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29 October 2020

Mr. Joshua Keller
Environmental Manager
Indiana Department of Environmental Management
100 North Senate Ave.
Indianapolis, IN 46204-2251

RE: Report of the Sixth 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 Sixth 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 sixth groundwater stability assessment monitoring event, which occurred in June 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 current total contaminant mass values indicate a stable plume condition.

The seventh groundwater stability assessment monitoring event was completed at the Site in conjunction with the annual groundwater monitoring event during mid-September 2020. 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 SIXTH 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

October 2020

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
TCE	trichloroethene
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 sixth 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 has been 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 has been 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 sixth groundwater stability assessment monitoring event that has been conducted at the Site following completion of the full-scale remediation and the performance monitoring phase. Details of the first five groundwater stability assessment monitoring events and the 2019 annual groundwater monitoring event are provided in reports on file with IDEM.

3.0 GROUNDWATER STABILITY ASSESSMENT MONITORING

Wood conducted the sixth quarterly groundwater stability assessment monitoring event at the Site during 16 and 17 June 2020. The groundwater stability assessment monitoring well locations are shown on **Figure 3**.

3.1 Scope of Work

As part of the sixth 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 16 June 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 on **Table 1**, between 16 and 17 June 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 on **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. Field blanks were collected by pouring deionized water into the sampling container. Trip blanks were prepared by the laboratory and accompanied each shipment of VOC samples during transport.

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 the previous groundwater stability assessment monitoring events in February

2019, May 2019, August 2019, November 2019 and February 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 June 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 mass 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 sixth stability assessment monitoring event. The total contaminant mass of messenger well MW-14 has increased slightly since the February 2020 sampling event as well as the baseline event; however, the individual COC concentrations are at or below their respective IDEM screening levels. The total contaminant mass in downgradient wells OW-6(38) and OW-6(63), has continued to remain at zero for the six stability assessment monitoring events. The preceding facts indicate an overall stable plume situation. Additional analysis of the stability monitoring data will be completed once a statistically significant number of Stability Assessment data points are obtained after the eighth-stability monitoring event.

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 6.1 micrograms per liter (µg/L) in February of 2020 to 7.0 µg/L in June 2020, while vinyl chloride decreased from 6.0 µg/L in February of 2020 to 4.1 µg/L in June 2020. In messenger well MW-14, cis-1,2-DCE increased from non-detect in February 2020 to 2.0 µg/L in June 2020, while vinyl chloride increased from 1.4 µg/L to 2.0 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 increased from 15 µg/L in February of 2020 to 22 µg/L (primary and duplicate) in June of 2020; trichloroethene (TCE) decreased from 27 µg/L in February of 2020 to 17 µg/L (primary and duplicate) in June of 2020; and vinyl chloride increased from 3.4 µg/L in February of 2020 to 3.6 µg/L (primary) and 3.8 µg/L (duplicate) in June of 2020. In MW-17 both TCE and the total contaminant mass are at their lowest values since the baseline event.

CVOCs were not detected at the down gradient wells [OW-6(38) and OW-6(63)], as has been the case during all 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 vinyl chloride concentration detected in groundwater sample ATR-MW-6C-061620 was qualified as an estimated concentration due to MS/MSD percent recoveries outside of the QAPP specified control limits.

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. VOCs were not detected in the equipment blank samples, field blank sample, or the trip blank samples.

5.0 UPCOMING ACTIVITES

The total contaminant mass values at the stability monitoring wells indicate a stable and/or decreasing plume condition. Based on the total contaminant mass value for the stability monitoring wells when compared to pre-remediation values, the contaminant plume has decreased dramatically. The statistical analysis of the stability groundwater monitoring data will be completed after the eighth stability monitoring event has been implemented.

The seventh stability monitoring event was conducted in conjunction with the annual groundwater monitoring event during September 2020.

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
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
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
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
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
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
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

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-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
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
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
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
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
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
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
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

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-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
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
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
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
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
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
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
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

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-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
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
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
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
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
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
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

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	06/16/20	840.48	37.61	802.87
MW-3	06/16/20	805.45	19.52	785.93
MW-5	06/16/20	807.89	25.95	781.94
MW-6C	06/16/20	810.40	24.66	785.74
MW-9C	06/16/20	808.16	22.42	785.74
MW-12	06/16/20	808.46	22.78	785.68
MW-13	06/16/20	806.67	21.00	785.67
MW-14	06/16/20	802.70	17.24	785.46
MW-16	06/16/20	791.18	8.40	782.78
MW-17	06/16/20	784.41	1.97	782.44
MW-20(35)	06/16/20	810.42	24.59	785.83
MW-21(40.2)	06/16/20	810.33	24.80	785.53
MW-23(39.9)	06/16/20	816.67	30.63	786.04
MW-24(24.9)	06/16/20	804.92	19.49	785.43
MW-25(16.4)	06/16/20	791.93	7.01	784.92
MW-26(17.5)	06/16/20	792.16	9.45	782.71
MW-27(18)	06/16/20	785.82	3.43	782.39
MW-30(41.1)	06/16/20	794.57	18.29	776.28
MW-31(30.9)	06/16/20	781.48	7.51	773.97
MW-53(41)	06/16/20	809.87	23.92	785.95
MW-57(38)	06/16/20	795.51	7.35	788.16
MW-59(29)	06/16/20	799.57	13.52	786.05
MW-60(38)	06/16/20	798.51	12.27	786.24
MW-62(36)	06/16/20	810.71	24.97	785.74
MW-65(32)	06/16/20	809.40	23.61	785.79
MW-67(30)	06/16/20	809.53	23.62	785.91
MW-68(32)	06/16/20	809.46	23.57	785.89
MW-71(33)	06/16/20	809.15	23.20	785.95
MW-72(32)	06/16/20	808.92	23.04	785.88
MW-75(32)	06/16/20	809.39	23.66	785.73
MW-76(30)	06/16/20	809.28	23.36	785.92
MW-77(41)	06/16/20	809.39	23.59	785.80
MW-78(35)	06/16/20	809.30	28.53	780.77
MW-79(30)	06/16/20	809.26	23.44	785.82
MW-81(27)	06/16/20	798.34	12.02	786.32
MW-84(44)	06/16/20	824.91	39.53	785.38
MW-85(39)	06/16/20	796.49	11.05	785.44
MW-89(28)	06/16/20	797.77	11.76	786.01
OW-1(28)	06/16/20	805.18	19.52	785.66
OW-2(33)	06/16/20	805.54	20.01	785.53
OW-3(35)	06/16/20	801.72	16.40	785.32
OW-4(35)	06/16/20	801.35	16.49	784.86
OW-5(16)	06/16/20	790.72	7.77	782.95
OW-6(38)	06/16/20	789.27	7.62	781.65
PM-2	06/16/20	798.45	12.05	786.40
PM-3	06/16/20	808.40	24.26	784.14
ZVI-2(17.5)	06/16/20	791.17	8.55	782.62

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	06/16/20	808.07	22.50	785.57
MW-15	06/16/20	792.90	8.28	784.62
MW-19(53)	06/16/20	809.56	23.75	785.81
MW-20(51)	06/16/20	810.41	24.67	785.74
MW-24(55.4)	06/16/20	804.94	19.49	785.45
MW-25(45.2)	06/16/20	791.91	7.31	784.60
MW-26(58.2)	06/16/20	792.17	8.77	783.40
MW-27(53.05)	06/16/20	785.84	2.46	783.38
MW-29(82.5)	06/16/20	801.45	23.64	777.81
MW-31(55.5)	06/16/20	781.47	7.95	773.52
MW-52(55)	06/16/20	798.84	13.50	785.34
MW-55(49)	06/16/20	799.24	12.10	787.14
MW-56(50)	06/16/20	797.23	10.30	786.93
MW-82(58)	06/16/20	807.38	21.69	785.69
MW-83(64)	06/16/20	807.67	22.04	785.63
MW-84(65)	06/16/20	824.56	39.38	785.18
OW-1(39)	06/16/20	805.15	19.52	785.63
OW-2(53)	06/16/20	805.50	19.98	785.52
OW-3(55)	06/16/20	801.66	16.35	785.31
OW-4(54)	06/16/20	801.33	16.40	784.93
OW-5(35)	06/16/20	790.76	6.80	783.96
OW-6(63)	06/16/20	789.27	7.07	782.20
ZVI-2(32.5)	06/16/20	791.19	8.42	782.77

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: RED
Checked By: RLB

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
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
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
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
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
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
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
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
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
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
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

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
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
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
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
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
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
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
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
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
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
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
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

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-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
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
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
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
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
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
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
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

(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: RED
Checked By: RLB

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(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-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
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-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
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**

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 A	*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-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
	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
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**
	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

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 B	*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-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(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
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
	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(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
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**

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-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(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(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-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(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(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

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
	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(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(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-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

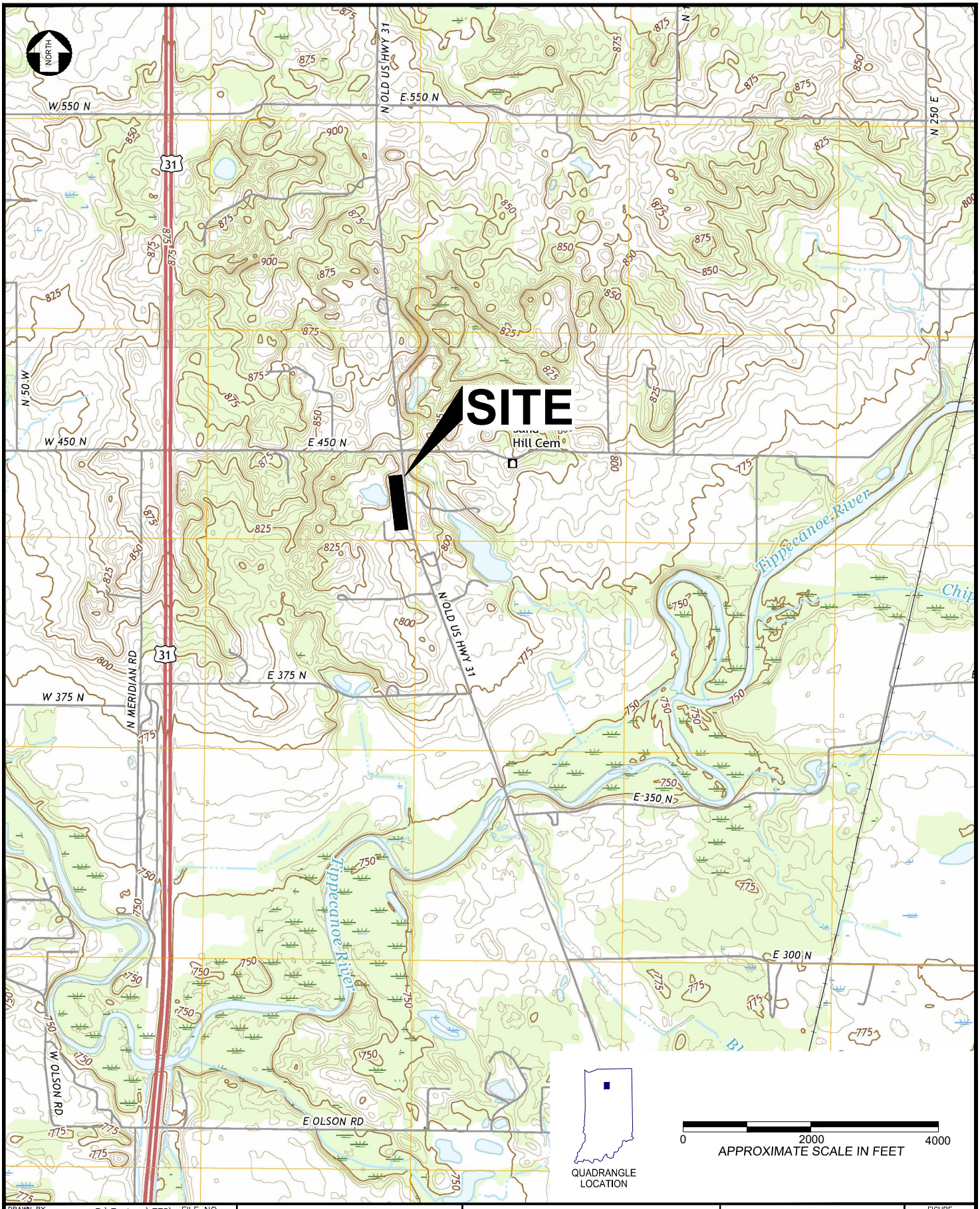
Table 3
Summary of Target VOC Concentrations and Contaminant Mass - Stability Monitoring Wells
TORX Facility, 4366 North Old US Highway 31, Rochester, Indiana

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

Notes:
J - Estimated concentration, analyte detected below quantitation limit
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: RED
Checked by: RLB

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: 08/18/2020	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-60 MW-80 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 08/18/2020
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

NORTH

4403

4377

WESTERN POND

EASTERN POND

STORAGE BUILDING

STORAGE BUILDING

STORAGE BUILDING

IN-SITU CHEMICAL REDUCTION ZONE

SOURCE AREA TREATMENT ZONE

DOWNGRADIENT TREATMENT ZONE

TREATMENT ZONE A

TREATMENT ZONE B

TREATMENT ZONE C

TREATMENT ZONE D

MW-8
MW-43
MW-19
MW-55
MW-56
MW-65
MW-89(28)
MW-81(27)
INJ-2
PM-2
PM-3
MW-59(46)
MW-59(29)
MW-52
MW-60
MW-76
MW-67
MW-68(32)
MW-78
MW-77
MW-71
MW-72(32)
MW-61
MW-3
MW-79
MW-62
MW-20(51)
MW-6C
MW-6B
MW-41
MW-12
MW-82(58)
MW-13
OW-1(39)
OW-2(33)
OW-2(53)
MW-24
MW-14
OW-3(35)
OW-3(55)
MW-11
MW-83
MW-15
OW-4(35)
OW-4(54)
MW-25(16.4)
MW-25(32.6)
MW-25(82)
MW-75
MW-9A
MW-9B
MW-9C
MW-84(65)
MW-84(44)
OW-5(16)
OW-5(35)
OW-5(44)
MW-27(18)
MW-16
MW-26(17.5)
MW-26(28.8)
MW-26(58.2)
ZVI-1
ZVI-2
MW-17
MW-45
MW-21
OW-6(38)
OW-6(63)

N OLD US HIGHWAY 31

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

0 80 160

APPROXIMATE SCALE IN FEET

DRAWN BY: RLB

P:\Textron\TFS\ FILE NO. Drawings\Stability MWs.dwg

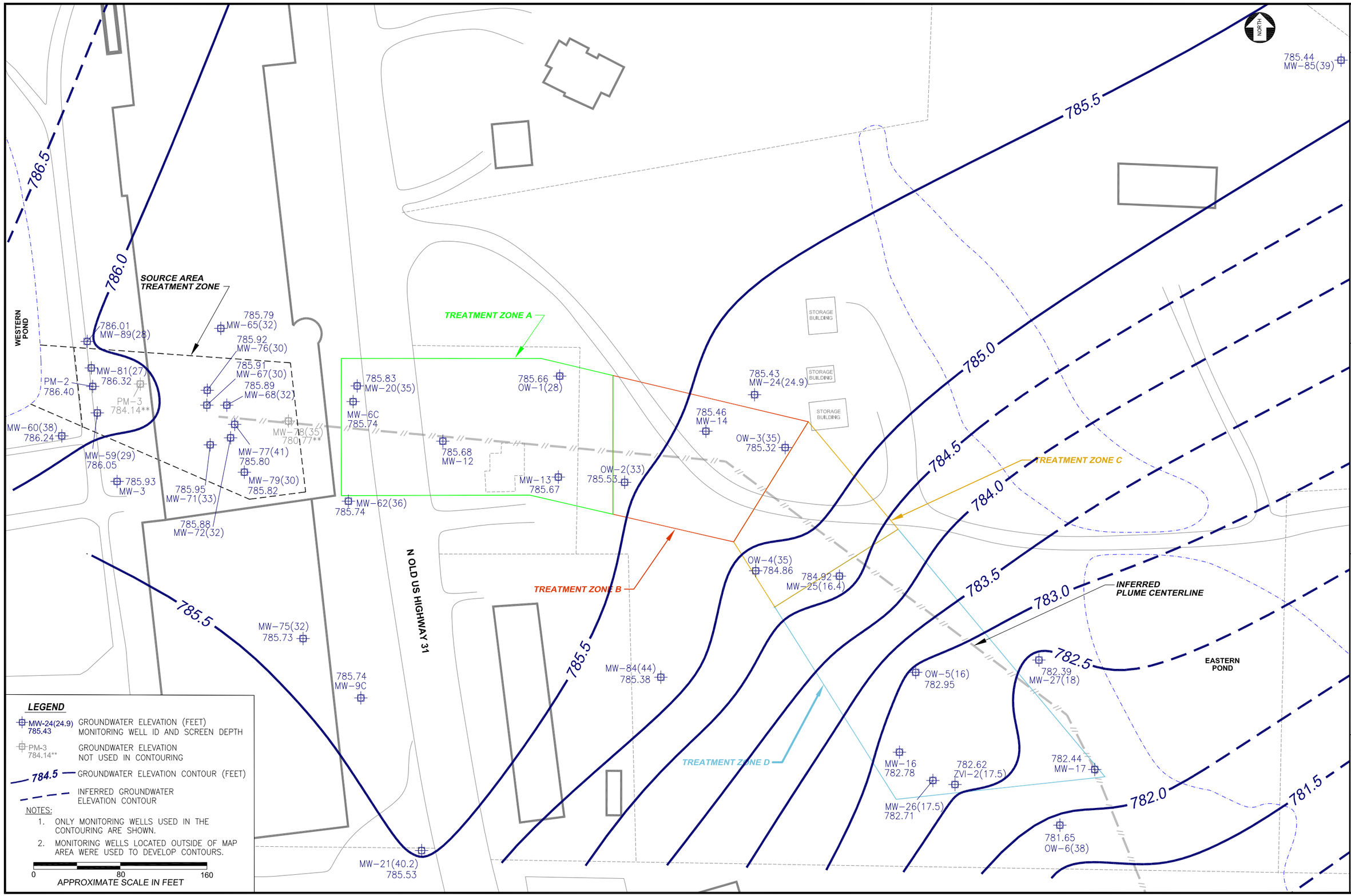
APPROVED BY: RED/PJS

DATE: 08/18/2020

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

PROJECT NO. 3359 15 1040

SCALE: SEE ABOVE



LEGEND

- MW-24(24.9) 785.43 — GROUNDWATER ELEVATION (FEET) MONITORING WELL ID AND SCREEN DEPTH
- PM-3 784.14** — GROUNDWATER ELEVATION NOT USED IN CONTOURING
- 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

FIGURE 4

SHEET 1 of 1

GROUNDWATER CONTOUR MAP
SHALLOW OVERBURDEN WELLS
SOURCE TREATMENT AREA
16 June 2020

wood.

