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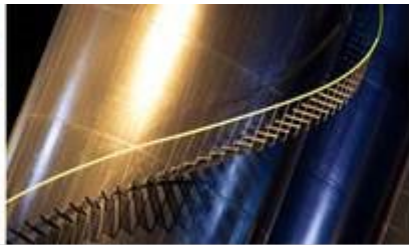
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Remedial Progress Report

Reed Manufacturing Services

Franklin, Indiana

State Cleanup Incident #: 2013-42015



Ramboll US Consulting, Inc.
One Indiana Square
Suite 2335
Indianapolis, IN 46204
USA
T +1 317 423 8710
www.ramboll.com

**Remedial Progress Report
Reed Manufacturing Services – Franklin, IN
State Cleanup Site # 2013-42015**

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1. INTRODUCTION

Ramboll US Consulting, Inc. (Ramboll) has prepared this Remedial Progress Report (Report) for the RCO-Reed Corporation d/b/a Reed Manufacturing Services (Reed) facility located at 1056 Eastview Drive in Franklin, Johnson County, Indiana (Site). The Site is illustrated on **Figure 1**. The Indiana Department of Environmental Management (IDEM) State Cleanup identification number for the Site is 2013-42015.

This Report follows the *Source Area Remediation Report*, dated April 24, 2020, which documented the remediation of an apparent source area on the far southeast portion of the Site property and on the adjacent Hurricane Road Industrial Development (HRID) property (IDEM Site #2013-34567). This Report also follows three prior Remedial Progress Reports, dated September 15, 2020, January 22, 2021 and May 20, 2021, which together documented the first four post-remediation groundwater monitoring events. IDEM provided a review letter to the January 22, 2021 *Remedial Progress Report* on March 30, 2021. The IDEM letter agreed with the planned additional monitoring to evaluate the remedy effectiveness, and that plume behavior monitoring can be considered.

A summary of the Site remediation activities is provided in Section 2 below. To monitor the effectiveness of the source area remediation, Ramboll proposed quarterly monitoring of a subset of the on-Site and off-Site monitoring wells. In accordance with Section 5 of the *Source Area Remediation Report*, the sampling plan included sampling on-Site wells MW-3, MW-5, and MW-7 and off-Site wells MW-11, MW-23, MW-30, and MW-31. The fifth post-remediation sampling event was conducted in June 2021 and is documented in Sections 3 and 4 below.

2. COMPLETED REMEDIATION

The following section provides a summary of the source area remediation activities conducted in February and March 2020. The remediation included soil excavation and application of a groundwater treatment via an infiltration gallery installed at the bottom of the excavation. The footprint of the remediation area is included on **Figure 1**.

2.1 Excavation

The soil excavation area was identified based on existing soil analytical data and ended up being approximately 5,200 square feet in area located in the southeastern portion of the Site property and onto the adjacent HRID property. The excavation occurred between February 12-19, 2020 and generally followed the sloping topography, extending to approximately 13 feet below ground surface (bgs) in the northern portion of the excavation and to approximately 8 feet bgs in the southern portion. The total depth of the excavation extended to the water table. Approximately 2,500 tons of non-hazardous soil and debris were removed and disposed of at a properly permitted facility. Confirmation samples were collected from the bottom of the excavation and along sidewalls in accordance with IDEM guidance. All confirmation sample results were below the established remedial target concentration of 1 part per million (ppm) for tetrachloroethene (PCE) and trichloroethene (TCE). The excavation was backfilled between February 24 and 27, 2020 after installation of the infiltration gallery as discussed below.

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2.2 Groundwater Treatment

The November 25, 2019 IDEM letter approving the *Source Area Remedial Plan* recommended applying a groundwater treatment product during the excavation. After the soil excavation was completed and prior to backfilling, an infiltration gallery constructed of 4-inch diameter perforated polyvinyl chloride (PVC) was placed in the bottom of the excavation and brought to grade with a riser pipe. Five horizontal PVC lines were installed generally perpendicular to groundwater flow. Following construction of the infiltration gallery, the excavation was backfilled with a generally coarse-grained pit run soil and compacted with a skid steer. On March 3-5, 2020, a solution of approximately 7,025 gallons of water mixed with 3,097 pounds of potassium permanganate was injected into the infiltration gallery for dispersion into the saturated zone below the excavated area.

3. GROUNDWATER MONITORING

The following sections describe the groundwater monitoring methodology, groundwater flow trends, and the analytical results from the June 10-11, 2021 monitoring event.

3.1 Methodology

Ramboll completed monitoring well sampling activities on June 10-11, 2021 using low-flow purge techniques. All on-Site monitoring wells were gauged, and a subset of the Site monitoring wells and four wells on the adjacent HRID site were sampled to evaluate the effectiveness of the excavation and groundwater remediation over time. Specifically, the monitoring wells sampled included on-Site wells MW-3, MW-5, and MW-7, and off-site wells MW-11, MW-23, MW-30, and MW-31.

All monitoring wells were gauged with an electronic water level indicator. The monitoring wells were purged using United States Environmental Protection Agency (USEPA) low flow procedures and immediately sampled thereafter using a QED Sample Pro Bladder Pump and new disposable low-density polyethylene tubing. During the purge process, water quality parameters including pH, temperature, dissolved oxygen (DO), oxidation-reduction potential (ORP), specific conductivity, and turbidity were monitored and recorded. Following the stabilization of groundwater quality field parameters, groundwater samples were collected into laboratory-provided sample containers and packed on ice for delivery to the Pace Analytical Laboratory in Indianapolis, Indiana (Pace). A HACH manganese high range pocket colorimeter II field kit was used to evaluate the presence of residual permanganate in the groundwater. Groundwater sampling field data forms are provided in **Appendix A**.

Groundwater and quality assurance and quality control (QA/QC) samples were submitted under proper chain of custody to Pace for analysis of volatile organic compounds (VOCs) by EPA Method 8260. Groundwater monitoring samples were reported with Level II data quality objective (DQO).

All purge water and decontamination water were containerized on-Site in a 55-gallon steel drum. The purge water waste was disposed of at an off-Site disposal facility in accordance with State and Federal regulations, including a "Contained-In" Determination for the Site issued by IDEM on December 28, 2020.

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3.2 QA/QC Measures

QA/QC samples were collected in accordance with USEPA protocols for Level IV data, as described in USEPA's DQO for Remedial Response Activities, Volumes 1 and II (USEPA, 1987), and per IDEM's Minimum Data Reporting Requirements. Specifically,

- A field duplicate sample was collected with MW-30 during the June 2021 event,
- A trip blank was maintained with the groundwater samples,
- An equipment blank was collected, and
- Laboratory method blanks, matrix spikes, matrix spike replicates, surrogate spikes, analytical replicates, and laboratory replicates were analyzed at the laboratory to evaluate bias due to samples preparation and analysis, equipment performance and precision, and analytical bias and precision.

Field documentation included sample collection records, quality control records, general field procedures, and corrective action reports for any deviations from the standard field procedures and practices. Field documentation was recorded in the field notebook on a daily basis. Laboratory documentation includes chain-of-custody forms, management records, test methods, laboratory data sheets, internal QA/QC documentation, and documentation of regular equipment maintenance and calibration.

3.3 Groundwater Flow

Table 1 summarizes all groundwater elevation data collected at the Site. The potentiometric surface map from the June 11, 2021 gauging event is included as **Figure 2**. Groundwater flow trends in a general easterly to southeasterly direction in June 2021, which is consistent with prior monitoring events. The June 2021 groundwater elevations at most locations were approximately 0.1 to 0.3 higher than the prior gauging event in March 2021. In general, the water table during the June 2021 monitoring event was near the average for past events, dating back to October 2014.

3.4 Groundwater Analytical Results

The June 2021 groundwater sampling analytical results are summarized in **Table 2** and **Figure 3**, and the laboratory reports are included in **Appendix B**. Groundwater analytical results from all monitoring well sampling events to date from the subset of wells, as well as data from the adjacent HRID site are included in **Table 2** and on **Figure 3**.

With the exception of MW-23, PCE and TCE concentrations were generally consistent with previous sampling events. The PCE and TCE concentrations increased some at MW-23 during the June 2021 sampling event. PCE and TCE were detected at each of the on-Site wells (MW-3, MW-5, and MW-7), and the TCE concentration at MW-7 (45.3 µg/L) was the only CVESL exceedances of these detections. Of note, PCE and TCE is typically non-detect at MW-3 using a laboratory reporting limit of 5 ug/L; however, the laboratory used a reporting limit of 1 ug/L resulting in very low detections in that sample. PCE and TCE were detected at off-Site wells MW-11, MW-23, and MW-30 in June 2021, with the highest concentrations occurring at MW-30 (541 µg/L of PCE and 226 µg/L of TCE). Both PCE and TCE exceeded the CVESL at MW-30, and the TCE concentrations at MW-11 and MW-23 also exceeded the CVESL. At deep well MW-31, which is typically non-detect at a laboratory reporting limit of 5 µg/L, a detection of 2.8 µg/L cis-1,2-dichloroethene was reported. No other VOCs were detected above the laboratory reporting limit in the monitoring wells sampled.

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Figure 4 depicts the PCE and TCE concentrations at select wells in relation to groundwater elevations. Based on the available data, it still remains unclear if the PCE and TCE concentration trends are related to fluctuations in groundwater elevations, especially at MW-30. Additional monitoring data may determine whether a relationship exists and if there are any seasonal trends.

Per the April 24, 2020 *Source Area Remediation Report*, the proposed remedial goal was for PCE and TCE concentrations to meet the IDEM RCG commercial vapor exposure screening level (CVESL) at off-Site monitoring wells MW-11 and MW-30, which are located downgradient from the remediation area. As mentioned in the May 20, 2021 *Remedial Progress Report*, a plume stability approach is proposed to be the remedial goal instead of meeting the CVESL at MW-11 and MW-30. A preliminary plume stability evaluation has been conducted using the five post remediation groundwater monitoring events. The results are provided in **Appendix C**. Based on this data set, the PCE trend is stable at all wells with detections, and TCE is stable at all wells with detections, except for MW-30, where there is “No Trend”.

Table 3 summarizes the stabilized field parameter data during the groundwater monitoring, as well as the field manganese data. Groundwater field parameters are generally consistent amongst the shallow monitoring wells. Ph and specific conductivity have been generally consistent at the Site. ORP levels continue to be positive in the shallow wells, and was negative in deep well MW-31 in June 2021. The ORP levels were notably more positive at MW-11 and MW-30 compared to other wells. DO readings have been somewhat variable, but are higher in shallow groundwater than in deeper groundwater at MW-31. The field manganese readings in June 2021 were more prevalent at MW-7 and at the off-Site wells than at on-Site wells MW-3 and MW-5. The manganese readings increased at MW-11, MW-30 and MW-31 since March 2021.

4. CONCLUSIONS

This Report documents the fifth groundwater monitoring event following the February-March 2020 source area remedial activities at the Site and extending onto the adjacent HRID property. The groundwater flow trend and contaminant concentrations in June 2021 were similar to recent prior monitoring events. The only CVESL exceedance for PCE occurred at MW-30, and TCE exceeded the CVESL at MW-7, MW-11, MW-23, and MW-30. PCE and TCE were not detected at MW-31, indicating that deeper groundwater impacts have not occurred in this area. A preliminary plume stability evaluation was conducted using the five post remediation groundwater monitoring events. The PCE trend is currently stable at all wells with detections, and TCE is stable at all wells with detections, except for MW-30, where there is “No Trend”. Quarterly groundwater monitoring will continue.

An additional groundwater treatment is being considered to ensure a timelier plume stability demonstration in support of Site closure for the Reed site. Groundwater remediation activities are being initiated on the HRID site per the Remediation Work Plan for the HRID, dated June 18, 2021. The upcoming Third Quarter 2021 groundwater sampling event will be conducted in a similar manner as the June 2021 event.

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State Cleanup Site # 2013-42015**

5. REFERENCES

- Indiana Department of Environmental Management (IDEM). 2012. Remediation Closure Guide. March 22, with updates through 2021.
- IDEM. 2019. Source Area Remedial Plan Approval Letter. November 25.
- IDEM. 2020. "Contained-In" Determination for Contaminated Groundwater. December 28.
- IDEM. 2021. Source Area Remediation, Remedial Progress Report (comment letter). January 20.
- IDEM. 2021. Remedial Progress Report Review (comment letter). March 30.
- Patriot Engineering and Environmental, Inc. 2021. Remediation Work Plan, Hurricane Road Industrial Development / Former Houghland Tomato Cannery. June 18.
- Ramboll US Consulting, Inc. (Ramboll). 2019. Source Area Remedial Plan. September 9.
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- Ramboll. 2020. Request for Contained-In Determination. December 22.
- Ramboll. 2021. Remedial Progress Report. January 22.
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- United States Environmental Protection Agency (USEPA). 1987. Data Quality Objectives for Remedial Response Activities.

**Remedial Progress Report
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State Cleanup Site # 2013-42015**

TABLES

Table 1
Groundwater Elevation Data
Reed Manufacturing Services
Franklin, Indiana
IDEM State Cleanup # 2013-42015

Monitoring Well ID	TOC Elevation (feet amsl)	Ground Elevation (feet amsl)	Screen Interval (feet bgs)	Screen Elevation (feet amsl)	Date Gauged	DTW (feet)	GW Elevation (feet amsl)
On-Site Monitoring Wells							
MW-1	736.91	737.05	9-19	718.05-728.05	10/02/14	13.39	723.52
					10/09/15	13.39	723.52
					01/26/16	11.51	725.40
					08/31/16	11.83	725.08
					08/21/17	12.16	724.75
					03/04/19	9.88	727.03
					06/29/20	12.01	724.90
					09/25/20	13.82	723.09
					12/04/20	13.38	723.53
					03/05/21	12.51	724.40
06/11/21	12.40	724.51					
MW-1D	735.95	736.31	25-30	706.31-711.31	08/21/17	12.18	723.77
					03/04/19	10.12	725.83
					06/29/20	11.89	724.06
					09/25/20	13.59	722.36
					12/04/20	13.70	722.25
					03/05/21	12.57	723.38
06/11/21	12.35	723.60					
MW-2	736.73	737.32	9-19	718.32-728.32	10/02/14	13.60	723.13
					10/09/15	13.55	723.18
					01/26/16	11.94	724.79
					08/31/16	12.06	724.67
					08/21/17	12.43	724.30
					03/04/19	10.50	726.23
					06/29/20	12.10	724.63
					09/25/20	13.99	722.74
					12/04/20	14.20	722.53
					03/05/21	13.08	723.65
06/11/21	12.65	724.08					
MW-3	739.56	739.86	12-22	717.86-727.86	10/02/14	16.80	722.76
					10/09/15	16.72	722.84
					01/26/16	15.06	724.50
					08/31/16	15.20	724.36
					08/21/17	15.56	724.00
					03/04/19	13.52	726.04
					06/29/20	15.28	724.28
					09/25/20	17.08	722.48
					12/04/20	17.23	722.33
					03/05/21	16.12	723.44
06/11/21	15.80	723.76					
MW-4	738.81	739.19	12-22	716.81-726.81	10/09/15	15.95	722.86
					01/26/16	14.22	724.59
					08/31/16	14.33	724.48
					08/21/17	14.73	724.08
					03/04/19	12.65	726.16
					06/29/20	14.49	724.32
					09/25/20	16.31	722.50
					12/04/20	16.50	722.31
					03/05/21	15.29	723.52
					06/11/21	15.01	723.80
MW-5	733.30	733.51	7-17	716.3-726.3	10/09/15	10.72	722.58
					01/26/16	9.09	724.21
					08/31/16	9.28	724.02
					08/21/17	9.61	723.69
					03/04/19	7.71	725.59
					06/29/20	9.28	724.02
					09/25/20	11.04	722.26
					12/04/20	11.18	722.12
					03/05/21	10.07	723.23
06/11/21	9.74	723.56					

Table 1
Groundwater Elevation Data
Reed Manufacturing Services
Franklin, Indiana
IDEM State Cleanup # 2013-42015

Monitoring Well ID	TOC Elevation (feet amsl)	Ground Elevation (feet amsl)	Screen Interval (feet bgs)	Screen Elevation (feet amsl)	Date Gauged	DTW (feet)	GW Elevation (feet amsl)
MW-6	738.67	739.19	12-22	716.67-726.67	10/09/15	16.21	722.46
					01/26/16	14.35	724.32
					08/31/16	14.49	724.18
					08/21/17	14.97	723.70
					03/04/19	12.71	725.96
					06/29/20	14.74	723.93
					09/25/20	16.51	722.16
					12/04/20	16.53	722.14
					03/05/21	15.27	723.40
MW-7	739.84	740.43	11-21	718.84-728.84	06/11/21	15.18	723.49
					10/09/15	17.26	722.58
					01/26/16	15.33	724.51
					08/31/16	15.72	724.12
					08/21/17	16.03	723.81
					03/04/19	14.02	725.82
					06/29/20	15.80	724.04
					09/25/20	DRY	
					12/04/20	17.68	722.16
03/05/21	16.51	723.33					
06/11/21	16.28	723.56					
Off-Site Monitoring Wells (Hurricane Road Industrial Development / Former Houghland Tomato Cannery)							
MW-11	731.85	NA	3.6-13.6	718.25-728.25	10/02/14	9.80	722.05
	731.61	731.78		718.01-728.01	10/09/15	9.82	721.79
					08/31/16	8.45	723.16
					08/21/17	8.79	722.82
					06/29/20	8.39	723.22
					09/25/20	10.04	721.57
					12/04/20	10.02	721.59
					03/05/21	8.81	722.80
					06/11/21	8.81	722.80
MW-23	740.46	NA	10-20	720.46-730.46	10/02/14	17.38	723.08
	739.50	740.33		719.5-729.5	10/09/15	17.37	722.13
					08/31/16	Inaccessible	
					08/21/17	16.30	723.20
					06/29/20	15.94	723.56
					09/25/20	17.65	721.85
					12/04/20	17.67	721.83
					03/05/21	16.47	723.03
					06/11/21	16.36	723.14
MW-30	734.02	NA	9.5-14.5	719.5-724.5	06/29/20	10.30	723.72
					09/25/20	11.94	722.08
					12/04/20	11.95	722.07
					03/05/21	10.77	723.25
					06/11/21	10.71	723.31
MW-31	733.87	NA	25-30	703.8-708.8	06/29/20	9.53	724.34
					09/25/20	11.50	722.37
					12/04/20	12.96	720.91
					03/05/21	10.68	723.19
					06/11/21	10.47	723.40

Notes:

TOC - top of well casing
amsl - above mean sea level
bgs - below ground surface
DTW - depth to water
GW - groundwater
NA - Not Available

Survey information for off-site wells MW-30 and MW-31 taken from Further Site Investigation Report #3 December 3, 2019, Patriot Engineering and Environmental, Inc.

Select off-site wells were resurveyed by Ramboll in October 2015.

Table 2
Groundwater cVOC Analytical Results (ug/L)
Reed Manufacturing Services
1056 Eastview Drive
Franklin, Indiana
IDEM State Cleanup # 2013-42015

Sample Location	Sample Date	Sample Depth (feet bgs)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride		
On-Site Wells									
MW-3	10/3/14	12-22'	<5	<5	<5	26.5	<2		
	10/9/15		<5	<5	11.2	22.5	<2		
	1/27/16		<1	<1	3.1	7.3	<1		
	8/31/16		<1	<1	3.7	9.2	<1		
	3/6/19		<1	<1	6.4	9.5	<1		
	6/30/20		<1	<1	7.9	10.1	<1		
	9/24/20		<5	<5	<5	<5	<2		
	12/3/20		<5	<5	<5	<5	<2		
	3/4/21		<5	<5	<5	<5	<2		
6/10/21	<1	<1	1.1	2.9	<2				
MW-5	10/9/15	7-17'	<5	<5	30.8	52.7	<2		
	1/27/16		<1	<1	18.4	24.1	<1		
	1/27/16 (Dup)		<1	<1	20.2	26.0	<1		
	8/31/16		<1	<1	31.6	45.6	<1		
	3/6/19		<1	<1	31.5	29.5	<1		
	6/30/20		<1	<1	29.7	33.7	<1		
	9/24/20		<5	<5	20.5	37.0	<2		
	12/3/20		<5	<5	13.4	19.2	<2		
	3/4/21		<5	<5	22.6	25.9	<2		
6/10/21	<1	<1	22.8	27.9	<1				
MW-7	10/9/15	11-21'	<5	<5	10.7	52.1	<2		
	10/9/15 (Dup)		<5	<5	11.3	52.5	<2		
	1/27/16		<1	<1	43.5	75.2	<1		
	8/31/16		<1	<1	42.8	53.5	<1		
	8/31/16 Dup		<1	<1	41.3	51.3	<1		
	3/6/19		<1	<1	57.2	92.5	<1		
	3/6/19 Dup		<1	<1	57.0	89.7	<1		
	6/30/20		<1	<1	36.9	46.7	<1		
	6/30/20 Dup		<1	<1	46.1	50.7	<1		
	9/25/20		DRY						
	12/3/20		<5	<5	27.9	39.3	<2		
	3/4/21		<5	<5	41.1	56.7	<2		
6/10/21	<1	<1	33.9	45.3	<1				

Table 2
Groundwater cVOC Analytical Results (ug/L)
Reed Manufacturing Services
1056 Eastview Drive
Franklin, Indiana
IDEM State Cleanup # 2013-42015

Sample Location	Sample Date	Sample Depth (feet bgs)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride
Off-Site Wells (Hurricane Road Industrial Development / Former Houghland Tomato Cannery)							
MW-11	10/2/14	3.85-13.85'	<5	<5	126	106	<2
	10/8/15		<5	<5	140	106	<2
	9/2/16		<5	<5	136	110	<2
	8/21/17		<5	<5	124	82.4	<2
	6/15/18		<5	<5	102	60.0	<2
	2/8/19		<5	<5	68.7	50.4	<2
	2/8/19 Dup		<5	<5	69.7	55.9	<2
	3/5/19		<5	<5	39.6	29.5	<2
	3/29/19		<5	<5	45.3	31.5	<2
	6/29/20		<1	<1	146	60.4	<1
	9/25/20		<5	<5	145	55.2	<2
	9/25/20 Dup		<5	<5	147	56.7	<2
	12/4/20		<5	<5	130	44.0	<2
	3/5/21		<5	<5	148	51.9	<2
6/11/21	<1	<1	127	44.2	<1		
MW-23	10/3/14	10-20'	<5	<5	119	278	<2
	10/8/15		<5	<5	153	354	<2
	9/2/16		<5	<5	156	323	<2
	8/21/17		<5	<5	115	234	<2
	3/11/19		<5	<5	15.7	21.9	<2
	6/29/20		<1	<1	122	269	<1
	9/25/20		<5	<5	70.1	101	<2
	12/4/20		<5	<5	33.3	74.9	<2
	3/5/21		<5	<5	31.8	54.6	<2
	6/11/21		<1	<1	95.8	208	<1
MW-30	9/2/16	4-14'	<5	<5	695	386	<2
	8/22/17		<5	<5	475	253	<2
	6/15/18		<5	<5	520	283	<2
	2/8/19		<5	<5	171	173	<2
	3/11/19		<5	<5	293	163	<2
	3/29/19		<5	<5	444	159	<2
	6/29/20		<1	<1	623	234	<1
	9/25/20		<5	<5	66.5	25.9	<2
	12/4/20		<5	<5	643	235	<2
	12/4/20 Dup		<5	<5	615	239	<2
	3/5/21		<5	<5	586	271	<2
	3/5/21 Dup		<5	<5	602	272	<2
	6/11/21		<1	<1	541	226	<1
	6/11/21 Dup		<1	<1	486	233	<1

Table 2
Groundwater cVOC Analytical Results (ug/L)
Reed Manufacturing Services
1056 Eastview Drive
Franklin, Indiana
IDEM State Cleanup # 2013-42015

Sample Location	Sample Date	Sample Depth (feet bgs)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride
Off-Site Wells (Hurricane Road Industrial Development / Former Houghland Tomato Cannery)							
MW-31	8/22/17	25-30'	<5	<5	5.7	<5	<2
	6/15/18		<5	<5	<5	<5	<2
	2/8/19		5.4	<5	<5	<5	<2
	2/8/19 Dup		<5	<5	<5	<5	<2
	3/11/19		<5	<5	<5	<5	<2
	3/11/19 Dup		<5	<5	<5	<5	<2
	3/29/19		<5	<5	<5	<5	<2
	3/29/19 Dup		<5	<5	<5	<5	<2
	6/29/20		2.7	<1	<1	<1	<1
	9/25/20		<5	<5	<5	<5	<2
	12/4/20		<5	<5	<5	<5	<2
	3/5/21		<5	<5	<5	<5	<2
6/11/21	2.8	<1	<1	<1	<1		
IDEM RCG Residential Tap Screening Level ⁽¹⁾			70	100	5	5	2
IDEM RCG Commercial Vapor Exposure Screening Level ⁽¹⁾			NA	NA	470	38	35

Samples analyzed using Environmental Protection Agency (EPA) Method 8260

ug/L = micrograms per liter

bgs = below ground surface

NA = Not Available

ND = Not Detected

cVOCs = Chlorinated Volatile Organic Compounds

⁽¹⁾ Indiana Department of Environmental Management (IDEM) Remediation Closure Guide (RCG) 2012, with updates through 2021.

