± 1.5X SQL value. For solid media (soil and sediment) use ± 2.5X SQL value.

TABLE 3 - QUALIFICATION ACTIONS SUMMARY
DATA VALIDATION REPORT
DECMBER 2020 GROUNDWATER SAMPLING
TEXTRON FORMER TORX FACILITY
ROCHESTER, INDIANA

SDG	Analysis Method	Lab Sample ID	Sample Date	Field Sample ID	Parameter Name	Lab Result	Lab Qual	Final Result	Final Qual	Val Reason Code	Units
20121650	SW8260C	20121650-06A	12/14/2020	ATR-MW14-G121420	Chloromethane	1	U	1	UJ	LCSL	UG/L
20121650	SW8260C	20121650-16A	12/15/2020	ATR-MW17-G121520	Chloromethane	1	U	1	UJ	LCSL	UG/L
20121650	SW8260C	20121650-17A	12/15/2020	ATR-MW17-G121520R	Chloromethane	1	U	1	UJ	LCSL	UG/L
20121650	SW8260C	20121650-09A	12/15/2020	ATR-MW26(17)-G121520	Chloromethane	1	U	1	UJ	LCSL	UG/L
20121650	SW8260C	20121650-10A	12/15/2020	ATR-MW26(28.8)-G121520	Chloromethane	1	U	1	UJ	LCSL	UG/L
20121650	SW8260C	20121650-11A	12/15/2020	ATR-MW26(58.2)-G121520	Chloromethane	1	U	1	UJ	LCSL	UG/L
20121650	SW8260C	20121650-02A	12/14/2020	ATR-MW27(18)-G121420	Chloromethane	1	U	1	UJ	LCSL	UG/L
20121650	SW8260C	20121650-15A	12/15/2020	ATR-MW6C-G121520	Chloromethane	1	U	1	UJ	LCSL	UG/L
20121650	SW8260C	20121650-07A	12/14/2020	ATR-OW1(39)-G121420	Chloromethane	1	U	1	UJ	LCSL	UG/L
20121650	SW8260C	20121650-12A	12/15/2020	ATR-OW2(33)-G121520	Chloromethane	1	U	1	UJ	LCSL	UG/L
20121650	SW8260C	20121650-13A	12/15/2020	ATR-OW2(53)-G121520	Chloromethane	1	U	1	UJ	LCSL, MSL	UG/L
20121650	SW8260C	20121650-04A	12/14/2020	ATR-OW6(38)-G121420	Chloromethane	1	U	1	UJ	LCSL	UG/L
20121650	SW8260C	20121650-05A	12/14/2020	ATR-OW6(63)-G121420	Chloromethane	1	U	1	UJ	LCSL	UG/L

Notes:
LCSL = laboratory control sample recovery low
MSL = matrix spike recovery low
J = value is estimated
U = not detected, value is the detection limit
UG/L = microgram per liter

Prepared by: WCG 2/09/21
Checked by: WDC 2/10/21

TABLE 4 - FINAL RESULTS SUMMARY
DATA VALIDATION REPORT
DECEMBER 2020 GROUNDWATER SAMPLING
TEXTRON FORMER TORX FACILITY
ROCHESTER, INDIANA