TORX FACILITY
4366 NORTH OLD US HIGHWAY 31
ROCHESTER, INDIANA

DRAWN BY	FILE NO.
RLB	P:\Textron\TFS\Drawings\GW Contours 2018 RA.dwg
APPROVED BY	DATE
RED/PJS	10/29/2020
Source Wells surveyed by Territorial Engineering, Fulton County, IN OS, 2005.	
PROJECT NO.	SCALE
3359 15 1040	SEE ABOVE

MW-19(53)
785.81

MW-55(49)
787.14

787.0

786.5

786.0

786.93
MW-56(50)

SOURCE AREA
TREATMENT ZONE

WESTERN
POND

TREATMENT ZONE A

785.74
MW-20(51)

OW-1(39)
785.63

785.34
MW-52(55)

785.5

785.69
MW-82(58)

OW-2(53)
785.52

785.63
MW-83(64)

N OLD US HIGHWAY 31

TREATMENT ZONE B

785.5

785.57
MW-9B

MW-84(65)
785.18

785.0

784.5

784.0

STORAGE
BUILDING

STORAGE
BUILDING

STORAGE
BUILDING

785.45
MW-24(55.4)

OW-3(55)
785.31

TREATMENT ZONE C

MW-15
784.62

OW-4(54)
784.93

MW-25(45.2)
784.60

INFERRED
PLUME CENTERLINE

MW-27(53.05)
783.38

OW-5(35)
783.96

EASTERN
POND

783.5

783.0

782.5

782.0

781.5

TREATMENT ZONE D

ZVI-2(32.5)
782.77

MW-26(58.2)
783.40

OW-6(63)
782.20

LEGEND

MW-20(51) 785.74 — 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

NORTH

FIGURE 5

SHEET 1 of 1

GROUNDWATER CONTOUR MAP
INTERMEDIATE OVERBURDEN WELLS
SOURCE TREATMENT AREA
16 June 2020

TORX FACILITY
4366 NORTH OLD US HIGHWAY 31
ROCHESTER, INDIANA

wood.

DRAWN BY	FILE NO.		
RLB	P:\Textron\TFS\Drawings\GW Contours 2018 RA.dwg		
APPROVED BY	DATE		
RED/PJS	08/18/2020		
SOURCE	Wells surveyed by Territorial Engineering; Fulton County, IN GIS, 2005.		
PROJECT NO.	SCALE		
3359 15 1040	SEE ABOVE		

QUARTERLY STABILITY MONITORING VOLATILE ORGANIC COMPOUNDS

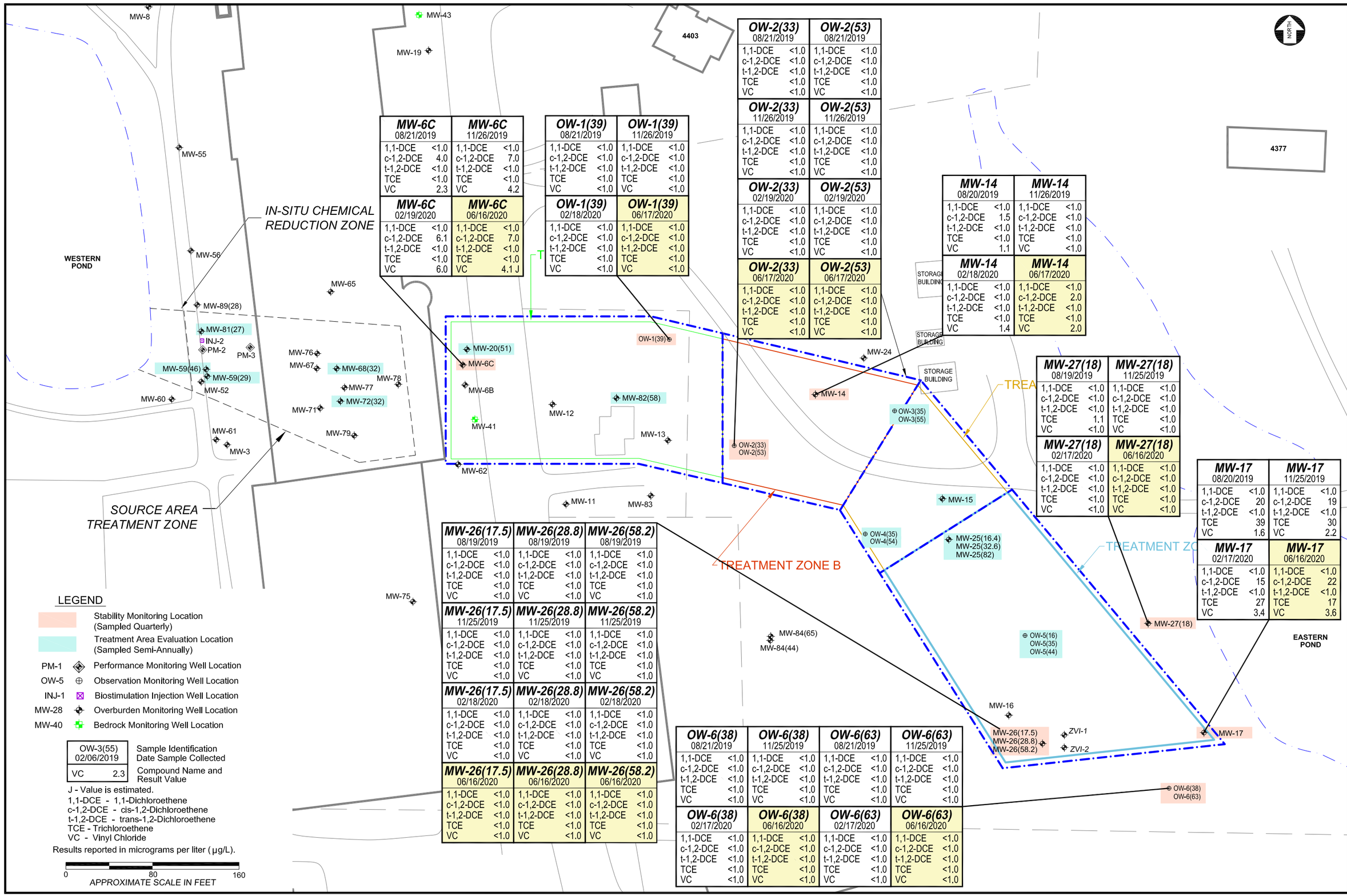
FIGURE 6

SHEET 1 of 1

TORX FACILITY
4366 NORTH OLD US HIGHWAY 31
ROCHESTER, INDIANA

DRAWN BY	RLB
APPROVED BY	RED \ PJS
PROJECT NO.	3359 15 1040
FILE NO.	P:\Textron\TFS\Drawings\Stability MWs.dwg
DATE	08/24/2020
SCALE	SEE ABOVE

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



MW-6C 08/21/2019		MW-6C 11/26/2019	
1,1-DCE	<1.0	1,1-DCE	<1.0
c-1,2-DCE	4.0	c-1,2-DCE	7.0
t-1,2-DCE	<1.0	t-1,2-DCE	<1.0
TCE	<1.0	TCE	<1.0
VC	2.3	VC	4.2

MW-6C 02/19/2020		MW-6C 06/16/2020	
1,1-DCE	<1.0	1,1-DCE	<1.0
c-1,2-DCE	6.1	c-1,2-DCE	7.0
t-1,2-DCE	<1.0	t-1,2-DCE	<1.0
TCE	<1.0	TCE	<1.0
VC	6.0	VC	4.1 J

OW-1(39) 08/21/2019		OW-1(39) 11/26/2019	
1,1-DCE	<1.0	1,1-DCE	<1.0
c-1,2-DCE	<1.0	c-1,2-DCE	<1.0
t-1,2-DCE	<1.0	t-1,2-DCE	<1.0
TCE	<1.0	TCE	<1.0
VC	<1.0	VC	<1.0

OW-1(39) 02/18/2020		OW-1(39) 06/17/2020	
1,1-DCE	<1.0	1,1-DCE	<1.0
c-1,2-DCE	<1.0	c-1,2-DCE	<1.0
t-1,2-DCE	<1.0	t-1,2-DCE	<1.0
TCE	<1.0	TCE	<1.0
VC	<1.0	VC	<1.0

OW-2(33) 08/21/2019		OW-2(53) 08/21/2019	
1,1-DCE	<1.0	1,1-DCE	<1.0
c-1,2-DCE	<1.0	c-1,2-DCE	<1.0
t-1,2-DCE	<1.0	t-1,2-DCE	<1.0
TCE	<1.0	TCE	<1.0
VC	<1.0	VC	<1.0

OW-2(33) 11/26/2019		OW-2(53) 11/26/2019	
1,1-DCE	<1.0	1,1-DCE	<1.0
c-1,2-DCE	<1.0	c-1,2-DCE	<1.0
t-1,2-DCE	<1.0	t-1,2-DCE	<1.0
TCE	<1.0	TCE	<1.0
VC	<1.0	VC	<1.0

OW-2(33) 02/19/2020		OW-2(53) 02/19/2020	
1,1-DCE	<1.0	1,1-DCE	<1.0
c-1,2-DCE	<1.0	c-1,2-DCE	<1.0
t-1,2-DCE	<1.0	t-1,2-DCE	<1.0
TCE	<1.0	TCE	<1.0
VC	<1.0	VC	<1.0

OW-2(33) 06/17/2020		OW-2(53) 06/17/2020	
1,1-DCE	<1.0	1,1-DCE	<1.0
c-1,2-DCE	<1.0	c-1,2-DCE	<1.0
t-1,2-DCE	<1.0	t-1,2-DCE	<1.0
TCE	<1.0	TCE	<1.0
VC	<1.0	VC	<1.0

MW-14 08/20/2019		MW-14 11/26/2019	
1,1-DCE	<1.0	1,1-DCE	<1.0
c-1,2-DCE	1.5	c-1,2-DCE	<1.0
t-1,2-DCE	<1.0	t-1,2-DCE	<1.0
TCE	<1.0	TCE	<1.0
VC	1.1	VC	<1.0

MW-14 02/18/2020		MW-14 06/17/2020	
1,1-DCE	<1.0	1,1-DCE	<1.0
c-1,2-DCE	<1.0	c-1,2-DCE	2.0
t-1,2-DCE	<1.0	t-1,2-DCE	<1.0
TCE	<1.0	TCE	<1.0
VC	1.4	VC	2.0

MW-27(18) 08/19/2019		MW-27(18) 11/25/2019	
1,1-DCE	<1.0	1,1-DCE	<1.0
c-1,2-DCE	<1.0	c-1,2-DCE	<1.0
t-1,2-DCE	<1.0	t-1,2-DCE	<1.0
TCE	1.1	TCE	<1.0
VC	<1.0	VC	<1.0

MW-27(18) 02/17/2020		MW-27(18) 06/16/2020	
1,1-DCE	<1.0	1,1-DCE	<1.0
c-1,2-DCE	<1.0	c-1,2-DCE	<1.0
t-1,2-DCE	<1.0	t-1,2-DCE	<1.0
TCE	<1.0	TCE	<1.0
VC	<1.0	VC	<1.0

MW-17 08/20/2019		MW-17 11/25/2019	
1,1-DCE	<1.0	1,1-DCE	<1.0
c-1,2-DCE	20	c-1,2-DCE	19
t-1,2-DCE	<1.0	t-1,2-DCE	<1.0
TCE	39	TCE	30
VC	1.6	VC	2.2

MW-17 02/17/2020		MW-17 06/16/2020	
1,1-DCE	<1.0	1,1-DCE	<1.0
c-1,2-DCE	15	c-1,2-DCE	22
t-1,2-DCE	<1.0	t-1,2-DCE	<1.0
TCE	27	TCE	17
VC	3.4	VC	3.6

MW-26(17.5) 08/19/2019		MW-26(28.8) 08/19/2019		MW-26(58.2) 08/19/2019	
1,1-DCE	<1.0	1,1-DCE	<1.0	1,1-DCE	<1.0
c-1,2-DCE	<1.0	c-1,2-DCE	<1.0	c-1,2-DCE	<1.0
t-1,2-DCE	<1.0	t-1,2-DCE	<1.0	t-1,2-DCE	<1.0
TCE	<1.0	TCE	<1.0	TCE	<1.0
VC	<1.0	VC	<1.0	VC	<1.0

MW-26(17.5) 11/25/2019		MW-26(28.8) 11/25/2019		MW-26(58.2) 11/25/2019	
1,1-DCE	<1.0	1,1-DCE	<1.0	1,1-DCE	<1.0
c-1,2-DCE	<1.0	c-1,2-DCE	<1.0	c-1,2-DCE	<1.0
t-1,2-DCE	<1.0	t-1,2-DCE	<1.0	t-1,2-DCE	<1.0
TCE	<1.0	TCE	<1.0	TCE	<1.0
VC	<1.0	VC	<1.0	VC	<1.0

MW-26(17.5) 02/18/2020		MW-26(28.8) 02/18/2020		MW-26(58.2) 02/18/2020	
1,1-DCE	<1.0	1,1-DCE	<1.0	1,1-DCE	<1.0
c-1,2-DCE	<1.0	c-1,2-DCE	<1.0	c-1,2-DCE	<1.0
t-1,2-DCE	<1.0	t-1,2-DCE	<1.0	t-1,2-DCE	<1.0
TCE	<1.0	TCE	<1.0	TCE	<1.0
VC	<1.0	VC	<1.0	VC	<1.0

MW-26(17.5) 06/16/2020		MW-26(28.8) 06/16/2020		MW-26(58.2) 06/16/2020	
1,1-DCE	<1.0	1,1-DCE	<1.0	1,1-DCE	<1.0
c-1,2-DCE	<1.0	c-1,2-DCE	<1.0	c-1,2-DCE	<1.0
t-1,2-DCE	<1.0	t-1,2-DCE	<1.0	t-1,2-DCE	<1.0
TCE	<1.0	TCE	<1.0	TCE	<1.0
VC	<1.0	VC	<1.0	VC	<1.0

OW-6(38) 08/21/2019		OW-6(38) 11/25/2019		OW-6(63) 08/21/2019		OW-6(63) 11/25/2019	
1,1-DCE	<1.0	1,1-DCE	<1.0	1,1-DCE	<1.0	1,1-DCE	<1.0
c-1,2-DCE	<1.0	c-1,2-DCE	<1.0	c-1,2-DCE	<1.0	c-1,2-DCE	<1.0
t-1,2-DCE	<1.0	t-1,2-DCE	<1.0	t-1,2-DCE	<1.0	t-1,2-DCE	<1.0
TCE	<1.0	TCE	<1.0	TCE	<1.0	TCE	<1.0
VC	<1.0	VC	<1.0	VC	<1.0	VC	<1.0

OW-6(38) 02/17/2020		OW-6(38) 06/16/2020		OW-6(63) 02/17/2020		OW-6(63) 06/16/2020	
1,1-DCE	<1.0	1,1-DCE	<1.0	1,1-DCE	<1.0	1,1-DCE	<1.0
c-1,2-DCE	<1.0	c-1,2-DCE	<1.0	c-1,2-DCE	<1.0	c-1,2-DCE	<1.0
t-1,2-DCE	<1.0	t-1,2-DCE	<1.0	t-1,2-DCE	<1.0	t-1,2-DCE	<1.0
TCE	<1.0	TCE	<1.0	TCE	<1.0	TCE	<1.0
VC	<1.0	VC	<1.0	VC	<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).