Off-Site sample results prior to 2020 collected by Patriot Engineering and Environmental, Inc for the Hurricane Road Industrial Development / Former Houghland Cannery property (State Cleanup #201334567)

Bold	- Exceeds IDEM RCG Residential Tap Screening Level
Bold	- Exceeds IDEM RCG Commercial Vapor Exposure Screening Level

**Table 3
Groundwater Field Parameter Summary
Reed Manufacturing Services
Franklin, IN
IDEM State Cleanup # 2013-42015**

Well ID	Date Sampled	Temperature (degrees C)	pH	Oxygen Reduction Potential (mV)	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Manganese (mg/L)
On-Site Monitoring Wells								
MW-3	10/03/14	16.14	6.93	-6	1.60	18.0	4.58	-
	10/09/15	16.26	6.95	194	0.631	61.3	5.27	-
	01/27/16	12.65	6.98	197	0.671	99.6	0.79	-
	08/31/16	17.19	7.04	134	0.600	7.4	4.32	-
	03/06/19	11.16	6.99	108	0.598	1.6	5.53	-
	06/30/20	15.41	6.93	121	0.72	17.3	5.87	2.5
	09/24/20	16.89	6.53	124	0.36	8.5	3.81	1.9
	12/03/20	14.84	6.93	87	0.72	0.0	1.04	0.0
MW-5	03/04/21	14.94	6.83	80	0.68	76.3	1.53	0.6
	06/10/21	15.71	7.12	80	0.67	24.8	6.01	0.1
	10/09/15	16.72	6.96	88	0.803	30.7	3.24	-
	01/27/16	12.01	7.02	211	0.967	50.2	0.00	-
	08/31/16	16.13	7.02	120	0.717	9.0	0.68	-
	03/06/19	11.35	6.96	112	0.588	9.7	1.12	-
	06/30/20	15.27	7.00	104	0.69	25.5	2.59	7.1
	09/24/20	17.94	6.95	115	0.20	20.5	0.76	0.0
MW-7	12/03/20	14.88	7.07	90	0.94	0.0	1.11	0.0
	03/04/21	12.82	6.77	90	0.90	102	2.05	0.2
	06/10/21	14.71	7.12	91	0.65	12.3	0.96	0.0
	10/09/15	15.90	6.91	94	0.672	20.5	3.55	-
	01/27/16	11.55	6.92	217	0.695	1.80	1.65	-
	08/31/16	16.64	7.00	131	0.613	0.90	2.60	-
	03/06/19	12.49	6.92	136	0.590	0.0	2.41	-
	06/30/20	18.99	6.92	99	0.760	5.9	1.80	1.0
DRY								
12/03/20	Insufficient Volume of Water In Well for Field Parameters							
03/04/21	14.15	7.10	92	0.742	1,290	7.27	9.2	
06/10/21	15.06	7.05	86	0.67	58.1	1.32	3.1	
Off-Site Monitoring Wells								
MW-11	10/02/14	16.75	6.60	290	1.88	0.0	13.11	-
	10/08/15	17.60	6.82	174	0.786	0.0	2.70	-
	06/30/20	15.74	7.03	131	0.780	571	5.31	5.8
	09/25/20	17.70	6.92	199	0.430	5.6	0.70	0.8
	12/04/20	14.20	7.15	154	NA*	0.0	0.15	0.0
	03/05/21	11.24	6.76	185	0.920	113	3.26	0.0
	06/11/21	14.12	7.11	171	0.740	5.6	3.46	5.2
MW-23	10/03/14	16.46	6.88	114	0.828	1.3	1.44	-
	10/08/15	17.99	6.82	183	0.680	9.3	4.13	-
	06/30/20	20.08	6.98	69	0.64	121	5.02	1.5
	09/25/20	27.32	6.85	44	0.60	269	3.79	2.4
	12/04/20	12.49	7.01	44	NA*	61.5	0.68	0.0
	03/05/21	12.16	6.72	91	0.72	1,306	2.77	2.3
	06/11/21	22.69	6.82	83	0.80	99.8	4.34	1.7
MW-30	06/30/20	18.57	7.05	97	0.76	1,139	3.20	1.7
	09/25/20	21.49	6.84	41	1.07	51.4	2.59	0.9
	12/04/20	14.14	6.85	146	NA*	14.5	0.12	0.0
	03/05/21	11.98	6.51	180	1.42	158	1.37	0.0
	06/11/21	16.02	7.24	167	1.23	63.4	0.66	2.7
MW-31	06/30/20	23.96	7.52	-135	0.60	98.2	0.72	1.6
	09/25/20	22.05	7.43	-116	0.55	87.1	1.21	0.5
	12/04/20	12.97	7.50	-84	NA*	108	0.22	0.0
	03/05/21	13.05	7.11	99	0.66	377	0.83	0.0
	06/11/21	16.32	7.42	-85	0.58	27.5	0.20	7.8

mS/cm = micro-Seimens per centimeter

NTU = nephelometric turbidity units

C = Celsius

mg/L = milligrams per liter

mV = millivolts

NA = Not Available

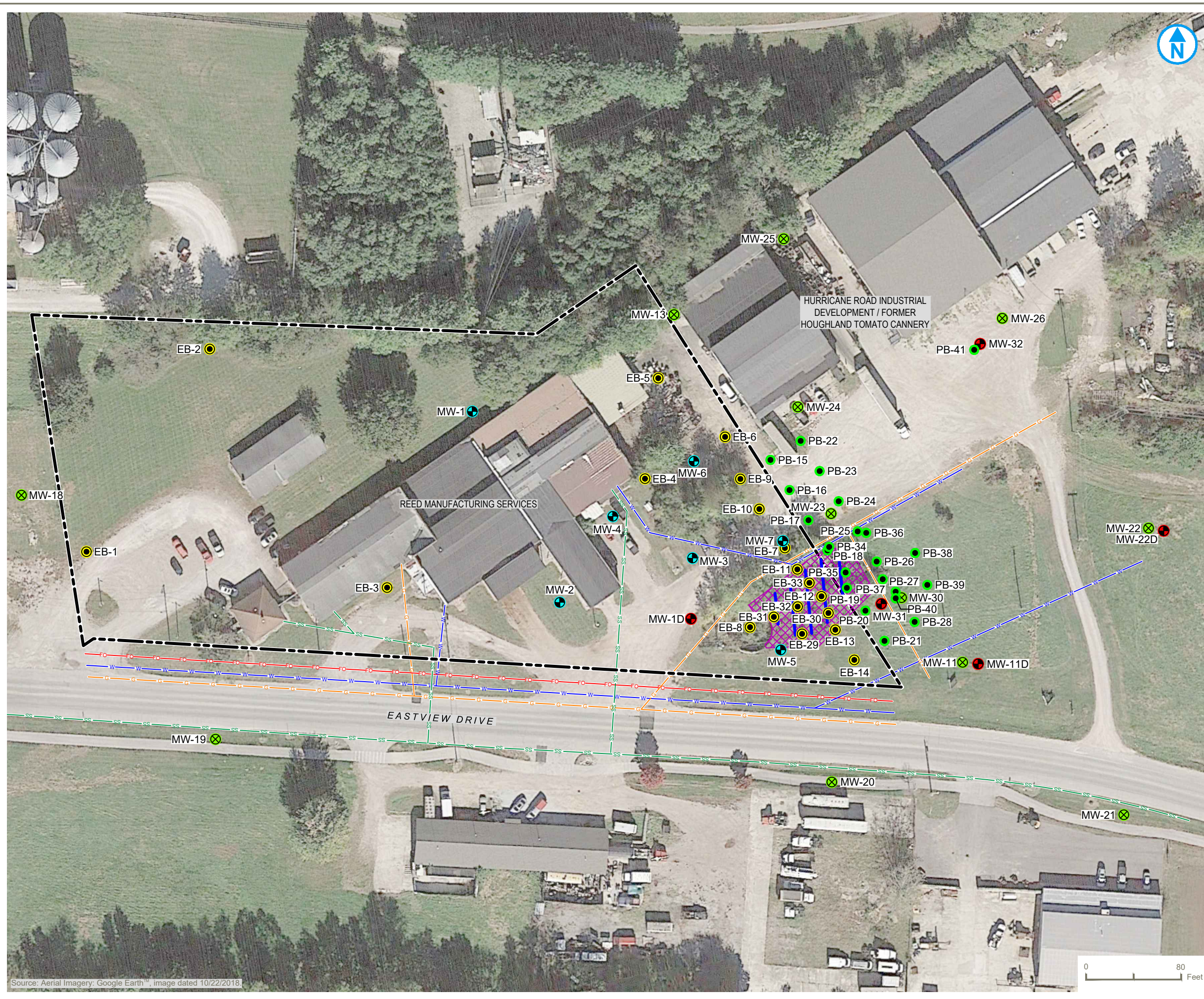
- = Unable to take readings due to a lack of volume

* = measurement not available due to specific conductivity probe malfunction

Manganese concentrations measured using a HACH high range pocket colorimeter II field kit

**Remedial Progress Report
Reed Manufacturing Services – Franklin, IN
State Cleanup Site # 2013-42015**

FIGURES



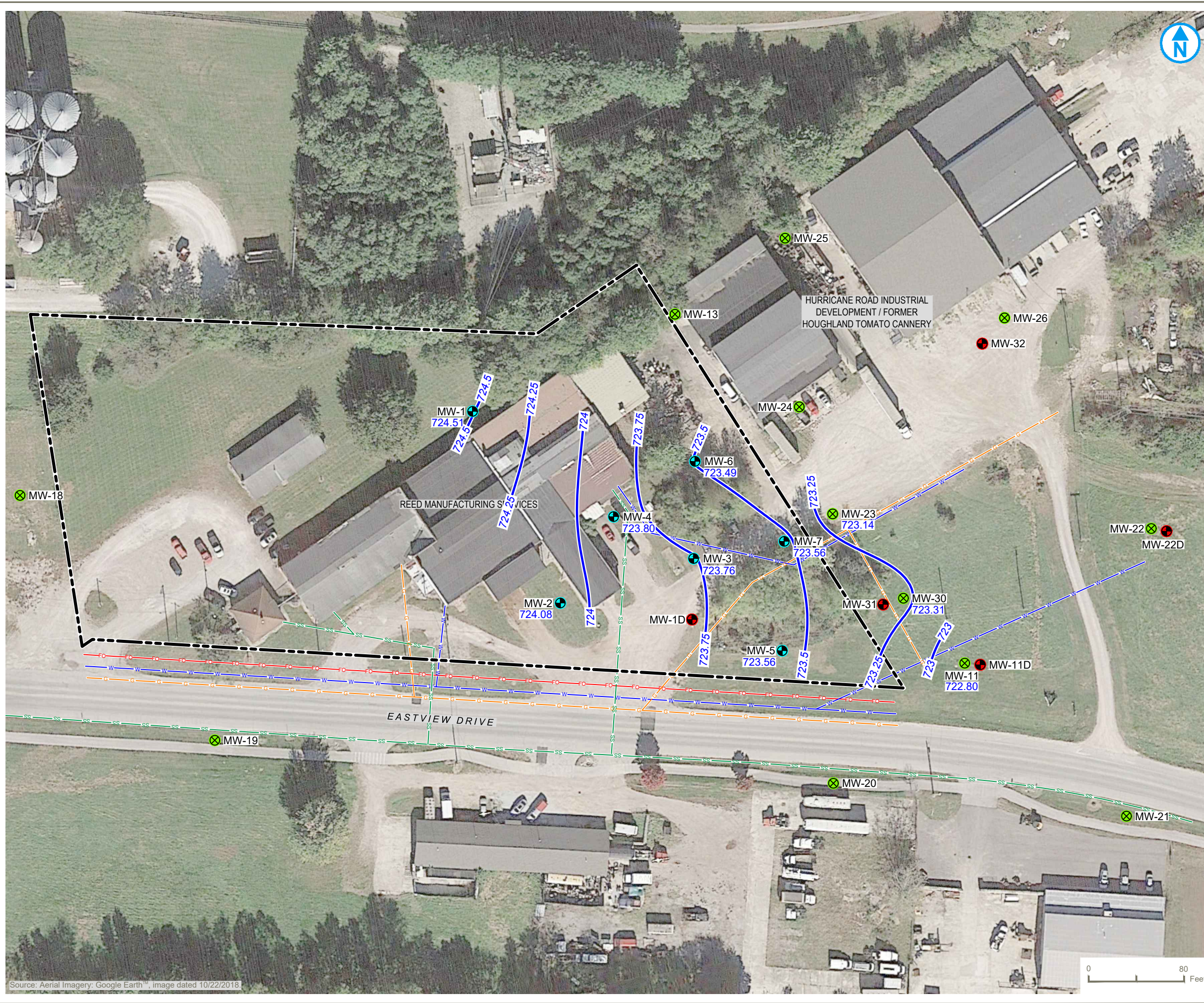
- LEGEND**
- PROPERTY BOUNDARY (APPROXIMATE)
 - SOIL BORING LOCATION
 - ⊕ MONITORING WELL LOCATION
 - ⊕ DEEP MONITORING WELL LOCATION
 - ⊗ HURRICANE ROAD INDUSTRIAL DEVELOPMENT / FORMER HOUGHLAND TOMATO CANNERY MONITORING WELL LOCATION
 - HURRICANE ROAD INDUSTRIAL DEVELOPMENT / FORMER HOUGHLAND TOMATO CANNERY SOIL BORING LOCATION
 - ▨ EXCAVATION AREA
 - GROUNDWATER REMEDIATION PVC INJECTION LINES
- UTILITIES**
- FO FIBER OPTICS
 - G GAS
 - SS SEWER
 - W WATER

SITE PLAN

REED MANUFACTURING SERVICES
1056 EASTVIEW DRIVE
FRANKLIN, INDIANA

FIGURE 01





LEGEND

- PROPERTY BOUNDARY (APPROXIMATE)
- MONITORING WELL LOCATION
- DEEP MONITORING WELL LOCATION
- ⊗ HURRICANE ROAD INDUSTRIAL DEVELOPMENT / FORMER HOUGHLAND TOMATO CANNERY MONITORING WELL LOCATION
- GROUNDWATER CONTOUR (0.25 FT INTERVAL)
- 723.49 GROUNDWATER ELEVATION
- UTILITIES**
- FO FIBER OPTICS
- G GAS
- SS SEWER
- W WATER

Note
 Potentiometric contouring for shallow wells only.

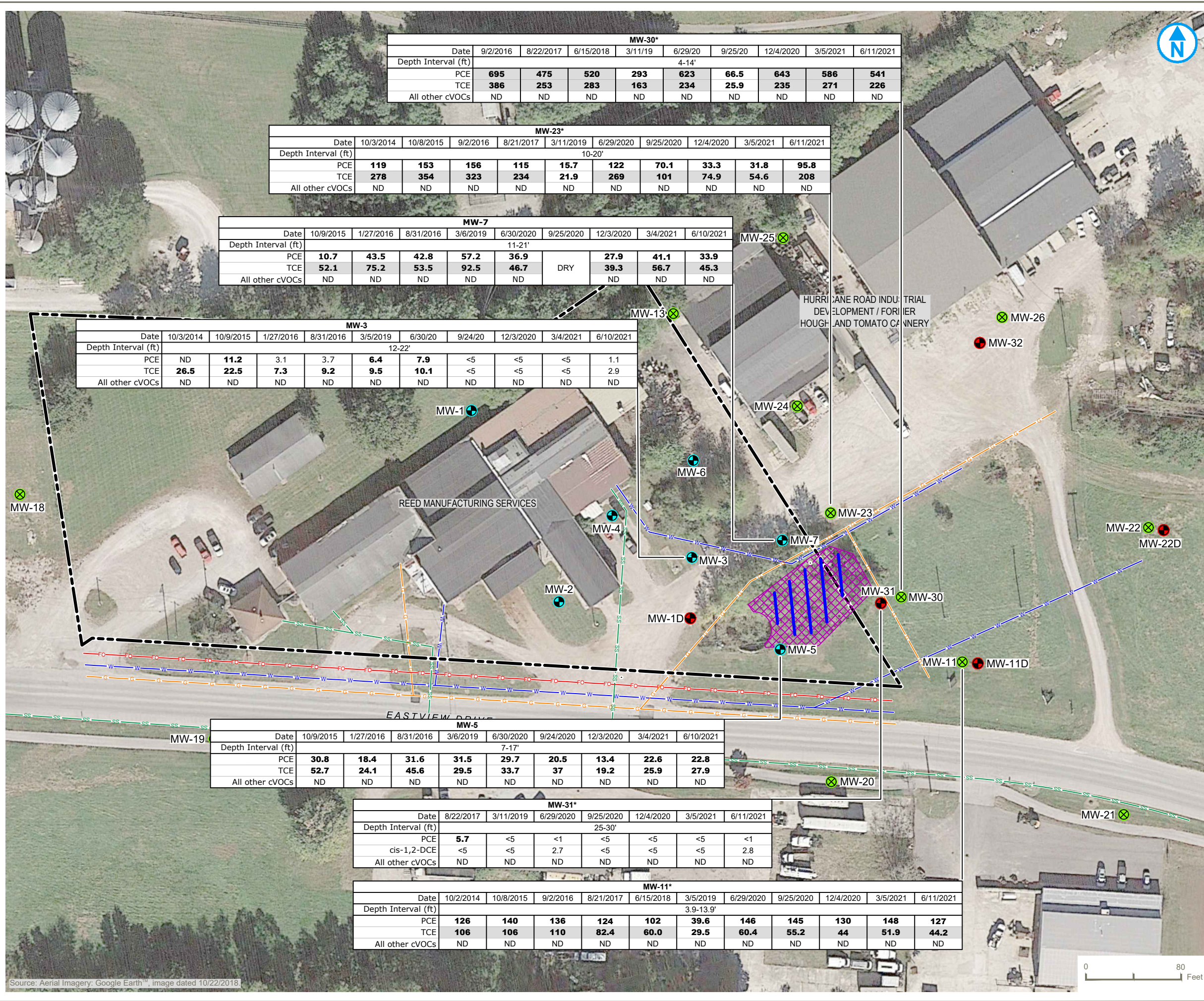
**POTENTIOMETRIC SURFACE MAP -
 JUNE 11, 2021**

REED MANUFACTURING SERVICES
 1056 EASTVIEW DRIVE
 FRANKLIN, INDIANA

FIGURE 02

RAMBOLL US CONSULTING, INC.
 A RAMBOLL COMPANY





MW-30*										
Date	9/2/2016	8/22/2017	6/15/2018	3/11/2019	6/29/2020	9/25/2020	12/4/2020	3/5/2021	6/11/2021	
Depth Interval (ft)	4-14'									
PCE	695	475	520	293	623	66.5	643	586	541	
TCE	386	253	283	163	234	25.9	235	271	226	
All other cVOCs	ND	ND	ND	ND	ND	ND	ND	ND	ND	

MW-23*										
Date	10/3/2014	10/8/2015	9/2/2016	8/21/2017	3/11/2019	6/29/2020	9/25/2020	12/4/2020	3/5/2021	6/11/2021
Depth Interval (ft)	10-20'									
PCE	119	153	156	115	15.7	122	70.1	33.3	31.8	95.8
TCE	278	354	323	234	21.9	269	101	74.9	54.6	208
All other cVOCs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

MW-7										
Date	10/9/2015	1/27/2016	8/31/2016	3/6/2019	6/30/2020	9/25/2020	12/3/2020	3/4/2021	6/10/2021	
Depth Interval (ft)	11-21'									
PCE	10.7	43.5	42.8	57.2	36.9	27.9	41.1	33.9		
TCE	52.1	75.2	53.5	92.5	46.7	DRY	39.3	56.7	45.3	
All other cVOCs	ND	ND	ND	ND	ND	ND	ND	ND	ND	

MW-3										
Date	10/3/2014	10/9/2015	1/27/2016	8/31/2016	3/5/2019	6/30/2020	9/24/2020	12/3/2020	3/4/2021	6/10/2021
Depth Interval (ft)	12-22'									
PCE	ND	11.2	3.1	3.7	6.4	7.9	<5	<5	<5	1.1
TCE	26.5	22.5	7.3	9.2	9.5	10.1	<5	<5	<5	2.9
All other cVOCs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

MW-5										
Date	10/9/2015	1/27/2016	8/31/2016	3/6/2019	6/30/2020	9/24/2020	12/3/2020	3/4/2021	6/10/2021	
Depth Interval (ft)	7-17'									
PCE	30.8	18.4	31.6	31.5	29.7	20.5	13.4	22.6	22.8	
TCE	52.7	24.1	45.6	29.5	33.7	37	19.2	25.9	27.9	
All other cVOCs	ND	ND	ND	ND	ND	ND	ND	ND	ND	

MW-11*							
Date	8/22/2017	3/11/2019	6/29/2020	9/25/2020	12/4/2020	3/5/2021	6/11/2021
Depth Interval (ft)	25-30'						
PCE	5.7	<5	<1	<5	<5	<5	<1
cis-1,2-DCE	<5	<5	2.7	<5	<5	<5	2.8
All other cVOCs	ND	ND	ND	ND	ND	ND	ND

MW-11*										
Date	10/2/2014	10/8/2015	9/2/2016	8/21/2017	6/15/2018	3/5/2019	6/29/2020	9/25/2020	12/4/2020	3/5/2021
Depth Interval (ft)	3.9-13.9'									
PCE	126	140	136	124	102	39.6	146	145	130	148
TCE	106	106	110	82.4	60.0	29.5	60.4	55.2	44	51.9
All other cVOCs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

LEGEND

- PROPERTY BOUNDARY (APPROXIMATE)
- MONITORING WELL LOCATION
- DEEP MONITORING WELL LOCATION
- ⊗ HURRICANE ROAD INDUSTRIAL DEVELOPMENT / FORMER HOUGHLAND TOMATO CANNERY MONITORING WELL LOCATION
- ▨ EXCAVATION AREA
- GROUNDWATER REMEDIATION PVC INJECTION LINES

UTILITIES

- FO FIBER OPTICS
- G GAS
- SS SEWER
- W WATER

Compound	RSL	CVESL
cis-1,2-DCE	70	NA
PCE	5	470
TCE	5	38

Notes

All results reported in micrograms per liter (µg/L).
 Groundwater remedy conducted from March 3-5, 2020.

