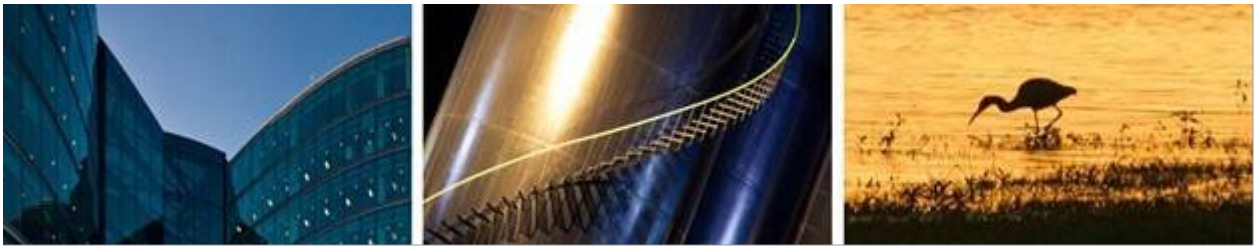
Intended for
Indiana Department of Environmental Management
Indianapolis, Indiana

Date
September 15, 2020

Project Number
1690003310

Remedial Progress Report
Reed Manufacturing Services
Franklin, Indiana
State Cleanup Incident #: 2013-42015



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

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Remedial Progress Report
Reed Manufacturing Services – Franklin, IN
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1. INTRODUCTION

Ramboll US Corporation (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 and vicinity are 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 extending onto the adjacent Hurricane Road Industrial Development (HRID) property (IDEM Site #2013-34567). A summary of the 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 first post-remediation sampling event conducted in June 2020 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 property, and extending 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 property 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, after installation of the infiltration gallery as discussed below.

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 complete 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 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 analytical results from the June 29-30, 2020 monitoring event.

3.1 Methodology

Ramboll completed monitoring well sampling activities from June 29-30, 2020 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.

Prior to sampling for each event, all monitoring wells were gauged with an electronic water level indicator. 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 VOCs by EPA Method 8260C. Groundwater monitoring samples were reported with Level II data quality objective (DQO).

All purge water and decontamination water were containerized on-Site and were disposed of at an off-Site disposal facility in accordance with State and Federal regulations.

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-7,
- A trip blank was maintained with the groundwater samples,
- 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 for the monitoring well network from the June 29, 2020 gauging event is included as **Figure 2**. Groundwater flow continues to be in a general easterly to southeasterly direction, which is consistent with prior monitoring events.

3.4 Groundwater Analytical Results

The June 2020 groundwater sampling analytical results are summarized in **Table 2** and **Figure 3**, and the laboratory report is included in **Appendix B**. Groundwater analytical results from all monitoring well sampling events to date from the subset of wells, as well as available data from the adjacent Hurricane Road Industrial Development / Former Houghland Tomato Cannery site (IDEM Site ID # 2013-42015) are included in **Table 2** and on **Figure 3**.

Chlorinated VOC concentrations in groundwater were generally consistent with previous sampling events. At the off-site shallow wells MW-11, MW-23, and MW-30, chlorinated VOC concentrations were notably lower in the prior March 2019 sampling event, but in June 2020, the PCE and TCE concentrations returned to levels consistent with before 2019. The highest concentrations of PCE and TCE from the on-Site monitoring wells in June 2020 was 36.9 micrograms per liter (µg/L) and 46.7 µg/L respectively, at MW-7. The highest concentration of PCE and TCE in off-Site monitoring wells was 623 µg/L and 234 µg/L respectively, at MW-30. Cis-1,2-dichloroethene (cis-1,2-DCE) was the only other VOC detected above the laboratory reporting limit in the monitoring wells sampled and was only detected at deep well MW-31. Per the April 24, 2020 *Source Area Remediation Report*, the proposed remedial goal is 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. In June 2020, PCE and TCE exceeded the CVESL at MW-30, and TCE exceeded the CVESL at MW-11.

Table 3 summarizes the stabilized field parameter data, as well as the field manganese data. Groundwater field parameters are generally consistent amongst the shallow monitoring wells. Deep well MW-31 had a negative ORP and lower dissolved oxygen than the shallow wells. The manganese results ranged from 0.8 mg/L at MW-11 to 7.1 mg/L at MW-5. Additional data will be needed to determine whether manganese will be an effective tracer for manganese/permanganate presence.

4. CONCLUSION

This Report documents the first groundwater monitoring event following the completed source area remedial activities at the Site and extending onto the adjacent HRID property. Findings from the groundwater sampling event were similar to previous events. PCE and/or TCE continue to exceed the CVESL at point of compliance wells MW-11 and MW-30.

Only a trace concentration of cis-1,2-DCE occurred at MW-31, indicating that deeper groundwater impacts have not occurred in this area. Additional quarterly sampling events will help determine the effectiveness of the remedy as well as any seasonal fluctuations. The results from one or two additional quarterly monitoring events 2020 will help determine if an additional groundwater treatment is necessary. The upcoming Third Quarter 2020 groundwater sampling event will be conducted in a similar manner as the June 2020 event.

5. REFERENCES

Indiana Department of Environmental Management (IDEM). 2012. Remediation Closure Guide. March 22, with updates through 2020.

IDEM. 2019. Source Area Remedial Plan Approval Letter. November 25.

Ramboll US Corporation (Ramboll). 2019. Source Area Remedial Plan. September 9.

Ramboll. 2020. Source Area Remediation Report. April 24.

United States Environmental Protection Agency (USEPA). 1987. Data Quality Objectives for Remedial Response Activities.

Remedial Progress Report
Reed Manufacturing Servies – Franklin, IN
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
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
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
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
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
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
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
MW-7	739.84	740.43	11-21	718.84-728.84	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
Off-Site Monitoring Wells (Hurricane Road Industrial Developoment / 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

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-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
MW-30	734.02	NA	9.5-14.5	719.5-724.5	06/29/20	10.30	723.72
MW-31	733.87	NA	25-30	703.8-708.8	06/29/20	9.53	724.34

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
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**	<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
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
Off-Site Wells (Hurricane 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
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
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
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
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) Remdiation Closure Guide (RCG) 2012, with updates through 2020.

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

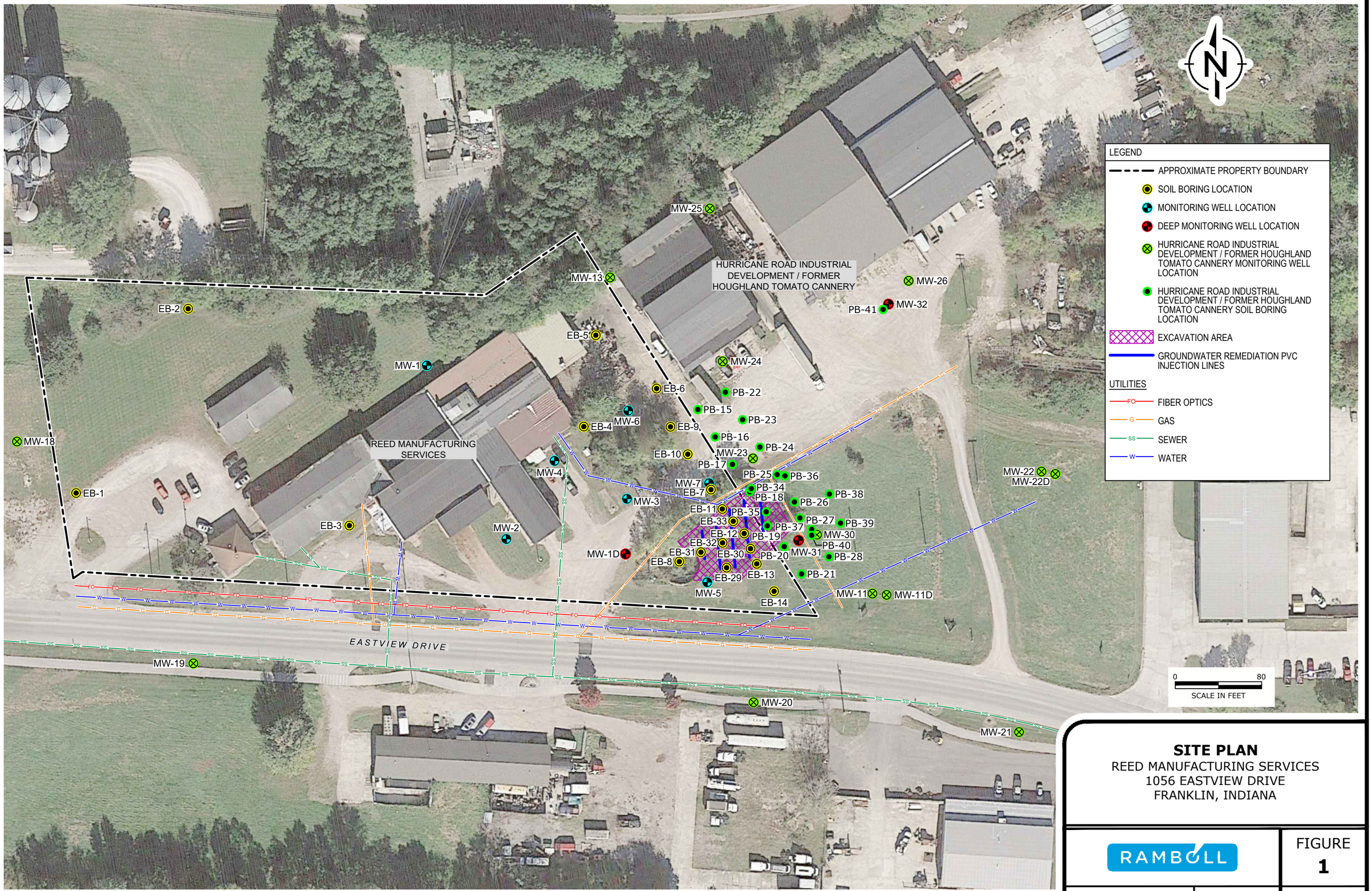
Table 3
Groundwater Field Parameter Summary
Reed Manufacturing Services
Franklin, IN
IDEM State Cleanup # 2013-42015

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
MW-5	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
MW-7	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	0.76	5.9	1.80	1.0
Off-Site Monitoring Wells								
MW-11	10/02/14	16.75	6.60	290	1.88	0	13.11	-
	10/08/15	17.60	6.82	174	0.786	0	2.70	-
	06/30/20	15.74	7.03	131	0.78	571	5.31	0.8
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
MW-30	06/30/20	18.57	7.05	97	0.76	1139	3.20	1.7
MW-31	06/30/20	23.96	7.52	-135	0.60	98.2	0.72	1.6

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

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

FIGURES



SOURCE: AERIAL IMAGERY: GOOGLE EARTH™, IMAGE DATED 10/22/2018.