APPENDIX A

GROUNDWATER SAMPLE COLLECTION FIELD FORMS

GROUND-WATER/SURFACE WATER SAMPLING FORM

Project Location: TFS Rochester | Surface Water ☐ | Groundwater ☑ | Sample ID: ATR-~~MW~~OW-1(39) (Use: Well name)
Project Number: 3359-15-1040
Sampling Personnel: CLO | Date: 6/17/20 | Start Time: 0933 | Weather: Sunny 69°F

MEASUREMENT SUMMARY:
Measuring Point: TOC | Depth to Water: 19.58 | 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 ☑ | Peristaltic Pump ☐ | Bailer ☐
Pump Started: 0935 | 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)
0938	7.31	0.1651	14.90	0.53	300	19.58	0	1.10	-124.1
0944	7.28	0.1648	14.28	0.64	300	19.58	0	0.27	-127.7
0949	7.27	0.1632	14.28	0.05	300	19.58	0	0.23	-128.4
0954	7.27	0.1614	14.33	0.00	300	19.58	0	0.28	-127.0
0959	7.26	0.1606	14.31	0.71	300	19.58	0	0.31	-124.9
1004	7.26	0.1595	14.31	0.00	300	19.58	0	0.33	-124.2
Stabilization Criteria:		±3%	±3%	±10				±10%	±10

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP
1004	7.26	0.1595	14.31	0.00	300	19.58	0	0.33	-124.2

Comments: ____

Calibration: pH Calibration Buffers: 4 ☑ 7 ☐ 10 ☑ | ORP Calibration 229 mV
SC Reference Solution 4.490 mS/cm | Turbidity Cal. Solution 0 NTUs

Sample Name: ATR-~~MW~~OW-1(39)-061720 | Time: 1007

Analyses (check)	Bottle #/Type	Preservative		Bottle #/Type	Preservative
VOCs ☑	3/B	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~~ GW-2
Project Number: 3359-15-1040 (Use: Well name)
Sampling Personnel: GCD | Date: 6/17/20 | Start Time: 0824 | Weather: Sunny 63°F

MEASUREMENT SUMMARY:
Measuring Point: TOC | Depth to Water: 20.06 | Depth to Product: ____ | Product Thickness: ____
Total Casing Depth: 32.67 | Well Diameter: ____ | Approx. Pump Depth: 28 Feet
Screen Interval: top ____ bottom ____ Feet

SAMPLING SUMMARY:
Sampling Method: Grab ☐ Composite ☐ Grundfos ☐ Bladder Pump ☐ Peristaltic Pump ☐ Bailer ☐
Pump Started: 0827 | 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)
0830	6.76	0.871	14.26	20.19	250	20.06	0	1.37	-105.5
0835	6.67	0.884	13.85	26.62	250	20.07	.01	0.14	-108.6
0840	6.67	0.829	13.95	32.06	250	20.08	.02	0.13	-109.6
0845	6.70	0.782	14.03	31.03	250	20.08	.02	0.14	-111.2
0850	6.68	0.747	14.05	17.17	250	20.08	.02	0.15	-109.9
0855	6.67	0.723	14.05	16.06	250	20.08	.02	0.17	-109.6
0900	6.70	0.701	14.15	12.06	250	20.09	.03	0.19	-108.7
0905	6.73	0.685	14.24	35.53	250	20.09	.03	0.18	-109.7
0910	6.72	0.680	14.27	6.53	250	20.09	.03	0.21	-107.6
0915	6.74	0.671	14.38	5.48	250	20.09	.03	0.24	-107.1
Stabilization Criteria:		±3%	±3%	±10				±10%	±10

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP
0915	6.74	0.671	14.38	5.48	250	20.09	.03	0.24	-107.1

Comments: Equipment Blank taken after Sample. ATR-EB002-061720 Time 0927
Knocked air bubbles off at 0905 after reading 10.83 new reading

Calibration: pH Calibration Buffers: 4 ☑ 7 ☑ 10 ☑ | ORP Calibration 229 mV
SC Reference Solution 4.490 mS/cm | Turbidity Cal. Solution 0 NTUs

Sample Name: ATR-~~MW~~ GW-2(3-3)-061720 | Time: 0918

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~~ OW-2(53) (Use: Well name)
Project Number: 3359-15-1040
Sampling Personnel: GCO | Date: 6/17/20 | Start Time: 0730 | Weather: Sunny 80°F

MEASUREMENT SUMMARY:
Measuring Point: TOC | Depth to Water: 19.99 | Depth to Product: ____ | Product Thickness: ____
Total Casing Depth: 52.62 | Well Diameter: ____ | Approx. Pump Depth: 48 Feet
Screen Interval: top ____ bottom ____ Feet

SAMPLING SUMMARY:
Sampling Method: Grab ☑ | Composite ☐ | Grundfos ☐ | Bladder Pump ☐ | Peristaltic Pump ☑ | Bailer ☐
Pump Started: 0740 | 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)
0743	7.101	0.522	14.60	23.96	200	19.99	0	3.56	-160.2
0748	7.15	0.520	14.14	26.44	200	20.01	0.02	0.40	-136.5
0753	7.108	0.519	14.16	25.01	200	20.01	0.02	0.29	-132.9
0758	6.99	0.521	14.16	27.08	200	20.01	0.02	0.30	-128.3
0803	6.96	0.520	14.14	42.57	200	20.01	0.02	0.30	-124.7
0808	6.96	0.522	14.18	26.41	200	20.01	0.02	0.31	-123.4
0813	6.97	0.521	14.16	22.36	200	20.01	0.02	0.31	-123.5
0818	6.97	0.520	14.17	24.89	200	20.01	0.02	0.33	-123.1
Stabilization Criteria:		±3%	±3%	±10				±10%	±10

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP
0818	6.97	0.520	14.17	24.89	200	20.01	0.02	0.33	-123.1

Comments: ____

Calibration: pH Calibration Buffers: 4 ☑ 7 ☐ 10 ☑ | ORP Calibration 229 mV
SC Reference Solution 4.490 mS/cm | Turbidity Cal. Solution 0 NTUs

Sample Name: ATR-~~MW~~ OW-2(53)-061720 | Time: 0820

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 OW-6(38)
Project Number: 3359-15-1040 | (Use: Well name)
Sampling Personnel: GWD | Date: 6/16/20 | Start Time: 0730 | Weather: Sunny 60°F

MEASUREMENT SUMMARY:
Measuring Point: TOC | Depth to Water: 7.68 | 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 ☑ | Peristaltic Pump ☐ | Bailer ☐
Pump Started: 0744 | Pump Stopped: ____ | Total Gallons: 2.25 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)
0748	7.24	0.661	12.98	17.00	300	7.68	0	2.23	-17.5
0753	7.10	0.664	12.88	5.38	300	7.68	0	0.44	-92.1
0758	7.05	0.699	12.84	6.20	300	7.68	0	0.21	-104.7
0803	7.03	0.700	12.86	8.51	300	7.68	0	0.17	-112.3
0808	7.01	0.699	12.85	4.01	300	7.68	0	0.13	-116.5
0813	7.02	0.700	12.81	7.04	300	7.68	0	0.12	-120.3
Stabilization Criteria:	±3%	±3%	±10					±10%	±10

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP
0813	7.02	0.700	12.81	7.04	300	7.68	0	0.12	-120.3

Comments: ____

Calibration: pH Calibration Buffers: 4 ☑ 7 ☑ 10 ☑ | ORP Calibration 229.0 mV
SC Reference Solution 4.490 mS/cm | Turbidity Cal. Solution ____ NTUs

Sample Name: ATR-MW OW-6(38)-060620 | Time: 0815

Analyses (check)	Bottle #/Type	Preservative		Bottle #/Type	Preservative
VOCs ☒	6/3	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-MW OW-Lo(63)
Project Number: 3359-15-1040 | (Use: Well name)
Sampling Personnel: GCN | Date: 06/16/20 | Start Time: 0822 | Weather: Sunny Lo 20's F

MEASUREMENT SUMMARY:
Measuring Point: TOC | Depth to Water: 7.08 | Depth to Product: | Product Thickness:
Total Casing Depth: 62.14 | Well Diameter: 2" | Approx. Pump Depth: 59 Feet
Screen Interval: top bottom Feet

SAMPLING SUMMARY:
Sampling Method: Grab ✓ | Composite | Grundfos | Bladder Pump ✓ | Peristaltic Pump | Bailer
Pump Started: 0828 | Pump Stopped: | Total Gallons: 2.5

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)
0830	7.13	0.749	13.66	27.18	300	7.08	0	0.81	-124.5
0835	7.13	0.749	13.34	15.72	300	7.10	.02	0.24	-133.6
0840	7.12	0.749	13.35	71.29	300	7.12	.04	0.20	-135.9
0845	7.11	0.751	13.17	58.87	300	7.12	.04	0.21	-131.9
0850	7.10	0.749	13.02	12.73	300	7.13	.05	0.13	-137.3
0855	7.09	0.750	13.02	19.20	300	7.13	.05	0.08	-140.8
0900	7.09	0.754	13.13	8.74	300	7.13	.05	0.09	-140.6
Stabilization Criteria:		±3%	±3%	±10				±10%	±10

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP
0900	7.09	0.754	13.13	8.74	300	7.13	0.05	0.09	-140.6

Comments: Water very clear/no sediment

Calibration: pH Calibration Buffers: 4 ✓ 7 ✓ 10 ✓ | ORP Calibration 229 mV
SC Reference Solution 4.49 mS/cm | Turbidity Cal. Solution 0 NTUs

Sample Name: ATR-MW OW-Lo(63)-061620 | Time: 0903

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-6C
Project Number: 3359-15-1040 | (Use: Well name)
Sampling Personnel: GCO | Date: 6/16/20 | Start Time: 1742 | Weather: Sunny 85°F

MEASUREMENT SUMMARY:
Measuring Point: TOC | Depth to Water: 24.71 | Depth to Product: ____ | Product Thickness: ____
Total Casing Depth: 38.25 | Well Diameter: ____ | Approx. Pump Depth: 34 Feet
Screen Interval: top ____ bottom ____ Feet

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

Pump Started: 1750 | 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)
1743	7.04	0.625	16.00	16.15	200	24.71	0	0.46	-55.5
1748	6.97	0.636	15.70	16.16	200	24.71	0	1.28	-66.2
1753	6.74	0.644	15.50	11.67	200	24.71	0	1.66	-72.1
1758	6.68	0.635	15.47	9.80	200	24.72	0.01	1.89	-71.3
1803	6.69	0.663	15.47	8.44	200	24.72	0.01	2.01	-72.9
1808	6.67	0.669	15.41	12.19	200	24.72	0.01	2.05	-72.7
1813	6.63	0.670	15.50	8.86	200	24.72	0.01	2.10	-71.2
Stabilization Criteria:		±3%	±3%	±10				±10%	±10

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP
1813	6.63	0.670	15.50	8.86	200	24.72	0.01	2.10	-71.2

Comments: MS/MSD also taken at this site, ID ATR-MW-6C-061620-MS/MSD

Calibration: pH Calibration Buffers: 4 ☑ 7 ☑ 10 ☑ | ORP Calibration 229 mV
SC Reference Solution 4.49 mS/cm | Turbidity Cal. Solution 0 NTUs

Sample Name: ATR-MW-6C-061620 | Time: 1815

Analyses (check)	Bottle #/Type	Preservative		Bottle #/Type	Preservative
VOCs ☑	9/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-14 (Use: Well name)
Project Number: 3359-15-1040
Sampling Personnel: GWD | Date: 6/17/20 | Start Time: 1018 | Weather: Sunny 73°F

MEASUREMENT SUMMARY:
Measuring Point: TOC | Depth to Water: 17.23 | 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:
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)
1025	7.15	0.535	15.16	63.26	300	17.23	0	4.72	-84.0
1030	7.27	0.645	15.42	50.18	300	17.23	0	0.46	-120.7
1035	7.28	0.700	14.14	55.11	300	17.23	0	0.32	-127.1
1040	7.28	0.730	13.91	62.96	300	17.23	0	0.12	-131.7
1045	7.27	0.737	14.05	72.85	300	17.23	0	0.11	-132.7
1050	7.26	0.739	14.24	77.99	300	17.23	0	0.15	-128.5
1055	7.26	0.735	14.15	67.61	300	17.23	0	0.10	-133.9
1100	7.29	0.733	14.10	64.33	300	17.23	0	0.09	-137.5
1105	7.31	0.732	14.44	56.14	300	17.23	0	0.10	-139.7
1110	7.30	0.734	14.64	37.46	300	17.23	0	0.10	-139.9
1115	7.30	0.730	14.55	26.87	300	17.23	0	0.09	-139.5
1120	7.30	0.734	14.66	17.45	300	17.23	0	0.10	-139.2
1125	7.31	0.734	14.82	13.60	300	17.23	0	0.09	-139.0
1130	7.27	0.738	14.74	10.79	300	17.23	0	0.09	-136.3
Stabilization Criteria:	±3%	±3%	±10					±10%	±10

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP
1130	7.27	0.738	14.74	10.79	300	17.23	0	0.09	-136.3

Comments: ____

Calibration: pH Calibration Buffers: 4 ☑ 7 ☑ 10 ☑ | ORP Calibration 229 mV
SC Reference Solution 4.490 mS/cm | Turbidity Cal. Solution 0 NTUs

Sample Name: ATR-MW-14-061720 | Time: 1133

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-MW-17 (Use: Well name)
Project Number: 3359-15-1040
Sampling Personnel: GMD | Date: 6/16/20 | Start Time: 0918 | Weather: Sunny 70°F

MEASUREMENT SUMMARY:
Measuring Point: TOC | Depth to Water: 2.02 | Depth to Product: ____ | Product Thickness: ____
Total Casing Depth: 42.71 | Well Diameter: ____ | Approx. Pump Depth: 38 Feet
Screen Interval: top ____ bottom ____ Feet

SAMPLING SUMMARY:
Sampling Method: Grab ☑ | Composite ☐ | Grundfos ☐ | Bladder Pump ☑ | Peristaltic Pump ☐ | Bailer ☐
Pump Started: 0922 | 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)
0925	7.12	0.772	17.24	0.12	300	2.02	0	8.06	-34.6
0930	7.14	0.736	15.19	0.64	300	2.09	.07	0.38	-89.0
0935	7.12	0.754	14.76	2.53	300	2.14	.12	0.28	-80.2
0940	7.10	0.757	15.03	0.77	300	2.20	.18	0.24	-73.1
0945	7.10	0.765	15.09	9.26	300	2.24	.22	0.15	-76.4
0950	7.11	0.771	15.15	0.95	300	2.26	.24	0.19	-84.3
Stabilization Criteria:		±3%	±3%	±10				±10%	±10

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP
0950	7.11	0.771	15.15	0.95	300	2.26	.24	0.19	-84.3

Comments: ATR-EBC01-061620 Taken at 1008

Calibration: pH Calibration Buffers: 4 ☑ 7 ☑ 10 ☑ | ORP Calibration 225 mV
SC Reference Solution 4.490 mS/cm | Turbidity Cal. Solution 0 NTUs

Sample Name: ATR-MW-17-061620 | Time: 0953

Analyses (check)	Bottle #/Type	Preservative		Bottle #/Type	Preservative
VOCs ☑	6/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: Yes | Blind Dup Name: ATR-MW-17-061620-R

GROUND-WATER/SURFACE WATER SAMPLING FORM

Project Location: TFS Rochester Surface Water ☐ Groundwater ☐ Sample ID: ATR-MW-26(17.5) (Use: Well name)
Project Number: 3359-15-1040
Sampling Personnel: GLN Date: 6/16/20 Start Time: 1550 Weather: Sunny 84°F

MEASUREMENT SUMMARY:
Measuring Point: TOC Depth to Water: 9.54 Depth to Product: ____ Product Thickness: ____
Total Casing Depth: 17.48 Well Diameter: ____ Approx. Pump Depth: 14 Feet
Screen Interval: top ____ bottom ____ Feet

SAMPLING SUMMARY:
Sampling Method: Grab ☑ Composite ☐ Grundfos ☐ Bladder Pump ☑ Peristaltic Pump ☐ Bailer ☐
Pump Started: 1605 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)
1607	6.99	0.710	14.44	9.04	300	9.58	0	0.50	-125.8
1612	6.98	0.701	13.84	18.49	300	9.58	0	0.25	-121.8
1617	6.97	0.738	15.74	25.99	300	9.58	0	0.30	-116.1
1622	6.97	0.739	17.60	52.16	300	9.58	0	0.24	-116.2
1627	6.81	0.730	15.85	12.16	300	9.58	0	0.28	-119.7
1632	6.84	0.734	16.27	10.30	300	9.58	0	0.30	-122.7
1637	6.91	0.735	15.84	18.43	300	9.58	0	0.31	-122.4
1642	6.94	0.733	15.74	9.54	300	9.58	0	0.32	-123.1
Stabilization Criteria:	±3%	±3%	±10					±10%	±10