NA = Not Available
 ND = Not Detected
 cis-1,2-DCE = cis-1,2-dichloroethene
 PCE = Tetrachloroethene
 TCE = Trichloroethene
 cVOCs = Chlorinated Volatile Organic Compounds
 CVESL = Commercial Vapor Exposure Screening Level
 IDEM = Indiana Department of Environmental Management
 RCG = Remediation Closure Guide
 * = Sample collected by Patriot Engineering and Environmental, Inc. before 2020.

BOLD = Concentration exceeds IDEM RCG Residential Tap Screening Level (RSL) (IDEM, 2012 with updates through 2021)
BOLD = Exceeds IDEM RCG Commercial Vapor Exposure Screening Level (shallow groundwater)

GROUNDWATER ANALYTICAL RESULTS MAP (µg/L)

REED MANUFACTURING SERVICES
 1056 EASTVIEW DRIVE
 FRANKLIN, INDIANA

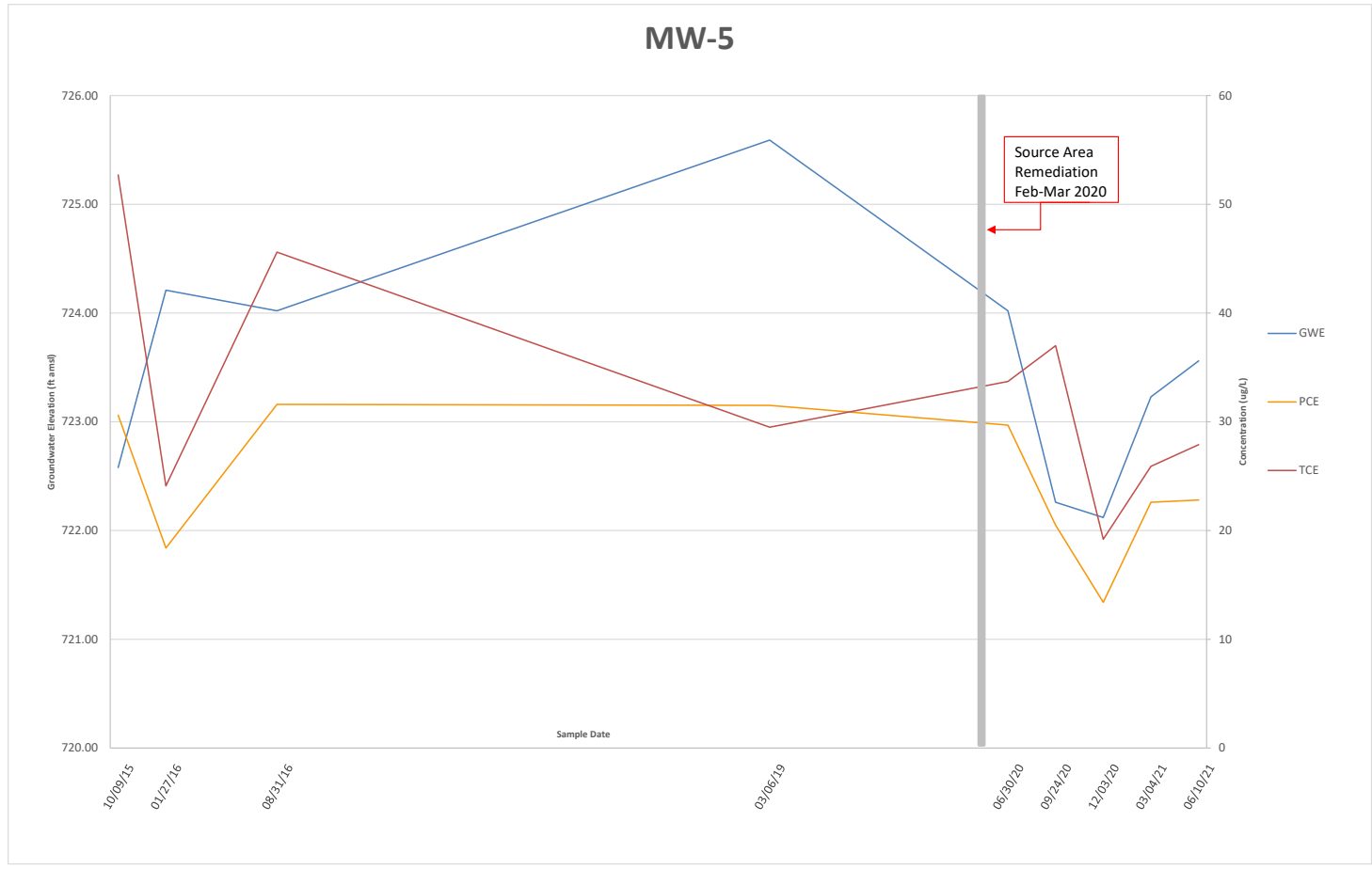
FIGURE 03



Source: Aerial Imagery: Google Earth™ image dated 10/22/2018



Figure 4
PCE and TCE Concentration Trends with Groundwater Elevations
Reed Manufacturing Services
Franklin, Indiana
IDEM State Cleanup # 2013-42015



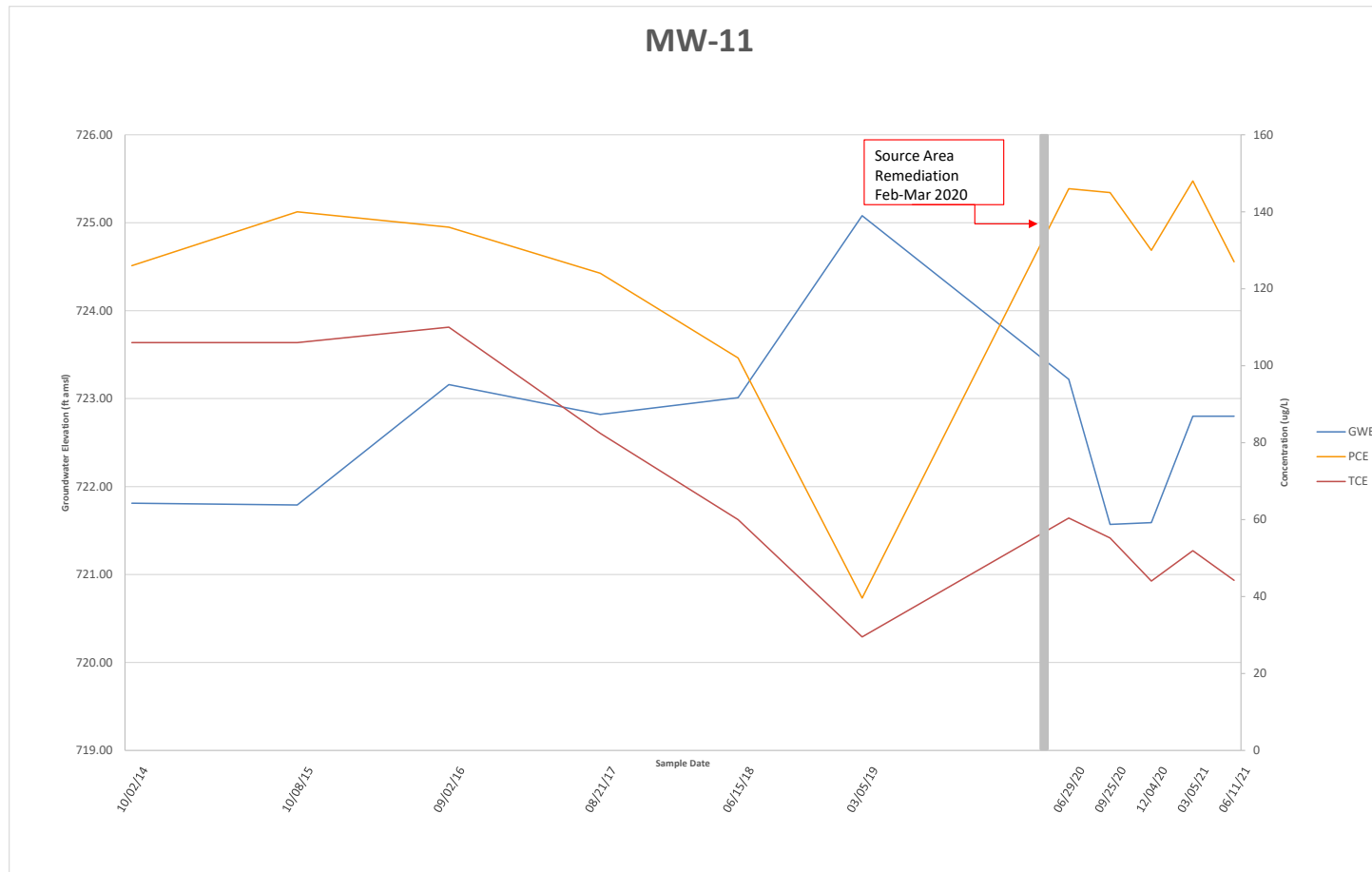
Notes:
 GWE - Groundwater Elevation
 PCE - Tetrachloroethene (ug/L)
 TCE - Trichloroethene (ug/L)

Figure 4
PCE and TCE Concentration Trends with Groundwater Elevations
Reed Manufacturing Services
Franklin, Indiana
IDEM State Cleanup # 2013-42015



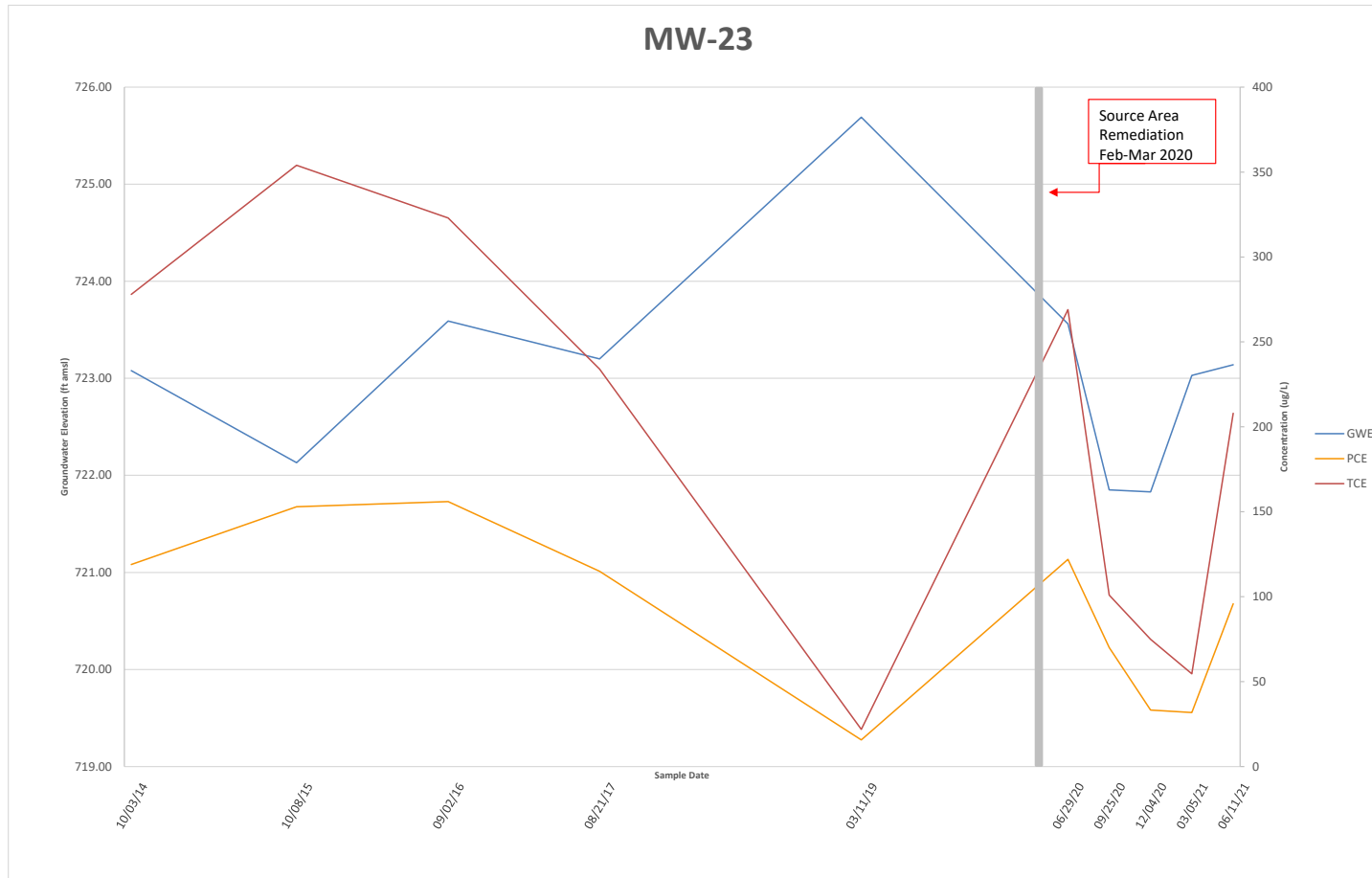
Notes:
 GWE - Groundwater Elevation
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Figure 4
PCE and TCE Concentration Trends with Groundwater Elevations
Reed Manufacturing Services
Franklin, Indiana
IDEM State Cleanup # 2013-42015



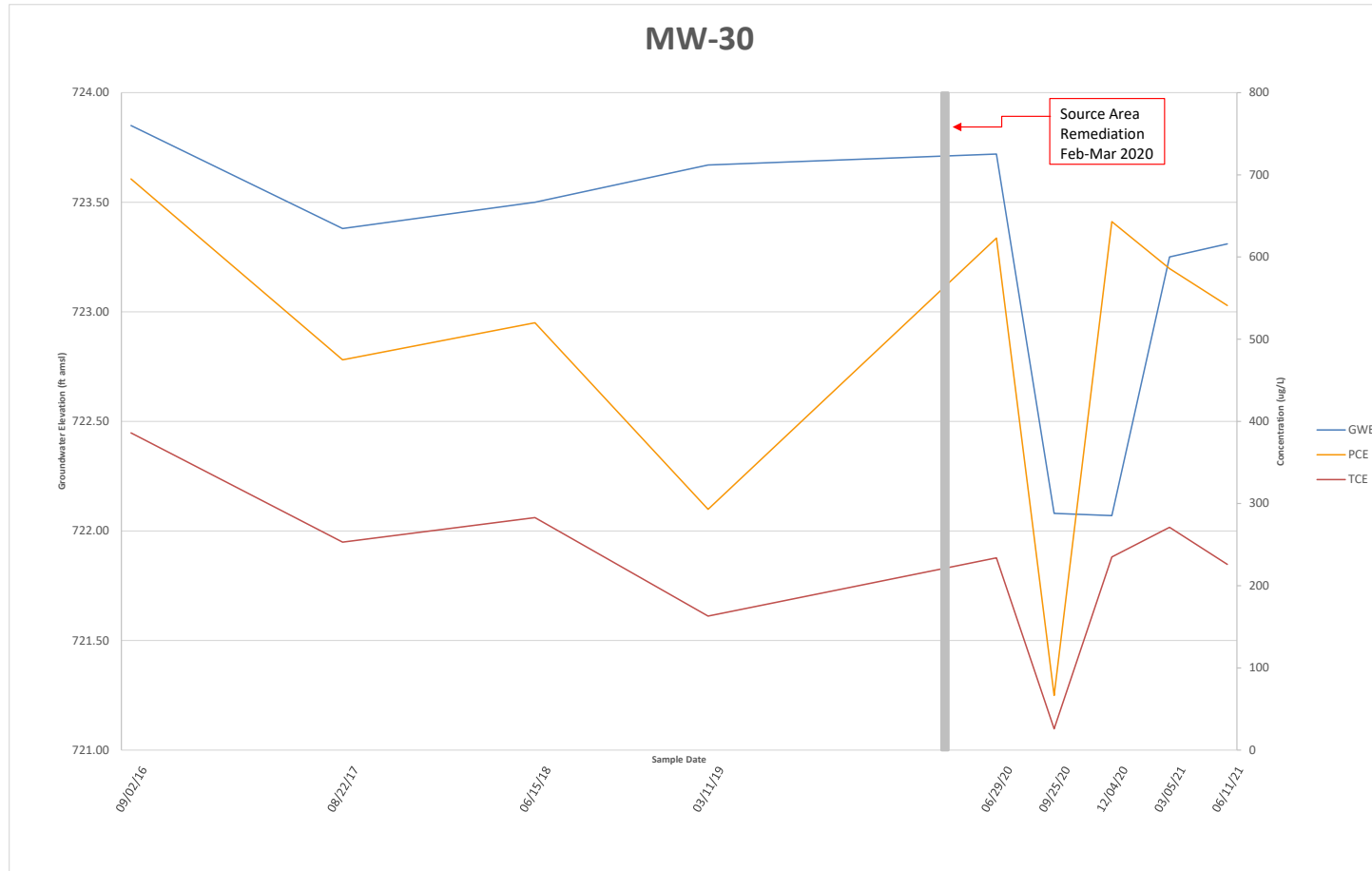
Notes:
 GWE - Groundwater Elevation
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Figure 4
PCE and TCE Concentration Trends with Groundwater Elevations
Reed Manufacturing Services
Franklin, Indiana
IDEM State Cleanup # 2013-42015



Notes:
 GWE - Groundwater Elevation
 PCE - Tetrachloroethene (ug/L)
 TCE - Trichloroethene (ug/L)

Figure 4
PCE and TCE Concentration Trends with Groundwater Elevations
Reed Manufacturing Services
Franklin, Indiana
IDEM State Cleanup # 2013-42015



Notes:
 GWE - Groundwater Elevation
 PCE - Tetrachloroethene (ug/L)
 TCE - Trichloroethene (ug/L)

**Remedial Progress Report
Reed Manufacturing Services – Franklin, IN
State Cleanup Site # 2013-42015**

APPENDIX A

GROUNDWATER MONITORING FIELD DATA FORMS

Low-Flow Test Report:

Test Date / Time: 6/10/2021 10:52:45 AM

Project: Reed Manufacturing

Operator Name: AD

Location Name: MW-3 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 12 ft Total Depth: 21.68 ft Initial Depth to Water: 15.81 ft	Pump Type: Bladder Tubing Type: Bonded LDPE Pump Intake From TOC: 18.75 ft Estimated Total Volume Pumped: 4500 ml Flow Cell Volume: 130 ml Final Flow Rate: 100 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 600 Vented Serial Number: 442307
--	---	---

Test Notes:

Purge began at 1016

Purge water cloudy turbid brown, let purge to clear

12/3 recharge

15psi

Sample time 1142, passive due to jumping turbidity

Weather Conditions:

Mostly cloudy, light breeze, 76°F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.5	
6/10/2021 10:52 AM	00:00	7.03 pH	16.36 °C	0.20 mS/cm	6.20 mg/L	106.42 NTU	105.9 mV	15.81 ft	100.00 ml/min
6/10/2021 10:55 AM	03:00	7.07 pH	16.17 °C	0.20 mS/cm	6.19 mg/L	86.45 NTU	102.9 mV	15.81 ft	100.00 ml/min
6/10/2021 10:58 AM	06:00	7.04 pH	16.18 °C	0.21 mS/cm	6.18 mg/L	91.82 NTU	99.7 mV	15.81 ft	100.00 ml/min
6/10/2021 11:01 AM	09:00	7.09 pH	15.97 °C	0.21 mS/cm	6.23 mg/L	68.83 NTU	96.2 mV	15.81 ft	100.00 ml/min
6/10/2021 11:04 AM	12:00	7.06 pH	15.94 °C	0.21 mS/cm	6.21 mg/L	52.99 NTU	94.5 mV	15.81 ft	100.00 ml/min
6/10/2021 11:07 AM	15:00	7.09 pH	15.77 °C	0.21 mS/cm	6.12 mg/L	48.97 NTU	90.6 mV	15.81 ft	100.00 ml/min
6/10/2021 11:10 AM	18:00	7.05 pH	15.87 °C	0.22 mS/cm	6.09 mg/L	47.80 NTU	90.7 mV	15.81 ft	100.00 ml/min
6/10/2021 11:13 AM	21:00	7.10 pH	15.76 °C	0.22 mS/cm	6.05 mg/L	35.37 NTU	86.3 mV	15.81 ft	100.00 ml/min
6/10/2021 11:16 AM	24:00	7.06 pH	15.88 °C	0.22 mS/cm	6.01 mg/L	42.46 NTU	86.7 mV	15.81 ft	100.00 ml/min
6/10/2021 11:19 AM	27:00	7.10 pH	15.94 °C	0.22 mS/cm	5.99 mg/L	32.66 NTU	84.5 mV	15.81 ft	100.00 ml/min
6/10/2021 11:22 AM	30:00	7.07 pH	16.08 °C	0.24 mS/cm	5.96 mg/L	33.74 NTU	84.3 mV	15.81 ft	100.00 ml/min

6/10/2021 11:25 AM	33:00	7.10 pH	15.95 °C	0.23 mS/cm	5.98 mg/L	29.76 NTU	82.4 mV	15.81 ft	100.00 ml/min
6/10/2021 11:28 AM	36:00	7.07 pH	16.08 °C	0.24 mS/cm	5.99 mg/L	27.88 NTU	82.2 mV	15.81 ft	100.00 ml/min
6/10/2021 11:31 AM	39:00	7.11 pH	15.81 °C	0.68 mS/cm	6.02 mg/L	25.79 NTU	80.6 mV	15.81 ft	100.00 ml/min
6/10/2021 11:34 AM	42:00	7.09 pH	15.78 °C	0.67 mS/cm	6.00 mg/L	27.92 NTU	81.2 mV	15.81 ft	100.00 ml/min
6/10/2021 11:37 AM	45:00	7.12 pH	15.71 °C	0.67 mS/cm	6.01 mg/L	24.83 NTU	79.7 mV	15.81 ft	100.00 ml/min

Samples

Sample ID:	Description:
MW-3	VOCs 3 40ml VOAs HCl Field Mn = 0.1 mg/L

Low-Flow Test Report:

Test Date / Time: 6/10/2021 12:30:11 PM

Project: Reed Manufacturing

Operator Name: AD

Location Name: MW-5 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 7 ft Total Depth: 16.72 ft Initial Depth to Water: 9.79 ft	Pump Type: Bladder Tubing Type: Bonded LDPE Pump Intake From TOC: 13.32 ft Estimated Total Volume Pumped: 9600 ml Flow Cell Volume: 130 ml Final Flow Rate: 200 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 600 Vented Serial Number: 442307
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Test Notes:

Purge began at 1208

Purge water cloudy turbid brown, let purge to clear

11/4 recharge

15psi

Sample time 1323

Weather Conditions:

Overcast, light wind, 77°F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.5	
6/10/2021 12:30 PM	00:00	7.11 pH	14.40 °C	0.65 mS/cm	0.95 mg/L	123.16 NTU	92.3 mV	9.79 ft	200.00 ml/min
6/10/2021 12:33 PM	03:00	7.12 pH	14.47 °C	0.65 mS/cm	0.93 mg/L	108.91 NTU	91.1 mV	9.79 ft	200.00 ml/min
6/10/2021 12:36 PM	06:00	7.11 pH	14.47 °C	0.65 mS/cm	0.91 mg/L	85.98 NTU	91.3 mV	9.79 ft	200.00 ml/min
6/10/2021 12:39 PM	09:00	7.12 pH	14.36 °C	0.65 mS/cm	0.90 mg/L	71.83 NTU	90.3 mV	9.79 ft	200.00 ml/min
6/10/2021 12:42 PM	12:00	7.12 pH	14.42 °C	0.65 mS/cm	0.88 mg/L	49.34 NTU	90.1 mV	9.79 ft	200.00 ml/min
6/10/2021 12:45 PM	15:00	7.13 pH	14.33 °C	0.65 mS/cm	0.87 mg/L	54.63 NTU	89.6 mV	9.79 ft	200.00 ml/min
6/10/2021 12:48 PM	18:00	7.13 pH	14.26 °C	0.65 mS/cm	0.92 mg/L	45.88 NTU	89.6 mV	9.79 ft	200.00 ml/min
6/10/2021 12:51 PM	21:00	7.13 pH	14.35 °C	0.65 mS/cm	0.92 mg/L	31.68 NTU	89.3 mV	9.79 ft	200.00 ml/min
6/10/2021 12:54 PM	24:00	7.14 pH	14.36 °C	0.65 mS/cm	0.93 mg/L	26.91 NTU	89.1 mV	9.79 ft	200.00 ml/min
6/10/2021 12:57 PM	27:00	7.14 pH	14.35 °C	0.65 mS/cm	0.93 mg/L	23.35 NTU	89.0 mV	9.79 ft	200.00 ml/min
6/10/2021 1:00 PM	30:00	7.14 pH	14.44 °C	0.65 mS/cm	0.91 mg/L	20.18 NTU	89.0 mV	9.79 ft	200.00 ml/min

6/10/2021 1:03 PM	33:00	7.15 pH	14.46 °C	0.65 mS/cm	0.90 mg/L	20.50 NTU	88.9 mV	9.79 ft	200.00 ml/min
6/10/2021 1:06 PM	36:00	7.13 pH	14.47 °C	0.65 mS/cm	0.96 mg/L	14.52 NTU	89.7 mV	9.79 ft	200.00 ml/min
6/10/2021 1:09 PM	39:00	7.11 pH	14.57 °C	0.65 mS/cm	0.95 mg/L	14.76 NTU	91.2 mV	9.79 ft	200.00 ml/min
6/10/2021 1:12 PM	42:00	7.11 pH	14.48 °C	0.65 mS/cm	0.97 mg/L	12.13 NTU	91.0 mV	9.79 ft	200.00 ml/min
6/10/2021 1:15 PM	45:00	7.11 pH	14.66 °C	0.66 mS/cm	0.97 mg/L	10.88 NTU	90.7 mV	9.79 ft	200.00 ml/min
6/10/2021 1:18 PM	48:00	7.12 pH	14.71 °C	0.65 mS/cm	0.96 mg/L	12.25 NTU	90.6 mV	9.79 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-5	VOCs 3 40ml VOAs HCl Field Mn = 0.0 mg/L

Low-Flow Test Report:

Test Date / Time: 6/10/2021 2:23:53 PM

Project: Reed Manufacturing

Operator Name: AD

Location Name: MW-7 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 11 ft Total Depth: 19.45 ft Initial Depth to Water: 16.33 ft	Pump Type: Bladder Tubing Type: Bonded LDPE Pump Intake From TOC: 17.87 ft Estimated Total Volume Pumped: 1200 ml Flow Cell Volume: 130 ml Final Flow Rate: 100 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 600 Vented Serial Number: 442307
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Test Notes:

Purge began at 1353

Purge water cloudy, turbid brown particles, let purge to clear

12/3 recharge

15psi

Sample time 1441, passive due to jumping turbidity

Weather Conditions:

Partly cloudy, light wind, 78°F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.5	
6/10/2021 2:23 PM	00:00	7.05 pH	15.21 °C	0.67 mS/cm	1.36 mg/L	203.08 NTU	84.9 mV	16.33 ft	100.00 ml/min
6/10/2021 2:26 PM	03:00	7.04 pH	14.99 °C	0.67 mS/cm	1.33 mg/L	64.31 NTU	85.0 mV	16.33 ft	100.00 ml/min
6/10/2021 2:29 PM	06:00	7.05 pH	15.04 °C	0.67 mS/cm	1.30 mg/L	25.72 NTU	85.1 mV	16.33 ft	100.00 ml/min
6/10/2021 2:32 PM	09:00	7.04 pH	15.06 °C	0.67 mS/cm	1.29 mg/L	21.83 NTU	85.8 mV	16.33 ft	100.00 ml/min
6/10/2021 2:35 PM	12:00	7.05 pH	15.06 °C	0.67 mS/cm	1.32 mg/L	58.08 NTU	86.1 mV	16.33 ft	100.00 ml/min

Samples

Sample ID:	Description:
MW-7	VOCs 3 40ml VOAs HCl Field Mn = 3.1 mg/L (turbidity may have influenced)

Low-Flow Test Report:

Test Date / Time: 6/11/2021 10:11:18 AM

Project: Reed Manufacturing

Operator Name: AD

Location Name: MW-11 (Patriot) Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 3.85 ft Total Depth: 13.84 ft Initial Depth to Water: 8.8 ft	Pump Type: Bladder Tubing Type: Bonded LDPE Pump Intake From TOC: 11.33 ft Estimated Total Volume Pumped: 7200 ml Flow Cell Volume: 130 ml Final Flow Rate: 150 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 600 Vented Serial Number: 442307
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Test Notes:

Purge began at 1002

Purge water semi turbid brow, let purge to clear

12.5/2.5 recharge

15psi

Sample time 1104

Weather Conditions:

Sunny, 77°F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.5	
6/11/2021 10:11 AM	00:00	7.11 pH	14.60 °C	0.70 mS/cm	6.55 mg/L	148.49 NTU	174.8 mV	8.80 ft	150.00 ml/min
6/11/2021 10:14 AM	03:00	7.11 pH	14.42 °C	0.73 mS/cm	5.60 mg/L	90.86 NTU	174.6 mV	8.80 ft	150.00 ml/min
6/11/2021 10:17 AM	06:00	7.10 pH	14.40 °C	0.74 mS/cm	4.64 mg/L	69.20 NTU	174.2 mV	8.80 ft	150.00 ml/min
6/11/2021 10:20 AM	09:00	7.11 pH	14.30 °C	0.75 mS/cm	4.09 mg/L	59.81 NTU	174.4 mV	8.80 ft	150.00 ml/min
6/11/2021 10:23 AM	12:00	7.10 pH	14.36 °C	0.75 mS/cm	3.69 mg/L	51.82 NTU	173.8 mV	8.80 ft	150.00 ml/min
6/11/2021 10:26 AM	15:00	7.10 pH	14.26 °C	0.75 mS/cm	3.52 mg/L	37.05 NTU	173.5 mV	8.80 ft	150.00 ml/min
6/11/2021 10:29 AM	18:00	7.07 pH	14.36 °C	0.75 mS/cm	3.47 mg/L	38.69 NTU	174.3 mV	8.80 ft	150.00 ml/min
6/11/2021 10:32 AM	21:00	7.07 pH	14.26 °C	0.75 mS/cm	3.72 mg/L	34.82 NTU	174.7 mV	8.80 ft	150.00 ml/min
6/11/2021 10:35 AM	24:00	7.08 pH	14.32 °C	0.74 mS/cm	3.65 mg/L	27.20 NTU	174.0 mV	8.80 ft	150.00 ml/min
6/11/2021 10:38 AM	27:00	7.09 pH	14.18 °C	0.75 mS/cm	3.81 mg/L	30.93 NTU	173.1 mV	8.80 ft	150.00 ml/min
6/11/2021 10:41 AM	30:00	7.09 pH	14.07 °C	0.74 mS/cm	3.56 mg/L	22.95 NTU	172.4 mV	8.80 ft	150.00 ml/min

6/11/2021 10:44 AM	33:00	7.10 pH	14.18 °C	0.74 mS/cm	3.66 mg/L	18.21 NTU	171.9 mV	8.80 ft	150.00 ml/min
6/11/2021 10:47 AM	36:00	7.10 pH	14.15 °C	0.74 mS/cm	3.63 mg/L	13.62 NTU	171.7 mV	8.80 ft	150.00 ml/min
6/11/2021 10:50 AM	39:00	7.11 pH	14.07 °C	0.74 mS/cm	3.57 mg/L	10.50 NTU	171.8 mV	8.80 ft	150.00 ml/min
6/11/2021 10:53 AM	42:00	7.11 pH	14.22 °C	0.74 mS/cm	3.70 mg/L	11.57 NTU	171.2 mV	8.80 ft	150.00 ml/min
6/11/2021 10:56 AM	45:00	7.11 pH	14.21 °C	0.74 mS/cm	3.41 mg/L	7.26 NTU	171.1 mV	8.80 ft	150.00 ml/min
6/11/2021 10:59 AM	48:00	7.11 pH	14.12 °C	0.74 mS/cm	3.46 mg/L	5.64 NTU	170.8 mV	8.80 ft	150.00 ml/min

Samples

Sample ID:	Description:
MW-11	VOCs 3 40ml VOAs HCl Field Mn = 5.2 mg/L

Low-Flow Test Report:

Test Date / Time: 6/11/2021 2:02:25 PM

Project: Reed Manufacturing

Operator Name: AD

Location Name: MW-23 (Patriot) Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 10 ft Total Depth: 19.68 ft Initial Depth to Water: 16.46 ft	Pump Type: Bladder Tubing Type: Bonded LDPE Pump Intake From TOC: 18.68 ft Estimated Total Volume Pumped: 1650 ml Flow Cell Volume: 130 ml Final Flow Rate: 50 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 600 Vented Serial Number: 442307
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Test Notes:

Purge began at 1351

Purge water clear

Well silted in a lot since last event, set pump at bottom of well

14/1 recharge

15psi

Sample time 1440

Weather Conditions:

Mostly sunny, light breeze, 88°F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.5	
6/11/2021 2:02 PM	00:00	6.78 pH	26.18 °C	0.83 mS/cm	4.57 mg/L	142.85 NTU	90.5 mV	16.46 ft	50.00 ml/min
6/11/2021 2:05 PM	03:00	6.78 pH	25.81 °C	0.82 mS/cm	4.47 mg/L	148.22 NTU	86.0 mV	16.46 ft	50.00 ml/min
6/11/2021 2:08 PM	06:00	6.79 pH	25.80 °C	0.82 mS/cm	4.41 mg/L	167.61 NTU	84.5 mV	16.46 ft	50.00 ml/min
6/11/2021 2:11 PM	09:00	6.78 pH	25.88 °C	0.82 mS/cm	4.37 mg/L	124.97 NTU	81.8 mV	16.46 ft	50.00 ml/min
6/11/2021 2:14 PM	12:00	6.78 pH	25.68 °C	0.82 mS/cm	4.34 mg/L	127.64 NTU	81.8 mV	16.46 ft	50.00 ml/min
6/11/2021 2:17 PM	15:00	6.79 pH	25.27 °C	0.81 mS/cm	4.23 mg/L	111.55 NTU	81.5 mV	16.46 ft	50.00 ml/min
6/11/2021 2:20 PM	18:00	6.81 pH	24.70 °C	0.81 mS/cm	4.22 mg/L	112.76 NTU	81.8 mV	16.46 ft	50.00 ml/min
6/11/2021 2:23 PM	21:00	6.81 pH	23.93 °C	0.81 mS/cm	4.32 mg/L	104.61 NTU	81.9 mV	16.46 ft	50.00 ml/min
6/11/2021 2:26 PM	24:00	6.82 pH	23.23 °C	0.81 mS/cm	4.35 mg/L	104.12 NTU	82.3 mV	16.46 ft	50.00 ml/min
6/11/2021 2:29 PM	27:00	6.82 pH	22.75 °C	0.80 mS/cm	4.37 mg/L	97.61 NTU	82.9 mV	16.46 ft	50.00 ml/min

6/11/2021 2:32 PM	30:00	6.82 pH	22.31 °C	0.80 mS/cm	4.38 mg/L	94.71 NTU	83.4 mV	16.46 ft	50.00 ml/min
6/11/2021 2:35 PM	33:00	6.82 pH	22.69 °C	0.80 mS/cm	4.34 mg/L	99.75 NTU	83.0 mV	16.46 ft	50.00 ml/min

Samples

Sample ID:	Description:
MW-23	VOCs 3 40ml VOAs HCl Field Mn = 1.7 mg/L

Low-Flow Test Report:

Test Date / Time: 6/11/2021 12:49:59 PM

Project: Reed Manufacturing

Operator Name: AD

Location Name: MW-30 (Patriot) Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 4 ft Total Depth: 14.37 ft Initial Depth to Water: 10.79 ft	Pump Type: Bladder Tubing Type: Bonded LDPE Pump Intake From TOC: 12.54 ft Estimated Total Volume Pumped: 1350 ml Flow Cell Volume: 130 ml Final Flow Rate: 50 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 600 Vented Serial Number: 442307
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Test Notes:

Purge began at 1238

Purge water semi-clear with slight greenish yellow brown tint

13.5/1.5 recharge

15psi

Sample time 1322, passive due to jumping turbidity

Weather Conditions:

Mostly sunny, 87°F, light breeze

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.5	
6/11/2021 12:49 PM	00:00	7.32 pH	15.75 °C	1.29 mS/cm	0.64 mg/L	225.99 NTU	156.6 mV	10.79 ft	50.00 ml/min
6/11/2021 12:52 PM	03:00	7.31 pH	15.16 °C	1.29 mS/cm	0.59 mg/L	153.08 NTU	160.1 mV	10.79 ft	50.00 ml/min
6/11/2021 12:55 PM	06:00	7.31 pH	15.15 °C	1.28 mS/cm	0.57 mg/L	126.37 NTU	161.3 mV	10.79 ft	50.00 ml/min
6/11/2021 12:58 PM	09:00	7.28 pH	15.74 °C	1.27 mS/cm	0.58 mg/L	118.90 NTU	162.8 mV	10.79 ft	50.00 ml/min
6/11/2021 1:01 PM	12:00	7.28 pH	16.08 °C	1.26 mS/cm	0.57 mg/L	77.20 NTU	163.2 mV	10.79 ft	50.00 ml/min
6/11/2021 1:04 PM	15:00	7.26 pH	15.88 °C	1.25 mS/cm	0.58 mg/L	66.94 NTU	164.6 mV	10.79 ft	50.00 ml/min
6/11/2021 1:07 PM	18:00	7.27 pH	16.00 °C	1.24 mS/cm	0.61 mg/L	60.64 NTU	164.7 mV	10.79 ft	50.00 ml/min
6/11/2021 1:10 PM	21:00	7.25 pH	15.85 °C	1.24 mS/cm	0.63 mg/L	59.35 NTU	165.8 mV	10.79 ft	50.00 ml/min
6/11/2021 1:13 PM	24:00	7.25 pH	16.28 °C	1.23 mS/cm	0.62 mg/L	54.74 NTU	165.7 mV	10.79 ft	50.00 ml/min
6/11/2021 1:16 PM	27:00	7.24 pH	16.02 °C	1.23 mS/cm	0.66 mg/L	63.39 NTU	166.7 mV	10.79 ft	50.00 ml/min

Samples

Sample ID:	Description:
MW-30	VOCs 3 40ml VOAs HCl Field Mn = 2.7 mg/L
Dup-01	VOCs 3 40ml VOAs HCl

Low-Flow Test Report:

Test Date / Time: 6/11/2021 11:41:29 AM

Project: Reed Manufacturing

Operator Name: AD

Location Name: MW-31 (Patriot) Well Diameter: 2 in Casing Type: PVC Screen Length: 25 ft Top of Screen: 5 ft Total Depth: 29.82 ft Initial Depth to Water: 10.53 ft	Pump Type: Bladder Tubing Type: Bonded LDPE Pump Intake From TOC: 20.15 ft Estimated Total Volume Pumped: 1650 ml Flow Cell Volume: 130 ml Final Flow Rate: 50 ml/min Final Draw Down: 1.52 ft	Instrument Used: Aqua TROLL 600 Vented Serial Number: 442307
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Test Notes:

Purge began at 1133

Purge water clear

14/1 recharge, continuous drawdown observed

25psi

Sample time 1218, passive due to drawdown and jumping turbidity

Weather Conditions:

Sunny, light breeze, 84°F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.5	
6/11/2021 11:41 AM	00:00	7.37 pH	17.86 °C	0.59 mS/cm	0.72 mg/L	26.01 NTU	-27.3 mV	10.53 ft	50.00 ml/min
6/11/2021 11:44 AM	03:00	7.39 pH	17.29 °C	0.58 mS/cm	0.57 mg/L	26.18 NTU	-51.0 mV	10.80 ft	50.00 ml/min
6/11/2021 11:47 AM	06:00	7.41 pH	16.36 °C	0.58 mS/cm	0.49 mg/L	26.07 NTU	-60.0 mV	11.03 ft	50.00 ml/min
6/11/2021 11:50 AM	09:00	7.41 pH	16.57 °C	0.58 mS/cm	0.39 mg/L	25.78 NTU	-67.6 mV	11.18 ft	50.00 ml/min
6/11/2021 11:53 AM	12:00	7.41 pH	16.56 °C	0.58 mS/cm	0.34 mg/L	35.97 NTU	-72.1 mV	11.31 ft	50.00 ml/min
6/11/2021 11:56 AM	15:00	7.42 pH	16.14 °C	0.58 mS/cm	0.30 mg/L	22.60 NTU	-74.1 mV	11.43 ft	50.00 ml/min
6/11/2021 11:59 AM	18:00	7.42 pH	15.89 °C	0.58 mS/cm	0.27 mg/L	21.46 NTU	-75.8 mV	11.57 ft	50.00 ml/min
6/11/2021 12:02 PM	21:00	7.42 pH	15.78 °C	0.58 mS/cm	0.25 mg/L	19.65 NTU	-77.8 mV	11.68 ft	50.00 ml/min
6/11/2021 12:05 PM	24:00	7.42 pH	15.82 °C	0.58 mS/cm	0.24 mg/L	23.51 NTU	-79.4 mV	11.78 ft	50.00 ml/min
6/11/2021 12:08 PM	27:00	7.41 pH	16.47 °C	0.58 mS/cm	0.22 mg/L	23.80 NTU	-81.8 mV	11.91 ft	50.00 ml/min
6/11/2021 12:11 PM	30:00	7.41 pH	16.67 °C	0.58 mS/cm	0.21 mg/L	19.61 NTU	-83.8 mV	12.05 ft	50.00 ml/min

6/11/2021 12:14 PM	33:00	7.42 pH	16.32 °C	0.58 mS/cm	0.20 mg/L	27.48 NTU	-85.0 mV	12.05 ft	50.00 ml/min
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Samples

Sample ID:	Description:
MW-31	VOCs 3 40ml VOAs HCl Field Mn = 7.8 mg/L

**Remedial Progress Report
Reed Manufacturing Services – Franklin, IN
State Cleanup Site # 2013-42015**

APPENDIX B

LABORATORY ANALYTICAL REPORT

June 23, 2021

Mr. Chuck Goodwin
Ramboll US Consulting, Inc.
One Indiana Square
Suite 2335
Indianapolis, IN 46204

RE: Project: Reed Manufacturing
Pace Project No.: 50289921

Dear Mr. Goodwin:

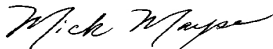
Enclosed are the analytical results for sample(s) received by the laboratory on June 11, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Mick Mayse
mick.mayse@pacelabs.com
(317)228-3100
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Reed Manufacturing

Pace Project No.: 50289921

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268

Illinois Accreditation #: 200074

Indiana Drinking Water Laboratory #: C-49-06

Kansas/TNI Certification #: E-10177

Kentucky UST Agency Interest #: 80226

Kentucky WW Laboratory ID #: 98019

Michigan Drinking Water Laboratory #9050

Ohio VAP Certified Laboratory #: CL0065

Oklahoma Laboratory #: 9204

Texas Certification #: T104704355

Wisconsin Laboratory #: 999788130

USDA Soil Permit #: P330-19-00257

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Reed Manufacturing

Pace Project No.: 50289921

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50289921001	Trip Blank	Water	06/10/21 08:00	06/11/21 16:32
50289921002	Equipment Blank	Water	06/10/21 09:55	06/11/21 16:32
50289921003	MW-3	Water	06/10/21 11:42	06/11/21 16:32
50289921004	MW-5	Water	06/10/21 13:23	06/11/21 16:32
50289921005	MW-7	Water	06/10/21 14:41	06/11/21 16:32
50289921006	MW-11	Water	06/11/21 11:04	06/11/21 16:32
50289921007	MW-23	Water	06/11/21 14:40	06/11/21 16:32
50289921008	MW-30	Water	06/11/21 12:50	06/11/21 16:32
50289921009	MW-31	Water	06/11/21 12:18	06/11/21 16:32
50289921010	DUP-01	Water	06/11/21 08:00	06/11/21 16:32

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Reed Manufacturing

Pace Project No.: 50289921

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50289921001	Trip Blank	EPA 5030B/8260	BRP	75	PASI-I
50289921002	Equipment Blank	EPA 5030B/8260	BRP	75	PASI-I
50289921003	MW-3	EPA 5030B/8260	BRP	75	PASI-I
50289921004	MW-5	EPA 5030B/8260	BRP	75	PASI-I
50289921005	MW-7	EPA 5030B/8260	BRP	75	PASI-I
50289921006	MW-11	EPA 5030B/8260	BRP	75	PASI-I
50289921007	MW-23	EPA 5030B/8260	BRP	75	PASI-I
50289921008	MW-30	EPA 5030B/8260	BRP	75	PASI-I
50289921009	MW-31	EPA 5030B/8260	BRP	75	PASI-I
50289921010	DUP-01	EPA 5030B/8260	BRP	75	PASI-I