		SDG:	20121650		20121650		20121650	
		Location:	MW-14		MW-17		MW-17	
		Date Collected:	12/14/2020		12/15/2020		12/15/2020	
		Field Sample ID:	ATR-MW14-G121420		ATR-MW17-G121520		ATR-MW17-G121520R	
		Type:	FS		FS		FD	
Method	**Unit**	**Parameter**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
SW8260C	UG/L	1,1,1-Trichloroethane	1	U	1	U	1	U
SW8260C	UG/L	1,1,2,2-Tetrachloroethane	1	U	1	U	1	U
SW8260C	UG/L	1,1,2-Trichloroethane	1	U	1	U	1	U
SW8260C	UG/L	1,1-Dichloroethane	1	U	1	U	1	U
SW8260C	UG/L	1,1-Dichloroethene	1	U	1	U	1	U
SW8260C	UG/L	1,2-Dichloroethane	1	U	1	U	1	U
SW8260C	UG/L	1,2-Dichloropropane	1	U	1	U	1	U
SW8260C	UG/L	2-Butanone	5	U	5	U	5	U
SW8260C	UG/L	2-Hexanone	5	U	5	U	5	U
SW8260C	UG/L	4-Methyl-2-pentanone	1	U	1	U	1	U
SW8260C	UG/L	Acetone	10	U	10	U	10	U
SW8260C	UG/L	Benzene	1	U	1	U	1	U
SW8260C	UG/L	Bromodichloromethane	1	U	1	U	1	U
SW8260C	UG/L	Bromoform	1	U	1	U	1	U
SW8260C	UG/L	Bromomethane	1	U	1	U	1	U
SW8260C	UG/L	Carbon disulfide	1	U	1	U	1	U
SW8260C	UG/L	Carbon tetrachloride	1	U	1	U	1	U
SW8260C	UG/L	Chlorobenzene	1	U	1	U	1	U
SW8260C	UG/L	Chloroethane	1	U	1	U	1	U
SW8260C	UG/L	Chloroform	1	U	1	U	1	U
SW8260C	UG/L	Chloromethane	1	UJ	1	UJ	1	UJ
SW8260C	UG/L	cis-1,2-Dichloroethene	1.6		16		16	
SW8260C	UG/L	cis-1,3-Dichloropropene	1	U	1	U	1	U
SW8260C	UG/L	Dibromochloromethane	1	U	1	U	1	U
SW8260C	UG/L	Ethylbenzene	1	U	1	U	1	U
SW8260C	UG/L	Methylene chloride	5	U	5	U	5	U
SW8260C	UG/L	Styrene	1	U	1	U	1	U
SW8260C	UG/L	Tetrachloroethene	1	U	1	U	1	U
SW8260C	UG/L	Toluene	1	U	1	U	1	U
SW8260C	UG/L	trans-1,2-Dichloroethene	1	U	1	U	1	U
SW8260C	UG/L	trans-1,3-Dichloropropene	1	U	1	U	1	U
SW8260C	UG/L	Trichloroethene	1	U	21		22	
SW8260C	UG/L	Vinyl chloride	3.7		2.4		2.3	
SW8260C	UG/L	Xylene, o	1	U	1	U	1	U
SW8260C	UG/L	Xylenes (m&p)	2	U	2	U	2	U
SW8260C	UG/L	Xylenes, Total	3	U	3	U	3	U

Notes:
U = not detected, value is the detection limit
J = value is estimated
UG/L = microgram per liter
EB = Equipment Blank
FB = Field Blank
FS = Field Sample
FD = Field Duplicate
TB = Trip Blank

Prepared by: WCG 2/09/21
Checked by: WDC 2/10/21

TABLE 4 - FINAL RESULTS SUMMARY
DATA VALIDATION REPORT
DECEMBER 2020 GROUNDWATER SAMPLING
TEXTRON FORMER TORX FACILITY
ROCHESTER, INDIANA