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP
1642	6.94	0.733	15.74	9.54	300	9.58	0	0.32	-123.1

Comments: Temperature changes with Sun & Clouds

Calibration: pH Calibration Buffers: 4 ☑ 7 ☑ 10 ☑ ORP Calibration 229 mV
SC Reference Solution 4.490 mS/cm Turbidity Cal. Solution 0 NTUs

Sample Name: ATR-MW-26(17.5)-061620 Time: 1645

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-MW-26 (25.8) (Use: Well name)
Project Number: 3359-15-1040
Sampling Personnel: GLO | Date: 6/16/20 | Start Time: 1058 | Weather: Sunny 75°F

MEASUREMENT SUMMARY:
Measuring Point: TOC | Depth to Water: 9.43 | 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:
Sampling Method: Grab ☑ | Composite ☐ | Grundfos ☐ | Bladder Pump ☑ | Peristaltic Pump ☐ | Bailer ☐
Pump Started: 1103 | 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)
1105	6.79	1.008	14.35	2.17	300	9.43	0	0.36	-81.3
1110	6.74	1.089	13.86	25.07	300	9.43	0	0.10	-96.2
1115	6.72	1.158	13.73	37.71	300	9.43	0	0.11	-97.5
1120	6.65	1.040	13.43	6.90	300	9.43	0	0.08	-96.5
1125	6.62	1.055	13.81	46.05	300	9.43	0	0.10	-96.5
1130	6.58	1.041	13.61	1.94	300	9.43	0	0.14	-93.4
1135	6.55	1.034	13.91	6.83	300	9.43	0	0.09	-96.8
1140	6.54	1.028	13.52	2.47	300	9.43	0	0.07	-96.2
Stabilization Criteria:	±3%	±3%	±10					±10%	±10

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP
1140	6.55	1.028	13.52	2.47	300	9.43	0	0.07	-96.2

Comments: ____

Calibration: pH Calibration Buffers: 4 ☑ 7 ☑ 10 ☑ | ORP Calibration 229 mV
SC Reference Solution 4.49 mS/cm | Turbidity Cal. Solution 0 NTUs

Sample Name: ATR-MW-26(25.8)-061620 | Time: 1145

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-MW-26(58.2) (Use: Well name)
Project Number: 3359-15-1040
Sampling Personnel: GO | Date: 6/16/20 | Start Time: 1654 | Weather: Sunny 84°F

MEASUREMENT SUMMARY:
Measuring Point: _____ | Depth to Water: 8.87 | Depth to Product: _____ | Product Thickness: _____
Total Casing Depth: 58.2 | Well Diameter: _____ | Approx. Pump Depth: 54 Feet
Screen Interval: top _____ bottom _____ Feet

SAMPLING SUMMARY:
Sampling Method: Grab ☑ | Composite ☐ | Grundfos ☐ | Bladder Pump ☑ | Peristaltic Pump ☐ | Bailer ☐
Pump Started: 1658 | 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)
1701	7.24	0.473	15.65	3.84	300	8.81	0	0.93	-53.1
1706	7.20	0.485	14.78	1.67	300	8.82	0.01	0.27	-99.5
1711	7.18	0.495	14.71	2.76	300	8.82	0.01	0.28	-123.3
1716	7.15	0.502	14.71	2.28	300	8.83	0.02	0.26	-128.3
1721	7.14	0.502	14.60	3.04	300	8.83	0.02	0.28	-130.2
Stabilization Criteria:	±3%	±3%	±10					±10%	±10

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP
1721	7.14	0.502	14.60	3.04	300	8.83	0.02	0.28	-130.2

Comments: _____

Calibration: pH Calibration Buffers: 4 ☑ 7 ☑ 10 ☑ | ORP Calibration 229 mV
SC Reference Solution 4.49 mS/cm | Turbidity Cal. Solution 0 NTUs

Sample Name: ATR-MW-26(58.2)-061620 | Time: 1725

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.
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-27(18)
Project Number: 3359-15-1040 | (Use: Well name)
Sampling Personnel: GCR | Date: 6/16/20 | Start Time: 1015 | Weather: Sunny 74°F

MEASUREMENT SUMMARY:
Measuring Point: TOC | Depth to Water: 3.46 ft | 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:
Sampling Method: Grab ☑ | Composite ☐ | Grundfos ☐ | Bladder Pump ☑ | Peristaltic Pump ☐ | Bailer ☐
Pump Started: 1014 | Pump Stopped: ____ | Total Gallons: 2.75 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)
1027	7.19	0.671	13.59	2.96	300	3.46	0	0.09	-153.1
1032	7.14	0.672	13.62	6.06	300	3.48	0.02	0.06	-153.2
1037	7.10	0.672	13.45	15.72	300	3.48	0.02	0.06	-151.7
1042	7.12	0.671	13.47	1.76	300	3.48	0.02	0.07	-152.5
1047	7.160	0.671	13.40	2.03	300	3.48	0.02	0.07	-154.6
Stabilization Criteria:	±3%	±3%	±10					±10%	±10

Final:

Time	pH	SC	Temp	Turb.	Flow Rate	DTW	Drawdown	DO	ORP
1047	7.16	0.671	13.40	2.03	300	3.46	0.02	0.07	-154.6

Comments: Issues with MP50 not cycling at start

Calibration: pH Calibration Buffers: 4 ☑ 7 ☑ 10 ☑ | ORP Calibration 229 mV
SC Reference Solution 4.49 mS/cm | Turbidity Cal. Solution 0 NTUs

Sample Name: ATR-MW-27(18)-061620 | Time: 1050

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 ____

APPENDIX B

LABORATORY REPORTS AND DATA VALIDATION REPORT

25-Jun-2020

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

Re: **TFS Rochester (3359-15-1040)** Work Order: **20061640**

Dear Paul,

ALS Environmental received 16 samples on 18-Jun-2020 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 44.

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: 25-Jun-20

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040)
Work Order: **20061640**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
20061640-01	ATR-OW-6(38)-061620	Water		6/16/2020 08:15	6/18/2020 13:00	☐
20061640-02	ATR-OW-6(63)-061620	Water		6/16/2020 09:03	6/18/2020 13:00	☐
20061640-03	ATR-MW-17-061620	Water		6/16/2020 09:53	6/18/2020 13:00	☐
20061640-04	ATR-MW-17-061620-R	Water		6/16/2020 09:53	6/18/2020 13:00	☐
20061640-05	ATR-EB001-061620	Water		6/16/2020 10:08	6/18/2020 13:00	☐
20061640-06	ATR-MW-27(18)-061620	Water		6/16/2020 10:50	6/18/2020 13:00	☐
20061640-07	ATR-MW-26(28.8)-061620	Water		6/16/2020 11:45	6/18/2020 13:00	☐
20061640-08	ATR-MW-26(58.2)-061620	Water		6/16/2020 17:25	6/18/2020 13:00	☐
20061640-09	Trip Blank	Water		6/16/2020	6/18/2020 13:00	☐
20061640-10	ATR-MW-6C-061620	Water		6/16/2020 18:15	6/18/2020 13:00	☐
20061640-11	ATR-OW-2(53)-061620	Water		6/17/2020 08:20	6/18/2020 13:00	☐
20061640-12	ATR-OW-2(33)-061720	Water		6/17/2020 09:18	6/18/2020 13:00	☐
20061640-13	ATR-EB002-061720	Water		6/17/2020 09:27	6/18/2020 13:00	☐
20061640-14	ATR-OW-1(39)-061720	Water		6/17/2020 10:07	6/18/2020 13:00	☐
20061640-15	ATR-MW-14-061720	Water		6/17/2020 11:33	6/18/2020 13:00	☐
20061640-16	ATR-MW-26(17.5)-061620	Water		6/16/2020 16:45	6/18/2020 13:00	☐

ALS Group, USA

Date: 25-Jun-20

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040)
WorkOrder: **20061640**

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 (3359-15-1040)
Work Order:	20061640

Case Narrative

Samples for the above noted Work Order were received on 06/18/2020. 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 R291581a, Method VOC_8260_W, Sample 20061640-10A MSD: The VOC MSD recovery was outside of the control limit. However, the MS recovery and the RPD between the MS and MSD were in control. No qualification is required for Vinyl Chloride.

No other deviations or anomalies were noted.