PASI-I = Pace Analytical Services - Indianapolis

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Reed Manufacturing

Pace Project No.: 50289921

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50289921003	MW-3					
EPA 5030B/8260	Tetrachloroethene	1.1	ug/L	1.0	06/19/21 05:05	
EPA 5030B/8260	Trichloroethene	2.9	ug/L	1.0	06/19/21 05:05	
50289921004	MW-5					
EPA 5030B/8260	Tetrachloroethene	22.8	ug/L	1.0	06/19/21 05:38	
EPA 5030B/8260	Trichloroethene	27.9	ug/L	1.0	06/19/21 05:38	
50289921005	MW-7					
EPA 5030B/8260	Tetrachloroethene	33.9	ug/L	1.0	06/19/21 06:11	
EPA 5030B/8260	Trichloroethene	45.3	ug/L	1.0	06/19/21 06:11	
50289921006	MW-11					
EPA 5030B/8260	Tetrachloroethene	127	ug/L	1.0	06/19/21 23:25	
EPA 5030B/8260	Trichloroethene	44.2	ug/L	1.0	06/19/21 23:25	
50289921007	MW-23					
EPA 5030B/8260	Tetrachloroethene	95.8	ug/L	1.0	06/19/21 06:44	
EPA 5030B/8260	Trichloroethene	208	ug/L	1.0	06/19/21 06:44	
50289921008	MW-30					
EPA 5030B/8260	Tetrachloroethene	541	ug/L	10.0	06/19/21 07:17	
EPA 5030B/8260	Trichloroethene	226	ug/L	1.0	06/19/21 07:50	
50289921009	MW-31					
EPA 5030B/8260	cis-1,2-Dichloroethene	2.8	ug/L	1.0	06/19/21 08:23	
50289921010	DUP-01					
EPA 5030B/8260	Tetrachloroethene	486	ug/L	10.0	06/19/21 08:56	
EPA 5030B/8260	Trichloroethene	233	ug/L	1.0	06/19/21 09:29	

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Reed Manufacturing
Pace Project No.: 50289921

Method: EPA 5030B/8260
Description: 8260 MSV Low Level
Client: Ramboll US Consulting
Date: June 23, 2021

General Information:

10 samples were analyzed for EPA 5030B/8260 by Pace Analytical Services Indianapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 627013

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 2889295)
- Acrolein

QC Batch: 627108

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 2889916)
- Acrolein

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 627108

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 50289921006

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 2889917)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Reed Manufacturing

Pace Project No.: 50289921

Method: EPA 5030B/8260

Description: 8260 MSV Low Level

Client: Ramboll US Consulting

Date: June 23, 2021

QC Batch: 627108

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 50289921006

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- Acrolein
- MSD (Lab ID: 2889918)
- Acrolein

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2889917)
- Dichlorodifluoromethane
- MSD (Lab ID: 2889918)
- Dichlorodifluoromethane

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Reed Manufacturing

Pace Project No.: 50289921

Sample: Trip Blank **Lab ID: 50289921001** Collected: 06/10/21 08:00 Received: 06/11/21 16:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Indianapolis									
Acetone	ND	ug/L	20.0	4.5	1		06/19/21 04:00	67-64-1	
Acrolein	ND	ug/L	20.0	6.5	1		06/19/21 04:00	107-02-8	L1
Acrylonitrile	ND	ug/L	100	0.70	1		06/19/21 04:00	107-13-1	
Benzene	ND	ug/L	1.0	0.10	1		06/19/21 04:00	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.065	1		06/19/21 04:00	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.14	1		06/19/21 04:00	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.16	1		06/19/21 04:00	75-27-4	
Bromoform	ND	ug/L	1.0	0.16	1		06/19/21 04:00	75-25-2	
Bromomethane	ND	ug/L	5.0	0.53	1		06/19/21 04:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	0.97	1		06/19/21 04:00	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.10	1		06/19/21 04:00	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.093	1		06/19/21 04:00	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.13	1		06/19/21 04:00	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.13	1		06/19/21 04:00	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.076	1		06/19/21 04:00	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.10	1		06/19/21 04:00	108-90-7	
Chloroethane	ND	ug/L	2.0	0.16	1		06/19/21 04:00	75-00-3	
Chloroform	ND	ug/L	1.0	0.096	1		06/19/21 04:00	67-66-3	
Chloromethane	ND	ug/L	2.0	0.24	1		06/19/21 04:00	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.11	1		06/19/21 04:00	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.17	1		06/19/21 04:00	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	0.19	1		06/19/21 04:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		06/19/21 04:00	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.19	1		06/19/21 04:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.10	1		06/19/21 04:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.14	1		06/19/21 04:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.16	1		06/19/21 04:00	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	0.36	1		06/19/21 04:00	110-57-6	
Dichlorodifluoromethane	ND	ug/L	2.0	0.24	1		06/19/21 04:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.088	1		06/19/21 04:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.13	1		06/19/21 04:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.090	1		06/19/21 04:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.084	1		06/19/21 04:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.12	1		06/19/21 04:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.16	1		06/19/21 04:00	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.13	1		06/19/21 04:00	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.26	1		06/19/21 04:00	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.14	1		06/19/21 04:00	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.18	1		06/19/21 04:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		06/19/21 04:00	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.087	1		06/19/21 04:00	100-41-4	
Ethyl methacrylate	ND	ug/L	20.0	0.17	1		06/19/21 04:00	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.68	1		06/19/21 04:00	87-68-3	
n-Hexane	ND	ug/L	5.0	0.20	1		06/19/21 04:00	110-54-3	
2-Hexanone	ND	ug/L	20.0	1.0	1		06/19/21 04:00	591-78-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Reed Manufacturing

Pace Project No.: 50289921

Sample: Trip Blank		Lab ID: 50289921001		Collected: 06/10/21 08:00		Received: 06/11/21 16:32		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Iodomethane	ND	ug/L	5.0	0.16	1		06/19/21 04:00	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.076	1		06/19/21 04:00	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.16	1		06/19/21 04:00	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1.3	1		06/19/21 04:00	75-09-2	
1-Methylnaphthalene	ND	ug/L	20.0	0.67	1		06/19/21 04:00	90-12-0	
2-Methylnaphthalene	ND	ug/L	20.0	0.49	1		06/19/21 04:00	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	1.0	1		06/19/21 04:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	0.074	1		06/19/21 04:00	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.25	1		06/19/21 04:00	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.069	1		06/19/21 04:00	103-65-1	
Styrene	ND	ug/L	1.0	0.078	1		06/19/21 04:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.14	1		06/19/21 04:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.14	1		06/19/21 04:00	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.21	1		06/19/21 04:00	127-18-4	
Toluene	ND	ug/L	1.0	0.086	1		06/19/21 04:00	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		06/19/21 04:00	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		06/19/21 04:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.082	1		06/19/21 04:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.33	1		06/19/21 04:00	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.17	1		06/19/21 04:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.13	1		06/19/21 04:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.25	1		06/19/21 04:00	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	0.069	1		06/19/21 04:00	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	0.091	1		06/19/21 04:00	108-67-8	
Vinyl acetate	ND	ug/L	20.0	0.35	1		06/19/21 04:00	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.21	1		06/19/21 04:00	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		06/19/21 04:00	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	105	%	78-117		1		06/19/21 04:00	460-00-4	
Dibromofluoromethane (S)	93	%	78-120		1		06/19/21 04:00	1868-53-7	
Toluene-d8 (S)	104	%	77-118		1		06/19/21 04:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Reed Manufacturing

Pace Project No.: 50289921

Sample: Equipment Blank Lab ID: 50289921002 Collected: 06/10/21 09:55 Received: 06/11/21 16:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Indianapolis									
Acetone	ND	ug/L	20.0	4.5	1		06/19/21 04:32	67-64-1	
Acrolein	ND	ug/L	20.0	6.5	1		06/19/21 04:32	107-02-8	L1
Acrylonitrile	ND	ug/L	100	0.70	1		06/19/21 04:32	107-13-1	
Benzene	ND	ug/L	1.0	0.10	1		06/19/21 04:32	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.065	1		06/19/21 04:32	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.14	1		06/19/21 04:32	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.16	1		06/19/21 04:32	75-27-4	
Bromoform	ND	ug/L	1.0	0.16	1		06/19/21 04:32	75-25-2	
Bromomethane	ND	ug/L	5.0	0.53	1		06/19/21 04:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	0.97	1		06/19/21 04:32	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.10	1		06/19/21 04:32	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.093	1		06/19/21 04:32	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.13	1		06/19/21 04:32	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.13	1		06/19/21 04:32	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.076	1		06/19/21 04:32	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.10	1		06/19/21 04:32	108-90-7	
Chloroethane	ND	ug/L	2.0	0.16	1		06/19/21 04:32	75-00-3	
Chloroform	ND	ug/L	1.0	0.096	1		06/19/21 04:32	67-66-3	
Chloromethane	ND	ug/L	2.0	0.24	1		06/19/21 04:32	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.11	1		06/19/21 04:32	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.17	1		06/19/21 04:32	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	0.19	1		06/19/21 04:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		06/19/21 04:32	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.19	1		06/19/21 04:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.10	1		06/19/21 04:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.14	1		06/19/21 04:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.16	1		06/19/21 04:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	0.36	1		06/19/21 04:32	110-57-6	
Dichlorodifluoromethane	ND	ug/L	2.0	0.24	1		06/19/21 04:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.088	1		06/19/21 04:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.13	1		06/19/21 04:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.090	1		06/19/21 04:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.084	1		06/19/21 04:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.12	1		06/19/21 04:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.16	1		06/19/21 04:32	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.13	1		06/19/21 04:32	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.26	1		06/19/21 04:32	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.14	1		06/19/21 04:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.18	1		06/19/21 04:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		06/19/21 04:32	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.087	1		06/19/21 04:32	100-41-4	
Ethyl methacrylate	ND	ug/L	20.0	0.17	1		06/19/21 04:32	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.68	1		06/19/21 04:32	87-68-3	
n-Hexane	ND	ug/L	5.0	0.20	1		06/19/21 04:32	110-54-3	
2-Hexanone	ND	ug/L	20.0	1.0	1		06/19/21 04:32	591-78-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Reed Manufacturing

Pace Project No.: 50289921

Sample: Equipment Blank		Lab ID: 50289921002		Collected: 06/10/21 09:55		Received: 06/11/21 16:32		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Iodomethane	ND	ug/L	5.0	0.16	1		06/19/21 04:32	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.076	1		06/19/21 04:32	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.16	1		06/19/21 04:32	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1.3	1		06/19/21 04:32	75-09-2	
1-Methylnaphthalene	ND	ug/L	20.0	0.67	1		06/19/21 04:32	90-12-0	
2-Methylnaphthalene	ND	ug/L	20.0	0.49	1		06/19/21 04:32	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	1.0	1		06/19/21 04:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	0.074	1		06/19/21 04:32	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.25	1		06/19/21 04:32	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.069	1		06/19/21 04:32	103-65-1	
Styrene	ND	ug/L	1.0	0.078	1		06/19/21 04:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.14	1		06/19/21 04:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.14	1		06/19/21 04:32	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.21	1		06/19/21 04:32	127-18-4	
Toluene	ND	ug/L	1.0	0.086	1		06/19/21 04:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		06/19/21 04:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		06/19/21 04:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.082	1		06/19/21 04:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.33	1		06/19/21 04:32	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.17	1		06/19/21 04:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.13	1		06/19/21 04:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.25	1		06/19/21 04:32	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	0.069	1		06/19/21 04:32	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	0.091	1		06/19/21 04:32	108-67-8	
Vinyl acetate	ND	ug/L	20.0	0.35	1		06/19/21 04:32	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.21	1		06/19/21 04:32	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		06/19/21 04:32	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	104	%	78-117		1		06/19/21 04:32	460-00-4	
Dibromofluoromethane (S)	97	%	78-120		1		06/19/21 04:32	1868-53-7	
Toluene-d8 (S)	102	%	77-118		1		06/19/21 04:32	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Reed Manufacturing

Pace Project No.: 50289921

Sample: MW-3 **Lab ID: 50289921003** Collected: 06/10/21 11:42 Received: 06/11/21 16:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Indianapolis									
Acetone	ND	ug/L	20.0	4.5	1		06/19/21 05:05	67-64-1	
Acrolein	ND	ug/L	20.0	6.5	1		06/19/21 05:05	107-02-8	L1
Acrylonitrile	ND	ug/L	100	0.70	1		06/19/21 05:05	107-13-1	
Benzene	ND	ug/L	1.0	0.10	1		06/19/21 05:05	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.065	1		06/19/21 05:05	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.14	1		06/19/21 05:05	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.16	1		06/19/21 05:05	75-27-4	
Bromoform	ND	ug/L	1.0	0.16	1		06/19/21 05:05	75-25-2	
Bromomethane	ND	ug/L	5.0	0.53	1		06/19/21 05:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	0.97	1		06/19/21 05:05	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.10	1		06/19/21 05:05	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.093	1		06/19/21 05:05	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.13	1		06/19/21 05:05	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.13	1		06/19/21 05:05	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.076	1		06/19/21 05:05	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.10	1		06/19/21 05:05	108-90-7	
Chloroethane	ND	ug/L	2.0	0.16	1		06/19/21 05:05	75-00-3	
Chloroform	ND	ug/L	1.0	0.096	1		06/19/21 05:05	67-66-3	
Chloromethane	ND	ug/L	2.0	0.24	1		06/19/21 05:05	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.11	1		06/19/21 05:05	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.17	1		06/19/21 05:05	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	0.19	1		06/19/21 05:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		06/19/21 05:05	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.19	1		06/19/21 05:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.10	1		06/19/21 05:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.14	1		06/19/21 05:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.16	1		06/19/21 05:05	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	0.36	1		06/19/21 05:05	110-57-6	
Dichlorodifluoromethane	ND	ug/L	2.0	0.24	1		06/19/21 05:05	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.088	1		06/19/21 05:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.13	1		06/19/21 05:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.090	1		06/19/21 05:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.084	1		06/19/21 05:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.12	1		06/19/21 05:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.16	1		06/19/21 05:05	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.13	1		06/19/21 05:05	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.26	1		06/19/21 05:05	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.14	1		06/19/21 05:05	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.18	1		06/19/21 05:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		06/19/21 05:05	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.087	1		06/19/21 05:05	100-41-4	
Ethyl methacrylate	ND	ug/L	20.0	0.17	1		06/19/21 05:05	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.68	1		06/19/21 05:05	87-68-3	
n-Hexane	ND	ug/L	5.0	0.20	1		06/19/21 05:05	110-54-3	
2-Hexanone	ND	ug/L	20.0	1.0	1		06/19/21 05:05	591-78-6	

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ANALYTICAL RESULTS

Project: Reed Manufacturing

Pace Project No.: 50289921

Sample: MW-3 **Lab ID: 50289921003** Collected: 06/10/21 11:42 Received: 06/11/21 16:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Indianapolis									
Iodomethane	ND	ug/L	5.0	0.16	1		06/19/21 05:05	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.076	1		06/19/21 05:05	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.16	1		06/19/21 05:05	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1.3	1		06/19/21 05:05	75-09-2	
1-Methylnaphthalene	ND	ug/L	20.0	0.67	1		06/19/21 05:05	90-12-0	
2-Methylnaphthalene	ND	ug/L	20.0	0.49	1		06/19/21 05:05	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	1.0	1		06/19/21 05:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	0.074	1		06/19/21 05:05	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.25	1		06/19/21 05:05	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.069	1		06/19/21 05:05	103-65-1	
Styrene	ND	ug/L	1.0	0.078	1		06/19/21 05:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.14	1		06/19/21 05:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.14	1		06/19/21 05:05	79-34-5	
Tetrachloroethene	1.1	ug/L	1.0	0.21	1		06/19/21 05:05	127-18-4	
Toluene	ND	ug/L	1.0	0.086	1		06/19/21 05:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		06/19/21 05:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		06/19/21 05:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.082	1		06/19/21 05:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.33	1		06/19/21 05:05	79-00-5	
Trichloroethene	2.9	ug/L	1.0	0.17	1		06/19/21 05:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.13	1		06/19/21 05:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.25	1		06/19/21 05:05	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	0.069	1		06/19/21 05:05	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	0.091	1		06/19/21 05:05	108-67-8	
Vinyl acetate	ND	ug/L	20.0	0.35	1		06/19/21 05:05	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.21	1		06/19/21 05:05	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		06/19/21 05:05	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	78-117		1		06/19/21 05:05	460-00-4	
Dibromofluoromethane (S)	91	%	78-120		1		06/19/21 05:05	1868-53-7	
Toluene-d8 (S)	100	%	77-118		1		06/19/21 05:05	2037-26-5	

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ANALYTICAL RESULTS

Project: Reed Manufacturing

Pace Project No.: 50289921

Sample: MW-5 Lab ID: 50289921004 Collected: 06/10/21 13:23 Received: 06/11/21 16:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Indianapolis									
Acetone	ND	ug/L	20.0	4.5	1		06/19/21 05:38	67-64-1	
Acrolein	ND	ug/L	20.0	6.5	1		06/19/21 05:38	107-02-8	L1
Acrylonitrile	ND	ug/L	100	0.70	1		06/19/21 05:38	107-13-1	
Benzene	ND	ug/L	1.0	0.10	1		06/19/21 05:38	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.065	1		06/19/21 05:38	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.14	1		06/19/21 05:38	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.16	1		06/19/21 05:38	75-27-4	
Bromoform	ND	ug/L	1.0	0.16	1		06/19/21 05:38	75-25-2	
Bromomethane	ND	ug/L	5.0	0.53	1		06/19/21 05:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	0.97	1		06/19/21 05:38	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.10	1		06/19/21 05:38	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.093	1		06/19/21 05:38	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.13	1		06/19/21 05:38	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.13	1		06/19/21 05:38	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.076	1		06/19/21 05:38	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.10	1		06/19/21 05:38	108-90-7	
Chloroethane	ND	ug/L	2.0	0.16	1		06/19/21 05:38	75-00-3	
Chloroform	ND	ug/L	1.0	0.096	1		06/19/21 05:38	67-66-3	
Chloromethane	ND	ug/L	2.0	0.24	1		06/19/21 05:38	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.11	1		06/19/21 05:38	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.17	1		06/19/21 05:38	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	0.19	1		06/19/21 05:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		06/19/21 05:38	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.19	1		06/19/21 05:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.10	1		06/19/21 05:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.14	1		06/19/21 05:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.16	1		06/19/21 05:38	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	0.36	1		06/19/21 05:38	110-57-6	
Dichlorodifluoromethane	ND	ug/L	2.0	0.24	1		06/19/21 05:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.088	1		06/19/21 05:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.13	1		06/19/21 05:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.090	1		06/19/21 05:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.084	1		06/19/21 05:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.12	1		06/19/21 05:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.16	1		06/19/21 05:38	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.13	1		06/19/21 05:38	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.26	1		06/19/21 05:38	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.14	1		06/19/21 05:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.18	1		06/19/21 05:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		06/19/21 05:38	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.087	1		06/19/21 05:38	100-41-4	
Ethyl methacrylate	ND	ug/L	20.0	0.17	1		06/19/21 05:38	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.68	1		06/19/21 05:38	87-68-3	
n-Hexane	ND	ug/L	5.0	0.20	1		06/19/21 05:38	110-54-3	
2-Hexanone	ND	ug/L	20.0	1.0	1		06/19/21 05:38	591-78-6	

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ANALYTICAL RESULTS

Project: Reed Manufacturing

Pace Project No.: 50289921

Sample: MW-5 Lab ID: 50289921004 Collected: 06/10/21 13:23 Received: 06/11/21 16:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Indianapolis									
Iodomethane	ND	ug/L	5.0	0.16	1		06/19/21 05:38	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.076	1		06/19/21 05:38	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.16	1		06/19/21 05:38	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1.3	1		06/19/21 05:38	75-09-2	
1-Methylnaphthalene	ND	ug/L	20.0	0.67	1		06/19/21 05:38	90-12-0	
2-Methylnaphthalene	ND	ug/L	20.0	0.49	1		06/19/21 05:38	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	1.0	1		06/19/21 05:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	0.074	1		06/19/21 05:38	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.25	1		06/19/21 05:38	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.069	1		06/19/21 05:38	103-65-1	
Styrene	ND	ug/L	1.0	0.078	1		06/19/21 05:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.14	1		06/19/21 05:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.14	1		06/19/21 05:38	79-34-5	
Tetrachloroethene	22.8	ug/L	1.0	0.21	1		06/19/21 05:38	127-18-4	
Toluene	ND	ug/L	1.0	0.086	1		06/19/21 05:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		06/19/21 05:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		06/19/21 05:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.082	1		06/19/21 05:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.33	1		06/19/21 05:38	79-00-5	
Trichloroethene	27.9	ug/L	1.0	0.17	1		06/19/21 05:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.13	1		06/19/21 05:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.25	1		06/19/21 05:38	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	0.069	1		06/19/21 05:38	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	0.091	1		06/19/21 05:38	108-67-8	
Vinyl acetate	ND	ug/L	20.0	0.35	1		06/19/21 05:38	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.21	1		06/19/21 05:38	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		06/19/21 05:38	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	78-117		1		06/19/21 05:38	460-00-4	
Dibromofluoromethane (S)	98	%	78-120		1		06/19/21 05:38	1868-53-7	
Toluene-d8 (S)	101	%	77-118		1		06/19/21 05:38	2037-26-5	

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ANALYTICAL RESULTS

Project: Reed Manufacturing

Pace Project No.: 50289921

Sample: MW-7 **Lab ID: 50289921005** Collected: 06/10/21 14:41 Received: 06/11/21 16:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Indianapolis									
Acetone	ND	ug/L	20.0	4.5	1		06/19/21 06:11	67-64-1	
Acrolein	ND	ug/L	20.0	6.5	1		06/19/21 06:11	107-02-8	L1
Acrylonitrile	ND	ug/L	100	0.70	1		06/19/21 06:11	107-13-1	
Benzene	ND	ug/L	1.0	0.10	1		06/19/21 06:11	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.065	1		06/19/21 06:11	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.14	1		06/19/21 06:11	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.16	1		06/19/21 06:11	75-27-4	
Bromoform	ND	ug/L	1.0	0.16	1		06/19/21 06:11	75-25-2	
Bromomethane	ND	ug/L	5.0	0.53	1		06/19/21 06:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	0.97	1		06/19/21 06:11	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.10	1		06/19/21 06:11	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.093	1		06/19/21 06:11	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.13	1		06/19/21 06:11	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.13	1		06/19/21 06:11	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.076	1		06/19/21 06:11	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.10	1		06/19/21 06:11	108-90-7	
Chloroethane	ND	ug/L	2.0	0.16	1		06/19/21 06:11	75-00-3	
Chloroform	ND	ug/L	1.0	0.096	1		06/19/21 06:11	67-66-3	
Chloromethane	ND	ug/L	2.0	0.24	1		06/19/21 06:11	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.11	1		06/19/21 06:11	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.17	1		06/19/21 06:11	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	0.19	1		06/19/21 06:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		06/19/21 06:11	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.19	1		06/19/21 06:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.10	1		06/19/21 06:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.14	1		06/19/21 06:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.16	1		06/19/21 06:11	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	0.36	1		06/19/21 06:11	110-57-6	
Dichlorodifluoromethane	ND	ug/L	2.0	0.24	1		06/19/21 06:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.088	1		06/19/21 06:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.13	1		06/19/21 06:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.090	1		06/19/21 06:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.084	1		06/19/21 06:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.12	1		06/19/21 06:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.16	1		06/19/21 06:11	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.13	1		06/19/21 06:11	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.26	1		06/19/21 06:11	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.14	1		06/19/21 06:11	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.18	1		06/19/21 06:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		06/19/21 06:11	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.087	1		06/19/21 06:11	100-41-4	
Ethyl methacrylate	ND	ug/L	20.0	0.17	1		06/19/21 06:11	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.68	1		06/19/21 06:11	87-68-3	
n-Hexane	ND	ug/L	5.0	0.20	1		06/19/21 06:11	110-54-3	
2-Hexanone	ND	ug/L	20.0	1.0	1		06/19/21 06:11	591-78-6	