SITE PLAN
REED MANUFACTURING SERVICES
1056 EASTVIEW DRIVE
FRANKLIN, INDIANA

RAMBOLL

FIGURE
1

DRAFTED BY: CKL	DATE: 9/3/2020	1690003310

L:\Loop Project Files_CAD\1690003310_Reed Manufacturing_Source Removal Plan_2020-08\01_Site Plan.dwg

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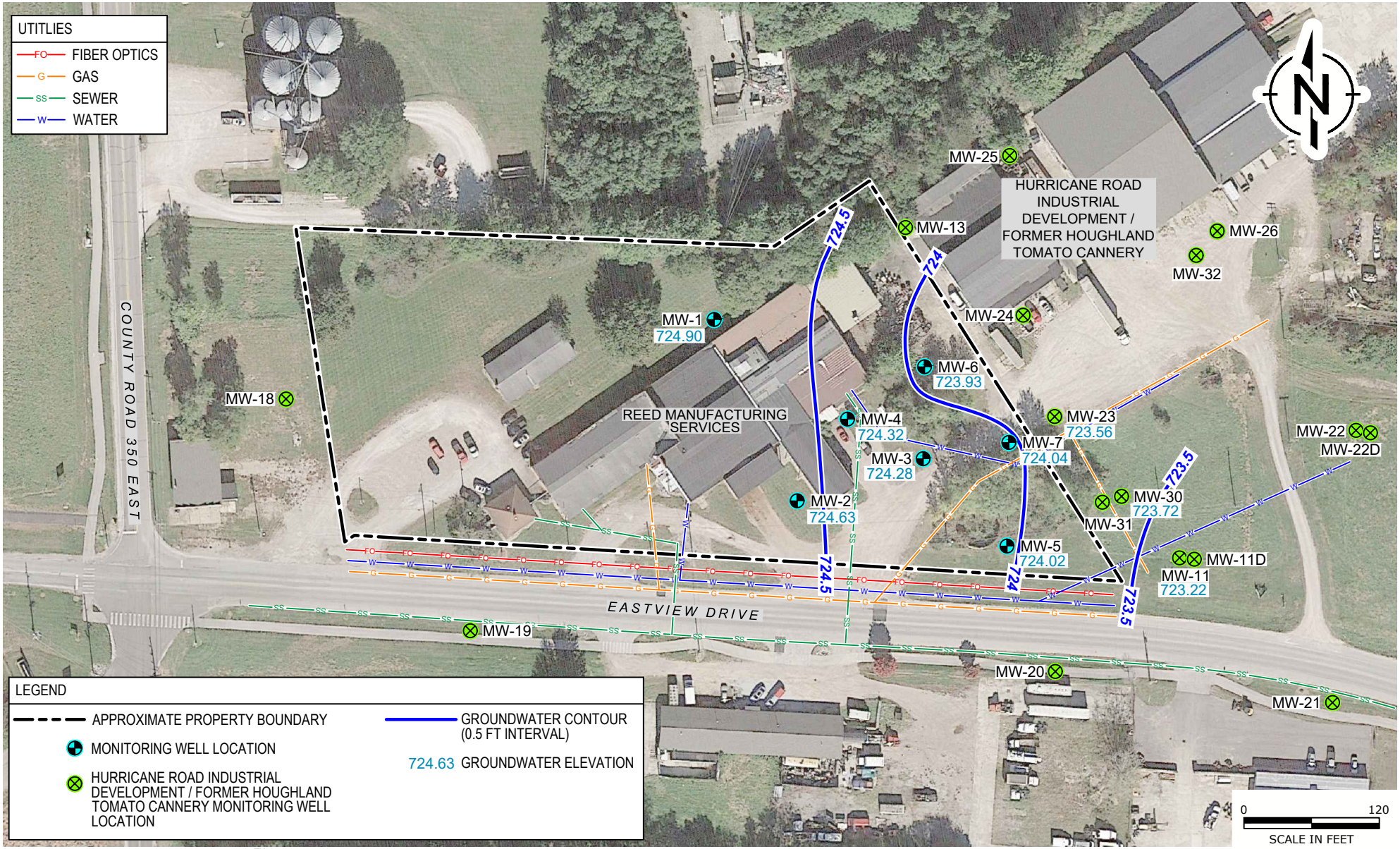

SOURCE: AERIAL IMAGERY: GOOGLE EARTH™, IMAGE DATED 10/22/2018.

RAMBOLL

POTENTIOMETRIC SURFACE MAP - JUNE 29, 2020

REED MANUFACTURING SERVICES
1056 EASTVIEW DRIVE
FRANKLIN, INDIANA

FIGURE
2

DRAFTED BY: CKL | DATE: 9/3/2020

1690003310

MW-23*						
Date	10/3/14	10/8/15	9/2/16	8/21/17	3/11/19	6/29/20
Depth Interval (ft)	10-20'					
PCE	**119**	**153**	**156**	**115**	**15.7**	**122**
TCE	**278**	**354**	**323**	**234**	**21.9**	**269**
All other cVOCs	ND	ND	ND	ND	ND	ND

MW-7					
Date	10/9/15	1/27/16	8/31/16	3/6/19	6/30/20
Depth Interval (ft)	11-21'				
PCE	**10.7**	**43.5**	**42.8**	**57.2**	**36.9**
TCE	**52.1**	**75.2**	**53.5**	**92.5**	**46.7**
All other cVOCs	ND	ND	ND	ND	ND

MW-3						
Date	10/3/14	10/9/15	1/27/16	8/31/16	3/5/19	6/30/20
Depth Interval (ft)	12-22'					
PCE	ND	**11.2**	3.1	3.7	**6.4**	**7.9**
TCE	**26.5**	**22.5**	**7.3**	**9.2**	**9.5**	**10.1**
All other cVOCs	ND	ND	ND	ND	ND	ND

MW-5					
Date	10/9/15	1/27/16	8/31/16	3/6/19	6/30/20
Depth Interval (ft)	7-17'				
PCE	**30.8**	**18.4**	**31.6**	**31.5**	**29.7**
TCE	**52.7**	**24.1**	**45.6**	**29.5**	**33.7**
All other cVOCs	ND	ND	ND	ND	ND

MW-31*			
Date	8/22/17	3/11/19	6/29/20
Depth Interval (ft)	25-30'		
PCE	**5.7**	ND	ND
cis-1,2-DCE	ND	ND	2.7
All other cVOCs	ND	ND	ND

MW-11*							
Date	10/2/14	10/8/15	9/2/16	8/21/17	6/15/18	3/5/19	6/29/20
Depth Interval (ft)	3.9-13.9'						
PCE	**126**	**140**	**136**	**124**	**102**	**39.6**	**146**
TCE	**106**	**106**	**110**	**82.4**	**60.0**	**29.5**	**60.4**
All other cVOCs	ND	ND	ND	ND	ND	ND	ND

MW-30*					
Date	9/2/16	8/22/17	6/15/18	3/11/19	6/29/20
Depth Interval (ft)	4-14'				
PCE	**695**	**475**	**520**	**293**	**623**
TCE	**386**	**253**	**283**	**163**	**234**
All other cVOCs	ND	ND	ND	ND	ND

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- 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

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 2020)

BOLD = Exceeds IDEM RCG Commercial Vapor Exposure Screening Level (shallow groundwater)

MW-25 MW-13 MW-1 MW-24 MW-6 MW-18 MW-4 MW-23 MW-7 MW-3 MW-2 MW-1D MW-5 MW-20 MW-19 MW-26 MW-32 MW-22 MW-22D MW-30 MW-31 MW-11 MW-11D MW-21

HURRICANE ROAD INDUSTRIAL DEVELOPMENT / FORMER HOUGHLAND TOMATO CANNERY

REED MANUFACTURING SERVICES

EASTVIEW DRIVE

0 80

SCALE IN FEET

SOURCE: AERIAL IMAGERY: GOOGLE EARTH™, IMAGE DATED 10/22/2018.

GROUNDWATER ANALYTICAL RESULTS MAP

REED MANUFACTURING SERVICES
1056 EASTVIEW DRIVE
FRANKLIN, INDIANA

RAMBOLL

FIGURE 3

DRAFTED BY: CKL | DATE: 9/3/2020 | 1690003310

L:\Loop Project Files_CAD\1690003310_Reed Manufacturing_Source Removal Plan_2020-08\03_GW Analytical Results Map.dwg

APPENDIX A

GROUNDWATER MONITORING FIELD DATA FORMS

Low-Flow Test Report:

Test Date / Time: 6/30/2020 8:40:18 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: 21.85 ft** **Initial Depth to Water: 15.38 ft**	**Pump Type: Bladder** **Tubing Type: Bonded LDPE** **Pump Intake From TOC: 18.57 ft** **Estimated Total Volume Pumped: 9000 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 600 Vented** **Serial Number: 450128**

Test Notes:
Purge began at 0821
Purge water cloudy light brown/turbid, let purge to clear
10/5 recharge
15 psi
Sample time 0913
Mn field kit

Weather Conditions:
Mostly sunny, humid, rain/storms overnight, 74°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	
6/30/2020 8:40 AM	00:00	6.87 pH	15.95 °C	0.71 mS/cm	5.74 mg/L	70.07 NTU	143.4 mV	15.38 ft	300.00 ml/min
6/30/2020 8:43 AM	03:00	6.91 pH	15.53 °C	0.72 mS/cm	5.76 mg/L	52.46 NTU	141.1 mV	15.38 ft	300.00 ml/min
6/30/2020 8:46 AM	06:00	6.93 pH	15.37 °C	0.72 mS/cm	5.84 mg/L	44.11 NTU	134.5 mV	15.38 ft	300.00 ml/min
6/30/2020 8:49 AM	09:00	6.94 pH	15.27 °C	0.72 mS/cm	5.78 mg/L	36.63 NTU	129.1 mV	15.38 ft	300.00 ml/min
6/30/2020 8:52 AM	12:00	6.94 pH	15.21 °C	0.72 mS/cm	5.80 mg/L	40.68 NTU	125.6 mV	15.38 ft	300.00 ml/min
6/30/2020 8:55 AM	15:00	6.93 pH	15.15 °C	0.72 mS/cm	5.84 mg/L	49.08 NTU	125.4 mV	15.38 ft	300.00 ml/min
6/30/2020 8:58 AM	18:00	6.93 pH	15.13 °C	0.72 mS/cm	5.83 mg/L	51.94 NTU	125.2 mV	15.38 ft	300.00 ml/min
6/30/2020 9:01 AM	21:00	6.93 pH	15.17 °C	0.72 mS/cm	5.82 mg/L	40.45 NTU	121.6 mV	15.38 ft	300.00 ml/min
6/30/2020 9:04 AM	24:00	6.93 pH	15.20 °C	0.71 mS/cm	5.86 mg/L	16.34 NTU	121.5 mV	15.38 ft	300.00 ml/min
6/30/2020 9:07 AM	27:00	6.93 pH	15.23 °C	0.72 mS/cm	5.85 mg/L	17.66 NTU	120.3 mV	15.38 ft	300.00 ml/min