		SDG:	20121650		20121650		20121650	
		Location:	MW-26(17.5)		MW-26(28.8)		MW-26(58.8)	
		Date Collected:	12/15/2020		12/15/2020		12/15/2020	
		Field Sample ID:	ATR-MW26(17)-G121520		ATR-MW26(28.8)-G121520		ATR-MW26(58.2)-G121520	
		Type:	FS		FS		FS	
Method	**Unit**	**Parameter**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
SW8260C	UG/L	1,1,1-Trichloroethane	1	U	1	U	1	U
SW8260C	UG/L	1,1,2,2-Tetrachloroethane	1	U	1	U	1	U
SW8260C	UG/L	1,1,2-Trichloroethane	1	U	1	U	1	U
SW8260C	UG/L	1,1-Dichloroethane	1	U	1	U	1	U
SW8260C	UG/L	1,1-Dichloroethene	1	U	1	U	1	U
SW8260C	UG/L	1,2-Dichloroethane	1	U	1	U	1	U
SW8260C	UG/L	1,2-Dichloropropane	1	U	1	U	1	U
SW8260C	UG/L	2-Butanone	5	U	5	U	5	U
SW8260C	UG/L	2-Hexanone	5	U	5	U	5	U
SW8260C	UG/L	4-Methyl-2-pentanone	1	U	1	U	1	U
SW8260C	UG/L	Acetone	10	U	10	U	10	U
SW8260C	UG/L	Benzene	1	U	1	U	1	U
SW8260C	UG/L	Bromodichloromethane	1	U	1	U	1	U
SW8260C	UG/L	Bromoform	1	U	1	U	1	U
SW8260C	UG/L	Bromomethane	1	U	1	U	1	U
SW8260C	UG/L	Carbon disulfide	1	U	1	U	1	U
SW8260C	UG/L	Carbon tetrachloride	1	U	1	U	1	U
SW8260C	UG/L	Chlorobenzene	1	U	1	U	1	U
SW8260C	UG/L	Chloroethane	1	U	1	U	1	U
SW8260C	UG/L	Chloroform	1	U	1	U	1	U
SW8260C	UG/L	Chloromethane	1	UJ	1	UJ	1	UJ
SW8260C	UG/L	cis-1,2-Dichloroethene	1	U	1	U	1	U
SW8260C	UG/L	cis-1,3-Dichloropropene	1	U	1	U	1	U
SW8260C	UG/L	Dibromochloromethane	1	U	1	U	1	U
SW8260C	UG/L	Ethylbenzene	1	U	1	U	1	U
SW8260C	UG/L	Methylene chloride	5	U	5	U	5	U
SW8260C	UG/L	Styrene	1	U	1	U	1	U
SW8260C	UG/L	Tetrachloroethene	1	U	1	U	1	U
SW8260C	UG/L	Toluene	1	U	1	U	1	U
SW8260C	UG/L	trans-1,2-Dichloroethene	1	U	1	U	1	U
SW8260C	UG/L	trans-1,3-Dichloropropene	1	U	1	U	1	U
SW8260C	UG/L	Trichloroethene	1	U	1	U	1	U
SW8260C	UG/L	Vinyl chloride	1	U	1	U	1	U
SW8260C	UG/L	Xylene, o	1	U	1	U	1	U
SW8260C	UG/L	Xylenes (m&p)	2	U	2	U	2	U
SW8260C	UG/L	Xylenes, Total	3	U	3	U	3	U

Notes:
U = not detected, value is the detection limit
J = value is estimated
UG/L = microgram per liter
EB = Equipment Blank
FB = Field Blank
FS = Field Sample
FD = Field Duplicate
TB = Trip Blank

TABLE 4 - FINAL RESULTS SUMMARY
DATA VALIDATION REPORT
DECEMBER 2020 GROUNDWATER SAMPLING
TEXTRON FORMER TORX FACILITY
ROCHESTER, INDIANA

		SDG:	20121650		20121650		20121650	
		Location:	MW-27(18)		MW-6C		OW-01(39)	
		Date Collected:	12/14/2020		12/15/2020		12/14/2020	
		Field Sample ID:	ATR-MW27(18)-G121420		ATR-MW6C-G121520		ATR-OW1(39)-G121420	
		Type:	FS		FS		FS	
Method	Unit	Parameter	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8260C	UG/L	1,1,1-Trichloroethane	1	U	1	U	1	U
SW8260C	UG/L	1,1,2,2-Tetrachloroethane	1	U	1	U	1	U
SW8260C	UG/L	1,1,2-Trichloroethane	1	U	1	U	1	U
SW8260C	UG/L	1,1-Dichloroethane	1	U	1	U	1	U
SW8260C	UG/L	1,1-Dichloroethene	1	U	1	U	1	U
SW8260C	UG/L	1,2-Dichloroethane	1	U	1	U	1	U
SW8260C	UG/L	1,2-Dichloropropane	1	U	1	U	1	U
SW8260C	UG/L	2-Butanone	5	U	5	U	5	U
SW8260C	UG/L	2-Hexanone	5	U	5	U	5	U
SW8260C	UG/L	4-Methyl-2-pentanone	1	U	1	U	1	U
SW8260C	UG/L	Acetone	10	U	10	U	10	U
SW8260C	UG/L	Benzene	1	U	1	U	1	U
SW8260C	UG/L	Bromodichloromethane	1	U	1	U	1	U
SW8260C	UG/L	Bromoform	1	U	1	U	1	U
SW8260C	UG/L	Bromomethane	1	U	1	U	1	U
SW8260C	UG/L	Carbon disulfide	1	U	1	U	1	U
SW8260C	UG/L	Carbon tetrachloride	1	U	1	U	1	U
SW8260C	UG/L	Chlorobenzene	1	U	1	U	1	U
SW8260C	UG/L	Chloroethane	1	U	1	U	1	U
SW8260C	UG/L	Chloroform	1	U	1	U	1	U
SW8260C	UG/L	Chloromethane	1	UJ	1	UJ	1	UJ
SW8260C	UG/L	cis-1,2-Dichloroethene	1	U	1.5		1	U
SW8260C	UG/L	cis-1,3-Dichloropropene	1	U	1	U	1	U
SW8260C	UG/L	Dibromochloromethane	1	U	1	U	1	U
SW8260C	UG/L	Ethylbenzene	1	U	1	U	1	U
SW8260C	UG/L	Methylene chloride	5	U	5	U	5	U
SW8260C	UG/L	Styrene	1	U	1	U	1	U
SW8260C	UG/L	Tetrachloroethene	1	U	1	U	1	U
SW8260C	UG/L	Toluene	1	U	1	U	1	U
SW8260C	UG/L	trans-1,2-Dichloroethene	1	U	1	U	1	U
SW8260C	UG/L	trans-1,3-Dichloropropene	1	U	1	U	1	U
SW8260C	UG/L	Trichloroethene	1	U	1	U	1	U
SW8260C	UG/L	Vinyl chloride	1	U	2		1	U
SW8260C	UG/L	Xylene, o	1	U	1	U	1	U
SW8260C	UG/L	Xylenes (m&p)	2	U	2	U	2	U
SW8260C	UG/L	Xylenes, Total	3	U	3	U	3	U