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ANALYTICAL RESULTS

Project: Reed Manufacturing

Pace Project No.: 50289921

Sample: MW-7 Lab ID: 50289921005 Collected: 06/10/21 14:41 Received: 06/11/21 16:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Indianapolis									
Iodomethane	ND	ug/L	5.0	0.16	1		06/19/21 06:11	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.076	1		06/19/21 06:11	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.16	1		06/19/21 06:11	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1.3	1		06/19/21 06:11	75-09-2	
1-Methylnaphthalene	ND	ug/L	20.0	0.67	1		06/19/21 06:11	90-12-0	
2-Methylnaphthalene	ND	ug/L	20.0	0.49	1		06/19/21 06:11	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	1.0	1		06/19/21 06:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	0.074	1		06/19/21 06:11	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.25	1		06/19/21 06:11	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.069	1		06/19/21 06:11	103-65-1	
Styrene	ND	ug/L	1.0	0.078	1		06/19/21 06:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.14	1		06/19/21 06:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.14	1		06/19/21 06:11	79-34-5	
Tetrachloroethene	33.9	ug/L	1.0	0.21	1		06/19/21 06:11	127-18-4	
Toluene	ND	ug/L	1.0	0.086	1		06/19/21 06:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		06/19/21 06:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		06/19/21 06:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.082	1		06/19/21 06:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.33	1		06/19/21 06:11	79-00-5	
Trichloroethene	45.3	ug/L	1.0	0.17	1		06/19/21 06:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.13	1		06/19/21 06:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.25	1		06/19/21 06:11	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	0.069	1		06/19/21 06:11	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	0.091	1		06/19/21 06:11	108-67-8	
Vinyl acetate	ND	ug/L	20.0	0.35	1		06/19/21 06:11	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.21	1		06/19/21 06:11	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		06/19/21 06:11	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	104	%	78-117		1		06/19/21 06:11	460-00-4	
Dibromofluoromethane (S)	98	%	78-120		1		06/19/21 06:11	1868-53-7	
Toluene-d8 (S)	100	%	77-118		1		06/19/21 06:11	2037-26-5	

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ANALYTICAL RESULTS

Project: Reed Manufacturing
Pace Project No.: 50289921

Sample: MW-11 **Lab ID: 50289921006** Collected: 06/11/21 11:04 Received: 06/11/21 16:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Indianapolis									
Acetone	ND	ug/L	20.0	2.3	1		06/19/21 23:25	67-64-1	
Acrolein	ND	ug/L	20.0	7.6	1		06/19/21 23:25	107-02-8	L1,M0
Acrylonitrile	ND	ug/L	100	0.94	1		06/19/21 23:25	107-13-1	
Benzene	ND	ug/L	1.0	0.35	1		06/19/21 23:25	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.22	1		06/19/21 23:25	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.38	1		06/19/21 23:25	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.28	1		06/19/21 23:25	75-27-4	
Bromoform	ND	ug/L	1.0	0.36	1		06/19/21 23:25	75-25-2	
Bromomethane	ND	ug/L	5.0	0.67	1		06/19/21 23:25	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1.4	1		06/19/21 23:25	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.37	1		06/19/21 23:25	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		06/19/21 23:25	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.38	1		06/19/21 23:25	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.48	1		06/19/21 23:25	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.49	1		06/19/21 23:25	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		06/19/21 23:25	108-90-7	
Chloroethane	ND	ug/L	2.0	0.49	1		06/19/21 23:25	75-00-3	
Chloroform	ND	ug/L	1.0	0.35	1		06/19/21 23:25	67-66-3	
Chloromethane	ND	ug/L	2.0	0.42	1		06/19/21 23:25	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.29	1		06/19/21 23:25	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.39	1		06/19/21 23:25	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	0.28	1		06/19/21 23:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.34	1		06/19/21 23:25	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.26	1		06/19/21 23:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.28	1		06/19/21 23:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.32	1		06/19/21 23:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.28	1		06/19/21 23:25	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	0.57	1		06/19/21 23:25	110-57-6	
Dichlorodifluoromethane	ND	ug/L	2.0	0.40	1		06/19/21 23:25	75-71-8	M1
1,1-Dichloroethane	ND	ug/L	1.0	0.33	1		06/19/21 23:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.33	1		06/19/21 23:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.49	1		06/19/21 23:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.29	1		06/19/21 23:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.42	1		06/19/21 23:25	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		06/19/21 23:25	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.22	1		06/19/21 23:25	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.42	1		06/19/21 23:25	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.47	1		06/19/21 23:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.34	1		06/19/21 23:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		06/19/21 23:25	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.34	1		06/19/21 23:25	100-41-4	
Ethyl methacrylate	ND	ug/L	20.0	0.27	1		06/19/21 23:25	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.63	1		06/19/21 23:25	87-68-3	
n-Hexane	ND	ug/L	5.0	0.70	1		06/19/21 23:25	110-54-3	
2-Hexanone	ND	ug/L	20.0	1.7	1		06/19/21 23:25	591-78-6	

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ANALYTICAL RESULTS

Project: Reed Manufacturing

Pace Project No.: 50289921

Sample: MW-11 **Lab ID: 50289921006** Collected: 06/11/21 11:04 Received: 06/11/21 16:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Indianapolis									
Iodomethane	ND	ug/L	5.0	0.43	1		06/19/21 23:25	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.25	1		06/19/21 23:25	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.37	1		06/19/21 23:25	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1.6	1		06/19/21 23:25	75-09-2	
1-Methylnaphthalene	ND	ug/L	20.0	0.62	1		06/19/21 23:25	90-12-0	
2-Methylnaphthalene	ND	ug/L	20.0	0.71	1		06/19/21 23:25	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	1.7	1		06/19/21 23:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	0.24	1		06/19/21 23:25	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.31	1		06/19/21 23:25	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.40	1		06/19/21 23:25	103-65-1	
Styrene	ND	ug/L	1.0	0.23	1		06/19/21 23:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.30	1		06/19/21 23:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.32	1		06/19/21 23:25	79-34-5	
Tetrachloroethene	127	ug/L	1.0	0.46	1		06/19/21 23:25	127-18-4	
Toluene	ND	ug/L	1.0	0.38	1		06/19/21 23:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.38	1		06/19/21 23:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.46	1		06/19/21 23:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.46	1		06/19/21 23:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.30	1		06/19/21 23:25	79-00-5	
Trichloroethene	44.2	ug/L	1.0	0.35	1		06/19/21 23:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.30	1		06/19/21 23:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.47	1		06/19/21 23:25	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	0.34	1		06/19/21 23:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	0.36	1		06/19/21 23:25	108-67-8	
Vinyl acetate	ND	ug/L	20.0	0.48	1		06/19/21 23:25	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.24	1		06/19/21 23:25	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.39	1		06/19/21 23:25	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	106	%	78-117		1		06/19/21 23:25	460-00-4	
Dibromofluoromethane (S)	93	%	78-120		1		06/19/21 23:25	1868-53-7	
Toluene-d8 (S)	99	%	77-118		1		06/19/21 23:25	2037-26-5	

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ANALYTICAL RESULTS

Project: Reed Manufacturing

Pace Project No.: 50289921

Sample: MW-23 **Lab ID: 50289921007** Collected: 06/11/21 14:40 Received: 06/11/21 16:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Indianapolis									
Acetone	ND	ug/L	20.0	4.5	1		06/19/21 06:44	67-64-1	
Acrolein	ND	ug/L	20.0	6.5	1		06/19/21 06:44	107-02-8	L1
Acrylonitrile	ND	ug/L	100	0.70	1		06/19/21 06:44	107-13-1	
Benzene	ND	ug/L	1.0	0.10	1		06/19/21 06:44	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.065	1		06/19/21 06:44	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.14	1		06/19/21 06:44	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.16	1		06/19/21 06:44	75-27-4	
Bromoform	ND	ug/L	1.0	0.16	1		06/19/21 06:44	75-25-2	
Bromomethane	ND	ug/L	5.0	0.53	1		06/19/21 06:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	0.97	1		06/19/21 06:44	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.10	1		06/19/21 06:44	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.093	1		06/19/21 06:44	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.13	1		06/19/21 06:44	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.13	1		06/19/21 06:44	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.076	1		06/19/21 06:44	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.10	1		06/19/21 06:44	108-90-7	
Chloroethane	ND	ug/L	2.0	0.16	1		06/19/21 06:44	75-00-3	
Chloroform	ND	ug/L	1.0	0.096	1		06/19/21 06:44	67-66-3	
Chloromethane	ND	ug/L	2.0	0.24	1		06/19/21 06:44	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.11	1		06/19/21 06:44	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.17	1		06/19/21 06:44	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	0.19	1		06/19/21 06:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		06/19/21 06:44	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.19	1		06/19/21 06:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.10	1		06/19/21 06:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.14	1		06/19/21 06:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.16	1		06/19/21 06:44	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	0.36	1		06/19/21 06:44	110-57-6	
Dichlorodifluoromethane	ND	ug/L	2.0	0.24	1		06/19/21 06:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.088	1		06/19/21 06:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.13	1		06/19/21 06:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.090	1		06/19/21 06:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.084	1		06/19/21 06:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.12	1		06/19/21 06:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.16	1		06/19/21 06:44	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.13	1		06/19/21 06:44	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.26	1		06/19/21 06:44	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.14	1		06/19/21 06:44	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.18	1		06/19/21 06:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		06/19/21 06:44	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.087	1		06/19/21 06:44	100-41-4	
Ethyl methacrylate	ND	ug/L	20.0	0.17	1		06/19/21 06:44	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.68	1		06/19/21 06:44	87-68-3	
n-Hexane	ND	ug/L	5.0	0.20	1		06/19/21 06:44	110-54-3	
2-Hexanone	ND	ug/L	20.0	1.0	1		06/19/21 06:44	591-78-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Reed Manufacturing

Pace Project No.: 50289921

Sample: MW-23 **Lab ID: 50289921007** Collected: 06/11/21 14:40 Received: 06/11/21 16:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Indianapolis									
Iodomethane	ND	ug/L	5.0	0.16	1		06/19/21 06:44	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.076	1		06/19/21 06:44	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.16	1		06/19/21 06:44	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1.3	1		06/19/21 06:44	75-09-2	
1-Methylnaphthalene	ND	ug/L	20.0	0.67	1		06/19/21 06:44	90-12-0	
2-Methylnaphthalene	ND	ug/L	20.0	0.49	1		06/19/21 06:44	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	1.0	1		06/19/21 06:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	0.074	1		06/19/21 06:44	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.25	1		06/19/21 06:44	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.069	1		06/19/21 06:44	103-65-1	
Styrene	ND	ug/L	1.0	0.078	1		06/19/21 06:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.14	1		06/19/21 06:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.14	1		06/19/21 06:44	79-34-5	
Tetrachloroethene	95.8	ug/L	1.0	0.21	1		06/19/21 06:44	127-18-4	
Toluene	ND	ug/L	1.0	0.086	1		06/19/21 06:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		06/19/21 06:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		06/19/21 06:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.082	1		06/19/21 06:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.33	1		06/19/21 06:44	79-00-5	
Trichloroethene	208	ug/L	1.0	0.17	1		06/19/21 06:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.13	1		06/19/21 06:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.25	1		06/19/21 06:44	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	0.069	1		06/19/21 06:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	0.091	1		06/19/21 06:44	108-67-8	
Vinyl acetate	ND	ug/L	20.0	0.35	1		06/19/21 06:44	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.21	1		06/19/21 06:44	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		06/19/21 06:44	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	105	%	78-117		1		06/19/21 06:44	460-00-4	
Dibromofluoromethane (S)	95	%	78-120		1		06/19/21 06:44	1868-53-7	
Toluene-d8 (S)	102	%	77-118		1		06/19/21 06:44	2037-26-5	

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ANALYTICAL RESULTS

Project: Reed Manufacturing
Pace Project No.: 50289921

Sample: MW-30 **Lab ID: 50289921008** Collected: 06/11/21 12:50 Received: 06/11/21 16:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Indianapolis									
Acetone	ND	ug/L	20.0	4.5	1		06/19/21 07:50	67-64-1	
Acrolein	ND	ug/L	20.0	6.5	1		06/19/21 07:50	107-02-8	L1
Acrylonitrile	ND	ug/L	100	0.70	1		06/19/21 07:50	107-13-1	
Benzene	ND	ug/L	1.0	0.10	1		06/19/21 07:50	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.065	1		06/19/21 07:50	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.14	1		06/19/21 07:50	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.16	1		06/19/21 07:50	75-27-4	
Bromoform	ND	ug/L	1.0	0.16	1		06/19/21 07:50	75-25-2	
Bromomethane	ND	ug/L	5.0	0.53	1		06/19/21 07:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	0.97	1		06/19/21 07:50	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.10	1		06/19/21 07:50	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.093	1		06/19/21 07:50	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.13	1		06/19/21 07:50	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.13	1		06/19/21 07:50	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.076	1		06/19/21 07:50	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.10	1		06/19/21 07:50	108-90-7	
Chloroethane	ND	ug/L	2.0	0.16	1		06/19/21 07:50	75-00-3	
Chloroform	ND	ug/L	1.0	0.096	1		06/19/21 07:50	67-66-3	
Chloromethane	ND	ug/L	2.0	0.24	1		06/19/21 07:50	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.11	1		06/19/21 07:50	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.17	1		06/19/21 07:50	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	0.19	1		06/19/21 07:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		06/19/21 07:50	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.19	1		06/19/21 07:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.10	1		06/19/21 07:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.14	1		06/19/21 07:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.16	1		06/19/21 07:50	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	0.36	1		06/19/21 07:50	110-57-6	
Dichlorodifluoromethane	ND	ug/L	2.0	0.24	1		06/19/21 07:50	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.088	1		06/19/21 07:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.13	1		06/19/21 07:50	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.090	1		06/19/21 07:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.084	1		06/19/21 07:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.12	1		06/19/21 07:50	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.16	1		06/19/21 07:50	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.13	1		06/19/21 07:50	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.26	1		06/19/21 07:50	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.14	1		06/19/21 07:50	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.18	1		06/19/21 07:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		06/19/21 07:50	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.087	1		06/19/21 07:50	100-41-4	
Ethyl methacrylate	ND	ug/L	20.0	0.17	1		06/19/21 07:50	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.68	1		06/19/21 07:50	87-68-3	
n-Hexane	ND	ug/L	5.0	0.20	1		06/19/21 07:50	110-54-3	
2-Hexanone	ND	ug/L	20.0	1.0	1		06/19/21 07:50	591-78-6	

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ANALYTICAL RESULTS

Project: Reed Manufacturing

Pace Project No.: 50289921

Sample: MW-30 **Lab ID: 50289921008** Collected: 06/11/21 12:50 Received: 06/11/21 16:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Indianapolis									
Iodomethane	ND	ug/L	5.0	0.16	1		06/19/21 07:50	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.076	1		06/19/21 07:50	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.16	1		06/19/21 07:50	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1.3	1		06/19/21 07:50	75-09-2	
1-Methylnaphthalene	ND	ug/L	20.0	0.67	1		06/19/21 07:50	90-12-0	
2-Methylnaphthalene	ND	ug/L	20.0	0.49	1		06/19/21 07:50	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	1.0	1		06/19/21 07:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	0.074	1		06/19/21 07:50	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.25	1		06/19/21 07:50	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.069	1		06/19/21 07:50	103-65-1	
Styrene	ND	ug/L	1.0	0.078	1		06/19/21 07:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.14	1		06/19/21 07:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.14	1		06/19/21 07:50	79-34-5	
Tetrachloroethene	541	ug/L	10.0	2.1	10		06/19/21 07:17	127-18-4	
Toluene	ND	ug/L	1.0	0.086	1		06/19/21 07:50	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		06/19/21 07:50	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		06/19/21 07:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.082	1		06/19/21 07:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.33	1		06/19/21 07:50	79-00-5	
Trichloroethene	226	ug/L	1.0	0.17	1		06/19/21 07:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.13	1		06/19/21 07:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.25	1		06/19/21 07:50	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	0.069	1		06/19/21 07:50	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	0.091	1		06/19/21 07:50	108-67-8	
Vinyl acetate	ND	ug/L	20.0	0.35	1		06/19/21 07:50	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.21	1		06/19/21 07:50	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		06/19/21 07:50	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	78-117		1		06/19/21 07:50	460-00-4	
Dibromofluoromethane (S)	96	%	78-120		1		06/19/21 07:50	1868-53-7	
Toluene-d8 (S)	97	%	77-118		1		06/19/21 07:50	2037-26-5	

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ANALYTICAL RESULTS

Project: Reed Manufacturing

Pace Project No.: 50289921

Sample: MW-31 Lab ID: 50289921009 Collected: 06/11/21 12:18 Received: 06/11/21 16:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Indianapolis									
Acetone	ND	ug/L	20.0	4.5	1		06/19/21 08:23	67-64-1	
Acrolein	ND	ug/L	20.0	6.5	1		06/19/21 08:23	107-02-8	L1
Acrylonitrile	ND	ug/L	100	0.70	1		06/19/21 08:23	107-13-1	
Benzene	ND	ug/L	1.0	0.10	1		06/19/21 08:23	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.065	1		06/19/21 08:23	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.14	1		06/19/21 08:23	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.16	1		06/19/21 08:23	75-27-4	
Bromoform	ND	ug/L	1.0	0.16	1		06/19/21 08:23	75-25-2	
Bromomethane	ND	ug/L	5.0	0.53	1		06/19/21 08:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	0.97	1		06/19/21 08:23	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.10	1		06/19/21 08:23	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.093	1		06/19/21 08:23	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.13	1		06/19/21 08:23	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.13	1		06/19/21 08:23	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.076	1		06/19/21 08:23	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.10	1		06/19/21 08:23	108-90-7	
Chloroethane	ND	ug/L	2.0	0.16	1		06/19/21 08:23	75-00-3	
Chloroform	ND	ug/L	1.0	0.096	1		06/19/21 08:23	67-66-3	
Chloromethane	ND	ug/L	2.0	0.24	1		06/19/21 08:23	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.11	1		06/19/21 08:23	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.17	1		06/19/21 08:23	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	0.19	1		06/19/21 08:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		06/19/21 08:23	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.19	1		06/19/21 08:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.10	1		06/19/21 08:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.14	1		06/19/21 08:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.16	1		06/19/21 08:23	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	0.36	1		06/19/21 08:23	110-57-6	
Dichlorodifluoromethane	ND	ug/L	2.0	0.24	1		06/19/21 08:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.088	1		06/19/21 08:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.13	1		06/19/21 08:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.090	1		06/19/21 08:23	75-35-4	
cis-1,2-Dichloroethene	2.8	ug/L	1.0	0.084	1		06/19/21 08:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.12	1		06/19/21 08:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.16	1		06/19/21 08:23	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.13	1		06/19/21 08:23	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.26	1		06/19/21 08:23	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.14	1		06/19/21 08:23	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.18	1		06/19/21 08:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		06/19/21 08:23	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.087	1		06/19/21 08:23	100-41-4	
Ethyl methacrylate	ND	ug/L	20.0	0.17	1		06/19/21 08:23	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.68	1		06/19/21 08:23	87-68-3	
n-Hexane	ND	ug/L	5.0	0.20	1		06/19/21 08:23	110-54-3	
2-Hexanone	ND	ug/L	20.0	1.0	1		06/19/21 08:23	591-78-6	

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ANALYTICAL RESULTS

Project: Reed Manufacturing

Pace Project No.: 50289921

Sample: MW-31 **Lab ID: 50289921009** Collected: 06/11/21 12:18 Received: 06/11/21 16:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Indianapolis									
Iodomethane	ND	ug/L	5.0	0.16	1		06/19/21 08:23	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.076	1		06/19/21 08:23	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.16	1		06/19/21 08:23	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1.3	1		06/19/21 08:23	75-09-2	
1-Methylnaphthalene	ND	ug/L	20.0	0.67	1		06/19/21 08:23	90-12-0	
2-Methylnaphthalene	ND	ug/L	20.0	0.49	1		06/19/21 08:23	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	1.0	1		06/19/21 08:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	0.074	1		06/19/21 08:23	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.25	1		06/19/21 08:23	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.069	1		06/19/21 08:23	103-65-1	
Styrene	ND	ug/L	1.0	0.078	1		06/19/21 08:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.14	1		06/19/21 08:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.14	1		06/19/21 08:23	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.21	1		06/19/21 08:23	127-18-4	
Toluene	ND	ug/L	1.0	0.086	1		06/19/21 08:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		06/19/21 08:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		06/19/21 08:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.082	1		06/19/21 08:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.33	1		06/19/21 08:23	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.17	1		06/19/21 08:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.13	1		06/19/21 08:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.25	1		06/19/21 08:23	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	0.069	1		06/19/21 08:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	0.091	1		06/19/21 08:23	108-67-8	
Vinyl acetate	ND	ug/L	20.0	0.35	1		06/19/21 08:23	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.21	1		06/19/21 08:23	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		06/19/21 08:23	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	104	%	78-117		1		06/19/21 08:23	460-00-4	
Dibromofluoromethane (S)	97	%	78-120		1		06/19/21 08:23	1868-53-7	
Toluene-d8 (S)	102	%	77-118		1		06/19/21 08:23	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Reed Manufacturing

Pace Project No.: 50289921

Sample: DUP-01 **Lab ID: 50289921010** Collected: 06/11/21 08:00 Received: 06/11/21 16:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Indianapolis									
Acetone	ND	ug/L	20.0	4.5	1		06/19/21 09:29	67-64-1	
Acrolein	ND	ug/L	20.0	6.5	1		06/19/21 09:29	107-02-8	L1
Acrylonitrile	ND	ug/L	100	0.70	1		06/19/21 09:29	107-13-1	
Benzene	ND	ug/L	1.0	0.10	1		06/19/21 09:29	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.065	1		06/19/21 09:29	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.14	1		06/19/21 09:29	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.16	1		06/19/21 09:29	75-27-4	
Bromoform	ND	ug/L	1.0	0.16	1		06/19/21 09:29	75-25-2	
Bromomethane	ND	ug/L	5.0	0.53	1		06/19/21 09:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	0.97	1		06/19/21 09:29	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.10	1		06/19/21 09:29	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.093	1		06/19/21 09:29	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.13	1		06/19/21 09:29	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.13	1		06/19/21 09:29	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.076	1		06/19/21 09:29	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.10	1		06/19/21 09:29	108-90-7	
Chloroethane	ND	ug/L	2.0	0.16	1		06/19/21 09:29	75-00-3	
Chloroform	ND	ug/L	1.0	0.096	1		06/19/21 09:29	67-66-3	
Chloromethane	ND	ug/L	2.0	0.24	1		06/19/21 09:29	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.11	1		06/19/21 09:29	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.17	1		06/19/21 09:29	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	0.19	1		06/19/21 09:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.13	1		06/19/21 09:29	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.19	1		06/19/21 09:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.10	1		06/19/21 09:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.14	1		06/19/21 09:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.16	1		06/19/21 09:29	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	0.36	1		06/19/21 09:29	110-57-6	
Dichlorodifluoromethane	ND	ug/L	2.0	0.24	1		06/19/21 09:29	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.088	1		06/19/21 09:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.13	1		06/19/21 09:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.090	1		06/19/21 09:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.084	1		06/19/21 09:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.12	1		06/19/21 09:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.16	1		06/19/21 09:29	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.13	1		06/19/21 09:29	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.26	1		06/19/21 09:29	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.14	1		06/19/21 09:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.18	1		06/19/21 09:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.20	1		06/19/21 09:29	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.087	1		06/19/21 09:29	100-41-4	
Ethyl methacrylate	ND	ug/L	20.0	0.17	1		06/19/21 09:29	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.68	1		06/19/21 09:29	87-68-3	
n-Hexane	ND	ug/L	5.0	0.20	1		06/19/21 09:29	110-54-3	
2-Hexanone	ND	ug/L	20.0	1.0	1		06/19/21 09:29	591-78-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Reed Manufacturing