6/30/2020 9:10 AM	30:00	6.93 pH	15.41 °C	0.72 mS/cm	5.87 mg/L	17.30 NTU	121.3 mV	15.38 ft	300.00 ml/min

Samples

Sample ID:	Description:
MW-3	VOC'S 3 40 mL VOAs hcl Mn field kit

Low-Flow Test Report:

Test Date / Time: 6/30/2020 10:08:59 AM
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: 16.67 ft** **Initial Depth to Water: 9.32 ft**	**Pump Type: Bladder** **Tubing Type: Bonded LDPE** **Pump Intake From TOC: 12.97 ft** **Estimated Total Volume Pumped: 7200 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: 450128**

Test Notes:
Purge began at 0948
10/5 recharge
10 psi
Sample time 1044
Mn field kit

Weather Conditions:
Partially cloudy, humid, 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	
6/30/2020 10:08 AM	00:00	6.98 pH	17.34 °C	0.75 mS/cm	2.65 mg/L	321.00 NTU	111.6 mV	9.32 ft	200.00 ml/min
6/30/2020 10:11 AM	03:00	7.00 pH	16.45 °C	0.73 mS/cm	2.55 mg/L	217.09 NTU	109.4 mV	9.32 ft	200.00 ml/min
6/30/2020 10:14 AM	06:00	7.01 pH	16.06 °C	0.74 mS/cm	2.52 mg/L	134.26 NTU	105.5 mV	9.32 ft	200.00 ml/min
6/30/2020 10:17 AM	09:00	7.00 pH	15.76 °C	0.74 mS/cm	2.57 mg/L	97.59 NTU	105.6 mV	9.32 ft	200.00 ml/min
6/30/2020 10:20 AM	12:00	7.00 pH	15.61 °C	0.74 mS/cm	2.53 mg/L	139.41 NTU	105.7 mV	9.32 ft	200.00 ml/min
6/30/2020 10:23 AM	15:00	7.00 pH	15.53 °C	0.71 mS/cm	2.57 mg/L	110.19 NTU	118.8 mV	9.32 ft	200.00 ml/min
6/30/2020 10:26 AM	18:00	7.00 pH	15.45 °C	0.71 mS/cm	2.56 mg/L	52.63 NTU	120.5 mV	9.32 ft	200.00 ml/min
6/30/2020 10:29 AM	21:00	7.00 pH	15.45 °C	0.70 mS/cm	2.56 mg/L	43.52 NTU	108.1 mV	9.32 ft	200.00 ml/min
6/30/2020 10:32 AM	24:00	7.00 pH	15.43 °C	0.69 mS/cm	2.55 mg/L	31.12 NTU	106.2 mV	9.32 ft	200.00 ml/min
6/30/2020 10:35 AM	27:00	7.00 pH	15.36 °C	0.69 mS/cm	2.57 mg/L	31.95 NTU	106.0 mV	9.32 ft	200.00 ml/min
6/30/2020 10:38 AM	30:00	7.00 pH	15.35 °C	0.69 mS/cm	2.60 mg/L	26.52 NTU	105.0 mV	9.32 ft	200.00 ml/min

6/30/2020 10:41 AM	33:00	7.00 pH	15.35 °C	0.69 mS/cm	2.58 mg/L	26.82 NTU	103.9 mV	9.32 ft	200.00 ml/min
6/30/2020 10:44 AM	36:00	7.00 pH	15.27 °C	0.69 mS/cm	2.59 mg/L	25.45 NTU	104.0 mV	9.32 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-5	VOC'S 3 40 mL VOAs hcl Mn field kit

Low-Flow Test Report:

Test Date / Time: 6/30/2020 11:27:37 AM
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: 17.61 ft** **Initial Depth to Water: 15.89 ft**	**Pump Type: Bladder** **Tubing Type: Bonded LDPE** **Pump Intake From TOC: 17 ft** **Estimated Total Volume Pumped: 1500 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: 450128**

Test Notes:
Purge began at 1114
Purge water clear; well silting in so connect to Aquatroll right away due to low water Volume
14/1 recharge
15 psi
Sample time 1156
Mn field kit

Weather Conditions:
Mostly cloudy, humid, 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	
6/30/2020 11:27 AM	00:00	6.93 pH	22.18 °C	0.75 mS/cm	2.44 mg/L	62.84 NTU	107.8 mV	15.89 ft	50.00 ml/min
6/30/2020 11:30 AM	03:00	6.93 pH	20.78 °C	0.75 mS/cm	2.02 mg/L	42.33 NTU	106.3 mV	15.89 ft	50.00 ml/min
6/30/2020 11:33 AM	06:00	6.92 pH	19.98 °C	0.75 mS/cm	1.88 mg/L	25.30 NTU	104.1 mV	15.89 ft	50.00 ml/min
6/30/2020 11:36 AM	09:00	6.93 pH	19.57 °C	0.75 mS/cm	1.87 mg/L	21.45 NTU	103.8 mV	15.89 ft	50.00 ml/min
6/30/2020 11:39 AM	12:00	6.92 pH	19.54 °C	0.75 mS/cm	1.86 mg/L	23.69 NTU	101.0 mV	15.89 ft	50.00 ml/min
6/30/2020 11:42 AM	15:00	6.92 pH	19.15 °C	0.75 mS/cm	1.87 mg/L	18.77 NTU	101.0 mV	15.89 ft	50.00 ml/min
6/30/2020 11:45 AM	18:00	6.91 pH	19.13 °C	0.76 mS/cm	1.84 mg/L	12.80 NTU	100.2 mV	15.89 ft	50.00 ml/min
6/30/2020 11:48 AM	21:00	6.92 pH	19.02 °C	0.76 mS/cm	1.85 mg/L	11.08 NTU	99.8 mV	15.89 ft	50.00 ml/min
6/30/2020 11:51 AM	24:00	6.91 pH	19.20 °C	0.76 mS/cm	1.88 mg/L	7.47 NTU	99.7 mV	15.89 ft	50.00 ml/min
6/30/2020 11:54 AM	27:00	6.92 pH	19.01 °C	0.76 mS/cm	1.81 mg/L	6.59 NTU	98.6 mV	15.89 ft	50.00 ml/min

6/30/2020 11:57 AM	30:00	6.92 pH	18.99 °C	0.76 mS/cm	1.80 mg/L	5.93 NTU	98.7 mV	15.89 ft	50.00 ml/min

Samples

Sample ID:	Description:
MW-7	VOC'S 3 40 mL VOAs hcl Mn field kit
Dup-01	VOC'S 3 40 mL VOAs hcl

Low-Flow Test Report:

Test Date / Time: 6/29/2020 10:13:42 AM
Project: Reed Manufacturing
Operator Name: AD

Location Name: MW-11 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 3.83 ft** **Total Depth: 13.87 ft** **Initial Depth to Water: 8.43 ft**	**Pump Type: Bladder** **Tubing Type: Bonded LDPE** **Pump Intake From TOC: 11.13 ft** **Estimated Total Volume Pumped: 4200 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: 450128**

Test Notes:
Purge began at 0952
Purge water cloudy/turbid, yellow color, let purge to clear
12/3 recharge
10 psi
Sample time 1039
Mn field reading

Weather Conditions:
Partially sunny, humid, 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	
6/29/2020 10:13 AM	00:00	7.05 pH	18.29 °C	0.64 mS/cm	6.69 mg/L	443.83 NTU	143.5 mV	8.43 ft	200.00 ml/min
6/29/2020 10:16 AM	03:00	7.07 pH	17.16 °C	0.68 mS/cm	6.50 mg/L	392.25 NTU	136.4 mV	8.43 ft	200.00 ml/min
6/29/2020 10:19 AM	06:00	7.06 pH	16.52 °C	0.71 mS/cm	6.24 mg/L	441.91 NTU	138.9 mV	8.43 ft	200.00 ml/min
6/29/2020 10:22 AM	09:00	7.04 pH	16.15 °C	0.74 mS/cm	5.95 mg/L	474.20 NTU	134.8 mV	8.43 ft	200.00 ml/min
6/29/2020 10:25 AM	12:00	7.03 pH	16.05 °C	0.75 mS/cm	5.81 mg/L	541.55 NTU	133.6 mV	8.43 ft	200.00 ml/min
6/29/2020 10:28 AM	15:00	7.03 pH	15.83 °C	0.77 mS/cm	5.58 mg/L	538.91 NTU	133.1 mV	8.43 ft	200.00 ml/min
6/29/2020 10:31 AM	18:00	7.03 pH	15.81 °C	0.78 mS/cm	5.50 mg/L	546.18 NTU	131.6 mV	8.43 ft	200.00 ml/min
6/29/2020 10:34 AM	21:00	7.03 pH	15.74 °C	0.78 mS/cm	5.31 mg/L	571.38 NTU	131.0 mV	8.43 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-11	VOCs 3 40 mL VOAs HCl Mn field test

Low-Flow Test Report:

Test Date / Time: 6/29/2020 1:48:04 PM
Project: Reed Manufacturing
Operator Name: AD

Location Name: MW-23 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 10 ft** **Total Depth: 19.62 ft** **Initial Depth to Water: 16.08 ft**	**Pump Type: Bladder** **Tubing Type: Bonded LDPE** **Pump Intake From TOC: 18.5 ft** **Estimated Total Volume Pumped: 750 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: 450128**

Test Notes:
Purge began at 1332
Purge water clear
13.5/1.5 recharge
15 psi
Sample time 1405
Mn field kit

Weather Conditions:
Mostly cloudy, humid, 85°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	
6/29/2020 1:48 PM	00:00	6.96 pH	21.64 °C	0.60 mS/cm	5.12 mg/L	84.03 NTU	64.5 mV	16.08 ft	50.00 ml/min
6/29/2020 1:51 PM	03:00	6.96 pH	20.93 °C	0.57 mS/cm	5.10 mg/L	86.35 NTU	65.8 mV	16.08 ft	50.00 ml/min
6/29/2020 1:54 PM	06:00	6.96 pH	20.59 °C	0.64 mS/cm	5.11 mg/L	91.84 NTU	67.3 mV	16.08 ft	50.00 ml/min
6/29/2020 1:57 PM	09:00	6.97 pH	20.47 °C	0.64 mS/cm	4.93 mg/L	112.47 NTU	68.2 mV	16.08 ft	50.00 ml/min
6/29/2020 2:00 PM	12:00	6.98 pH	20.25 °C	0.64 mS/cm	5.06 mg/L	115.20 NTU	69.0 mV	16.08 ft	50.00 ml/min
6/29/2020 2:03 PM	15:00	6.98 pH	20.08 °C	0.64 mS/cm	5.02 mg/L	120.68 NTU	69.4 mV	16.08 ft	50.00 ml/min