Notes:
U = not detected, value is the detection limit
J = value is estimated
UG/L = microgram per liter
EB = Equipment Blank
FB = Field Blank
FS = Field Sample
FD = Field Duplicate
TB = Trip Blank

Prepared by: WCG 2/09/21
Checked by: WDC 2/10/21

TABLE 4 - FINAL RESULTS SUMMARY
DATA VALIDATION REPORT
DECEMBER 2020 GROUNDWATER SAMPLING
TEXTRON FORMER TORX FACILITY
ROCHESTER, INDIANA

		SDG:	20121650		20121650		20121650	
		Location:	OW-02(33)		OW-02(53)		OW-06(38)	
		Date Collected:	12/15/2020		12/15/2020		12/14/2020	
		Field Sample ID:	ATR-OW2(33)-G121520		ATR-OW2(53)-G121520		ATR-OW6(38)-G121420	
		Type:	FS		FS		FS	
Method	Unit	Parameter	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8260C	UG/L	1,1,1-Trichloroethane	1	U	1	U	1	U
SW8260C	UG/L	1,1,2,2-Tetrachloroethane	1	U	1	U	1	U
SW8260C	UG/L	1,1,2-Trichloroethane	1	U	1	U	1	U
SW8260C	UG/L	1,1-Dichloroethane	1	U	1	U	1	U
SW8260C	UG/L	1,1-Dichloroethene	1	U	1	U	1	U
SW8260C	UG/L	1,2-Dichloroethane	1	U	1	U	1	U
SW8260C	UG/L	1,2-Dichloropropane	1	U	1	U	1	U
SW8260C	UG/L	2-Butanone	5	U	5	U	5	U
SW8260C	UG/L	2-Hexanone	5	U	5	U	5	U
SW8260C	UG/L	4-Methyl-2-pentanone	1	U	1	U	1	U
SW8260C	UG/L	Acetone	10	U	10	U	10	U
SW8260C	UG/L	Benzene	1	U	1	U	1	U
SW8260C	UG/L	Bromodichloromethane	1	U	1	U	1	U
SW8260C	UG/L	Bromoform	1	U	1	U	1	U
SW8260C	UG/L	Bromomethane	1	U	1	U	1	U
SW8260C	UG/L	Carbon disulfide	1	U	1	U	1	U
SW8260C	UG/L	Carbon tetrachloride	1	U	1	U	1	U
SW8260C	UG/L	Chlorobenzene	1	U	1	U	1	U
SW8260C	UG/L	Chloroethane	1	U	1	U	1	U
SW8260C	UG/L	Chloroform	1	U	1	U	1	U
SW8260C	UG/L	Chloromethane	1	UJ	1	UJ	1	UJ
SW8260C	UG/L	cis-1,2-Dichloroethene	1	U	1	U	1	U
SW8260C	UG/L	cis-1,3-Dichloropropene	1	U	1	U	1	U
SW8260C	UG/L	Dibromochloromethane	1	U	1	U	1	U
SW8260C	UG/L	Ethylbenzene	1	U	1	U	1	U
SW8260C	UG/L	Methylene chloride	5	U	5	U	5	U
SW8260C	UG/L	Styrene	1	U	1	U	1	U
SW8260C	UG/L	Tetrachloroethene	1	U	1	U	1	U
SW8260C	UG/L	Toluene	1	U	1	U	1	U
SW8260C	UG/L	trans-1,2-Dichloroethene	1	U	1	U	1	U
SW8260C	UG/L	trans-1,3-Dichloropropene	1	U	1	U	1	U
SW8260C	UG/L	Trichloroethene	1	U	1	U	1	U
SW8260C	UG/L	Vinyl chloride	1	U	1	U	1	U
SW8260C	UG/L	Xylene, o	1	U	1	U	1	U
SW8260C	UG/L	Xylenes (m&p)	2	U	2	U	2	U
SW8260C	UG/L	Xylenes, Total	3	U	3	U	3	U