Pace Project No.: 50289921

Sample: DUP-01 **Lab ID: 50289921010** Collected: 06/11/21 08:00 Received: 06/11/21 16:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Indianapolis									
Iodomethane	ND	ug/L	5.0	0.16	1		06/19/21 09:29	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.076	1		06/19/21 09:29	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.16	1		06/19/21 09:29	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1.3	1		06/19/21 09:29	75-09-2	
1-Methylnaphthalene	ND	ug/L	20.0	0.67	1		06/19/21 09:29	90-12-0	
2-Methylnaphthalene	ND	ug/L	20.0	0.49	1		06/19/21 09:29	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	1.0	1		06/19/21 09:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	0.074	1		06/19/21 09:29	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.25	1		06/19/21 09:29	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.069	1		06/19/21 09:29	103-65-1	
Styrene	ND	ug/L	1.0	0.078	1		06/19/21 09:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.14	1		06/19/21 09:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.14	1		06/19/21 09:29	79-34-5	
Tetrachloroethene	486	ug/L	10.0	2.1	10		06/19/21 08:56	127-18-4	
Toluene	ND	ug/L	1.0	0.086	1		06/19/21 09:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		06/19/21 09:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		06/19/21 09:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.082	1		06/19/21 09:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.33	1		06/19/21 09:29	79-00-5	
Trichloroethene	233	ug/L	1.0	0.17	1		06/19/21 09:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.13	1		06/19/21 09:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.25	1		06/19/21 09:29	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	0.069	1		06/19/21 09:29	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	0.091	1		06/19/21 09:29	108-67-8	
Vinyl acetate	ND	ug/L	20.0	0.35	1		06/19/21 09:29	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.21	1		06/19/21 09:29	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.15	1		06/19/21 09:29	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	78-117		1		06/19/21 09:29	460-00-4	
Dibromofluoromethane (S)	96	%	78-120		1		06/19/21 09:29	1868-53-7	
Toluene-d8 (S)	98	%	77-118		1		06/19/21 09:29	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Reed Manufacturing

Pace Project No.: 50289921

QC Batch:	627013	Analysis Method:	EPA 5030B/8260
QC Batch Method:	EPA 5030B/8260	Analysis Description:	8260 MSV Low Level
		Laboratory:	Pace Analytical Services - Indianapolis

Associated Lab Samples: 50289921001, 50289921002, 50289921003, 50289921004, 50289921005, 50289921007, 50289921008, 50289921009, 50289921010

METHOD BLANK: 2889294 Matrix: Water

Associated Lab Samples: 50289921001, 50289921002, 50289921003, 50289921004, 50289921005, 50289921007, 50289921008, 50289921009, 50289921010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.14	06/19/21 03:27	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.082	06/19/21 03:27	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.14	06/19/21 03:27	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.33	06/19/21 03:27	
1,1-Dichloroethane	ug/L	ND	1.0	0.088	06/19/21 03:27	
1,1-Dichloroethene	ug/L	ND	1.0	0.090	06/19/21 03:27	
1,1-Dichloropropene	ug/L	ND	1.0	0.14	06/19/21 03:27	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.33	06/19/21 03:27	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.25	06/19/21 03:27	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.35	06/19/21 03:27	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	0.069	06/19/21 03:27	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.13	06/19/21 03:27	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.10	06/19/21 03:27	
1,2-Dichloroethane	ug/L	ND	1.0	0.13	06/19/21 03:27	
1,2-Dichloropropane	ug/L	ND	1.0	0.16	06/19/21 03:27	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	0.091	06/19/21 03:27	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.14	06/19/21 03:27	
1,3-Dichloropropane	ug/L	ND	1.0	0.13	06/19/21 03:27	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.16	06/19/21 03:27	
1-Methylnaphthalene	ug/L	ND	20.0	0.67	06/19/21 03:27	
2,2-Dichloropropane	ug/L	ND	1.0	0.26	06/19/21 03:27	
2-Butanone (MEK)	ug/L	ND	20.0	0.97	06/19/21 03:27	
2-Chlorotoluene	ug/L	ND	1.0	0.11	06/19/21 03:27	
2-Hexanone	ug/L	ND	20.0	1.0	06/19/21 03:27	
2-Methylnaphthalene	ug/L	ND	20.0	0.49	06/19/21 03:27	
4-Chlorotoluene	ug/L	ND	1.0	0.17	06/19/21 03:27	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20.0	1.0	06/19/21 03:27	
Acetone	ug/L	ND	20.0	4.5	06/19/21 03:27	
Acrolein	ug/L	ND	20.0	6.5	06/19/21 03:27	
Acrylonitrile	ug/L	ND	100	0.70	06/19/21 03:27	
Benzene	ug/L	ND	1.0	0.10	06/19/21 03:27	
Bromobenzene	ug/L	ND	1.0	0.065	06/19/21 03:27	
Bromochloromethane	ug/L	ND	1.0	0.14	06/19/21 03:27	
Bromodichloromethane	ug/L	ND	1.0	0.16	06/19/21 03:27	
Bromoform	ug/L	ND	1.0	0.16	06/19/21 03:27	
Bromomethane	ug/L	ND	5.0	0.53	06/19/21 03:27	
Carbon disulfide	ug/L	ND	5.0	0.13	06/19/21 03:27	
Carbon tetrachloride	ug/L	ND	1.0	0.076	06/19/21 03:27	
Chlorobenzene	ug/L	ND	1.0	0.10	06/19/21 03:27	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Reed Manufacturing
Pace Project No.: 50289921

METHOD BLANK: 2889294

Matrix: Water

Associated Lab Samples: 50289921001, 50289921002, 50289921003, 50289921004, 50289921005, 50289921007, 50289921008, 50289921009, 50289921010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloroethane	ug/L	ND	2.0	0.16	06/19/21 03:27	
Chloroform	ug/L	ND	1.0	0.096	06/19/21 03:27	
Chloromethane	ug/L	ND	2.0	0.24	06/19/21 03:27	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.084	06/19/21 03:27	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.18	06/19/21 03:27	
Dibromochloromethane	ug/L	ND	1.0	0.19	06/19/21 03:27	
Dibromomethane	ug/L	ND	1.0	0.19	06/19/21 03:27	
Dichlorodifluoromethane	ug/L	ND	2.0	0.24	06/19/21 03:27	
Ethyl methacrylate	ug/L	ND	20.0	0.17	06/19/21 03:27	
Ethylbenzene	ug/L	ND	1.0	0.087	06/19/21 03:27	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	0.68	06/19/21 03:27	
Iodomethane	ug/L	ND	5.0	0.16	06/19/21 03:27	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	0.076	06/19/21 03:27	
Methyl-tert-butyl ether	ug/L	ND	4.0	0.074	06/19/21 03:27	
Methylene Chloride	ug/L	ND	5.0	1.3	06/19/21 03:27	
n-Butylbenzene	ug/L	ND	1.0	0.10	06/19/21 03:27	
n-Hexane	ug/L	ND	5.0	0.20	06/19/21 03:27	
n-Propylbenzene	ug/L	ND	1.0	0.069	06/19/21 03:27	
Naphthalene	ug/L	ND	1.0	0.25	06/19/21 03:27	
p-Isopropyltoluene	ug/L	ND	1.0	0.16	06/19/21 03:27	
sec-Butylbenzene	ug/L	ND	1.0	0.093	06/19/21 03:27	
Styrene	ug/L	ND	1.0	0.078	06/19/21 03:27	
tert-Butylbenzene	ug/L	ND	1.0	0.13	06/19/21 03:27	
Tetrachloroethene	ug/L	ND	1.0	0.21	06/19/21 03:27	
Toluene	ug/L	ND	1.0	0.086	06/19/21 03:27	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.12	06/19/21 03:27	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.20	06/19/21 03:27	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	0.36	06/19/21 03:27	
Trichloroethene	ug/L	ND	1.0	0.17	06/19/21 03:27	
Trichlorofluoromethane	ug/L	ND	2.0	0.13	06/19/21 03:27	
Vinyl acetate	ug/L	ND	20.0	0.35	06/19/21 03:27	
Vinyl chloride	ug/L	ND	1.0	0.21	06/19/21 03:27	
Xylene (Total)	ug/L	ND	3.0	0.15	06/19/21 03:27	
4-Bromofluorobenzene (S)	%	104	78-117		06/19/21 03:27	
Dibromofluoromethane (S)	%	92	78-120		06/19/21 03:27	
Toluene-d8 (S)	%	103	77-118		06/19/21 03:27	

LABORATORY CONTROL SAMPLE: 2889295

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	49.7	99	76-125	
1,1,1-Trichloroethane	ug/L	50	50.1	100	73-132	
1,1,2,2-Tetrachloroethane	ug/L	50	51.2	102	65-131	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Reed Manufacturing

Pace Project No.: 50289921

LABORATORY CONTROL SAMPLE: 2889295

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2-Trichloroethane	ug/L	50	49.3	99	74-127	
1,1-Dichloroethane	ug/L	50	52.9	106	73-133	
1,1-Dichloroethene	ug/L	50	45.0	90	67-136	
1,1-Dichloropropene	ug/L	50	50.9	102	72-128	
1,2,3-Trichlorobenzene	ug/L	50	45.0	90	58-136	
1,2,3-Trichloropropane	ug/L	50	51.8	104	69-126	
1,2,4-Trichlorobenzene	ug/L	50	46.0	92	48-149	
1,2,4-Trimethylbenzene	ug/L	50	52.1	104	68-122	
1,2-Dibromoethane (EDB)	ug/L	50	48.9	98	76-126	
1,2-Dichlorobenzene	ug/L	50	48.6	97	75-114	
1,2-Dichloroethane	ug/L	50	50.7	101	69-135	
1,2-Dichloropropane	ug/L	50	55.5	111	78-134	
1,3,5-Trimethylbenzene	ug/L	50	53.7	107	68-120	
1,3-Dichlorobenzene	ug/L	50	47.3	95	70-119	
1,3-Dichloropropane	ug/L	50	54.1	108	74-131	
1,4-Dichlorobenzene	ug/L	50	46.7	93	69-117	
1-Methylnaphthalene	ug/L	50	43.1	86	68-139	
2,2-Dichloropropane	ug/L	50	37.3	75	61-127	
2-Butanone (MEK)	ug/L	250	257	103	56-164	
2-Chlorotoluene	ug/L	50	55.4	111	74-115	
2-Hexanone	ug/L	250	312	125	63-137	
2-Methylnaphthalene	ug/L	50	44.9	90	62-129	
4-Chlorotoluene	ug/L	50	50.5	101	74-115	
4-Methyl-2-pentanone (MIBK)	ug/L	250	299	120	64-134	
Acetone	ug/L	250	287	115	46-140	
Acrolein	ug/L	1000	1730	173	53-126	L1
Acrylonitrile	ug/L	250	263	105	68-132	
Benzene	ug/L	50	50.3	101	77-128	
Bromobenzene	ug/L	50	54.4	109	62-133	
Bromochloromethane	ug/L	50	48.5	97	71-124	
Bromodichloromethane	ug/L	50	51.4	103	70-124	
Bromoform	ug/L	50	43.9	88	65-116	
Bromomethane	ug/L	50	35.0	70	10-200	
Carbon disulfide	ug/L	50	44.4	89	70-131	
Carbon tetrachloride	ug/L	50	50.2	100	61-139	
Chlorobenzene	ug/L	50	50.2	100	76-124	
Chloroethane	ug/L	50	38.6	77	56-142	
Chloroform	ug/L	50	51.2	102	77-120	
Chloromethane	ug/L	50	31.3	63	29-141	
cis-1,2-Dichloroethene	ug/L	50	47.0	94	72-127	
cis-1,3-Dichloropropene	ug/L	50	49.0	98	71-131	
Dibromochloromethane	ug/L	50	47.8	96	69-132	
Dibromomethane	ug/L	50	48.7	97	76-130	
Dichlorodifluoromethane	ug/L	50	26.4	53	23-139	
Ethyl methacrylate	ug/L	50	50.5	101	66-128	
Ethylbenzene	ug/L	50	50.7	101	76-119	
Hexachloro-1,3-butadiene	ug/L	50	48.0	96	58-140	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Reed Manufacturing

Pace Project No.: 50289921

LABORATORY CONTROL SAMPLE: 2889295

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	50	67.4	135	10-200	
Isopropylbenzene (Cumene)	ug/L	50	52.9	106	77-128	
Methyl-tert-butyl ether	ug/L	50	48.2	96	75-129	
Methylene Chloride	ug/L	50	52.8	106	72-129	
n-Butylbenzene	ug/L	50	50.6	101	59-128	
n-Hexane	ug/L	50	44.7	89	75-141	
n-Propylbenzene	ug/L	50	54.6	109	71-116	
Naphthalene	ug/L	50	45.3	91	67-136	
p-Isopropyltoluene	ug/L	50	50.6	101	67-123	
sec-Butylbenzene	ug/L	50	51.2	102	70-119	
Styrene	ug/L	50	49.2	98	66-123	
tert-Butylbenzene	ug/L	50	55.7	111	54-133	
Tetrachloroethene	ug/L	50	50.0	100	70-124	
Toluene	ug/L	50	51.6	103	72-117	
trans-1,2-Dichloroethene	ug/L	50	47.0	94	75-133	
trans-1,3-Dichloropropene	ug/L	50	52.7	105	75-111	
trans-1,4-Dichloro-2-butene	ug/L	50	46.9J	94	39-147	
Trichloroethene	ug/L	50	48.8	98	75-130	
Trichlorofluoromethane	ug/L	50	37.6	75	63-162	
Vinyl acetate	ug/L	200	159	79	42-139	
Vinyl chloride	ug/L	50	39.1	78	51-140	
Xylene (Total)	ug/L	150	149	99	73-117	
4-Bromofluorobenzene (S)	%			107	78-117	
Dibromofluoromethane (S)	%			96	78-120	
Toluene-d8 (S)	%			101	77-118	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Reed Manufacturing
Pace Project No.: 50289921

QC Batch: 627108 Analysis Method: EPA 5030B/8260
QC Batch Method: EPA 5030B/8260 Analysis Description: 8260 MSV Low Level
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50289921006

METHOD BLANK: 2889915 Matrix: Water

Associated Lab Samples: 50289921006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.30	06/19/21 15:11	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.46	06/19/21 15:11	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.32	06/19/21 15:11	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.30	06/19/21 15:11	
1,1-Dichloroethane	ug/L	ND	1.0	0.33	06/19/21 15:11	
1,1-Dichloroethene	ug/L	ND	1.0	0.49	06/19/21 15:11	
1,1-Dichloropropene	ug/L	ND	1.0	0.47	06/19/21 15:11	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.38	06/19/21 15:11	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.47	06/19/21 15:11	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.46	06/19/21 15:11	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	0.34	06/19/21 15:11	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.34	06/19/21 15:11	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.28	06/19/21 15:11	
1,2-Dichloroethane	ug/L	ND	1.0	0.33	06/19/21 15:11	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	06/19/21 15:11	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	0.36	06/19/21 15:11	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.32	06/19/21 15:11	
1,3-Dichloropropane	ug/L	ND	1.0	0.22	06/19/21 15:11	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.28	06/19/21 15:11	
1-Methylnaphthalene	ug/L	ND	20.0	0.62	06/19/21 15:11	
2,2-Dichloropropane	ug/L	ND	1.0	0.42	06/19/21 15:11	
2-Butanone (MEK)	ug/L	ND	20.0	1.4	06/19/21 15:11	
2-Chlorotoluene	ug/L	ND	1.0	0.29	06/19/21 15:11	
2-Hexanone	ug/L	ND	20.0	1.7	06/19/21 15:11	
2-Methylnaphthalene	ug/L	ND	20.0	0.71	06/19/21 15:11	
4-Chlorotoluene	ug/L	ND	1.0	0.39	06/19/21 15:11	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20.0	1.7	06/19/21 15:11	
Acetone	ug/L	ND	20.0	2.3	06/19/21 15:11	
Acrolein	ug/L	ND	20.0	7.6	06/19/21 15:11	
Acrylonitrile	ug/L	ND	100	0.94	06/19/21 15:11	
Benzene	ug/L	ND	1.0	0.35	06/19/21 15:11	
Bromobenzene	ug/L	ND	1.0	0.22	06/19/21 15:11	
Bromochloromethane	ug/L	ND	1.0	0.38	06/19/21 15:11	
Bromodichloromethane	ug/L	ND	1.0	0.28	06/19/21 15:11	
Bromoform	ug/L	ND	1.0	0.36	06/19/21 15:11	
Bromomethane	ug/L	ND	5.0	0.67	06/19/21 15:11	
Carbon disulfide	ug/L	ND	5.0	0.48	06/19/21 15:11	
Carbon tetrachloride	ug/L	ND	1.0	0.49	06/19/21 15:11	
Chlorobenzene	ug/L	ND	1.0	0.28	06/19/21 15:11	
Chloroethane	ug/L	ND	2.0	0.49	06/19/21 15:11	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Reed Manufacturing
Pace Project No.: 50289921

METHOD BLANK: 2889915
Associated Lab Samples: 50289921006

Matrix: Water

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloroform	ug/L	ND	1.0	0.35	06/19/21 15:11	
Chloromethane	ug/L	ND	2.0	0.42	06/19/21 15:11	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.29	06/19/21 15:11	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.34	06/19/21 15:11	
Dibromochloromethane	ug/L	ND	1.0	0.28	06/19/21 15:11	
Dibromomethane	ug/L	ND	1.0	0.26	06/19/21 15:11	
Dichlorodifluoromethane	ug/L	ND	2.0	0.40	06/19/21 15:11	
Ethyl methacrylate	ug/L	ND	20.0	0.27	06/19/21 15:11	
Ethylbenzene	ug/L	ND	1.0	0.34	06/19/21 15:11	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	0.63	06/19/21 15:11	
Iodomethane	ug/L	ND	5.0	0.43	06/19/21 15:11	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	0.25	06/19/21 15:11	
Methyl-tert-butyl ether	ug/L	ND	4.0	0.24	06/19/21 15:11	
Methylene Chloride	ug/L	ND	5.0	1.6	06/19/21 15:11	
n-Butylbenzene	ug/L	ND	1.0	0.37	06/19/21 15:11	
n-Hexane	ug/L	ND	5.0	0.70	06/19/21 15:11	
n-Propylbenzene	ug/L	ND	1.0	0.40	06/19/21 15:11	
Naphthalene	ug/L	ND	1.0	0.31	06/19/21 15:11	
p-Isopropyltoluene	ug/L	ND	1.0	0.37	06/19/21 15:11	
sec-Butylbenzene	ug/L	ND	1.0	0.38	06/19/21 15:11	
Styrene	ug/L	ND	1.0	0.23	06/19/21 15:11	
tert-Butylbenzene	ug/L	ND	1.0	0.38	06/19/21 15:11	
Tetrachloroethene	ug/L	ND	1.0	0.46	06/19/21 15:11	
Toluene	ug/L	ND	1.0	0.38	06/19/21 15:11	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.42	06/19/21 15:11	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	06/19/21 15:11	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	0.57	06/19/21 15:11	
Trichloroethene	ug/L	ND	1.0	0.35	06/19/21 15:11	
Trichlorofluoromethane	ug/L	ND	2.0	0.30	06/19/21 15:11	
Vinyl acetate	ug/L	ND	20.0	0.48	06/19/21 15:11	
Vinyl chloride	ug/L	ND	1.0	0.24	06/19/21 15:11	
Xylene (Total)	ug/L	ND	3.0	0.39	06/19/21 15:11	
4-Bromofluorobenzene (S)	%	105	78-117		06/19/21 15:11	
Dibromofluoromethane (S)	%	93	78-120		06/19/21 15:11	
Toluene-d8 (S)	%	99	77-118		06/19/21 15:11	

LABORATORY CONTROL SAMPLE: 2889916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.3	95	76-125	
1,1,1-Trichloroethane	ug/L	50	47.0	94	73-132	
1,1,2,2-Tetrachloroethane	ug/L	50	50.7	101	65-131	
1,1,2-Trichloroethane	ug/L	50	46.4	93	74-127	
1,1-Dichloroethane	ug/L	50	49.7	99	73-133	

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QUALITY CONTROL DATA

Project: Reed Manufacturing

Pace Project No.: 50289921

LABORATORY CONTROL SAMPLE: 2889916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	50	46.4	93	67-136	
1,1-Dichloropropene	ug/L	50	50.2	100	72-128	
1,2,3-Trichlorobenzene	ug/L	50	48.4	97	58-136	
1,2,3-Trichloropropane	ug/L	50	49.2	98	69-126	
1,2,4-Trichlorobenzene	ug/L	50	47.4	95	48-149	
1,2,4-Trimethylbenzene	ug/L	50	50.1	100	68-122	
1,2-Dibromoethane (EDB)	ug/L	50	48.7	97	76-126	
1,2-Dichlorobenzene	ug/L	50	46.0	92	75-114	
1,2-Dichloroethane	ug/L	50	50.7	101	69-135	
1,2-Dichloropropane	ug/L	50	53.6	107	78-134	
1,3,5-Trimethylbenzene	ug/L	50	50.9	102	68-120	
1,3-Dichlorobenzene	ug/L	50	47.1	94	70-119	
1,3-Dichloropropane	ug/L	50	51.9	104	74-131	
1,4-Dichlorobenzene	ug/L	50	46.2	92	69-117	
1-Methylnaphthalene	ug/L	50	52.6	105	68-139	
2,2-Dichloropropane	ug/L	50	50.3	101	61-127	
2-Butanone (MEK)	ug/L	250	266	106	56-164	
2-Chlorotoluene	ug/L	50	51.0	102	74-115	
2-Hexanone	ug/L	250	306	122	63-137	
2-Methylnaphthalene	ug/L	50	52.2	104	62-129	
4-Chlorotoluene	ug/L	50	48.4	97	74-115	
4-Methyl-2-pentanone (MIBK)	ug/L	250	291	117	64-134	
Acetone	ug/L	250	261	104	46-140	
Acrolein	ug/L	1000	1930	193	53-126	L1
Acrylonitrile	ug/L	250	262	105	68-132	
Benzene	ug/L	50	49.5	99	77-128	
Bromobenzene	ug/L	50	53.7	107	62-133	
Bromochloromethane	ug/L	50	49.5	99	71-124	
Bromodichloromethane	ug/L	50	48.5	97	70-124	
Bromoform	ug/L	50	42.1	84	65-116	
Bromomethane	ug/L	50	29.7	59	10-200	
Carbon disulfide	ug/L	50	44.5	89	70-131	
Carbon tetrachloride	ug/L	50	46.1	92	61-139	
Chlorobenzene	ug/L	50	48.7	97	76-124	
Chloroethane	ug/L	50	36.6	73	56-142	
Chloroform	ug/L	50	45.1	90	77-120	
Chloromethane	ug/L	50	27.6	55	29-141	
cis-1,2-Dichloroethene	ug/L	50	44.6	89	72-127	
cis-1,3-Dichloropropene	ug/L	50	50.9	102	71-131	
Dibromochloromethane	ug/L	50	46.0	92	69-132	
Dibromomethane	ug/L	50	48.1	96	76-130	
Dichlorodifluoromethane	ug/L	50	23.8	48	23-139	
Ethyl methacrylate	ug/L	50	49.8	100	66-128	
Ethylbenzene	ug/L	50	48.2	96	76-119	
Hexachloro-1,3-butadiene	ug/L	50	55.8	112	58-140	
Iodomethane	ug/L	50	62.4	125	10-200	
Isopropylbenzene (Cumene)	ug/L	50	52.4	105	77-128	