Samples

Sample ID:	Description:

MW-23	VOC'S 9 40 ml VOAs hcl Ms/msd Mn field kit

Low-Flow Test Report:

Test Date / Time: 6/29/2020 11:30:54 AM
Project: Reed Manufacturing
Operator Name: AD

Location Name: MW-30 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 4 ft** **Total Depth: 14.4 ft** **Initial Depth to Water: 10.38 ft**	**Pump Type: Bladder** **Tubing Type: Bonded LDPE** **Pump Intake From TOC: 12.05 ft** **Estimated Total Volume Pumped: 1500 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: 450128**

Test Notes:
Purge began at 1115
Purge water
13.5/1.5 recharge
10 psi
Sample time 1146
Mn field kit

Weather Conditions:
Sunny, humid, 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	
6/29/2020 11:30 AM	00:00	6.96 pH	24.67 °C	0.71 mS/cm	3.66 mg/L	930.47 NTU	119.8 mV	10.38 ft	100.00 ml/min
6/29/2020 11:33 AM	03:00	7.01 pH	20.52 °C	0.75 mS/cm	2.95 mg/L	1,181.2 NTU	99.8 mV	10.38 ft	100.00 ml/min
6/29/2020 11:36 AM	06:00	7.03 pH	19.38 °C	0.76 mS/cm	3.01 mg/L	1,056.7 NTU	97.1 mV	10.38 ft	100.00 ml/min
6/29/2020 11:39 AM	09:00	7.04 pH	18.88 °C	0.76 mS/cm	3.05 mg/L	1,043.2 NTU	101.4 mV	10.38 ft	100.00 ml/min
6/29/2020 11:42 AM	12:00	7.04 pH	18.63 °C	0.76 mS/cm	3.09 mg/L	1,077.1 NTU	96.3 mV	10.38 ft	100.00 ml/min
6/29/2020 11:45 AM	15:00	7.05 pH	18.57 °C	0.76 mS/cm	3.20 mg/L	1,139.4 NTU	96.7 mV	10.38 ft	100.00 ml/min

Samples

Sample ID:	Description:
MW-30	VOC'S 3 40 mL VOAs hcl Mn field kit

Low-Flow Test Report:

Test Date / Time: 6/29/2020 12:23:20 PM
Project: Reed Manufacturing
Operator Name: AD

Location Name: MW-31 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 25 ft** **Total Depth: 29.84 ft** **Initial Depth to Water: 9.9 ft**	**Pump Type: Bladder** **Tubing Type: Bonded LDPE** **Pump Intake From TOC: 27.5 ft** **Estimated Total Volume Pumped: 1650 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 50 ml/min** **Final Draw Down: 0.66 ft**	**Instrument Used: Aqua TROLL 600 Vented** **Serial Number: 450128**

Test Notes:
Purge began at 1209
Purge water clear with sulfur like odor
14/1 recharge
15 psi
Sample time 1258
Mn field kit

Weather Conditions:
Overcast, humid, 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	
6/29/2020 12:23 PM	00:00	7.47 pH	28.10 °C	0.62 mS/cm	1.57 mg/L	66.73 NTU	-82.6 mV	9.96 ft	50.00 ml/min
6/29/2020 12:26 PM	03:00	7.47 pH	28.41 °C	0.63 mS/cm	1.38 mg/L	53.06 NTU	-110.4 mV	10.02 ft	50.00 ml/min
6/29/2020 12:29 PM	06:00	7.46 pH	28.96 °C	0.63 mS/cm	1.38 mg/L	58.51 NTU	-115.8 mV	10.06 ft	50.00 ml/min
6/29/2020 12:32 PM	09:00	7.45 pH	29.56 °C	0.63 mS/cm	1.23 mg/L	44.73 NTU	-105.6 mV	10.09 ft	50.00 ml/min
6/29/2020 12:35 PM	12:00	7.44 pH	30.07 °C	0.63 mS/cm	1.23 mg/L	46.36 NTU	-97.4 mV	10.11 ft	50.00 ml/min
6/29/2020 12:38 PM	15:00	7.43 pH	30.55 °C	0.64 mS/cm	1.20 mg/L	43.79 NTU	-85.3 mV	10.13 ft	50.00 ml/min
6/29/2020 12:41 PM	18:00	7.43 pH	31.01 °C	0.63 mS/cm	1.25 mg/L	41.36 NTU	-85.8 mV	10.15 ft	50.00 ml/min
6/29/2020 12:44 PM	21:00	7.43 pH	30.58 °C	0.63 mS/cm	1.50 mg/L	66.08 NTU	-120.6 mV	10.22 ft	50.00 ml/min
6/29/2020 12:47 PM	24:00	7.47 pH	28.32 °C	0.60 mS/cm	1.20 mg/L	93.09 NTU	-127.8 mV	10.32 ft	50.00 ml/min
6/29/2020 12:50 PM	27:00	7.49 pH	26.15 °C	0.60 mS/cm	0.98 mg/L	84.73 NTU	-130.2 mV	10.41 ft	50.00 ml/min

6/29/2020 12:53 PM	30:00	7.51 pH	24.85 °C	0.61 mS/cm	0.80 mg/L	116.14 NTU	-133.4 mV	10.49 ft	50.00 ml/min
6/29/2020 12:56 PM	33:00	7.52 pH	23.96 °C	0.60 mS/cm	0.72 mg/L	98.23 NTU	-134.6 mV	10.56 ft	50.00 ml/min

Samples

Sample ID:	Description:
MW-31	VOC'S 3 40 mL VOAs hcl Mn field kit

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

APPENDIX B

LABORATORY ANALYTICAL REPORT

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

July 09, 2020

Mr. Chuck Goodwin
Ramboll Environ
One Indiana Square
Suite 2335
Indianapolis, IN 46204

RE: Project: Reed Manufacturing
Pace Project No.: 50261151

Dear Mr. Goodwin:

Enclosed are the analytical results for sample(s) received by the laboratory on June 30, 2020. 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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Reed Manufacturing
Pace Project No.: 50261151

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
West Virginia Certification #: 330
Wisconsin Laboratory #: 999788130
USDA Soil Permit #: P330-19-00257

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Reed Manufacturing
Pace Project No.: 50261151

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50261151001	**Trip Blank**	Water	06/29/20 08:00	06/30/20 13:32
50261151002	**Dup-01**	Water	06/29/20 08:00	06/30/20 13:32
50261151003	**MW-11**	Water	06/29/20 10:39	06/30/20 13:32
50261151004	**MW-30**	Water	06/29/20 11:46	06/30/20 13:32
50261151005	**MW-31**	Water	06/29/20 12:58	06/30/20 13:32
50261151006	**MW-23**	Water	06/29/20 14:05	06/30/20 13:32
50261151007	**MW-3**	Water	06/30/20 09:13	06/30/20 13:32
50261151008	**MW-5**	Water	06/30/20 10:44	06/30/20 13:32
50261151009	**MW-7**	Water	06/30/20 11:56	06/30/20 13:32
50261151010	**Equipment Blank**	Water	06/29/20 08:58	06/30/20 13:32

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Reed Manufacturing
Pace Project No.: 50261151

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50261151001	**Trip Blank**	EPA 5030B/8260	JPV	73	PASI-I
50261151002	**Dup-01**	EPA 5030B/8260	JPV	73	PASI-I
50261151003	**MW-11**	EPA 5030B/8260	JPV	73	PASI-I
50261151004	**MW-30**	EPA 5030B/8260	JPV, RSW	73	PASI-I
50261151005	**MW-31**	EPA 5030B/8260	JPV	73	PASI-I
50261151006	**MW-23**	EPA 5030B/8260	JPV	73	PASI-I
50261151007	**MW-3**	EPA 5030B/8260	JPV	73	PASI-I
50261151008	**MW-5**	EPA 5030B/8260	JPV	73	PASI-I
50261151009	**MW-7**	EPA 5030B/8260	JPV	73	PASI-I
50261151010	**Equipment Blank**	EPA 5030B/8260	JPV	73	PASI-I

PASI-I = Pace Analytical Services - Indianapolis

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Reed Manufacturing
Pace Project No.: 50261151

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50261151002	**Dup-01**					
EPA 5030B/8260	Tetrachloroethene	46.1	ug/L	1.0	07/02/20 04:18	
EPA 5030B/8260	Trichloroethene	50.7	ug/L	1.0	07/02/20 04:18	
50261151003	**MW-11**					
EPA 5030B/8260	Tetrachloroethene	146	ug/L	1.0	07/02/20 04:51	
EPA 5030B/8260	Trichloroethene	60.4	ug/L	1.0	07/02/20 04:51	
50261151004	**MW-30**					
EPA 5030B/8260	Tetrachloroethene	623	ug/L	10.0	07/02/20 13:44	
EPA 5030B/8260	Trichloroethene	234	ug/L	1.0	07/02/20 05:24	
50261151005	**MW-31**					
EPA 5030B/8260	cis-1,2-Dichloroethene	2.7	ug/L	1.0	07/02/20 05:57	
50261151006	**MW-23**					
EPA 5030B/8260	Tetrachloroethene	122	ug/L	1.0	07/02/20 09:16	
EPA 5030B/8260	Trichloroethene	269	ug/L	1.0	07/02/20 09:16	
50261151007	**MW-3**					
EPA 5030B/8260	Tetrachloroethene	7.9	ug/L	1.0	07/02/20 06:30	
EPA 5030B/8260	Trichloroethene	10.1	ug/L	1.0	07/02/20 06:30	
50261151008	**MW-5**					
EPA 5030B/8260	Tetrachloroethene	29.7	ug/L	1.0	07/02/20 07:04	
EPA 5030B/8260	Trichloroethene	33.7	ug/L	1.0	07/02/20 07:04	
50261151009	**MW-7**					
EPA 5030B/8260	Tetrachloroethene	36.9	ug/L	1.0	07/02/20 07:37	
EPA 5030B/8260	Trichloroethene	46.7	ug/L	1.0	07/02/20 07:37	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

PROJECT NARRATIVE

Project: Reed Manufacturing
Pace Project No.: 50261151

Method: **EPA 5030B/8260**
Description: 8260 MSV Low Level
Client: Ramboll Environ
Date: July 09, 2020

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.

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

QC Batch: 570227

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 50261151006

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

- MS (Lab ID: 2630656)
  - Chloromethane
- MSD (Lab ID: 2630657)
  - Iodomethane

R1: RPD value was outside control limits.