ALS Group, USA

Date: *25-Jun-20*

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-OW-6(38)-061620 **Lab ID:** 20061640-01
Collection Date: 6/16/2020 08:15 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **BG**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 03:52 AM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	6/25/2020 03:52 AM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 03:52 AM
1,1-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 03:52 AM
1,1-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 03:52 AM
1,2-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 03:52 AM
1,2-Dichloropropane	ND		1.0	µg/L	1	6/25/2020 03:52 AM
2-Butanone	ND		5.0	µg/L	1	6/25/2020 03:52 AM
2-Hexanone	ND		5.0	µg/L	1	6/25/2020 03:52 AM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	6/25/2020 03:52 AM
Acetone	ND		10	µg/L	1	6/25/2020 03:52 AM
Benzene	ND		1.0	µg/L	1	6/25/2020 03:52 AM
Bromodichloromethane	ND		1.0	µg/L	1	6/25/2020 03:52 AM
Bromoform	ND		1.0	µg/L	1	6/25/2020 03:52 AM
Bromomethane	ND		1.0	µg/L	1	6/25/2020 03:52 AM
Carbon disulfide	ND		1.0	µg/L	1	6/25/2020 03:52 AM
Carbon tetrachloride	ND		1.0	µg/L	1	6/25/2020 03:52 AM
Chlorobenzene	ND		1.0	µg/L	1	6/25/2020 03:52 AM
Chloroethane	ND		1.0	µg/L	1	6/25/2020 03:52 AM
Chloroform	ND		1.0	µg/L	1	6/25/2020 03:52 AM
Chloromethane	ND		1.0	µg/L	1	6/25/2020 03:52 AM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 03:52 AM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 03:52 AM
Dibromochloromethane	ND		1.0	µg/L	1	6/25/2020 03:52 AM
Ethylbenzene	ND		1.0	µg/L	1	6/25/2020 03:52 AM
m,p-Xylene	ND		2.0	µg/L	1	6/25/2020 03:52 AM
Methylene chloride	ND		5.0	µg/L	1	6/25/2020 03:52 AM
o-Xylene	ND		1.0	µg/L	1	6/25/2020 03:52 AM
Styrene	ND		1.0	µg/L	1	6/25/2020 03:52 AM
Tetrachloroethene	ND		1.0	µg/L	1	6/25/2020 03:52 AM
Toluene	ND		1.0	µg/L	1	6/25/2020 03:52 AM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 03:52 AM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 03:52 AM
Trichloroethene	ND		1.0	µg/L	1	6/25/2020 03:52 AM
Vinyl chloride	ND		1.0	µg/L	1	6/25/2020 03:52 AM
Xylenes, Total	ND		3.0	µg/L	1	6/25/2020 03:52 AM
Surr: 1,2-Dichloroethane-d4	*105*		*75-120*	*%REC*	1	6/25/2020 03:52 AM
Surr: 4-Bromofluorobenzene	*98.0*		*80-110*	*%REC*	1	6/25/2020 03:52 AM
Surr: Dibromofluoromethane	*101*		*85-115*	*%REC*	1	6/25/2020 03:52 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-OW-6(38)-061620 **Lab ID:** 20061640-01
Collection Date: 6/16/2020 08:15 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*101*		*85-110*	*%REC*	1	6/25/2020 03:52 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-OW-6(63)-061620 **Lab ID:** 20061640-02
Collection Date: 6/16/2020 09:03 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **BG**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 04:16 AM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	6/25/2020 04:16 AM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 04:16 AM
1,1-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 04:16 AM
1,1-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 04:16 AM
1,2-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 04:16 AM
1,2-Dichloropropane	ND		1.0	µg/L	1	6/25/2020 04:16 AM
2-Butanone	ND		5.0	µg/L	1	6/25/2020 04:16 AM
2-Hexanone	ND		5.0	µg/L	1	6/25/2020 04:16 AM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	6/25/2020 04:16 AM
Acetone	ND		10	µg/L	1	6/25/2020 04:16 AM
Benzene	ND		1.0	µg/L	1	6/25/2020 04:16 AM
Bromodichloromethane	ND		1.0	µg/L	1	6/25/2020 04:16 AM
Bromoform	ND		1.0	µg/L	1	6/25/2020 04:16 AM
Bromomethane	ND		1.0	µg/L	1	6/25/2020 04:16 AM
Carbon disulfide	ND		1.0	µg/L	1	6/25/2020 04:16 AM
Carbon tetrachloride	ND		1.0	µg/L	1	6/25/2020 04:16 AM
Chlorobenzene	ND		1.0	µg/L	1	6/25/2020 04:16 AM
Chloroethane	ND		1.0	µg/L	1	6/25/2020 04:16 AM
Chloroform	ND		1.0	µg/L	1	6/25/2020 04:16 AM
Chloromethane	ND		1.0	µg/L	1	6/25/2020 04:16 AM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 04:16 AM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 04:16 AM
Dibromochloromethane	ND		1.0	µg/L	1	6/25/2020 04:16 AM
Ethylbenzene	ND		1.0	µg/L	1	6/25/2020 04:16 AM
m,p-Xylene	ND		2.0	µg/L	1	6/25/2020 04:16 AM
Methylene chloride	ND		5.0	µg/L	1	6/25/2020 04:16 AM
o-Xylene	ND		1.0	µg/L	1	6/25/2020 04:16 AM
Styrene	ND		1.0	µg/L	1	6/25/2020 04:16 AM
Tetrachloroethene	ND		1.0	µg/L	1	6/25/2020 04:16 AM
Toluene	ND		1.0	µg/L	1	6/25/2020 04:16 AM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 04:16 AM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 04:16 AM
Trichloroethene	ND		1.0	µg/L	1	6/25/2020 04:16 AM
Vinyl chloride	ND		1.0	µg/L	1	6/25/2020 04:16 AM
Xylenes, Total	ND		3.0	µg/L	1	6/25/2020 04:16 AM
Surr: 1,2-Dichloroethane-d4	*103*		*75-120*	*%REC*	1	6/25/2020 04:16 AM
Surr: 4-Bromofluorobenzene	*98.0*		*80-110*	*%REC*	1	6/25/2020 04:16 AM
Surr: Dibromofluoromethane	*100*		*85-115*	*%REC*	1	6/25/2020 04:16 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-OW-6(63)-061620 **Lab ID:** 20061640-02
Collection Date: 6/16/2020 09:03 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*97.8*		*85-110*	*%REC*	1	6/25/2020 04:16 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-MW-17-061620 **Lab ID:** 20061640-03
Collection Date: 6/16/2020 09:53 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **BG**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 04:40 AM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	6/25/2020 04:40 AM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 04:40 AM
1,1-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 04:40 AM
1,1-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 04:40 AM
1,2-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 04:40 AM
1,2-Dichloropropane	ND		1.0	µg/L	1	6/25/2020 04:40 AM
2-Butanone	ND		5.0	µg/L	1	6/25/2020 04:40 AM
2-Hexanone	ND		5.0	µg/L	1	6/25/2020 04:40 AM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	6/25/2020 04:40 AM
Acetone	ND		10	µg/L	1	6/25/2020 04:40 AM
Benzene	ND		1.0	µg/L	1	6/25/2020 04:40 AM
Bromodichloromethane	ND		1.0	µg/L	1	6/25/2020 04:40 AM
Bromoform	ND		1.0	µg/L	1	6/25/2020 04:40 AM
Bromomethane	ND		1.0	µg/L	1	6/25/2020 04:40 AM
Carbon disulfide	ND		1.0	µg/L	1	6/25/2020 04:40 AM
Carbon tetrachloride	ND		1.0	µg/L	1	6/25/2020 04:40 AM
Chlorobenzene	ND		1.0	µg/L	1	6/25/2020 04:40 AM
Chloroethane	ND		1.0	µg/L	1	6/25/2020 04:40 AM
Chloroform	ND		1.0	µg/L	1	6/25/2020 04:40 AM
Chloromethane	ND		1.0	µg/L	1	6/25/2020 04:40 AM
cis-1,2-Dichloroethene	**22**		**1.0**	**µg/L**	1	6/25/2020 04:40 AM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 04:40 AM
Dibromochloromethane	ND		1.0	µg/L	1	6/25/2020 04:40 AM
Ethylbenzene	ND		1.0	µg/L	1	6/25/2020 04:40 AM
m,p-Xylene	ND		2.0	µg/L	1	6/25/2020 04:40 AM
Methylene chloride	ND		5.0	µg/L	1	6/25/2020 04:40 AM
o-Xylene	ND		1.0	µg/L	1	6/25/2020 04:40 AM
Styrene	ND		1.0	µg/L	1	6/25/2020 04:40 AM
Tetrachloroethene	ND		1.0	µg/L	1	6/25/2020 04:40 AM
Toluene	ND		1.0	µg/L	1	6/25/2020 04:40 AM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 04:40 AM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 04:40 AM
Trichloroethene	**17**		**1.0**	**µg/L**	1	6/25/2020 04:40 AM
Vinyl chloride	**3.6**		**1.0**	**µg/L**	1	6/25/2020 04:40 AM
Xylenes, Total	ND		3.0	µg/L	1	6/25/2020 04:40 AM
Surr: 1,2-Dichloroethane-d4	*100*		*75-120*	*%REC*	1	6/25/2020 04:40 AM
Surr: 4-Bromofluorobenzene	*95.2*		*80-110*	*%REC*	1	6/25/2020 04:40 AM
Surr: Dibromofluoromethane	*95.2*		*85-115*	*%REC*	1	6/25/2020 04:40 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-MW-17-061620 **Lab ID:** 20061640-03
Collection Date: 6/16/2020 09:53 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*101*		*85-110*	*%REC*	1	6/25/2020 04:40 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-MW-17-061620-R **Lab ID:** 20061640-04
Collection Date: 6/16/2020 09:53 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **BG**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 05:04 AM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	6/25/2020 05:04 AM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 05:04 AM
1,1-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 05:04 AM
1,1-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 05:04 AM
1,2-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 05:04 AM
1,2-Dichloropropane	ND		1.0	µg/L	1	6/25/2020 05:04 AM
2-Butanone	ND		5.0	µg/L	1	6/25/2020 05:04 AM
2-Hexanone	ND		5.0	µg/L	1	6/25/2020 05:04 AM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	6/25/2020 05:04 AM
Acetone	ND		10	µg/L	1	6/25/2020 05:04 AM
Benzene	ND		1.0	µg/L	1	6/25/2020 05:04 AM
Bromodichloromethane	ND		1.0	µg/L	1	6/25/2020 05:04 AM
Bromoform	ND		1.0	µg/L	1	6/25/2020 05:04 AM
Bromomethane	ND		1.0	µg/L	1	6/25/2020 05:04 AM
Carbon disulfide	ND		1.0	µg/L	1	6/25/2020 05:04 AM
Carbon tetrachloride	ND		1.0	µg/L	1	6/25/2020 05:04 AM
Chlorobenzene	ND		1.0	µg/L	1	6/25/2020 05:04 AM
Chloroethane	ND		1.0	µg/L	1	6/25/2020 05:04 AM
Chloroform	ND		1.0	µg/L	1	6/25/2020 05:04 AM
Chloromethane	ND		1.0	µg/L	1	6/25/2020 05:04 AM
cis-1,2-Dichloroethene	**22**		**1.0**	**µg/L**	1	6/25/2020 05:04 AM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 05:04 AM
Dibromochloromethane	ND		1.0	µg/L	1	6/25/2020 05:04 AM
Ethylbenzene	ND		1.0	µg/L	1	6/25/2020 05:04 AM
m,p-Xylene	ND		2.0	µg/L	1	6/25/2020 05:04 AM
Methylene chloride	ND		5.0	µg/L	1	6/25/2020 05:04 AM
o-Xylene	ND		1.0	µg/L	1	6/25/2020 05:04 AM
Styrene	ND		1.0	µg/L	1	6/25/2020 05:04 AM
Tetrachloroethene	ND		1.0	µg/L	1	6/25/2020 05:04 AM
Toluene	ND		1.0	µg/L	1	6/25/2020 05:04 AM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 05:04 AM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 05:04 AM
Trichloroethene	**17**		**1.0**	**µg/L**	1	6/25/2020 05:04 AM
Vinyl chloride	**3.8**		**1.0**	**µg/L**	1	6/25/2020 05:04 AM
Xylenes, Total	ND		3.0	µg/L	1	6/25/2020 05:04 AM
Surr: 1,2-Dichloroethane-d4	*99.6*		*75-120*	*%REC*	1	6/25/2020 05:04 AM
Surr: 4-Bromofluorobenzene	*100*		*80-110*	*%REC*	1	6/25/2020 05:04 AM
Surr: Dibromofluoromethane	*99.6*		*85-115*	*%REC*	1	6/25/2020 05:04 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-MW-17-061620-R **Lab ID:** 20061640-04
Collection Date: 6/16/2020 09:53 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*98.7*		*85-110*	*%REC*	1	6/25/2020 05:04 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-EB001-061620 **Lab ID:** 20061640-05
Collection Date: 6/16/2020 10:08 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **BG**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 05:28 AM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	6/25/2020 05:28 AM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 05:28 AM
1,1-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 05:28 AM
1,1-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 05:28 AM
1,2-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 05:28 AM
1,2-Dichloropropane	ND		1.0	µg/L	1	6/25/2020 05:28 AM
2-Butanone	ND		5.0	µg/L	1	6/25/2020 05:28 AM
2-Hexanone	ND		5.0	µg/L	1	6/25/2020 05:28 AM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	6/25/2020 05:28 AM
Acetone	ND		10	µg/L	1	6/25/2020 05:28 AM
Benzene	ND		1.0	µg/L	1	6/25/2020 05:28 AM
Bromodichloromethane	ND		1.0	µg/L	1	6/25/2020 05:28 AM
Bromoform	ND		1.0	µg/L	1	6/25/2020 05:28 AM
Bromomethane	ND		1.0	µg/L	1	6/25/2020 05:28 AM
Carbon disulfide	ND		1.0	µg/L	1	6/25/2020 05:28 AM
Carbon tetrachloride	ND		1.0	µg/L	1	6/25/2020 05:28 AM
Chlorobenzene	ND		1.0	µg/L	1	6/25/2020 05:28 AM
Chloroethane	ND		1.0	µg/L	1	6/25/2020 05:28 AM
Chloroform	ND		1.0	µg/L	1	6/25/2020 05:28 AM
Chloromethane	ND		1.0	µg/L	1	6/25/2020 05:28 AM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 05:28 AM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 05:28 AM
Dibromochloromethane	ND		1.0	µg/L	1	6/25/2020 05:28 AM
Ethylbenzene	ND		1.0	µg/L	1	6/25/2020 05:28 AM
m,p-Xylene	ND		2.0	µg/L	1	6/25/2020 05:28 AM
Methylene chloride	ND		5.0	µg/L	1	6/25/2020 05:28 AM
o-Xylene	ND		1.0	µg/L	1	6/25/2020 05:28 AM
Styrene	ND		1.0	µg/L	1	6/25/2020 05:28 AM
Tetrachloroethene	ND		1.0	µg/L	1	6/25/2020 05:28 AM
Toluene	ND		1.0	µg/L	1	6/25/2020 05:28 AM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 05:28 AM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 05:28 AM
Trichloroethene	ND		1.0	µg/L	1	6/25/2020 05:28 AM
Vinyl chloride	ND		1.0	µg/L	1	6/25/2020 05:28 AM
Xylenes, Total	ND		3.0	µg/L	1	6/25/2020 05:28 AM
Surr: 1,2-Dichloroethane-d4	*100*		*75-120*	*%REC*	1	6/25/2020 05:28 AM
Surr: 4-Bromofluorobenzene	*100*		*80-110*	*%REC*	1	6/25/2020 05:28 AM
Surr: Dibromofluoromethane	*99.8*		*85-115*	*%REC*	1	6/25/2020 05:28 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-EB001-061620 **Lab ID:** 20061640-05
Collection Date: 6/16/2020 10:08 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*101*		*85-110*	*%REC*	1	6/25/2020 05:28 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-MW-27(18)-061620 **Lab ID:** 20061640-06
Collection Date: 6/16/2020 10:50 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **BG**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 05:52 AM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	6/25/2020 05:52 AM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 05:52 AM
1,1-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 05:52 AM
1,1-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 05:52 AM
1,2-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 05:52 AM
1,2-Dichloropropane	ND		1.0	µg/L	1	6/25/2020 05:52 AM
2-Butanone	ND		5.0	µg/L	1	6/25/2020 05:52 AM
2-Hexanone	ND		5.0	µg/L	1	6/25/2020 05:52 AM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	6/25/2020 05:52 AM
Acetone	ND		10	µg/L	1	6/25/2020 05:52 AM
Benzene	ND		1.0	µg/L	1	6/25/2020 05:52 AM
Bromodichloromethane	ND		1.0	µg/L	1	6/25/2020 05:52 AM
Bromoform	ND		1.0	µg/L	1	6/25/2020 05:52 AM
Bromomethane	ND		1.0	µg/L	1	6/25/2020 05:52 AM
Carbon disulfide	ND		1.0	µg/L	1	6/25/2020 05:52 AM
Carbon tetrachloride	ND		1.0	µg/L	1	6/25/2020 05:52 AM
Chlorobenzene	ND		1.0	µg/L	1	6/25/2020 05:52 AM
Chloroethane	ND		1.0	µg/L	1	6/25/2020 05:52 AM
Chloroform	ND		1.0	µg/L	1	6/25/2020 05:52 AM
Chloromethane	ND		1.0	µg/L	1	6/25/2020 05:52 AM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 05:52 AM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 05:52 AM
Dibromochloromethane	ND		1.0	µg/L	1	6/25/2020 05:52 AM
Ethylbenzene	ND		1.0	µg/L	1	6/25/2020 05:52 AM
m,p-Xylene	ND		2.0	µg/L	1	6/25/2020 05:52 AM
Methylene chloride	ND		5.0	µg/L	1	6/25/2020 05:52 AM
o-Xylene	ND		1.0	µg/L	1	6/25/2020 05:52 AM
Styrene	ND		1.0	µg/L	1	6/25/2020 05:52 AM
Tetrachloroethene	ND		1.0	µg/L	1	6/25/2020 05:52 AM
Toluene	ND		1.0	µg/L	1	6/25/2020 05:52 AM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 05:52 AM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 05:52 AM
Trichloroethene	ND		1.0	µg/L	1	6/25/2020 05:52 AM
Vinyl chloride	ND		1.0	µg/L	1	6/25/2020 05:52 AM
Xylenes, Total	ND		3.0	µg/L	1	6/25/2020 05:52 AM
Surr: 1,2-Dichloroethane-d4	*99.2*		*75-120*	*%REC*	1	6/25/2020 05:52 AM
Surr: 4-Bromofluorobenzene	*98.0*		*80-110*	*%REC*	1	6/25/2020 05:52 AM
Surr: Dibromofluoromethane	*98.0*		*85-115*	*%REC*	1	6/25/2020 05:52 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-MW-27(18)-061620 **Lab ID:** 20061640-06
Collection Date: 6/16/2020 10:50 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*100*		*85-110*	*%REC*	1	6/25/2020 05:52 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-MW-26(28.8)-061620 **Lab ID:** 20061640-07
Collection Date: 6/16/2020 11:45 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **BG**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 06:17 AM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	6/25/2020 06:17 AM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 06:17 AM
1,1-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 06:17 AM
1,1-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 06:17 AM
1,2-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 06:17 AM
1,2-Dichloropropane	ND		1.0	µg/L	1	6/25/2020 06:17 AM
2-Butanone	ND		5.0	µg/L	1	6/25/2020 06:17 AM
2-Hexanone	ND		5.0	µg/L	1	6/25/2020 06:17 AM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	6/25/2020 06:17 AM
Acetone	ND		10	µg/L	1	6/25/2020 06:17 AM
Benzene	ND		1.0	µg/L	1	6/25/2020 06:17 AM
Bromodichloromethane	ND		1.0	µg/L	1	6/25/2020 06:17 AM
Bromoform	ND		1.0	µg/L	1	6/25/2020 06:17 AM
Bromomethane	ND		1.0	µg/L	1	6/25/2020 06:17 AM
Carbon disulfide	ND		1.0	µg/L	1	6/25/2020 06:17 AM
Carbon tetrachloride	ND		1.0	µg/L	1	6/25/2020 06:17 AM
Chlorobenzene	ND		1.0	µg/L	1	6/25/2020 06:17 AM
Chloroethane	ND		1.0	µg/L	1	6/25/2020 06:17 AM
Chloroform	ND		1.0	µg/L	1	6/25/2020 06:17 AM
Chloromethane	ND		1.0	µg/L	1	6/25/2020 06:17 AM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 06:17 AM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 06:17 AM
Dibromochloromethane	ND		1.0	µg/L	1	6/25/2020 06:17 AM
Ethylbenzene	ND		1.0	µg/L	1	6/25/2020 06:17 AM
m,p-Xylene	ND		2.0	µg/L	1	6/25/2020 06:17 AM
Methylene chloride	ND		5.0	µg/L	1	6/25/2020 06:17 AM
o-Xylene	ND		1.0	µg/L	1	6/25/2020 06:17 AM
Styrene	ND		1.0	µg/L	1	6/25/2020 06:17 AM
Tetrachloroethene	ND		1.0	µg/L	1	6/25/2020 06:17 AM
Toluene	ND		1.0	µg/L	1	6/25/2020 06:17 AM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 06:17 AM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 06:17 AM
Trichloroethene	ND		1.0	µg/L	1	6/25/2020 06:17 AM
Vinyl chloride	ND		1.0	µg/L	1	6/25/2020 06:17 AM
Xylenes, Total	ND		3.0	µg/L	1	6/25/2020 06:17 AM
Surr: 1,2-Dichloroethane-d4	*99.1*		*75-120*	*%REC*	1	6/25/2020 06:17 AM
Surr: 4-Bromofluorobenzene	*97.0*		*80-110*	*%REC*	1	6/25/2020 06:17 AM
Surr: Dibromofluoromethane	*101*		*85-115*	*%REC*	1	6/25/2020 06:17 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-MW-26(28.8)-061620 **Lab ID:** 20061640-07
Collection Date: 6/16/2020 11:45 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*103*		*85-110*	*%REC*	1	6/25/2020 06:17 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-MW-26(58.2)-061620 **Lab ID:** 20061640-08
Collection Date: 6/16/2020 05:25 PM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **BG**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 06:41 AM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	6/25/2020 06:41 AM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 06:41 AM
1,1-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 06:41 AM
1,1-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 06:41 AM
1,2-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 06:41 AM
1,2-Dichloropropane	ND		1.0	µg/L	1	6/25/2020 06:41 AM
2-Butanone	ND		5.0	µg/L	1	6/25/2020 06:41 AM
2-Hexanone	ND		5.0	µg/L	1	6/25/2020 06:41 AM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	6/25/2020 06:41 AM
Acetone	ND		10	µg/L	1	6/25/2020 06:41 AM
Benzene	ND		1.0	µg/L	1	6/25/2020 06:41 AM
Bromodichloromethane	ND		1.0	µg/L	1	6/25/2020 06:41 AM
Bromoform	ND		1.0	µg/L	1	6/25/2020 06:41 AM
Bromomethane	ND		1.0	µg/L	1	6/25/2020 06:41 AM
Carbon disulfide	ND		1.0	µg/L	1	6/25/2020 06:41 AM
Carbon tetrachloride	ND		1.0	µg/L	1	6/25/2020 06:41 AM
Chlorobenzene	ND		1.0	µg/L	1	6/25/2020 06:41 AM
Chloroethane	ND		1.0	µg/L	1	6/25/2020 06:41 AM
Chloroform	ND		1.0	µg/L	1	6/25/2020 06:41 AM
Chloromethane	ND		1.0	µg/L	1	6/25/2020 06:41 AM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 06:41 AM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 06:41 AM
Dibromochloromethane	ND		1.0	µg/L	1	6/25/2020 06:41 AM
Ethylbenzene	ND		1.0	µg/L	1	6/25/2020 06:41 AM
m,p-Xylene	ND		2.0	µg/L	1	6/25/2020 06:41 AM
Methylene chloride	ND		5.0	µg/L	1	6/25/2020 06:41 AM
o-Xylene	ND		1.0	µg/L	1	6/25/2020 06:41 AM
Styrene	ND		1.0	µg/L	1	6/25/2020 06:41 AM
Tetrachloroethene	ND		1.0	µg/L	1	6/25/2020 06:41 AM
Toluene	ND		1.0	µg/L	1	6/25/2020 06:41 AM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 06:41 AM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 06:41 AM
Trichloroethene	ND		1.0	µg/L	1	6/25/2020 06:41 AM
Vinyl chloride	ND		1.0	µg/L	1	6/25/2020 06:41 AM
Xylenes, Total	ND		3.0	µg/L	1	6/25/2020 06:41 AM
Surr: 1,2-Dichloroethane-d4	*97.1*		*75-120*	*%REC*	1	6/25/2020 06:41 AM
Surr: 4-Bromofluorobenzene	*96.4*		*80-110*	*%REC*	1	6/25/2020 06:41 AM
Surr: Dibromofluoromethane	*97.0*		*85-115*	*%REC*	1	6/25/2020 06:41 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-MW-26(58.2)-061620 **Lab ID:** 20061640-08