Notes:
U = not detected, value is the detection limit
J = value is estimated
UG/L = microgram per liter
EB = Equipment Blank
FB = Field Blank
FS = Field Sample
FD = Field Duplicate
TB = Trip Blank

Prepared by: WCG 2/09/21
Checked by: WDC 2/10/21

TABLE 4 - FINAL RESULTS SUMMARY
DATA VALIDATION REPORT
DECEMBER 2020 GROUNDWATER SAMPLING
TEXTRON FORMER TORX FACILITY
ROCHESTER, INDIANA

		SDG:	20121650		20121650		20121650	
		Location:	OW-06(63)		QC		QC	
		Date Collected:	12/14/2020		12/14/2020		12/14/2020	
		Field Sample ID:	ATR-OW6(63)-G121420		Trip Blank		ATR-EB001-G121420	
		Type:	FS		TB		EB	
Method	**Unit**	**Parameter**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
SW8260C	UG/L	1,1,1-Trichloroethane	1	U	1	U	1	U
SW8260C	UG/L	1,1,2,2-Tetrachloroethane	1	U	1	U	1	U
SW8260C	UG/L	1,1,2-Trichloroethane	1	U	1	U	1	U
SW8260C	UG/L	1,1-Dichloroethane	1	U	1	U	1	U
SW8260C	UG/L	1,1-Dichloroethene	1	U	1	U	1	U
SW8260C	UG/L	1,2-Dichloroethane	1	U	1	U	1	U
SW8260C	UG/L	1,2-Dichloropropane	1	U	1	U	1	U
SW8260C	UG/L	2-Butanone	5	U	5	U	5	U
SW8260C	UG/L	2-Hexanone	5	U	5	U	5	U
SW8260C	UG/L	4-Methyl-2-pentanone	1	U	1	U	1	U
SW8260C	UG/L	Acetone	10	U	10	U	10	U
SW8260C	UG/L	Benzene	1	U	1	U	1	U
SW8260C	UG/L	Bromodichloromethane	1	U	1	U	1	U
SW8260C	UG/L	Bromoform	1	U	1	U	1	U
SW8260C	UG/L	Bromomethane	1	U	1	U	1	U
SW8260C	UG/L	Carbon disulfide	1	U	1	U	1	U
SW8260C	UG/L	Carbon tetrachloride	1	U	1	U	1	U
SW8260C	UG/L	Chlorobenzene	1	U	1	U	1	U
SW8260C	UG/L	Chloroethane	1	U	1	U	1	U
SW8260C	UG/L	Chloroform	1	U	1	U	1	U
SW8260C	UG/L	Chloromethane	1	UJ	1	U	1	U
SW8260C	UG/L	cis-1,2-Dichloroethene	1	U	1	U	1	U
SW8260C	UG/L	cis-1,3-Dichloropropene	1	U	1	U	1	U
SW8260C	UG/L	Dibromochloromethane	1	U	1	U	1	U
SW8260C	UG/L	Ethylbenzene	1	U	1	U	1	U
SW8260C	UG/L	Methylene chloride	5	U	5	U	5	U
SW8260C	UG/L	Styrene	1	U	1	U	1	U
SW8260C	UG/L	Tetrachloroethene	1	U	1	U	1	U
SW8260C	UG/L	Toluene	1	U	1	U	1	U
SW8260C	UG/L	trans-1,2-Dichloroethene	1	U	1	U	1	U
SW8260C	UG/L	trans-1,3-Dichloropropene	1	U	1	U	1	U
SW8260C	UG/L	Trichloroethene	1	U	1	U	1	U
SW8260C	UG/L	Vinyl chloride	1	U	1	U	1	U
SW8260C	UG/L	Xylene, o	1	U	1	U	1	U
SW8260C	UG/L	Xylenes (m&p)	2	U	2	U	2	U
SW8260C	UG/L	Xylenes, Total	3	U	3	U	3	U