- MSD (Lab ID: 2630657)
  - Iodomethane

Additional Comments:

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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Reed Manufacturing
Pace Project No.: 50261151

Sample: Trip Blank **Lab ID: 50261151001** Collected: 06/29/20 08:00 Received: 06/30/20 13:32 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								
Acetone	ND	ug/L	20.0	3.4	1		07/02/20 03:45	67-64-1	
Acrolein	ND	ug/L	20.0	5.9	1		07/02/20 03:45	107-02-8	
Acrylonitrile	ND	ug/L	100	0.41	1		07/02/20 03:45	107-13-1	
Benzene	ND	ug/L	1.0	0.15	1		07/02/20 03:45	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.060	1		07/02/20 03:45	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		07/02/20 03:45	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		07/02/20 03:45	75-27-4	
Bromoform	ND	ug/L	1.0	0.14	1		07/02/20 03:45	75-25-2	
Bromomethane	ND	ug/L	5.0	0.35	1		07/02/20 03:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1.3	1		07/02/20 03:45	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.20	1		07/02/20 03:45	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.080	1		07/02/20 03:45	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.14	1		07/02/20 03:45	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.30	1		07/02/20 03:45	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.17	1		07/02/20 03:45	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.16	1		07/02/20 03:45	108-90-7	
Chloroethane	ND	ug/L	2.0	0.42	1		07/02/20 03:45	75-00-3	
Chloroform	ND	ug/L	1.0	0.090	1		07/02/20 03:45	67-66-3	
Chloromethane	ND	ug/L	2.0	0.37	1		07/02/20 03:45	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.11	1		07/02/20 03:45	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.19	1		07/02/20 03:45	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	0.12	1		07/02/20 03:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.19	1		07/02/20 03:45	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/02/20 03:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.070	1		07/02/20 03:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.10	1		07/02/20 03:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.15	1		07/02/20 03:45	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	0.40	1		07/02/20 03:45	110-57-6	
Dichlorodifluoromethane	ND	ug/L	2.0	0.39	1		07/02/20 03:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.12	1		07/02/20 03:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.13	1		07/02/20 03:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.31	1		07/02/20 03:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.23	1		07/02/20 03:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.26	1		07/02/20 03:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.24	1		07/02/20 03:45	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.14	1		07/02/20 03:45	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.28	1		07/02/20 03:45	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.17	1		07/02/20 03:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/02/20 03:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.17	1		07/02/20 03:45	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.13	1		07/02/20 03:45	100-41-4	
Ethyl methacrylate	ND	ug/L	20.0	0.10	1		07/02/20 03:45	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.24	1		07/02/20 03:45	87-68-3	
n-Hexane	ND	ug/L	5.0	0.18	1		07/02/20 03:45	110-54-3	
2-Hexanone	ND	ug/L	20.0	0.42	1		07/02/20 03:45	591-78-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Reed Manufacturing
Pace Project No.: 50261151

Sample: Trip Blank **Lab ID: 50261151001** Collected: 06/29/20 08:00 Received: 06/30/20 13:32 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	0.51	1		07/02/20 03:45	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.12	1		07/02/20 03:45	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.11	1		07/02/20 03:45	99-87-6	
Methylene Chloride	ND	ug/L	5.0	0.49	1		07/02/20 03:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	0.48	1		07/02/20 03:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	0.090	1		07/02/20 03:45	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.11	1		07/02/20 03:45	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.12	1		07/02/20 03:45	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		07/02/20 03:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.11	1		07/02/20 03:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.16	1		07/02/20 03:45	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.35	1		07/02/20 03:45	127-18-4	
Toluene	ND	ug/L	1.0	0.20	1		07/02/20 03:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.15	1		07/02/20 03:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.17	1		07/02/20 03:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.18	1		07/02/20 03:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.23	1		07/02/20 03:45	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.21	1		07/02/20 03:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.21	1		07/02/20 03:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.37	1		07/02/20 03:45	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	0.13	1		07/02/20 03:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	0.16	1		07/02/20 03:45	108-67-8	
Vinyl acetate	ND	ug/L	20.0	2.0	1		07/02/20 03:45	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.32	1		07/02/20 03:45	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.24	1		07/02/20 03:45	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	85-116		1		07/02/20 03:45	460-00-4	
Dibromofluoromethane (S)	101	%.	75-120		1		07/02/20 03:45	1868-53-7	
Toluene-d8 (S)	98	%.	83-111		1		07/02/20 03:45	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Reed Manufacturing
Pace Project No.: 50261151

Sample: Dup-01 **Lab ID: 50261151002** Collected: 06/29/20 08:00 Received: 06/30/20 13:32 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								
Acetone	ND	ug/L	20.0	3.4	1		07/02/20 04:18	67-64-1	
Acrolein	ND	ug/L	20.0	5.9	1		07/02/20 04:18	107-02-8	
Acrylonitrile	ND	ug/L	100	0.41	1		07/02/20 04:18	107-13-1	
Benzene	ND	ug/L	1.0	0.15	1		07/02/20 04:18	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.060	1		07/02/20 04:18	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		07/02/20 04:18	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		07/02/20 04:18	75-27-4	
Bromoform	ND	ug/L	1.0	0.14	1		07/02/20 04:18	75-25-2	
Bromomethane	ND	ug/L	5.0	0.35	1		07/02/20 04:18	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1.3	1		07/02/20 04:18	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.20	1		07/02/20 04:18	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.080	1		07/02/20 04:18	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.14	1		07/02/20 04:18	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.30	1		07/02/20 04:18	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.17	1		07/02/20 04:18	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.16	1		07/02/20 04:18	108-90-7	
Chloroethane	ND	ug/L	2.0	0.42	1		07/02/20 04:18	75-00-3	
Chloroform	ND	ug/L	1.0	0.090	1		07/02/20 04:18	67-66-3	
Chloromethane	ND	ug/L	2.0	0.37	1		07/02/20 04:18	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.11	1		07/02/20 04:18	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.19	1		07/02/20 04:18	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	0.12	1		07/02/20 04:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.19	1		07/02/20 04:18	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/02/20 04:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.070	1		07/02/20 04:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.10	1		07/02/20 04:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.15	1		07/02/20 04:18	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	0.40	1		07/02/20 04:18	110-57-6	
Dichlorodifluoromethane	ND	ug/L	2.0	0.39	1		07/02/20 04:18	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.12	1		07/02/20 04:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.13	1		07/02/20 04:18	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.31	1		07/02/20 04:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.23	1		07/02/20 04:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.26	1		07/02/20 04:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.24	1		07/02/20 04:18	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.14	1		07/02/20 04:18	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.28	1		07/02/20 04:18	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.17	1		07/02/20 04:18	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/02/20 04:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.17	1		07/02/20 04:18	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.13	1		07/02/20 04:18	100-41-4	
Ethyl methacrylate	ND	ug/L	20.0	0.10	1		07/02/20 04:18	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.24	1		07/02/20 04:18	87-68-3	
n-Hexane	ND	ug/L	5.0	0.18	1		07/02/20 04:18	110-54-3	
2-Hexanone	ND	ug/L	20.0	0.42	1		07/02/20 04:18	591-78-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Reed Manufacturing
Pace Project No.: 50261151

Sample: Dup-01 **Lab ID: 50261151002** Collected: 06/29/20 08:00 Received: 06/30/20 13:32 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	0.51	1		07/02/20 04:18	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.12	1		07/02/20 04:18	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.11	1		07/02/20 04:18	99-87-6	
Methylene Chloride	ND	ug/L	5.0	0.49	1		07/02/20 04:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	0.48	1		07/02/20 04:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	0.090	1		07/02/20 04:18	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.11	1		07/02/20 04:18	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.12	1		07/02/20 04:18	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		07/02/20 04:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.11	1		07/02/20 04:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.16	1		07/02/20 04:18	79-34-5	
Tetrachloroethene	**46.1**	ug/L	1.0	0.35	1		07/02/20 04:18	127-18-4	
Toluene	ND	ug/L	1.0	0.20	1		07/02/20 04:18	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.15	1		07/02/20 04:18	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.17	1		07/02/20 04:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.18	1		07/02/20 04:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.23	1		07/02/20 04:18	79-00-5	
Trichloroethene	**50.7**	ug/L	1.0	0.21	1		07/02/20 04:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.21	1		07/02/20 04:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.37	1		07/02/20 04:18	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	0.13	1		07/02/20 04:18	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	0.16	1		07/02/20 04:18	108-67-8	
Vinyl acetate	ND	ug/L	20.0	2.0	1		07/02/20 04:18	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.32	1		07/02/20 04:18	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.24	1		07/02/20 04:18	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%.	85-116		1		07/02/20 04:18	460-00-4	
Dibromofluoromethane (S)	103	%.	75-120		1		07/02/20 04:18	1868-53-7	
Toluene-d8 (S)	99	%.	83-111		1		07/02/20 04:18	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Reed Manufacturing
Pace Project No.: 50261151

Sample: MW-11 **Lab ID: 50261151003** Collected: 06/29/20 10:39 Received: 06/30/20 13:32 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								
Acetone	ND	ug/L	20.0	3.4	1		07/02/20 04:51	67-64-1	
Acrolein	ND	ug/L	20.0	5.9	1		07/02/20 04:51	107-02-8	
Acrylonitrile	ND	ug/L	100	0.41	1		07/02/20 04:51	107-13-1	
Benzene	ND	ug/L	1.0	0.15	1		07/02/20 04:51	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.060	1		07/02/20 04:51	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		07/02/20 04:51	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		07/02/20 04:51	75-27-4	
Bromoform	ND	ug/L	1.0	0.14	1		07/02/20 04:51	75-25-2	
Bromomethane	ND	ug/L	5.0	0.35	1		07/02/20 04:51	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1.3	1		07/02/20 04:51	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.20	1		07/02/20 04:51	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.080	1		07/02/20 04:51	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.14	1		07/02/20 04:51	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.30	1		07/02/20 04:51	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.17	1		07/02/20 04:51	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.16	1		07/02/20 04:51	108-90-7	
Chloroethane	ND	ug/L	2.0	0.42	1		07/02/20 04:51	75-00-3	
Chloroform	ND	ug/L	1.0	0.090	1		07/02/20 04:51	67-66-3	
Chloromethane	ND	ug/L	2.0	0.37	1		07/02/20 04:51	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.11	1		07/02/20 04:51	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.19	1		07/02/20 04:51	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	0.12	1		07/02/20 04:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.19	1		07/02/20 04:51	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/02/20 04:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.070	1		07/02/20 04:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.10	1		07/02/20 04:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.15	1		07/02/20 04:51	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	0.40	1		07/02/20 04:51	110-57-6	
Dichlorodifluoromethane	ND	ug/L	2.0	0.39	1		07/02/20 04:51	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.12	1		07/02/20 04:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.13	1		07/02/20 04:51	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.31	1		07/02/20 04:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.23	1		07/02/20 04:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.26	1		07/02/20 04:51	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.24	1		07/02/20 04:51	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.14	1		07/02/20 04:51	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.28	1		07/02/20 04:51	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.17	1		07/02/20 04:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/02/20 04:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.17	1		07/02/20 04:51	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.13	1		07/02/20 04:51	100-41-4	
Ethyl methacrylate	ND	ug/L	20.0	0.10	1		07/02/20 04:51	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.24	1		07/02/20 04:51	87-68-3	
n-Hexane	ND	ug/L	5.0	0.18	1		07/02/20 04:51	110-54-3	
2-Hexanone	ND	ug/L	20.0	0.42	1		07/02/20 04:51	591-78-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Reed Manufacturing
Pace Project No.: 50261151