Collection Date: 6/16/2020 05:25 PM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*99.6*		*85-110*	*%REC*	1	6/25/2020 06:41 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: Trip Blank **Lab ID:** 20061640-09
Collection Date: 6/16/2020 **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **BG**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 07:05 AM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	6/25/2020 07:05 AM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 07:05 AM
1,1-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 07:05 AM
1,1-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 07:05 AM
1,2-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 07:05 AM
1,2-Dichloropropane	ND		1.0	µg/L	1	6/25/2020 07:05 AM
2-Butanone	ND		5.0	µg/L	1	6/25/2020 07:05 AM
2-Hexanone	ND		5.0	µg/L	1	6/25/2020 07:05 AM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	6/25/2020 07:05 AM
Acetone	ND		10	µg/L	1	6/25/2020 07:05 AM
Benzene	ND		1.0	µg/L	1	6/25/2020 07:05 AM
Bromodichloromethane	ND		1.0	µg/L	1	6/25/2020 07:05 AM
Bromoform	ND		1.0	µg/L	1	6/25/2020 07:05 AM
Bromomethane	ND		1.0	µg/L	1	6/25/2020 07:05 AM
Carbon disulfide	ND		1.0	µg/L	1	6/25/2020 07:05 AM
Carbon tetrachloride	ND		1.0	µg/L	1	6/25/2020 07:05 AM
Chlorobenzene	ND		1.0	µg/L	1	6/25/2020 07:05 AM
Chloroethane	ND		1.0	µg/L	1	6/25/2020 07:05 AM
Chloroform	ND		1.0	µg/L	1	6/25/2020 07:05 AM
Chloromethane	ND		1.0	µg/L	1	6/25/2020 07:05 AM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 07:05 AM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 07:05 AM
Dibromochloromethane	ND		1.0	µg/L	1	6/25/2020 07:05 AM
Ethylbenzene	ND		1.0	µg/L	1	6/25/2020 07:05 AM
m,p-Xylene	ND		2.0	µg/L	1	6/25/2020 07:05 AM
Methylene chloride	ND		5.0	µg/L	1	6/25/2020 07:05 AM
o-Xylene	ND		1.0	µg/L	1	6/25/2020 07:05 AM
Styrene	ND		1.0	µg/L	1	6/25/2020 07:05 AM
Tetrachloroethene	ND		1.0	µg/L	1	6/25/2020 07:05 AM
Toluene	ND		1.0	µg/L	1	6/25/2020 07:05 AM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 07:05 AM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 07:05 AM
Trichloroethene	ND		1.0	µg/L	1	6/25/2020 07:05 AM
Vinyl chloride	ND		1.0	µg/L	1	6/25/2020 07:05 AM
Xylenes, Total	ND		3.0	µg/L	1	6/25/2020 07:05 AM
Surr: 1,2-Dichloroethane-d4	*98.0*		*75-120*	*%REC*	1	6/25/2020 07:05 AM
Surr: 4-Bromofluorobenzene	*97.6*		*80-110*	*%REC*	1	6/25/2020 07:05 AM
Surr: Dibromofluoromethane	*95.0*		*85-115*	*%REC*	1	6/25/2020 07:05 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: Trip Blank **Lab ID:** 20061640-09
Collection Date: 6/16/2020 **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*99.0*		*85-110*	*%REC*	1	6/25/2020 07:05 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-MW-6C-061620 **Lab ID:** 20061640-10
Collection Date: 6/16/2020 06:15 PM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **BG**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 07:29 AM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	6/25/2020 07:29 AM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 07:29 AM
1,1-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 07:29 AM
1,1-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 07:29 AM
1,2-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 07:29 AM
1,2-Dichloropropane	ND		1.0	µg/L	1	6/25/2020 07:29 AM
2-Butanone	ND		5.0	µg/L	1	6/25/2020 07:29 AM
2-Hexanone	ND		5.0	µg/L	1	6/25/2020 07:29 AM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	6/25/2020 07:29 AM
Acetone	ND		10	µg/L	1	6/25/2020 07:29 AM
Benzene	ND		1.0	µg/L	1	6/25/2020 07:29 AM
Bromodichloromethane	ND		1.0	µg/L	1	6/25/2020 07:29 AM
Bromoform	ND		1.0	µg/L	1	6/25/2020 07:29 AM
Bromomethane	ND		1.0	µg/L	1	6/25/2020 07:29 AM
Carbon disulfide	ND		1.0	µg/L	1	6/25/2020 07:29 AM
Carbon tetrachloride	ND		1.0	µg/L	1	6/25/2020 07:29 AM
Chlorobenzene	ND		1.0	µg/L	1	6/25/2020 07:29 AM
Chloroethane	ND		1.0	µg/L	1	6/25/2020 07:29 AM
Chloroform	ND		1.0	µg/L	1	6/25/2020 07:29 AM
Chloromethane	ND		1.0	µg/L	1	6/25/2020 07:29 AM
cis-1,2-Dichloroethene	**7.0**		**1.0**	**µg/L**	1	6/25/2020 07:29 AM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 07:29 AM
Dibromochloromethane	ND		1.0	µg/L	1	6/25/2020 07:29 AM
Ethylbenzene	ND		1.0	µg/L	1	6/25/2020 07:29 AM
m,p-Xylene	ND		2.0	µg/L	1	6/25/2020 07:29 AM
Methylene chloride	ND		5.0	µg/L	1	6/25/2020 07:29 AM
o-Xylene	ND		1.0	µg/L	1	6/25/2020 07:29 AM
Styrene	ND		1.0	µg/L	1	6/25/2020 07:29 AM
Tetrachloroethene	ND		1.0	µg/L	1	6/25/2020 07:29 AM
Toluene	ND		1.0	µg/L	1	6/25/2020 07:29 AM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 07:29 AM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 07:29 AM
Trichloroethene	ND		1.0	µg/L	1	6/25/2020 07:29 AM
Vinyl chloride	**4.1**		**1.0**	**µg/L**	1	6/25/2020 07:29 AM
Xylenes, Total	ND		3.0	µg/L	1	6/25/2020 07:29 AM
Surr: 1,2-Dichloroethane-d4	*96.8*		*75-120*	*%REC*	1	6/25/2020 07:29 AM
Surr: 4-Bromofluorobenzene	*97.2*		*80-110*	*%REC*	1	6/25/2020 07:29 AM
Surr: Dibromofluoromethane	*98.1*		*85-115*	*%REC*	1	6/25/2020 07:29 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-MW-6C-061620 **Lab ID:** 20061640-10
Collection Date: 6/16/2020 06:15 PM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*101*		*85-110*	*%REC*	1	6/25/2020 07:29 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-OW-2(53)-061620 **Lab ID:** 20061640-11
Collection Date: 6/17/2020 08:20 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **BG**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 07:53 AM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	6/25/2020 07:53 AM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 07:53 AM
1,1-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 07:53 AM
1,1-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 07:53 AM
1,2-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 07:53 AM
1,2-Dichloropropane	ND		1.0	µg/L	1	6/25/2020 07:53 AM
2-Butanone	ND		5.0	µg/L	1	6/25/2020 07:53 AM
2-Hexanone	ND		5.0	µg/L	1	6/25/2020 07:53 AM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	6/25/2020 07:53 AM
Acetone	ND		10	µg/L	1	6/25/2020 07:53 AM
Benzene	ND		1.0	µg/L	1	6/25/2020 07:53 AM
Bromodichloromethane	ND		1.0	µg/L	1	6/25/2020 07:53 AM
Bromoform	ND		1.0	µg/L	1	6/25/2020 07:53 AM
Bromomethane	ND		1.0	µg/L	1	6/25/2020 07:53 AM
Carbon disulfide	ND		1.0	µg/L	1	6/25/2020 07:53 AM
Carbon tetrachloride	ND		1.0	µg/L	1	6/25/2020 07:53 AM
Chlorobenzene	ND		1.0	µg/L	1	6/25/2020 07:53 AM
Chloroethane	ND		1.0	µg/L	1	6/25/2020 07:53 AM
Chloroform	ND		1.0	µg/L	1	6/25/2020 07:53 AM
Chloromethane	ND		1.0	µg/L	1	6/25/2020 07:53 AM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 07:53 AM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 07:53 AM
Dibromochloromethane	ND		1.0	µg/L	1	6/25/2020 07:53 AM
Ethylbenzene	ND		1.0	µg/L	1	6/25/2020 07:53 AM
m,p-Xylene	ND		2.0	µg/L	1	6/25/2020 07:53 AM
Methylene chloride	ND		5.0	µg/L	1	6/25/2020 07:53 AM
o-Xylene	ND		1.0	µg/L	1	6/25/2020 07:53 AM
Styrene	ND		1.0	µg/L	1	6/25/2020 07:53 AM
Tetrachloroethene	ND		1.0	µg/L	1	6/25/2020 07:53 AM
Toluene	ND		1.0	µg/L	1	6/25/2020 07:53 AM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 07:53 AM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 07:53 AM
Trichloroethene	ND		1.0	µg/L	1	6/25/2020 07:53 AM
Vinyl chloride	ND		1.0	µg/L	1	6/25/2020 07:53 AM
Xylenes, Total	ND		3.0	µg/L	1	6/25/2020 07:53 AM
Surr: 1,2-Dichloroethane-d4	*100*		*75-120*	*%REC*	1	6/25/2020 07:53 AM
Surr: 4-Bromofluorobenzene	*95.6*		*80-110*	*%REC*	1	6/25/2020 07:53 AM
Surr: Dibromofluoromethane	*96.9*		*85-115*	*%REC*	1	6/25/2020 07:53 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-OW-2(53)-061620 **Lab ID:** 20061640-11
Collection Date: 6/17/2020 08:20 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*101*		*85-110*	*%REC*	1	6/25/2020 07:53 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-OW-2(33)-061720 **Lab ID:** 20061640-12
Collection Date: 6/17/2020 09:18 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **BG**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 08:17 AM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	6/25/2020 08:17 AM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 08:17 AM
1,1-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 08:17 AM
1,1-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 08:17 AM
1,2-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 08:17 AM
1,2-Dichloropropane	ND		1.0	µg/L	1	6/25/2020 08:17 AM
2-Butanone	ND		5.0	µg/L	1	6/25/2020 08:17 AM
2-Hexanone	ND		5.0	µg/L	1	6/25/2020 08:17 AM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	6/25/2020 08:17 AM
Acetone	ND		10	µg/L	1	6/25/2020 08:17 AM
Benzene	ND		1.0	µg/L	1	6/25/2020 08:17 AM
Bromodichloromethane	ND		1.0	µg/L	1	6/25/2020 08:17 AM
Bromoform	ND		1.0	µg/L	1	6/25/2020 08:17 AM
Bromomethane	ND		1.0	µg/L	1	6/25/2020 08:17 AM
Carbon disulfide	ND		1.0	µg/L	1	6/25/2020 08:17 AM
Carbon tetrachloride	ND		1.0	µg/L	1	6/25/2020 08:17 AM
Chlorobenzene	ND		1.0	µg/L	1	6/25/2020 08:17 AM
Chloroethane	ND		1.0	µg/L	1	6/25/2020 08:17 AM
Chloroform	ND		1.0	µg/L	1	6/25/2020 08:17 AM
Chloromethane	ND		1.0	µg/L	1	6/25/2020 08:17 AM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 08:17 AM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 08:17 AM
Dibromochloromethane	ND		1.0	µg/L	1	6/25/2020 08:17 AM
Ethylbenzene	ND		1.0	µg/L	1	6/25/2020 08:17 AM
m,p-Xylene	ND		2.0	µg/L	1	6/25/2020 08:17 AM
Methylene chloride	ND		5.0	µg/L	1	6/25/2020 08:17 AM
o-Xylene	ND		1.0	µg/L	1	6/25/2020 08:17 AM
Styrene	ND		1.0	µg/L	1	6/25/2020 08:17 AM
Tetrachloroethene	ND		1.0	µg/L	1	6/25/2020 08:17 AM
Toluene	ND		1.0	µg/L	1	6/25/2020 08:17 AM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 08:17 AM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 08:17 AM
Trichloroethene	ND		1.0	µg/L	1	6/25/2020 08:17 AM
Vinyl chloride	ND		1.0	µg/L	1	6/25/2020 08:17 AM
Xylenes, Total	ND		3.0	µg/L	1	6/25/2020 08:17 AM
Surr: 1,2-Dichloroethane-d4	*103*		*75-120*	*%REC*	1	6/25/2020 08:17 AM
Surr: 4-Bromofluorobenzene	*97.9*		*80-110*	*%REC*	1	6/25/2020 08:17 AM
Surr: Dibromofluoromethane	*97.8*		*85-115*	*%REC*	1	6/25/2020 08:17 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-OW-2(33)-061720 **Lab ID:** 20061640-12
Collection Date: 6/17/2020 09:18 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*97.6*		*85-110*	*%REC*	1	6/25/2020 08:17 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-EB002-061720 **Lab ID:** 20061640-13
Collection Date: 6/17/2020 09:27 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **BG**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 08:41 AM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	6/25/2020 08:41 AM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 08:41 AM
1,1-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 08:41 AM
1,1-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 08:41 AM
1,2-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 08:41 AM
1,2-Dichloropropane	ND		1.0	µg/L	1	6/25/2020 08:41 AM
2-Butanone	ND		5.0	µg/L	1	6/25/2020 08:41 AM
2-Hexanone	ND		5.0	µg/L	1	6/25/2020 08:41 AM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	6/25/2020 08:41 AM
Acetone	ND		10	µg/L	1	6/25/2020 08:41 AM
Benzene	ND		1.0	µg/L	1	6/25/2020 08:41 AM
Bromodichloromethane	ND		1.0	µg/L	1	6/25/2020 08:41 AM
Bromoform	ND		1.0	µg/L	1	6/25/2020 08:41 AM
Bromomethane	ND		1.0	µg/L	1	6/25/2020 08:41 AM
Carbon disulfide	ND		1.0	µg/L	1	6/25/2020 08:41 AM
Carbon tetrachloride	ND		1.0	µg/L	1	6/25/2020 08:41 AM
Chlorobenzene	ND		1.0	µg/L	1	6/25/2020 08:41 AM
Chloroethane	ND		1.0	µg/L	1	6/25/2020 08:41 AM
Chloroform	ND		1.0	µg/L	1	6/25/2020 08:41 AM
Chloromethane	ND		1.0	µg/L	1	6/25/2020 08:41 AM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 08:41 AM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 08:41 AM
Dibromochloromethane	ND		1.0	µg/L	1	6/25/2020 08:41 AM
Ethylbenzene	ND		1.0	µg/L	1	6/25/2020 08:41 AM
m,p-Xylene	ND		2.0	µg/L	1	6/25/2020 08:41 AM
Methylene chloride	ND		5.0	µg/L	1	6/25/2020 08:41 AM
o-Xylene	ND		1.0	µg/L	1	6/25/2020 08:41 AM
Styrene	ND		1.0	µg/L	1	6/25/2020 08:41 AM
Tetrachloroethene	ND		1.0	µg/L	1	6/25/2020 08:41 AM
Toluene	ND		1.0	µg/L	1	6/25/2020 08:41 AM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 08:41 AM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 08:41 AM
Trichloroethene	ND		1.0	µg/L	1	6/25/2020 08:41 AM
Vinyl chloride	ND		1.0	µg/L	1	6/25/2020 08:41 AM
Xylenes, Total	ND		3.0	µg/L	1	6/25/2020 08:41 AM
Surr: 1,2-Dichloroethane-d4	*98.8*		*75-120*	*%REC*	1	6/25/2020 08:41 AM
Surr: 4-Bromofluorobenzene	*96.8*		*80-110*	*%REC*	1	6/25/2020 08:41 AM
Surr: Dibromofluoromethane	*98.6*		*85-115*	*%REC*	1	6/25/2020 08:41 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-EB002-061720 **Lab ID:** 20061640-13
Collection Date: 6/17/2020 09:27 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*98.2*		*85-110*	*%REC*	1	6/25/2020 08:41 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-OW-1(39)-061720 **Lab ID:** 20061640-14
Collection Date: 6/17/2020 10:07 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **BG**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 09:05 AM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	6/25/2020 09:05 AM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 09:05 AM
1,1-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 09:05 AM
1,1-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 09:05 AM
1,2-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 09:05 AM
1,2-Dichloropropane	ND		1.0	µg/L	1	6/25/2020 09:05 AM
2-Butanone	ND		5.0	µg/L	1	6/25/2020 09:05 AM
2-Hexanone	ND		5.0	µg/L	1	6/25/2020 09:05 AM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	6/25/2020 09:05 AM
Acetone	ND		10	µg/L	1	6/25/2020 09:05 AM
Benzene	ND		1.0	µg/L	1	6/25/2020 09:05 AM
Bromodichloromethane	ND		1.0	µg/L	1	6/25/2020 09:05 AM
Bromoform	ND		1.0	µg/L	1	6/25/2020 09:05 AM
Bromomethane	ND		1.0	µg/L	1	6/25/2020 09:05 AM
Carbon disulfide	ND		1.0	µg/L	1	6/25/2020 09:05 AM
Carbon tetrachloride	ND		1.0	µg/L	1	6/25/2020 09:05 AM
Chlorobenzene	ND		1.0	µg/L	1	6/25/2020 09:05 AM
Chloroethane	ND		1.0	µg/L	1	6/25/2020 09:05 AM
Chloroform	ND		1.0	µg/L	1	6/25/2020 09:05 AM
Chloromethane	ND		1.0	µg/L	1	6/25/2020 09:05 AM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 09:05 AM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 09:05 AM
Dibromochloromethane	ND		1.0	µg/L	1	6/25/2020 09:05 AM
Ethylbenzene	ND		1.0	µg/L	1	6/25/2020 09:05 AM
m,p-Xylene	ND		2.0	µg/L	1	6/25/2020 09:05 AM
Methylene chloride	ND		5.0	µg/L	1	6/25/2020 09:05 AM
o-Xylene	ND		1.0	µg/L	1	6/25/2020 09:05 AM
Styrene	ND		1.0	µg/L	1	6/25/2020 09:05 AM
Tetrachloroethene	ND		1.0	µg/L	1	6/25/2020 09:05 AM
Toluene	ND		1.0	µg/L	1	6/25/2020 09:05 AM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 09:05 AM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 09:05 AM
Trichloroethene	ND		1.0	µg/L	1	6/25/2020 09:05 AM
Vinyl chloride	ND		1.0	µg/L	1	6/25/2020 09:05 AM
Xylenes, Total	ND		3.0	µg/L	1	6/25/2020 09:05 AM
Surr: 1,2-Dichloroethane-d4	*102*		*75-120*	*%REC*	1	6/25/2020 09:05 AM
Surr: 4-Bromofluorobenzene	*99.0*		*80-110*	*%REC*	1	6/25/2020 09:05 AM
Surr: Dibromofluoromethane	*103*		*85-115*	*%REC*	1	6/25/2020 09:05 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-OW-1(39)-061720 **Lab ID:** 20061640-14
Collection Date: 6/17/2020 10:07 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*98.2*		*85-110*	*%REC*	1	6/25/2020 09:05 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-MW-14-061720 **Lab ID:** 20061640-15
Collection Date: 6/17/2020 11:33 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **BG**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 09:30 AM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	6/25/2020 09:30 AM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 09:30 AM
1,1-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 09:30 AM
1,1-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 09:30 AM
1,2-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 09:30 AM
1,2-Dichloropropane	ND		1.0	µg/L	1	6/25/2020 09:30 AM
2-Butanone	ND		5.0	µg/L	1	6/25/2020 09:30 AM
2-Hexanone	ND		5.0	µg/L	1	6/25/2020 09:30 AM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	6/25/2020 09:30 AM
Acetone	ND		10	µg/L	1	6/25/2020 09:30 AM
Benzene	ND		1.0	µg/L	1	6/25/2020 09:30 AM
Bromodichloromethane	ND		1.0	µg/L	1	6/25/2020 09:30 AM
Bromoform	ND		1.0	µg/L	1	6/25/2020 09:30 AM
Bromomethane	ND		1.0	µg/L	1	6/25/2020 09:30 AM
Carbon disulfide	ND		1.0	µg/L	1	6/25/2020 09:30 AM
Carbon tetrachloride	ND		1.0	µg/L	1	6/25/2020 09:30 AM
Chlorobenzene	ND		1.0	µg/L	1	6/25/2020 09:30 AM
Chloroethane	ND		1.0	µg/L	1	6/25/2020 09:30 AM
Chloroform	ND		1.0	µg/L	1	6/25/2020 09:30 AM
Chloromethane	ND		1.0	µg/L	1	6/25/2020 09:30 AM
cis-1,2-Dichloroethene	**2.0**		**1.0**	**µg/L**	1	6/25/2020 09:30 AM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 09:30 AM
Dibromochloromethane	ND		1.0	µg/L	1	6/25/2020 09:30 AM
Ethylbenzene	ND		1.0	µg/L	1	6/25/2020 09:30 AM
m,p-Xylene	ND		2.0	µg/L	1	6/25/2020 09:30 AM
Methylene chloride	ND		5.0	µg/L	1	6/25/2020 09:30 AM
o-Xylene	ND		1.0	µg/L	1	6/25/2020 09:30 AM
Styrene	ND		1.0	µg/L	1	6/25/2020 09:30 AM
Tetrachloroethene	ND		1.0	µg/L	1	6/25/2020 09:30 AM
Toluene	ND		1.0	µg/L	1	6/25/2020 09:30 AM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 09:30 AM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 09:30 AM
Trichloroethene	ND		1.0	µg/L	1	6/25/2020 09:30 AM
Vinyl chloride	**2.0**		**1.0**	**µg/L**	1	6/25/2020 09:30 AM
Xylenes, Total	ND		3.0	µg/L	1	6/25/2020 09:30 AM
Surr: 1,2-Dichloroethane-d4	*99.5*		*75-120*	*%REC*	1	6/25/2020 09:30 AM
Surr: 4-Bromofluorobenzene	*96.0*		*80-110*	*%REC*	1	6/25/2020 09:30 AM
Surr: Dibromofluoromethane	*97.1*		*85-115*	*%REC*	1	6/25/2020 09:30 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-MW-14-061720 **Lab ID:** 20061640-15
Collection Date: 6/17/2020 11:33 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*97.8*		*85-110*	*%REC*	1	6/25/2020 09:30 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-MW-26(17.5)-061620 **Lab ID:** 20061640-16
Collection Date: 6/16/2020 04:45 PM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260C**			Analyst: **BG**
1,1,1-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 09:54 AM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	6/25/2020 09:54 AM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	6/25/2020 09:54 AM
1,1-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 09:54 AM
1,1-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 09:54 AM
1,2-Dichloroethane	ND		1.0	µg/L	1	6/25/2020 09:54 AM
1,2-Dichloropropane	ND		1.0	µg/L	1	6/25/2020 09:54 AM
2-Butanone	ND		5.0	µg/L	1	6/25/2020 09:54 AM
2-Hexanone	ND		5.0	µg/L	1	6/25/2020 09:54 AM
4-Methyl-2-pentanone	ND		1.0	µg/L	1	6/25/2020 09:54 AM
Acetone	ND		10	µg/L	1	6/25/2020 09:54 AM
Benzene	ND		1.0	µg/L	1	6/25/2020 09:54 AM
Bromodichloromethane	ND		1.0	µg/L	1	6/25/2020 09:54 AM
Bromoform	ND		1.0	µg/L	1	6/25/2020 09:54 AM
Bromomethane	ND		1.0	µg/L	1	6/25/2020 09:54 AM
Carbon disulfide	ND		1.0	µg/L	1	6/25/2020 09:54 AM
Carbon tetrachloride	ND		1.0	µg/L	1	6/25/2020 09:54 AM
Chlorobenzene	ND		1.0	µg/L	1	6/25/2020 09:54 AM
Chloroethane	ND		1.0	µg/L	1	6/25/2020 09:54 AM
Chloroform	ND		1.0	µg/L	1	6/25/2020 09:54 AM
Chloromethane	ND		1.0	µg/L	1	6/25/2020 09:54 AM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 09:54 AM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 09:54 AM
Dibromochloromethane	ND		1.0	µg/L	1	6/25/2020 09:54 AM
Ethylbenzene	ND		1.0	µg/L	1	6/25/2020 09:54 AM
m,p-Xylene	ND		2.0	µg/L	1	6/25/2020 09:54 AM
Methylene chloride	ND		5.0	µg/L	1	6/25/2020 09:54 AM
o-Xylene	ND		1.0	µg/L	1	6/25/2020 09:54 AM
Styrene	ND		1.0	µg/L	1	6/25/2020 09:54 AM
Tetrachloroethene	ND		1.0	µg/L	1	6/25/2020 09:54 AM
Toluene	ND		1.0	µg/L	1	6/25/2020 09:54 AM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	6/25/2020 09:54 AM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	6/25/2020 09:54 AM
Trichloroethene	ND		1.0	µg/L	1	6/25/2020 09:54 AM
Vinyl chloride	ND		1.0	µg/L	1	6/25/2020 09:54 AM
Xylenes, Total	ND		3.0	µg/L	1	6/25/2020 09:54 AM
Surr: 1,2-Dichloroethane-d4	*101*		*75-120*	*%REC*	1	6/25/2020 09:54 AM
Surr: 4-Bromofluorobenzene	*99.8*		*80-110*	*%REC*	1	6/25/2020 09:54 AM
Surr: Dibromofluoromethane	*101*		*85-115*	*%REC*	1	6/25/2020 09:54 AM