Notes:
U = not detected, value is the detection limit
J = value is estimated
UG/L = microgram per liter
EB = Equipment Blank
FB = Field Blank
FS = Field Sample
FD = Field Duplicate
TB = Trip Blank

TABLE 4 - FINAL RESULTS SUMMARY
DATA VALIDATION REPORT
DECEMBER 2020 GROUNDWATER SAMPLING
TEXTRON FORMER TORX FACILITY
ROCHESTER, INDIANA

		SDG:	20121650		20121650	
		Location:	QC		QC	
		Date Collected:	12/14/2020		12/15/2020	
		Field Sample ID:	ATR-FB001-G121420		ATR-EB001-G121520	
		Type:	FB		EB	
Method	Unit	Parameter	Result	Qualifier	Result	Qualifier
SW8260C	UG/L	1,1,1-Trichloroethane	1	U	1	U
SW8260C	UG/L	1,1,2,2-Tetrachloroethane	1	U	1	U
SW8260C	UG/L	1,1,2-Trichloroethane	1	U	1	U
SW8260C	UG/L	1,1-Dichloroethane	1	U	1	U
SW8260C	UG/L	1,1-Dichloroethene	1	U	1	U
SW8260C	UG/L	1,2-Dichloroethane	1	U	1	U
SW8260C	UG/L	1,2-Dichloropropane	1	U	1	U
SW8260C	UG/L	2-Butanone	5	U	5	U
SW8260C	UG/L	2-Hexanone	5	U	5	U
SW8260C	UG/L	4-Methyl-2-pentanone	1	U	1	U
SW8260C	UG/L	Acetone	10	U	10	U
SW8260C	UG/L	Benzene	1	U	1	U
SW8260C	UG/L	Bromodichloromethane	1	U	1	U
SW8260C	UG/L	Bromoform	1	U	1	U
SW8260C	UG/L	Bromomethane	1	U	1	U
SW8260C	UG/L	Carbon disulfide	1	U	1	U
SW8260C	UG/L	Carbon tetrachloride	1	U	1	U
SW8260C	UG/L	Chlorobenzene	1	U	1	U
SW8260C	UG/L	Chloroethane	1	U	1	U
SW8260C	UG/L	Chloroform	1	U	1	U
SW8260C	UG/L	Chloromethane	1	U	1	U
SW8260C	UG/L	cis-1,2-Dichloroethene	1	U	1	U
SW8260C	UG/L	cis-1,3-Dichloropropene	1	U	1	U
SW8260C	UG/L	Dibromochloromethane	1	U	1	U
SW8260C	UG/L	Ethylbenzene	1	U	1	U
SW8260C	UG/L	Methylene chloride	5	U	5	U
SW8260C	UG/L	Styrene	1	U	1	U
SW8260C	UG/L	Tetrachloroethene	1	U	1	U
SW8260C	UG/L	Toluene	1	U	1	U
SW8260C	UG/L	trans-1,2-Dichloroethene	1	U	1	U
SW8260C	UG/L	trans-1,3-Dichloropropene	1	U	1	U
SW8260C	UG/L	Trichloroethene	1	U	1	U
SW8260C	UG/L	Vinyl chloride	1	U	1	U
SW8260C	UG/L	Xylene, o	1	U	1	U
SW8260C	UG/L	Xylenes (m&p)	2	U	2	U
SW8260C	UG/L	Xylenes, Total	3	U	3	U

Notes:
U = not detected, value is the detection limit
J = value is estimated
UG/L = microgram per liter
EB = Equipment Blank
FB = Field Blank
FS = Field Sample
FD = Field Duplicate
TB = Trip Blank

Prepared by: WCG 2/09/21
Checked by: WDC 2/10/21