Sample: MW-11 **Lab ID: 50261151003** Collected: 06/29/20 10:39 Received: 06/30/20 13:32 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	0.51	1		07/02/20 04:51	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.12	1		07/02/20 04:51	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.11	1		07/02/20 04:51	99-87-6	
Methylene Chloride	ND	ug/L	5.0	0.49	1		07/02/20 04:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	0.48	1		07/02/20 04:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	0.090	1		07/02/20 04:51	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.11	1		07/02/20 04:51	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.12	1		07/02/20 04:51	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		07/02/20 04:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.11	1		07/02/20 04:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.16	1		07/02/20 04:51	79-34-5	
Tetrachloroethene	**146**	ug/L	1.0	0.35	1		07/02/20 04:51	127-18-4	
Toluene	ND	ug/L	1.0	0.20	1		07/02/20 04:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.15	1		07/02/20 04:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.17	1		07/02/20 04:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.18	1		07/02/20 04:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.23	1		07/02/20 04:51	79-00-5	
Trichloroethene	**60.4**	ug/L	1.0	0.21	1		07/02/20 04:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.21	1		07/02/20 04:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.37	1		07/02/20 04:51	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	0.13	1		07/02/20 04:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	0.16	1		07/02/20 04:51	108-67-8	
Vinyl acetate	ND	ug/L	20.0	2.0	1		07/02/20 04:51	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.32	1		07/02/20 04:51	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.24	1		07/02/20 04:51	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%.	85-116		1		07/02/20 04:51	460-00-4	
Dibromofluoromethane (S)	99	%.	75-120		1		07/02/20 04:51	1868-53-7	
Toluene-d8 (S)	94	%.	83-111		1		07/02/20 04:51	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Reed Manufacturing
Pace Project No.: 50261151

Sample: MW-30 **Lab ID: 50261151004** Collected: 06/29/20 11:46 Received: 06/30/20 13:32 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								
Acetone	ND	ug/L	20.0	3.4	1		07/02/20 05:24	67-64-1	
Acrolein	ND	ug/L	20.0	5.9	1		07/02/20 05:24	107-02-8	
Acrylonitrile	ND	ug/L	100	0.41	1		07/02/20 05:24	107-13-1	
Benzene	ND	ug/L	1.0	0.15	1		07/02/20 05:24	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.060	1		07/02/20 05:24	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		07/02/20 05:24	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		07/02/20 05:24	75-27-4	
Bromoform	ND	ug/L	1.0	0.14	1		07/02/20 05:24	75-25-2	
Bromomethane	ND	ug/L	5.0	0.35	1		07/02/20 05:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1.3	1		07/02/20 05:24	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.20	1		07/02/20 05:24	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.080	1		07/02/20 05:24	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.14	1		07/02/20 05:24	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.30	1		07/02/20 05:24	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.17	1		07/02/20 05:24	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.16	1		07/02/20 05:24	108-90-7	
Chloroethane	ND	ug/L	2.0	0.42	1		07/02/20 05:24	75-00-3	
Chloroform	ND	ug/L	1.0	0.090	1		07/02/20 05:24	67-66-3	
Chloromethane	ND	ug/L	2.0	0.37	1		07/02/20 05:24	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.11	1		07/02/20 05:24	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.19	1		07/02/20 05:24	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	0.12	1		07/02/20 05:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.19	1		07/02/20 05:24	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/02/20 05:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.070	1		07/02/20 05:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.10	1		07/02/20 05:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.15	1		07/02/20 05:24	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	0.40	1		07/02/20 05:24	110-57-6	
Dichlorodifluoromethane	ND	ug/L	2.0	0.39	1		07/02/20 05:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.12	1		07/02/20 05:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.13	1		07/02/20 05:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.31	1		07/02/20 05:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.23	1		07/02/20 05:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.26	1		07/02/20 05:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.24	1		07/02/20 05:24	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.14	1		07/02/20 05:24	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.28	1		07/02/20 05:24	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.17	1		07/02/20 05:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/02/20 05:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.17	1		07/02/20 05:24	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.13	1		07/02/20 05:24	100-41-4	
Ethyl methacrylate	ND	ug/L	20.0	0.10	1		07/02/20 05:24	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.24	1		07/02/20 05:24	87-68-3	
n-Hexane	ND	ug/L	5.0	0.18	1		07/02/20 05:24	110-54-3	
2-Hexanone	ND	ug/L	20.0	0.42	1		07/02/20 05:24	591-78-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Reed Manufacturing
Pace Project No.: 50261151

Sample: MW-30 **Lab ID: 50261151004** Collected: 06/29/20 11:46 Received: 06/30/20 13:32 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	0.51	1		07/02/20 05:24	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.12	1		07/02/20 05:24	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.11	1		07/02/20 05:24	99-87-6	
Methylene Chloride	ND	ug/L	5.0	0.49	1		07/02/20 05:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	0.48	1		07/02/20 05:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	0.090	1		07/02/20 05:24	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.11	1		07/02/20 05:24	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.12	1		07/02/20 05:24	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		07/02/20 05:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.11	1		07/02/20 05:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.16	1		07/02/20 05:24	79-34-5	
Tetrachloroethene	**623**	ug/L	10.0	4.6	10		07/02/20 13:44	127-18-4	
Toluene	ND	ug/L	1.0	0.20	1		07/02/20 05:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.15	1		07/02/20 05:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.17	1		07/02/20 05:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.18	1		07/02/20 05:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.23	1		07/02/20 05:24	79-00-5	
Trichloroethene	**234**	ug/L	1.0	0.21	1		07/02/20 05:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.21	1		07/02/20 05:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.37	1		07/02/20 05:24	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	0.13	1		07/02/20 05:24	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	0.16	1		07/02/20 05:24	108-67-8	
Vinyl acetate	ND	ug/L	20.0	2.0	1		07/02/20 05:24	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.32	1		07/02/20 05:24	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.24	1		07/02/20 05:24	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%.	85-116		1		07/02/20 05:24	460-00-4	
Dibromofluoromethane (S)	101	%.	75-120		1		07/02/20 05:24	1868-53-7	
Toluene-d8 (S)	94	%.	83-111		1		07/02/20 05:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Reed Manufacturing
Pace Project No.: 50261151

Sample: MW-31 **Lab ID: 50261151005** Collected: 06/29/20 12:58 Received: 06/30/20 13:32 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								
Acetone	ND	ug/L	20.0	3.4	1		07/02/20 05:57	67-64-1	
Acrolein	ND	ug/L	20.0	5.9	1		07/02/20 05:57	107-02-8	
Acrylonitrile	ND	ug/L	100	0.41	1		07/02/20 05:57	107-13-1	
Benzene	ND	ug/L	1.0	0.15	1		07/02/20 05:57	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.060	1		07/02/20 05:57	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		07/02/20 05:57	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		07/02/20 05:57	75-27-4	
Bromoform	ND	ug/L	1.0	0.14	1		07/02/20 05:57	75-25-2	
Bromomethane	ND	ug/L	5.0	0.35	1		07/02/20 05:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1.3	1		07/02/20 05:57	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.20	1		07/02/20 05:57	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.080	1		07/02/20 05:57	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.14	1		07/02/20 05:57	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.30	1		07/02/20 05:57	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.17	1		07/02/20 05:57	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.16	1		07/02/20 05:57	108-90-7	
Chloroethane	ND	ug/L	2.0	0.42	1		07/02/20 05:57	75-00-3	
Chloroform	ND	ug/L	1.0	0.090	1		07/02/20 05:57	67-66-3	
Chloromethane	ND	ug/L	2.0	0.37	1		07/02/20 05:57	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.11	1		07/02/20 05:57	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.19	1		07/02/20 05:57	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	0.12	1		07/02/20 05:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.19	1		07/02/20 05:57	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/02/20 05:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.070	1		07/02/20 05:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.10	1		07/02/20 05:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.15	1		07/02/20 05:57	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	0.40	1		07/02/20 05:57	110-57-6	
Dichlorodifluoromethane	ND	ug/L	2.0	0.39	1		07/02/20 05:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.12	1		07/02/20 05:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.13	1		07/02/20 05:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.31	1		07/02/20 05:57	75-35-4	
cis-1,2-Dichloroethene	**2.7**	ug/L	1.0	0.23	1		07/02/20 05:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.26	1		07/02/20 05:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.24	1		07/02/20 05:57	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.14	1		07/02/20 05:57	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.28	1		07/02/20 05:57	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.17	1		07/02/20 05:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/02/20 05:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.17	1		07/02/20 05:57	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.13	1		07/02/20 05:57	100-41-4	
Ethyl methacrylate	ND	ug/L	20.0	0.10	1		07/02/20 05:57	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.24	1		07/02/20 05:57	87-68-3	
n-Hexane	ND	ug/L	5.0	0.18	1		07/02/20 05:57	110-54-3	
2-Hexanone	ND	ug/L	20.0	0.42	1		07/02/20 05:57	591-78-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Reed Manufacturing
Pace Project No.: 50261151

Sample: MW-31 **Lab ID: 50261151005** Collected: 06/29/20 12:58 Received: 06/30/20 13:32 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	0.51	1		07/02/20 05:57	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.12	1		07/02/20 05:57	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.11	1		07/02/20 05:57	99-87-6	
Methylene Chloride	ND	ug/L	5.0	0.49	1		07/02/20 05:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	0.48	1		07/02/20 05:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	0.090	1		07/02/20 05:57	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.11	1		07/02/20 05:57	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.12	1		07/02/20 05:57	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		07/02/20 05:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.11	1		07/02/20 05:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.16	1		07/02/20 05:57	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.35	1		07/02/20 05:57	127-18-4	
Toluene	ND	ug/L	1.0	0.20	1		07/02/20 05:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.15	1		07/02/20 05:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.17	1		07/02/20 05:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.18	1		07/02/20 05:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.23	1		07/02/20 05:57	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.21	1		07/02/20 05:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.21	1		07/02/20 05:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.37	1		07/02/20 05:57	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	0.13	1		07/02/20 05:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	0.16	1		07/02/20 05:57	108-67-8	
Vinyl acetate	ND	ug/L	20.0	2.0	1		07/02/20 05:57	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.32	1		07/02/20 05:57	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.24	1		07/02/20 05:57	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%.	85-116		1		07/02/20 05:57	460-00-4	
Dibromofluoromethane (S)	100	%.	75-120		1		07/02/20 05:57	1868-53-7	
Toluene-d8 (S)	96	%.	83-111		1		07/02/20 05:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Reed Manufacturing
Pace Project No.: 50261151