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Project: TFS Rochester (3359-15-1040) **Work Order:** 20061640
Sample ID: ATR-MW-26(17.5)-061620 **Lab ID:** 20061640-16
Collection Date: 6/16/2020 04:45 PM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Toluene-d8	*99.6*		*85-110*	*%REC*	1	6/25/2020 09:54 AM

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

Batch ID: **R291581a** Instrument ID **VMS6** Method: **SW8260C**

MBLK Sample ID: **VBLKW2-200624-R291581a** Units: **µg/L** Analysis Date: **6/25/2020 02:40 AM**

Client ID: Run ID: **VMS6_200624B** SeqNo: **6512692** 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	*19.76*	0	*20*	0	*98.8*	*75-120*		0		
Surr: 4-Bromofluorobenzene	*19.74*	0	*20*	0	*98.7*	*80-110*		0		
Surr: Dibromofluoromethane	*19.03*	0	*20*	0	*95.2*	*85-115*		0		
Surr: Toluene-d8	*20.35*	0	*20*	0	*102*	*85-110*		0		

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Work Order: 20061640
Project: TFS Rochester (3359-15-1040)

QC BATCH REPORT

Batch ID: **R291581a** Instrument ID **VMS6** Method: **SW8260C**

LCS	Sample ID: **VLCSW2-200624-R291581a**				Units: **µg/L**			Analysis Date: **6/25/2020 01:28 AM**			
Client ID:		Run ID: **VMS6_200624B**			SeqNo: **6512690**		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	19.58	1.0	20	0	97.9	75-130	0			
1,1,2,2-Tetrachloroethane	19.94	1.0	20	0	99.7	75-130	0			
1,1,2-Trichloroethane	19.26	1.0	20	0	96.3	75-125	0			
1,1-Dichloroethane	19.08	1.0	20	0	95.4	68-142	0			
1,1-Dichloroethene	19.47	1.0	20	0	97.4	70-145	0			
1,2-Dichloroethane	17.88	1.0	20	0	89.4	78-125	0			
1,2-Dichloropropane	19.12	1.0	20	0	95.6	75-125	0			
2-Butanone	15.95	5.0	20	0	79.8	55-150	0			
2-Hexanone	20.04	5.0	20	0	100	60-135	0			
4-Methyl-2-pentanone	24.91	1.0	20	0	125	77-178	0			
Acetone	16.59	10	20	0	83	60-160	0			
Benzene	18.52	1.0	20	0	92.6	70-130	0			
Bromodichloromethane	20.31	1.0	20	0	102	75-125	0			
Bromoform	17.27	1.0	20	0	86.4	60-125	0			
Bromomethane	24.57	1.0	20	0	123	30-185	0			
Carbon disulfide	20.57	1.0	20	0	103	60-165	0			
Carbon tetrachloride	19.69	1.0	20	0	98.4	65-140	0			
Chlorobenzene	18.88	1.0	20	0	94.4	80-120	0			
Chloroethane	22.42	1.0	20	0	112	31-172	0			
Chloroform	18.32	1.0	20	0	91.6	66-135	0			
Chloromethane	22.7	1.0	20	0	114	46-148	0			
cis-1,2-Dichloroethene	18.43	1.0	20	0	92.2	75-134	0			
cis-1,3-Dichloropropene	20.29	1.0	20	0	101	70-130	0			
Dibromochloromethane	16.32	1.0	20	0	81.6	60-115	0			
Ethylbenzene	20.1	1.0	20	0	100	76-123	0			
m,p-Xylene	40.28	2.0	40	0	101	75-130	0			
Methylene chloride	19.29	5.0	20	0	96.4	72-125	0			
o-Xylene	20.07	1.0	20	0	100	76-127	0			
Styrene	20.79	1.0	20	0	104	83-137	0			
Tetrachloroethene	19.52	1.0	20	0	97.6	68-166	0			
Toluene	20.05	1.0	20	0	100	76-125	0			
trans-1,2-Dichloroethene	18.83	1.0	20	0	94.2	80-140	0			
trans-1,3-Dichloropropene	16.68	1.0	20	0	83.4	56-132	0			
Trichloroethene	18.52	1.0	20	0	92.6	77-125	0			
Vinyl chloride	22.74	1.0	20	0	114	50-136	0			
Xylenes, Total	60.35	3.0	60	0	101	76-127	0			
Surr: 1,2-Dichloroethane-d4	*19.04*	0	*20*	0	*95.2*	*75-120*	0			
Surr: 4-Bromofluorobenzene	*20.5*	0	*20*	0	*102*	*80-110*	0			
Surr: Dibromofluoromethane	*20.21*	0	*20*	0	*101*	*85-115*	0			
Surr: Toluene-d8	*20.21*	0	*20*	0	*101*	*85-110*	0			

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

Batch ID: **R291581a** Instrument ID **VMS6** Method: **SW8260C**

MS Sample ID: **20061640-10A MS** Units: **µg/L** Analysis Date: **6/25/2020 11:30 AM**

Client ID: **ATR-MW-6C-061620** Run ID: **VMS6_200624B** SeqNo: **6512714** 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	22.65	1.0	20	0	113	75-130	0			
1,1,2,2-Tetrachloroethane	20.67	1.0	20	0	103	75-130	0			
1,1,2-Trichloroethane	20.57	1.0	20	0	103	75-125	0			
1,1-Dichloroethane	22.34	1.0	20	0	112	68-142	0			
1,1-Dichloroethene	22.44	1.0	20	0	112	70-145	0			
1,2-Dichloroethane	19.85	1.0	20	0	99.2	78-125	0			
1,2-Dichloropropane	20.92	1.0	20	0	105	75-125	0			
2-Butanone	19.16	5.0	20	0	95.8	55-150	0			
2-Hexanone	22.68	5.0	20	0	113	60-135	0			
4-Methyl-2-pentanone	28.94	1.0	20	0	145	77-178	0			
Acetone	20.82	10	20	1.37	97.2	60-160	0			
Benzene	21.31	1.0	20	0	107	70-130	0			
Bromodichloromethane	22.01	1.0	20	0	110	75-125	0			
Bromoform	17.15	1.0	20	0	85.8	60-125	0			
Bromomethane	17.37	1.0	20	0	86.8	30-185	0			
Carbon disulfide	22.48	1.0	20	0	112	60-165	0			
Carbon tetrachloride	22.28	1.0	20	0	111	65-140	0			
Chlorobenzene	20.28	1.0	20	0	101	80-120	0			
Chloroethane	25.66	1.0	20	0	128	31-172	0			
Chloroform	19.78	1.0	20	0	98.9	66-135	0			
Chloromethane	23.27	1.0	20	0	116	46-148	0			
cis-1,2-Dichloroethene	27.1	1.0	20	6.99	101	75-134	0			
cis-1,3-Dichloropropene	20.49	1.0	20	0	102	70-130	0			
Dibromochloromethane	16.08	1.0	20	0	80.4	60-115	0			
Ethylbenzene	21.67	1.0	20	0	108	76-123	0			
m,p-Xylene	43.16	2.0	40	0	108	75-130	0			
Methylene chloride	20.56	5.0	20	0	103	72-125	0			
o-Xylene	21.52	1.0	20	0	108	76-127	0			
Styrene	21.71	1.0	20	0	109	83-137	0			
Tetrachloroethene	21.53	1.0	20	0	108	68-166	0			
Toluene	21.46	1.0	20	0	107	76-125	0			
trans-1,2-Dichloroethene	20.87	1.0	20	0	104	80-140	0			
trans-1,3-Dichloropropene	16.09	1.0	20	0	80.4	56-132	0			
Trichloroethene	21.38	1.0	20	0	107	77-125	0			
Vinyl chloride	31.16	1.0	20	4.09	135	50-136	0			
Xylenes, Total	64.68	3.0	60	0	108	76-127	0			
Surr: 1,2-Dichloroethane-d4	*20.17*	0	*20*	0	*101*	*75-120*	0			
Surr: 4-Bromofluorobenzene	*19.93*	0	*20*	0	*99.6*	*80-110*	0			
Surr: Dibromofluoromethane	*19.56*	0	*20*	0	*97.8*	*85-115*	0			
Surr: Toluene-d8	*19.91*	0	*20*	0	*99.6*	*85-110*	0			

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Work Order: 20061640
Project: TFS Rochester (3359-15-1040)