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QUALITY CONTROL DATA

Project: Reed Manufacturing

Pace Project No.: 50289921

LABORATORY CONTROL SAMPLE: 2889916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methyl-tert-butyl ether	ug/L	50	48.2	96	75-129	
Methylene Chloride	ug/L	50	49.4	99	72-129	
n-Butylbenzene	ug/L	50	51.0	102	59-128	
n-Hexane	ug/L	50	49.7	99	75-141	
n-Propylbenzene	ug/L	50	52.4	105	71-116	
Naphthalene	ug/L	50	46.2	92	67-136	
p-Isopropyltoluene	ug/L	50	51.1	102	67-123	
sec-Butylbenzene	ug/L	50	50.9	102	70-119	
Styrene	ug/L	50	50.1	100	66-123	
tert-Butylbenzene	ug/L	50	51.5	103	54-133	
Tetrachloroethene	ug/L	50	50.0	100	70-124	
Toluene	ug/L	50	49.0	98	72-117	
trans-1,2-Dichloroethene	ug/L	50	44.1	88	75-133	
trans-1,3-Dichloropropene	ug/L	50	51.7	103	75-111	
trans-1,4-Dichloro-2-butene	ug/L	50	59.1J	118	39-147	
Trichloroethene	ug/L	50	48.3	97	75-130	
Trichlorofluoromethane	ug/L	50	35.5	71	63-162	
Vinyl acetate	ug/L	200	158	79	42-139	
Vinyl chloride	ug/L	50	36.8	74	51-140	
Xylene (Total)	ug/L	150	148	98	73-117	
4-Bromofluorobenzene (S)	%			109	78-117	
Dibromofluoromethane (S)	%			97	78-120	
Toluene-d8 (S)	%			98	77-118	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2889917 2889918

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		50289921006 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	49.0	46.9	98	94	40-147	4	20		
1,1,1-Trichloroethane	ug/L	ND	50	50	51.3	48.2	103	96	53-161	6	20		
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	50.0	47.9	100	96	58-134	4	20		
1,1,2-Trichloroethane	ug/L	ND	50	50	46.2	45.2	92	90	60-141	2	20		
1,1-Dichloroethane	ug/L	ND	50	50	54.0	50.1	108	100	67-140	7	20		
1,1-Dichloroethene	ug/L	ND	50	50	50.7	46.2	101	92	59-154	9	20		
1,1-Dichloropropene	ug/L	ND	50	50	54.7	51.3	109	103	31-153	6	20		
1,2,3-Trichlorobenzene	ug/L	ND	50	50	44.9	44.3	90	89	10-151	1	20		
1,2,3-Trichloropropane	ug/L	ND	50	50	47.4	47.0	95	94	63-140	1	20		
1,2,4-Trichlorobenzene	ug/L	ND	50	50	42.8	43.2	86	86	10-156	1	20		
1,2,4-Trimethylbenzene	ug/L	ND	50	50	49.7	48.2	99	96	11-145	3	20		
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	47.7	47.1	95	94	54-144	1	20		
1,2-Dichlorobenzene	ug/L	ND	50	50	45.9	44.2	92	88	17-145	4	20		
1,2-Dichloroethane	ug/L	ND	50	50	51.3	48.9	103	98	66-130	5	20		
1,2-Dichloropropane	ug/L	ND	50	50	53.8	51.7	108	103	65-136	4	20		
1,3,5-Trimethylbenzene	ug/L	ND	50	50	51.9	49.8	104	100	11-143	4	20		
1,3-Dichlorobenzene	ug/L	ND	50	50	45.2	44.6	90	89	10-146	1	20		

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QUALITY CONTROL DATA

Project: Reed Manufacturing

Pace Project No.: 50289921

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2889917												2889918											
Parameter	Units	50289921006		MS		MSD		MS		MSD		% Rec		Max		Qual							
		Result	Conc.	Spike	Conc.	Result	Conc.	Result	Conc.	% Rec	% Rec	Limits	RPD	RPD									
1,3-Dichloropropane	ug/L	ND	50	50	50	50	52.6	51.5	105	103	53-145	2	20										
1,4-Dichlorobenzene	ug/L	ND	50	50	50	50	44.2	44.4	88	89	17-141	1	20										
1-Methylnaphthalene	ug/L	ND	50	50	50	50	48.9	47.5	98	95	28-147	3	20										
2,2-Dichloropropane	ug/L	ND	50	50	50	50	44.7	41.7	89	83	35-142	7	20										
2-Butanone (MEK)	ug/L	ND	250	250	250	250	253	248	101	99	49-173	2	20										
2-Chlorotoluene	ug/L	ND	50	50	50	50	51.5	50.1	103	100	10-148	3	20										
2-Hexanone	ug/L	ND	250	250	250	250	292	296	117	118	57-142	1	20										
2-Methylnaphthalene	ug/L	ND	50	50	50	50	47.7	49.3	95	99	15-141	3	20										
4-Chlorotoluene	ug/L	ND	50	50	50	50	49.1	47.8	98	96	11-142	3	20										
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	250	250	289	287	115	115	59-139	1	20										
Acetone	ug/L	ND	250	250	250	250	264	263	106	105	44-171	0	20										
Acrolein	ug/L	ND	1000	1000	1000	1000	1680	1650	168	165	25-131	2	20	M0									
Acrylonitrile	ug/L	ND	250	250	250	250	258	249	103	100	60-145	4	20										
Benzene	ug/L	ND	50	50	50	50	51.0	47.8	102	96	69-128	7	20										
Bromobenzene	ug/L	ND	50	50	50	50	51.0	51.4	102	103	10-157	1	20										
Bromochloromethane	ug/L	ND	50	50	50	50	53.4	49.5	107	99	58-138	8	20										
Bromodichloromethane	ug/L	ND	50	50	50	50	49.3	47.4	99	95	51-138	4	20										
Bromoform	ug/L	ND	50	50	50	50	43.2	40.9	86	82	43-130	6	20										
Bromomethane	ug/L	ND	50	50	50	50	34.1	32.9	68	66	10-195	4	20										
Carbon disulfide	ug/L	ND	50	50	50	50	46.6	43.7	93	87	37-149	7	20										
Carbon tetrachloride	ug/L	ND	50	50	50	50	50.0	47.5	100	95	39-155	5	20										
Chlorobenzene	ug/L	ND	50	50	50	50	49.2	47.7	98	95	28-147	3	20										
Chloroethane	ug/L	ND	50	50	50	50	45.2	39.8	90	80	58-158	13	20										
Chloroform	ug/L	ND	50	50	50	50	47.1	44.1	93	88	54-141	7	20										
Chloromethane	ug/L	ND	50	50	50	50	28.8	29.4	58	59	41-145	2	20										
cis-1,2-Dichloroethene	ug/L	ND	50	50	50	50	46.0	44.0	92	88	45-150	4	20										
cis-1,3-Dichloropropene	ug/L	ND	50	50	50	50	48.2	47.8	96	96	42-139	1	20										
Dibromochloromethane	ug/L	ND	50	50	50	50	46.4	45.1	93	90	48-139	3	20										
Dibromomethane	ug/L	ND	50	50	50	50	47.3	45.2	95	90	58-140	5	20										
Dichlorodifluoromethane	ug/L	ND	50	50	50	50	17.7	17.3	35	35	45-161	2	20	M1									
Ethyl methacrylate	ug/L	ND	50	50	50	50	48.6	48.8	97	98	63-149	0	20										
Ethylbenzene	ug/L	ND	50	50	50	50	49.8	49.1	100	98	36-144	1	20										
Hexachloro-1,3-butadiene	ug/L	ND	50	50	50	50	51.1	52.8	102	106	10-164	3	20										
Iodomethane	ug/L	ND	50	50	50	50	44.6	53.0	89	106	10-196	17	20										
Isopropylbenzene (Cumene)	ug/L	ND	50	50	50	50	52.3	50.4	105	101	21-148	4	20										
Methyl-tert-butyl ether	ug/L	ND	50	50	50	50	49.2	46.6	98	93	72-135	5	20										
Methylene Chloride	ug/L	ND	50	50	50	50	48.7	44.6	97	89	58-136	9	20										
n-Butylbenzene	ug/L	ND	50	50	50	50	50.0	48.8	100	98	10-147	2	20										
n-Hexane	ug/L	ND	50	50	50	50	51.5	51.0	103	102	52-157	1	20										
n-Propylbenzene	ug/L	ND	50	50	50	50	52.6	51.2	105	102	11-141	3	20										
Naphthalene	ug/L	ND	50	50	50	50	41.8	42.5	84	85	45-134	1	20										
p-Isopropyltoluene	ug/L	ND	50	50	50	50	49.0	48.4	98	97	10-149	1	20										
sec-Butylbenzene	ug/L	ND	50	50	50	50	49.3	48.9	99	98	10-148	1	20										
Styrene	ug/L	ND	50	50	50	50	48.7	47.9	97	96	19-143	2	20										

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Reed Manufacturing

Pace Project No.: 50289921

Parameter	Units	2889917		2889918		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		50289921006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
tert-Butylbenzene	ug/L	ND	50	50	52.3	50.1	105	100	14-123	4	20		
Tetrachloroethene	ug/L	127	50	50	173	171	91	87	26-148	1	20		
Toluene	ug/L	ND	50	50	51.2	49.9	102	100	46-134	3	20		
trans-1,2-Dichloroethene	ug/L	ND	50	50	47.1	45.3	94	91	43-155	4	20		
trans-1,3-Dichloropropene	ug/L	ND	50	50	50.1	48.8	100	98	39-132	3	20		
trans-1,4-Dichloro-2-butene	ug/L	ND	50	50	50.6J	51.6J	101	103	18-143		20		
Trichloroethene	ug/L	44.2	50	50	92.1	88.5	96	89	35-151	4	20		
Trichlorofluoromethane	ug/L	ND	50	50	42.5	38.4	85	77	55-170	10	20		
Vinyl acetate	ug/L	ND	200	200	139	132	69	66	24-134	5	20		
Vinyl chloride	ug/L	ND	50	50	42.0	38.4	84	77	59-146	9	20		
Xylene (Total)	ug/L	ND	150	150	148	144	99	96	32-140	3	20		
4-Bromofluorobenzene (S)	%						108	109	78-117				
Dibromofluoromethane (S)	%						98	97	78-120				
Toluene-d8 (S)	%						101	100	77-118				

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QUALIFIERS

Project: Reed Manufacturing

Pace Project No.: 50289921

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Reed Manufacturing

Pace Project No.: 50289921

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50289921001	Trip Blank	EPA 5030B/8260	627013		
50289921002	Equipment Blank	EPA 5030B/8260	627013		
50289921003	MW-3	EPA 5030B/8260	627013		
50289921004	MW-5	EPA 5030B/8260	627013		
50289921005	MW-7	EPA 5030B/8260	627013		
50289921006	MW-11	EPA 5030B/8260	627108		
50289921007	MW-23	EPA 5030B/8260	627013		
50289921008	MW-30	EPA 5030B/8260	627013		
50289921009	MW-31	EPA 5030B/8260	627013		
50289921010	DUP-01	EPA 5030B/8260	627013		

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WO#: 50289921



50289921

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

This document constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Section C

Project Information:

Invoice Information:

Company: Ramboll US Consulting	Report To: Chuck Goodwin	Attention:
Address: One Indiana Square	Copy To:	Company Name:
Indianapolis, IN 46204		Address:
Email: cgoodwin@ramboll.com	Purchase Order #:	Pace Quote:
Phone: NONE Fax:	Project Name: Reed Manufacturing	Pace Project Manager: mick.mayse@pacelabs.com,
Requested Due Date: STD	Project #:	Pace Profile #: 2753 / 19

Regulatory Agency:
State / Location:
IN

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / . -) Sample IDs must be unique	MATRIX Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Other Tissue	CODE DW WT WW P SL OL WP AR OT TS	COLLECTED		# OF CONTAINERS	Preservatives							Analyses Test VOC by 8260 MS/MSD	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)				
				START DATE	END DATE		SAMPLE TEMP AT COLLECTION	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3				Methanol	Other		
																			DATE	TIME
1	Trip Blank			6/10/21	-	3					X									
2	Equipment Blank				0955	3						X								
3	MW-3				1142	3					X									
4	MW-5				1323	3					X									
5	MW-7			6/10/21	1441	3					X									
6	MW-11			6/11/21	1104	9					X				X					
7	MW-23				1440	3					X									
8	MW-30				1250	3					X									
9	MW-31				1218	3					X									
10	Dup-01			6/11/21	-	3					X									

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	
- low IVI RL's - IVI II reporting		Anna Du Dwyer / Ruben	6/11/21	1632	DALG / Daniel Pearson	6/17/21	1632	0.9	Y N Y

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Signature of SAMPLER:				
SIGNATURE of SAMPLER:	DATE Signed: 6/10/2021				



SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: DMP 6/11/21 18:05

- 1. Courier: FED EX UPS CLIENT PACE USPS OTHER _____
- 2. Custody Seal on Cooler/Box Present: Yes No
(If yes)Seals Intact: Yes No (leave blank if no seals were present)
- 3. Thermometer: 1 2 3 4 5 6 A B C D E F
- 4. Cooler Temperature: 0-4/0.9
Temp should be above freezing to 6°C (Initial/Corrected)

- 5. Packing Material: Bubble Wrap Bubble Bags
 None Other _____
- 6. Ice Type: Wet Blue None
- 7. If temp. is over 6°C or under 0°C, was the PM notified?: Yes No

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		<input checked="" type="checkbox"/>	All containers needing acid/base pres. Have been <u>CHECKED?</u> : exceptions: VOA, coliform, LLHg, O&G, and any container with a septum cap or preserved with HCl.			
Short Hold Time Analysis (48 hours or less)? Analysis:		<input checked="" type="checkbox"/>	Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9) Any non-conformance to pH recommendations will be noted on the container count form			<input checked="" type="checkbox"/>
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:			<u>Present</u>	<u>Absent</u>	<u>N/A</u>
Rush TAT Requested (4 days or less):		<input checked="" type="checkbox"/>	Residual Chlorine Check (SVOC 625 Pest/PCB 608)			<input checked="" type="checkbox"/>
Custody Signatures Present?	<input checked="" type="checkbox"/>		Residual Chlorine Check (Total/Amenable/Free Cyanide)			<input checked="" type="checkbox"/>
Containers Intact?:	<input checked="" type="checkbox"/>		Headspace Wisconsin Sulfide?	<u>Present</u>	<u>Absent</u>	<u>No VOA Vials Sent</u>
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	<input checked="" type="checkbox"/>		Headspace in VOA Vials (>6mm): See Container Count form for details		<input checked="" type="checkbox"/>	
Extra labels on Terracore Vials? (soils only)		<u>N/A</u>	Trip Blank Present?	<input checked="" type="checkbox"/>		
			Trip Blank Custody Seals?:	<input checked="" type="checkbox"/>		

COMMENTS:

Sample Container Count

SBS
DI
MeOH
(only)
BK
Kit

COC Line Item	WGFLU	R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U	DG9U	VG9T	AG0U	AG1H	AG1U	AG2U	AG3S	AG3SF	AG3C	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	Syringe Kit	Matrix	HNO3/ H2SO4 pH <2	NaOH/ ZnAc pH >9	NaOH pH >10	
1			3																											
2																														
3																														
4																														
5																														
6			9																											
7			3																											
8																														
9																														
10																														
11																														
12																														

Trip Blank
EB

MS / MSD

Container Codes

Glass				Plastic / Misc.			
DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
DG9S	40mL H2SO4 amber vial	BG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic	BP4S	125mL H2SO4 plastic
DG9T	40mL Na Thio amber vial	BG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic	Syringe Kit LL Cr+6 sampling kit	
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac	AF	Air Filter
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic	C	Air Cassettes
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic	R	Terracore kit
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic	SP5T	120mL Coliform Na Thiosulfate
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic	U	Summa Can
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac	ZPLC	Ziploc Bag
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic	WT	Water
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL	Solid
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered	NAL	OL Non-aqueous liquid Oil
BG1H	1L HCl clear glass	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic	WP	Wipe
BG1S	1L H2SO4 clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic		
		AG3C	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic		

**Remedial Progress Report
Reed Manufacturing Services – Franklin, IN
State Cleanup Site # 2013-42015**

APPENDIX C

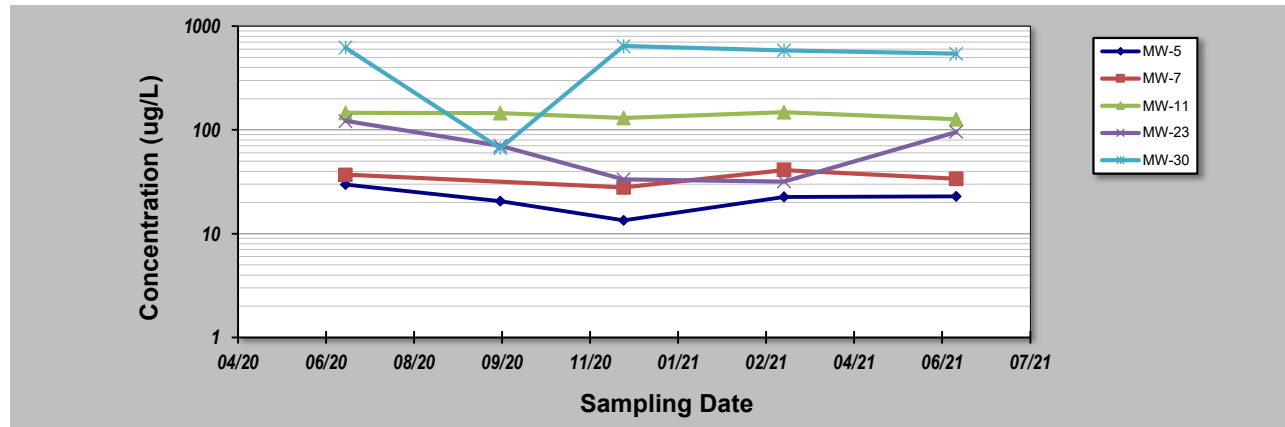
PLUME STABILITY INFORMATION

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: **8-Jul-21** Job ID: **1690003310**
 Facility Name: **Reed Manufacturing** Constituent: **PCE**
 Conducted By: **CG** Concentration Units: **ug/L**

Sampling Point ID: **MW-5** **MW-7** **MW-11** **MW-23** **MW-30**

Sampling Event	Sampling Date	PCE CONCENTRATION (ug/L)				
		MW-5	MW-7	MW-11	MW-23	MW-30
1	29-Jun-20	29.7	36.9	146	122	623
2	25-Sep-20	20.5		145	70.1	66.5
3	4-Dec-20	13.4	27.9	130	33.3	643
4	5-Mar-21	22.6	41.1	148	31.8	586
5	11-Jun-21	22.8	33.9	127	95.8	541
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
Coefficient of Variation:		0.27	0.16	0.07	0.56	0.49
Mann-Kendall Statistic (S):		0	0	-4	-4	-2
Confidence Factor:		40.8%	37.5%	75.8%	75.8%	59.2%
Concentration Trend:		Stable	Stable	Stable	Stable	Stable



Notes:

- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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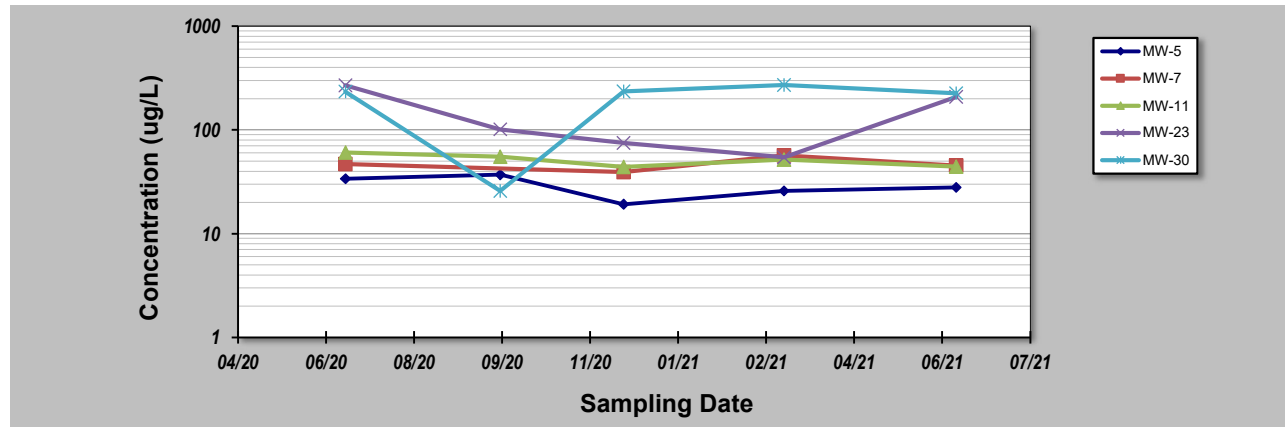
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 8-Jul-21	Job ID: 1690003310
Facility Name: Reed Manufacturing	Constituent: TCE
Conducted By: CG	Concentration Units: ug/L

Sampling Point ID:	MW-5	MW-7	MW-11	MW-23	MW-30		
--------------------	-------------	-------------	--------------	--------------	--------------	--	--

Sampling Event	Sampling Date	TCE CONCENTRATION (ug/L)						
		MW-5	MW-7	MW-11	MW-23	MW-30		
1	29-Jun-20	33.7	46.7	60.4	269	234		
2	25-Sep-20	37.0		55.2	101	25.9		
3	4-Dec-20	19.2	39.3	44.0	74.9	235		
4	5-Mar-21	25.9	56.7	51.9	54.6	271		
5	11-Jun-21	27.9	45.3	44.2	208	226		
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

Coefficient of Variation:	0.24	0.15	0.14	0.65	0.49		
Mann-Kendall Statistic (S):	-2	0	-6	-4	2		
Confidence Factor:	59.2%	37.5%	88.3%	75.8%	59.2%		
Concentration Trend:	Stable	Stable	Stable	Stable	No Trend		



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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