Sample: MW-23 **Lab ID: 50261151006** Collected: 06/29/20 14:05 Received: 06/30/20 13:32 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								
Acetone	ND	ug/L	20.0	3.4	1		07/02/20 09:16	67-64-1	
Acrolein	ND	ug/L	20.0	5.9	1		07/02/20 09:16	107-02-8	
Acrylonitrile	ND	ug/L	100	0.41	1		07/02/20 09:16	107-13-1	
Benzene	ND	ug/L	1.0	0.15	1		07/02/20 09:16	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.060	1		07/02/20 09:16	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		07/02/20 09:16	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		07/02/20 09:16	75-27-4	
Bromoform	ND	ug/L	1.0	0.14	1		07/02/20 09:16	75-25-2	
Bromomethane	ND	ug/L	5.0	0.35	1		07/02/20 09:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1.3	1		07/02/20 09:16	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.20	1		07/02/20 09:16	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.080	1		07/02/20 09:16	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.14	1		07/02/20 09:16	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.30	1		07/02/20 09:16	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.17	1		07/02/20 09:16	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.16	1		07/02/20 09:16	108-90-7	
Chloroethane	ND	ug/L	2.0	0.42	1		07/02/20 09:16	75-00-3	
Chloroform	ND	ug/L	1.0	0.090	1		07/02/20 09:16	67-66-3	
Chloromethane	ND	ug/L	2.0	0.37	1		07/02/20 09:16	74-87-3	M1
2-Chlorotoluene	ND	ug/L	1.0	0.11	1		07/02/20 09:16	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.19	1		07/02/20 09:16	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	0.12	1		07/02/20 09:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.19	1		07/02/20 09:16	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/02/20 09:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.070	1		07/02/20 09:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.10	1		07/02/20 09:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.15	1		07/02/20 09:16	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	0.40	1		07/02/20 09:16	110-57-6	
Dichlorodifluoromethane	ND	ug/L	2.0	0.39	1		07/02/20 09:16	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.12	1		07/02/20 09:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.13	1		07/02/20 09:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.31	1		07/02/20 09:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.23	1		07/02/20 09:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.26	1		07/02/20 09:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.24	1		07/02/20 09:16	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.14	1		07/02/20 09:16	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.28	1		07/02/20 09:16	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.17	1		07/02/20 09:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/02/20 09:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.17	1		07/02/20 09:16	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.13	1		07/02/20 09:16	100-41-4	
Ethyl methacrylate	ND	ug/L	20.0	0.10	1		07/02/20 09:16	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.24	1		07/02/20 09:16	87-68-3	
n-Hexane	ND	ug/L	5.0	0.18	1		07/02/20 09:16	110-54-3	
2-Hexanone	ND	ug/L	20.0	0.42	1		07/02/20 09:16	591-78-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Reed Manufacturing
Pace Project No.: 50261151

Sample: MW-23 **Lab ID: 50261151006** Collected: 06/29/20 14:05 Received: 06/30/20 13:32 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	0.51	1		07/02/20 09:16	74-88-4	M1,R1
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.12	1		07/02/20 09:16	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.11	1		07/02/20 09:16	99-87-6	
Methylene Chloride	ND	ug/L	5.0	0.49	1		07/02/20 09:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	0.48	1		07/02/20 09:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	0.090	1		07/02/20 09:16	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.11	1		07/02/20 09:16	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.12	1		07/02/20 09:16	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		07/02/20 09:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.11	1		07/02/20 09:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.16	1		07/02/20 09:16	79-34-5	
Tetrachloroethene	**122**	ug/L	1.0	0.35	1		07/02/20 09:16	127-18-4	
Toluene	ND	ug/L	1.0	0.20	1		07/02/20 09:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.15	1		07/02/20 09:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.17	1		07/02/20 09:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.18	1		07/02/20 09:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.23	1		07/02/20 09:16	79-00-5	
Trichloroethene	**269**	ug/L	1.0	0.21	1		07/02/20 09:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.21	1		07/02/20 09:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.37	1		07/02/20 09:16	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	0.13	1		07/02/20 09:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	0.16	1		07/02/20 09:16	108-67-8	
Vinyl acetate	ND	ug/L	20.0	2.0	1		07/02/20 09:16	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.32	1		07/02/20 09:16	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.24	1		07/02/20 09:16	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%.	85-116		1		07/02/20 09:16	460-00-4	
Dibromofluoromethane (S)	99	%.	75-120		1		07/02/20 09:16	1868-53-7	
Toluene-d8 (S)	98	%.	83-111		1		07/02/20 09:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Reed Manufacturing
Pace Project No.: 50261151

Sample: MW-3 **Lab ID: 50261151007** Collected: 06/30/20 09:13 Received: 06/30/20 13:32 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								
Acetone	ND	ug/L	20.0	3.4	1		07/02/20 06:30	67-64-1	
Acrolein	ND	ug/L	20.0	5.9	1		07/02/20 06:30	107-02-8	
Acrylonitrile	ND	ug/L	100	0.41	1		07/02/20 06:30	107-13-1	
Benzene	ND	ug/L	1.0	0.15	1		07/02/20 06:30	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.060	1		07/02/20 06:30	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		07/02/20 06:30	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		07/02/20 06:30	75-27-4	
Bromoform	ND	ug/L	1.0	0.14	1		07/02/20 06:30	75-25-2	
Bromomethane	ND	ug/L	5.0	0.35	1		07/02/20 06:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1.3	1		07/02/20 06:30	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.20	1		07/02/20 06:30	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.080	1		07/02/20 06:30	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.14	1		07/02/20 06:30	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.30	1		07/02/20 06:30	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.17	1		07/02/20 06:30	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.16	1		07/02/20 06:30	108-90-7	
Chloroethane	ND	ug/L	2.0	0.42	1		07/02/20 06:30	75-00-3	
Chloroform	ND	ug/L	1.0	0.090	1		07/02/20 06:30	67-66-3	
Chloromethane	ND	ug/L	2.0	0.37	1		07/02/20 06:30	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.11	1		07/02/20 06:30	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.19	1		07/02/20 06:30	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	0.12	1		07/02/20 06:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.19	1		07/02/20 06:30	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/02/20 06:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.070	1		07/02/20 06:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.10	1		07/02/20 06:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.15	1		07/02/20 06:30	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	0.40	1		07/02/20 06:30	110-57-6	
Dichlorodifluoromethane	ND	ug/L	2.0	0.39	1		07/02/20 06:30	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.12	1		07/02/20 06:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.13	1		07/02/20 06:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.31	1		07/02/20 06:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.23	1		07/02/20 06:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.26	1		07/02/20 06:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.24	1		07/02/20 06:30	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.14	1		07/02/20 06:30	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.28	1		07/02/20 06:30	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.17	1		07/02/20 06:30	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/02/20 06:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.17	1		07/02/20 06:30	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.13	1		07/02/20 06:30	100-41-4	
Ethyl methacrylate	ND	ug/L	20.0	0.10	1		07/02/20 06:30	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.24	1		07/02/20 06:30	87-68-3	
n-Hexane	ND	ug/L	5.0	0.18	1		07/02/20 06:30	110-54-3	
2-Hexanone	ND	ug/L	20.0	0.42	1		07/02/20 06:30	591-78-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Reed Manufacturing
Pace Project No.: 50261151

Sample: MW-3 **Lab ID: 50261151007** Collected: 06/30/20 09:13 Received: 06/30/20 13:32 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	0.51	1		07/02/20 06:30	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.12	1		07/02/20 06:30	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.11	1		07/02/20 06:30	99-87-6	
Methylene Chloride	ND	ug/L	5.0	0.49	1		07/02/20 06:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	0.48	1		07/02/20 06:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	0.090	1		07/02/20 06:30	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.11	1		07/02/20 06:30	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.12	1		07/02/20 06:30	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		07/02/20 06:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.11	1		07/02/20 06:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.16	1		07/02/20 06:30	79-34-5	
Tetrachloroethene	**7.9**	ug/L	1.0	0.35	1		07/02/20 06:30	127-18-4	
Toluene	ND	ug/L	1.0	0.20	1		07/02/20 06:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.15	1		07/02/20 06:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.17	1		07/02/20 06:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.18	1		07/02/20 06:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.23	1		07/02/20 06:30	79-00-5	
Trichloroethene	**10.1**	ug/L	1.0	0.21	1		07/02/20 06:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.21	1		07/02/20 06:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.37	1		07/02/20 06:30	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	0.13	1		07/02/20 06:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	0.16	1		07/02/20 06:30	108-67-8	
Vinyl acetate	ND	ug/L	20.0	2.0	1		07/02/20 06:30	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.32	1		07/02/20 06:30	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.24	1		07/02/20 06:30	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%.	85-116		1		07/02/20 06:30	460-00-4	
Dibromofluoromethane (S)	99	%.	75-120		1		07/02/20 06:30	1868-53-7	
Toluene-d8 (S)	100	%.	83-111		1		07/02/20 06:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Reed Manufacturing
Pace Project No.: 50261151

Sample: MW-5 **Lab ID: 50261151008** Collected: 06/30/20 10:44 Received: 06/30/20 13:32 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								
Acetone	ND	ug/L	20.0	3.4	1		07/02/20 07:04	67-64-1	
Acrolein	ND	ug/L	20.0	5.9	1		07/02/20 07:04	107-02-8	
Acrylonitrile	ND	ug/L	100	0.41	1		07/02/20 07:04	107-13-1	
Benzene	ND	ug/L	1.0	0.15	1		07/02/20 07:04	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.060	1		07/02/20 07:04	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		07/02/20 07:04	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		07/02/20 07:04	75-27-4	
Bromoform	ND	ug/L	1.0	0.14	1		07/02/20 07:04	75-25-2	
Bromomethane	ND	ug/L	5.0	0.35	1		07/02/20 07:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1.3	1		07/02/20 07:04	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.20	1		07/02/20 07:04	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.080	1		07/02/20 07:04	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.14	1		07/02/20 07:04	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.30	1		07/02/20 07:04	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.17	1		07/02/20 07:04	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.16	1		07/02/20 07:04	108-90-7	
Chloroethane	ND	ug/L	2.0	0.42	1		07/02/20 07:04	75-00-3	
Chloroform	ND	ug/L	1.0	0.090	1		07/02/20 07:04	67-66-3	
Chloromethane	ND	ug/L	2.0	0.37	1		07/02/20 07:04	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.11	1		07/02/20 07:04	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.19	1		07/02/20 07:04	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	0.12	1		07/02/20 07:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.19	1		07/02/20 07:04	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/02/20 07:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.070	1		07/02/20 07:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.10	1		07/02/20 07:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.15	1		07/02/20 07:04	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	0.40	1		07/02/20 07:04	110-57-6	
Dichlorodifluoromethane	ND	ug/L	2.0	0.39	1		07/02/20 07:04	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.12	1		07/02/20 07:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.13	1		07/02/20 07:04	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.31	1		07/02/20 07:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.23	1		07/02/20 07:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.26	1		07/02/20 07:04	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.24	1		07/02/20 07:04	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.14	1		07/02/20 07:04	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.28	1		07/02/20 07:04	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.17	1		07/02/20 07:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/02/20 07:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.17	1		07/02/20 07:04	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.13	1		07/02/20 07:04	100-41-4	
Ethyl methacrylate	ND	ug/L	20.0	0.10	1		07/02/20 07:04	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.24	1		07/02/20 07:04	87-68-3	
n-Hexane	ND	ug/L	5.0	0.18	1		07/02/20 07:04	110-54-3	
2-Hexanone	ND	ug/L	20.0	0.42	1		07/02/20 07:04	591-78-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Reed Manufacturing
Pace Project No.: 50261151