QC BATCH REPORT

Batch ID: **R291581a** Instrument ID **VMS6** Method: **SW8260C**

MSD Sample ID: **20061640-10A MSD** Units: **µg/L** Analysis Date: **6/25/2020 11:54 AM**
Client ID: **ATR-MW-6C-061620** Run ID: **VMS6_200624B** SeqNo: **6512715** 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	22.21	1.0	20	0	111	75-130	22.65	1.96	30	
1,1,2,2-Tetrachloroethane	22.13	1.0	20	0	111	75-130	20.67	6.82	30	
1,1,2-Trichloroethane	20.61	1.0	20	0	103	75-125	20.57	0.194	30	
1,1-Dichloroethane	22.07	1.0	20	0	110	68-142	22.34	1.22	30	
1,1-Dichloroethene	22.22	1.0	20	0	111	70-145	22.44	0.985	30	
1,2-Dichloroethane	20.12	1.0	20	0	101	78-125	19.85	1.35	30	
1,2-Dichloropropane	20.62	1.0	20	0	103	75-125	20.92	1.44	30	
2-Butanone	22.22	5.0	20	0	111	55-150	19.16	14.8	30	
2-Hexanone	23.94	5.0	20	0	120	60-135	22.68	5.41	30	
4-Methyl-2-pentanone	30.98	1.0	20	0	155	77-178	28.94	6.81	30	
Acetone	22.97	10	20	1.37	108	60-160	20.82	9.82	30	
Benzene	21.39	1.0	20	0	107	70-130	21.31	0.375	30	
Bromodichloromethane	22.85	1.0	20	0	114	75-125	22.01	3.74	30	
Bromoform	17.81	1.0	20	0	89	60-125	17.15	3.78	30	
Bromomethane	23.13	1.0	20	0	116	30-185	17.37	28.4	30	
Carbon disulfide	23.34	1.0	20	0	117	60-165	22.48	3.75	30	
Carbon tetrachloride	22.57	1.0	20	0	113	65-140	22.28	1.29	30	
Chlorobenzene	20.74	1.0	20	0	104	80-120	20.28	2.24	30	
Chloroethane	26.2	1.0	20	0	131	31-172	25.66	2.08	30	
Chloroform	20.26	1.0	20	0	101	66-135	19.78	2.4	30	
Chloromethane	27.26	1.0	20	0	136	46-148	23.27	15.8	30	
cis-1,2-Dichloroethene	27.37	1.0	20	6.99	102	75-134	27.1	0.991	30	
cis-1,3-Dichloropropene	20.86	1.0	20	0	104	70-130	20.49	1.79	30	
Dibromochloromethane	16.6	1.0	20	0	83	60-115	16.08	3.18	30	
Ethylbenzene	22.08	1.0	20	0	110	76-123	21.67	1.87	30	
m,p-Xylene	43.91	2.0	40	0	110	75-130	43.16	1.72	30	
Methylene chloride	21.73	5.0	20	0	109	72-125	20.56	5.53	30	
o-Xylene	21.97	1.0	20	0	110	76-127	21.52	2.07	30	
Styrene	21.72	1.0	20	0	109	83-137	21.71	0.0461	30	
Tetrachloroethene	20.47	1.0	20	0	102	68-166	21.53	5.05	30	
Toluene	21.84	1.0	20	0	109	76-125	21.46	1.76	30	
trans-1,2-Dichloroethene	21.77	1.0	20	0	109	80-140	20.87	4.22	30	
trans-1,3-Dichloropropene	16.44	1.0	20	0	82.2	56-132	16.09	2.15	30	
Trichloroethene	20.92	1.0	20	0	105	77-125	21.38	2.17	30	
Vinyl chloride	31.94	1.0	20	4.09	139	50-136	31.16	2.47	30	S
Xylenes, Total	65.88	3.0	60	0	110	76-127	64.68	1.84	30	
Surr: 1,2-Dichloroethane-d4	*19.61*	0	*20*	0	*98*	*75-120*	20.17	*2.82*	*30*	
Surr: 4-Bromofluorobenzene	*20.03*	0	*20*	0	*100*	*80-110*	19.93	*0.501*	*30*	
Surr: Dibromofluoromethane	*20.22*	0	*20*	0	*101*	*85-115*	19.56	*3.32*	*30*	
Surr: Toluene-d8	*19.64*	0	*20*	0	*98.2*	*85-110*	19.91	*1.37*	*30*	

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

Client: Wood Environment & Infrastructure Solutions, Inc.
Work Order: 20061640
Project: TFS Rochester (3359-15-1040)

QC BATCH REPORT

Batch ID: **R291581a** Instrument ID **VMS6** Method: **SW8260C**

The following samples were analyzed in this batch:

20061640-01A	20061640-02A	20061640-03A
20061640-04A	20061640-05A	20061640-06A
20061640-07A	20061640-08A	20061640-09A
20061640-10A	20061640-11A	20061640-12A
20061640-13A	20061640-14A	20061640-15A
20061640-16A		

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

+1 513 733 5336 Everett, WA +1 425 356 2600
+1 970 490 1511 Holland, MI +1 616 399 6070
+1 281 530 5656 Middletown, PA +1 717 944 5541
+1 610 948 4903 Salt Lake City, UT +1 801 266 7700
+1 304 356 3168 York, PA +1 717 505 5280

Chain of Custody Form

COC ID: 192419

ALS Project Manager: EB

ALS Work Order #: 20061640

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Textron - Accumulator	A	VOCs
Work Order		Project Number	335915104.0	B	
Company Name	Wood Environment & Infrastructure Solutions, Inc.	Bill To Company	Wood Environment & Infrastructure Solutions, Inc.	C	
Send Report To		Invoice Attn	Accounts Payable	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		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-OW-6(38)-061620	6/16/20	0815	GW	1	3	X										
2	ATR-OW-6(63)-061620	6/16/20	0903	GW	1	3	X										
3	ATR-MW-17-061620	6/16/20	0953	GW	1	3	X										
4	ATR-MW-17-061620-R	6/16/20	0953	GW	1	3	X										
5	ATR-EB001-061620	6/16/20	1008	Lab	1	3	X										
6	ATR-MW-27(18)-061620	6/16/20	1050	GW	1	3	X										
7	ATR-MW-26(28.5)-061620	6/16/20	1145	GW	1	3	X										
8	ATR-MW-26(17.5)-061620	6/16/20	1645	GW	1	3	X										
9	ATR-MW-26(58.2)-061620	6/16/20	1725	GW	1	3	X										
10	Trip Blank			Lab	1	2	X										

Sampler(s) Please Print & Sign: Gerald L. Dornbusch JR

Shipment Method:

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

Results Due Date:

Relinquished by:	Date: 6/17/20	Time: 1150	Received by:	
Relinquished by:	Date: 6/18/2020	Time: 1300	Received by (Laboratory):	
Logged by (Laboratory): KL	Date: 6/19/20	Time: 0915	Checked by (Laboratory): EB	

Notes:

Cooler ID	Cooler Temp.
SR1	3.2°C
PH20	

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

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

COC ID: 192418

ALS Project Manager: EB | ALS Work Order #: 2006640

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name		A	VOCs
Work Order		Project Number		B	
Company Name	Wood Environment & Infrastructure Solutions, Inc.	Bill To Company	Wood Environment & Infrastructure Solutions, Inc.	C	
Send Report To		Invoice Attn	Accounts Payable	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		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-MW-6C-061620	6/16/20	1815	GW	1	3	X										
2	ATR-MW-6C-061620 MS/MSD	6/16/20	1815	GW	1	6	X										
3	ATR-OW-2(53)-061720	6/17/20	0820	GW	1	3	X										
4	ATR-OW-2(33)-061720	6/17/20	0918	GW	1	3	X										
5	ATR-EB002-061720	6/17/20	0927	~~GW~~ EB	1	3	X										
6	ATR-OW-1(35)-061720	6/17/20	1007	GW	1	3	X										
7	ATR-MW-14-061720	6/17/20	1133	GW	1	3	X										
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Gerald L. Draughon Jr.

Shipment Method:

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

Results Due Date:

	Date:	Time:		
Relinquished by:	6/17/20	1150	Received by:	
Relinquished by:	6/18/2020	1300	Received by (Laboratory):	
Logged by (Laboratory): KW	6/19/20	0915	Checked by (Laboratory): BB	

Notes:

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)
☐ Level II Std QC ☐ TRRP CheckList
☐ Level III Std QC/Raw Data ☐ TRRP Level IV
☑ Level IV SW846/CLP
☐ 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: **18-Jun-20 13:00**

Work Order: **20061640** Received by: **KRW**

Checklist completed by Keith Wierenga eSignature 19-Jun-20 Date Reviewed by: Ehrland Bosworth eSignature 19-Jun-20 Date

Matrices: Water
Carrier name: Courier

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):	3.2/3.2 C	SR1	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	6/19/2020 9:19:40 AM		
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
JUNE 2020 GROUNDWATER SAMPLING
TEXTRON FORMER TORX FACILITY
ROCHESTER, INDIANA

1.0 INTRODUCTION

Groundwater samples were collected during monitoring well sampling completed in June 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 8260B

Sample results were validated using general procedures in the USEPA National Data Validation Guidelines (USEPA, 1999), Indiana Department of Environmental Management (IDEM) data validation 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. Full validation was completed on ten percent of the samples. Full validation was completed on a subset of samples in SDG 20061640. Full validation includes review of raw instrument data, lab notebook records, and calculation checks in addition to the following parameters:

- laboratory report narrative
- sample chain of custody/sample receipt records
- sample preservation and holding times
- instrument tuning and calibration
- 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

Level II validation was completed on the remaining ninety percent of the data 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

A summary of qualification actions is presented on 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.

U – undetected
J - estimated value

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

QC BLANKS

Results for equipment blanks ATR-EB001-061620 and ATR-EB002-061720 were included in the hardcopy laboratory report but not included in the laboratory electronic data deliverable (EDD). The samples are therefore not included in any tables. The results were reviewed based on information in the provided lab report, and no qualifications/actions are associated with these samples.

MS/MSD

The result for vinyl chloride in sample ATR-MW-6C-061620 was qualified as estimated (J) due to MS/MSD percent recoveries (MS recovery: 135; MSD recovery: 139) outside the QAPP specified control limits (70-130), indicating potential high bias. Qualified results are summarized in Table 3 and were assigned reason code MSH.

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), 1999. "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review"; Office of Emergency and Remedial Response; EPA-540/R-99/008; October 1999.

Data Validator: Shawna Couplin

Shawna Couplin

Date: August 18, 2020

Report Reviewed by: Chris Ricardi, NRCC_EAC

Chris Ricardi

Date: August 18, 2020

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

SDG	Location	Field Sample ID	Sample Date	Media	Lab ID	Type	SW8260C VOCs Count
20061640	MW-14	ATR-MW-14-061720	6/17/2020 11:33	GW	20061640-15A	FS	36
20061640	MW-17	ATR-MW-17-061620	6/16/2020 9:53	GW	20061640-03A	FS	36
20061640	MW-17	ATR-MW-17-061620-R	6/16/2020 9:53	GW	20061640-04A	FD	36
20061640	MW-26(17.5)	ATR-MW-26(17.5)-061620	6/16/2020 16:45	GW	20061640-16A	FS	36
20061640	MW-26(28.8)	ATR-MW-26(28.8)-061620	6/16/2020 11:45	GW	20061640-07A	FS	36
20061640	MW-26(58.8)	ATR-MW-26(58.2)-061620	6/16/2020 17:25	GW	20061640-08A	FS	36
20061640	MW-27(18)	ATR-MW-27(18)-061620	6/16/2020 10:50	GW	20061640-06A	FS	36
20061640	MW-6C	ATR-MW-6C-061620	6/16/2020 18:15	GW	20061640-10A	FS	36
20061640	OW-01(39)	ATR-OW-1(39)-061720	6/17/2020 10:07	GW	20061640-14A	FS	36
20061640	OW-02(33)	ATR-OW-2(33)-061720	6/17/2020 9:18	GW	20061640-12A	FS	36
20061640	OW-02(53)	ATR-OW-2(53)-061620	6/17/2020 8:20	GW	20061640-11A	FS	36
20061640	OW-06(38)	ATR-OW-6(38)-061620	6/16/2020 8:15	GW	20061640-01A	FS	36
20061640	OW-06(63)	ATR-OW-6(63)-061620	6/16/2020 9:03	GW	20061640-02A	FS	36
20061640	QC	ATR-EB001-061620 *	6/16/2020 0:00	BW	20061640-05	EB	36
20061640	QC	ATR-EB002-061720 *	6/17/2020 0:00	BW	20061640-13	EB	36
20061640	QC	Trip Blank	6/16/2020 0:00	BW	20061640-09A	TB	36

Created by: BCG 8/17/2020
Checked by: SRC 8/17/2020

TABLE 2 - QC LIMITS
DATA VALIDATION REPORT
JUNE 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 - SUMMARY OF QUALIFICATION ACTIONS
SAMPLE AND ANALYSIS SUMMARY
DATA VALIDATION REPORT
JUNE 2020 GROUNDWATER SAMPLING
TEXTRON FORMER TORX FACILITY
ROCHESTER, INDIANA

Lab Sample Delivery Group	Analysis Method	Lab Sample Id	Field Sample Id	Fraction	Param Name	Lab Result	Lab Qualifier	Final Result	Final Qualifier	Val Reason Code	Unit
20061640	SW8260C	20061640-10A	ATR-MW-6C-061620	N	Vinyl chloride	4.1		4.1	J	MSH	UG/L

Notes:
MSH = matrix spike recovery high
J = value is estimated
U = not detected, value is the detection limit
UG/L = microgram per liter

Created by: BCG 8/18/2020
Checked by: SRC 8/18/2020

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

			20061640 MW-14 6/17/2020 ATR-MW-14-061720 FS		20061640 MW-17 6/16/2020 ATR-MW-17-061620 FS		20061640 MW-17 6/16/2020 ATR-MW-17-061620-R FD		20061640 MW-26(17.5) 6/16/2020 ATR-MW-26(17.5)-061620 FS		20061640 MW-26(28.8) 6/16/2020 ATR-MW-26(28.8)-061620 FS		20061640 MW-26(58.8) 6/16/2020 ATR-MW-26(58.2)-061620 FS		20061640 MW-27(18) 6/16/2020 ATR-MW-27(18)-061620 FS	
Method	Parameter	Unit	Final Result Text	Final Qualifier	Final Result Text	Final Qualifier	Final Result Text	Final Qualifier	Final Result Text	Final Qualifier	Final Result Text	Final Qualifier	Final Result Text	Final Qualifier	Final Result Text	Final Qualifier
SW8260C	1,1,1-Trichloroethane	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	1,1,2,2-Tetrachloroethane	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	1,1,2-Trichloroethane	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	1,1-Dichloroethane	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	1,1-Dichloroethene	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	1,2-Dichloroethane	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	1,2-Dichloropropane	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	2-Butanone	UG/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8260C	2-Hexanone	UG/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8260C	4-Methyl-2-pentanone	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Acetone	UG/L	10	U	10	U	10	U	10	U	10	U	10	U	10	U
SW8260C	Benzene	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Bromodichloromethane	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Bromoform	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Bromomethane	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Carbon disulfide	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Carbon tetrachloride	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Chlorobenzene	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Chloroethane	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Chloroform	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Chloromethane	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	cis-1,2-Dichloroethene	UG/L	2		22		22		1	U	1	U	1	U	1	U
SW8260C	cis-1,3-Dichloropropene	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Dibromochloromethane	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Ethylbenzene	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Methylene chloride	UG/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8260C	Styrene	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Tetrachloroethene	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Toluene	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	trans-1,2-Dichloroethene	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	trans-1,3-Dichloropropene	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Trichloroethene	UG/L	1	U	17		17		1	U	1	U	1	U	1	U
SW8260C	Vinyl chloride	UG/L	2		3.6		3.8		1	U	1	U	1	U	1	U
SW8260C	Xylene, o	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Xylenes (m&p)	UG/L	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8260C	Xylenes, Total	UG/L	3	U	3	U	3	U	3	U	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

Created by: BCG 8/18/2020
Checked by : SRC 8/18/2020

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

			20061640 MW-6C 6/16/2020 ATR-MW-6C-061620 FS		20061640 OW-01(39) 6/17/2020 ATR-OW-1(39)-061720 FS		20061640 OW-02(33) 6/17/2020 ATR-OW-2(33)-061720 FS		20061640 OW-02(53) 6/17/2020 ATR-OW-2(53)-061620 FS		20061640 OW-06(38) 6/16/2020 ATR-OW-6(38)-061620 FS		20061640 OW-06(63) 6/16/2020 ATR-OW-6(63)-061620 FS		20061640 QC 6/16/2020 Trip Blank TB	
Method	Parameter	Unit	Final Result Text	Final Qualifier	Final Result Text	Final Qualifier	Final Result Text	Final Qualifier	Final Result Text	Final Qualifier	Final Result Text	Final Qualifier	Final Result Text	Final Qualifier	Final Result Text	Final Qualifier
SW8260C	1,1,1-Trichloroethane	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	1,1,2,2-Tetrachloroethane	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	1,1,2-Trichloroethane	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	1,1-Dichloroethane	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	1,1-Dichloroethene	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	1,2-Dichloroethane	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	1,2-Dichloropropane	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	2-Butanone	UG/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8260C	2-Hexanone	UG/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8260C	4-Methyl-2-pentanone	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Acetone	UG/L	10	U	10	U	10	U	10	U	10	U	10	U	10	U
SW8260C	Benzene	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Bromodichloromethane	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Bromoform	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Bromomethane	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Carbon disulfide	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Carbon tetrachloride	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Chlorobenzene	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Chloroethane	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Chloroform	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Chloromethane	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	cis-1,2-Dichloroethene	UG/L	7		1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	cis-1,3-Dichloropropene	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Dibromochloromethane	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Ethylbenzene	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Methylene chloride	UG/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8260C	Styrene	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Tetrachloroethene	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Toluene	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	trans-1,2-Dichloroethene	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	trans-1,3-Dichloropropene	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Trichloroethene	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Vinyl chloride	UG/L	4.1	J	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Xylene, o	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Xylenes (m&p)	UG/L	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8260C	Xylenes, Total	UG/L	3	U	3	U	3	U	3	U	3	U	3	U	3	U

Notes:
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