Sample: MW-5 **Lab ID: 50261151008** Collected: 06/30/20 10:44 Received: 06/30/20 13:32 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	0.51	1		07/02/20 07:04	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.12	1		07/02/20 07:04	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.11	1		07/02/20 07:04	99-87-6	
Methylene Chloride	ND	ug/L	5.0	0.49	1		07/02/20 07:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	0.48	1		07/02/20 07:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	0.090	1		07/02/20 07:04	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.11	1		07/02/20 07:04	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.12	1		07/02/20 07:04	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		07/02/20 07:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.11	1		07/02/20 07:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.16	1		07/02/20 07:04	79-34-5	
Tetrachloroethene	**29.7**	ug/L	1.0	0.35	1		07/02/20 07:04	127-18-4	
Toluene	ND	ug/L	1.0	0.20	1		07/02/20 07:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.15	1		07/02/20 07:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.17	1		07/02/20 07:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.18	1		07/02/20 07:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.23	1		07/02/20 07:04	79-00-5	
Trichloroethene	**33.7**	ug/L	1.0	0.21	1		07/02/20 07:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.21	1		07/02/20 07:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.37	1		07/02/20 07:04	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	0.13	1		07/02/20 07:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	0.16	1		07/02/20 07:04	108-67-8	
Vinyl acetate	ND	ug/L	20.0	2.0	1		07/02/20 07:04	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.32	1		07/02/20 07:04	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.24	1		07/02/20 07:04	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%.	85-116		1		07/02/20 07:04	460-00-4	
Dibromofluoromethane (S)	99	%.	75-120		1		07/02/20 07:04	1868-53-7	
Toluene-d8 (S)	98	%.	83-111		1		07/02/20 07:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Reed Manufacturing
Pace Project No.: 50261151

Sample: MW-7 **Lab ID: 50261151009** Collected: 06/30/20 11:56 Received: 06/30/20 13:32 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								
Acetone	ND	ug/L	20.0	3.4	1		07/02/20 07:37	67-64-1	
Acrolein	ND	ug/L	20.0	5.9	1		07/02/20 07:37	107-02-8	
Acrylonitrile	ND	ug/L	100	0.41	1		07/02/20 07:37	107-13-1	
Benzene	ND	ug/L	1.0	0.15	1		07/02/20 07:37	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.060	1		07/02/20 07:37	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		07/02/20 07:37	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		07/02/20 07:37	75-27-4	
Bromoform	ND	ug/L	1.0	0.14	1		07/02/20 07:37	75-25-2	
Bromomethane	ND	ug/L	5.0	0.35	1		07/02/20 07:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1.3	1		07/02/20 07:37	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.20	1		07/02/20 07:37	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.080	1		07/02/20 07:37	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.14	1		07/02/20 07:37	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.30	1		07/02/20 07:37	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.17	1		07/02/20 07:37	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.16	1		07/02/20 07:37	108-90-7	
Chloroethane	ND	ug/L	2.0	0.42	1		07/02/20 07:37	75-00-3	
Chloroform	ND	ug/L	1.0	0.090	1		07/02/20 07:37	67-66-3	
Chloromethane	ND	ug/L	2.0	0.37	1		07/02/20 07:37	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.11	1		07/02/20 07:37	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.19	1		07/02/20 07:37	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	0.12	1		07/02/20 07:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.19	1		07/02/20 07:37	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/02/20 07:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.070	1		07/02/20 07:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.10	1		07/02/20 07:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.15	1		07/02/20 07:37	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	0.40	1		07/02/20 07:37	110-57-6	
Dichlorodifluoromethane	ND	ug/L	2.0	0.39	1		07/02/20 07:37	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.12	1		07/02/20 07:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.13	1		07/02/20 07:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.31	1		07/02/20 07:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.23	1		07/02/20 07:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.26	1		07/02/20 07:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.24	1		07/02/20 07:37	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.14	1		07/02/20 07:37	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.28	1		07/02/20 07:37	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.17	1		07/02/20 07:37	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/02/20 07:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.17	1		07/02/20 07:37	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.13	1		07/02/20 07:37	100-41-4	
Ethyl methacrylate	ND	ug/L	20.0	0.10	1		07/02/20 07:37	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.24	1		07/02/20 07:37	87-68-3	
n-Hexane	ND	ug/L	5.0	0.18	1		07/02/20 07:37	110-54-3	
2-Hexanone	ND	ug/L	20.0	0.42	1		07/02/20 07:37	591-78-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Reed Manufacturing
Pace Project No.: 50261151

Sample: MW-7 **Lab ID: 50261151009** Collected: 06/30/20 11:56 Received: 06/30/20 13:32 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	0.51	1		07/02/20 07:37	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.12	1		07/02/20 07:37	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.11	1		07/02/20 07:37	99-87-6	
Methylene Chloride	ND	ug/L	5.0	0.49	1		07/02/20 07:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	0.48	1		07/02/20 07:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	0.090	1		07/02/20 07:37	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.11	1		07/02/20 07:37	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.12	1		07/02/20 07:37	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		07/02/20 07:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.11	1		07/02/20 07:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.16	1		07/02/20 07:37	79-34-5	
Tetrachloroethene	**36.9**	ug/L	1.0	0.35	1		07/02/20 07:37	127-18-4	
Toluene	ND	ug/L	1.0	0.20	1		07/02/20 07:37	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.15	1		07/02/20 07:37	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.17	1		07/02/20 07:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.18	1		07/02/20 07:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.23	1		07/02/20 07:37	79-00-5	
Trichloroethene	**46.7**	ug/L	1.0	0.21	1		07/02/20 07:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.21	1		07/02/20 07:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.37	1		07/02/20 07:37	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	0.13	1		07/02/20 07:37	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	0.16	1		07/02/20 07:37	108-67-8	
Vinyl acetate	ND	ug/L	20.0	2.0	1		07/02/20 07:37	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.32	1		07/02/20 07:37	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.24	1		07/02/20 07:37	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%.	85-116		1		07/02/20 07:37	460-00-4	
Dibromofluoromethane (S)	100	%.	75-120		1		07/02/20 07:37	1868-53-7	
Toluene-d8 (S)	96	%.	83-111		1		07/02/20 07:37	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Reed Manufacturing
Pace Project No.: 50261151

Sample: Equipment Blank **Lab ID: 50261151010** Collected: 06/29/20 08:58 Received: 06/30/20 13:32 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								
Acetone	ND	ug/L	20.0	3.4	1		07/02/20 08:10	67-64-1	
Acrolein	ND	ug/L	20.0	5.9	1		07/02/20 08:10	107-02-8	
Acrylonitrile	ND	ug/L	100	0.41	1		07/02/20 08:10	107-13-1	
Benzene	ND	ug/L	1.0	0.15	1		07/02/20 08:10	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.060	1		07/02/20 08:10	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		07/02/20 08:10	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.11	1		07/02/20 08:10	75-27-4	
Bromoform	ND	ug/L	1.0	0.14	1		07/02/20 08:10	75-25-2	
Bromomethane	ND	ug/L	5.0	0.35	1		07/02/20 08:10	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1.3	1		07/02/20 08:10	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.20	1		07/02/20 08:10	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.080	1		07/02/20 08:10	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.14	1		07/02/20 08:10	98-06-6	
Carbon disulfide	ND	ug/L	5.0	0.30	1		07/02/20 08:10	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.17	1		07/02/20 08:10	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.16	1		07/02/20 08:10	108-90-7	
Chloroethane	ND	ug/L	2.0	0.42	1		07/02/20 08:10	75-00-3	
Chloroform	ND	ug/L	1.0	0.090	1		07/02/20 08:10	67-66-3	
Chloromethane	ND	ug/L	2.0	0.37	1		07/02/20 08:10	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.11	1		07/02/20 08:10	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.19	1		07/02/20 08:10	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	0.12	1		07/02/20 08:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.19	1		07/02/20 08:10	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/02/20 08:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.070	1		07/02/20 08:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.10	1		07/02/20 08:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.15	1		07/02/20 08:10	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	0.40	1		07/02/20 08:10	110-57-6	
Dichlorodifluoromethane	ND	ug/L	2.0	0.39	1		07/02/20 08:10	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.12	1		07/02/20 08:10	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.13	1		07/02/20 08:10	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.31	1		07/02/20 08:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.23	1		07/02/20 08:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.26	1		07/02/20 08:10	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.24	1		07/02/20 08:10	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.14	1		07/02/20 08:10	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.28	1		07/02/20 08:10	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.17	1		07/02/20 08:10	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/02/20 08:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.17	1		07/02/20 08:10	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.13	1		07/02/20 08:10	100-41-4	
Ethyl methacrylate	ND	ug/L	20.0	0.10	1		07/02/20 08:10	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.24	1		07/02/20 08:10	87-68-3	
n-Hexane	ND	ug/L	5.0	0.18	1		07/02/20 08:10	110-54-3	
2-Hexanone	ND	ug/L	20.0	0.42	1		07/02/20 08:10	591-78-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Reed Manufacturing
Pace Project No.: 50261151

Sample: Equipment Blank **Lab ID: 50261151010** Collected: 06/29/20 08:58 Received: 06/30/20 13:32 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	0.51	1		07/02/20 08:10	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.12	1		07/02/20 08:10	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.11	1		07/02/20 08:10	99-87-6	
Methylene Chloride	ND	ug/L	5.0	0.49	1		07/02/20 08:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	0.48	1		07/02/20 08:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	0.090	1		07/02/20 08:10	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.11	1		07/02/20 08:10	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.12	1		07/02/20 08:10	103-65-1	
Styrene	ND	ug/L	1.0	0.080	1		07/02/20 08:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.11	1		07/02/20 08:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.16	1		07/02/20 08:10	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.35	1		07/02/20 08:10	127-18-4	
Toluene	ND	ug/L	1.0	0.20	1		07/02/20 08:10	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.15	1		07/02/20 08:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.17	1		07/02/20 08:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.18	1		07/02/20 08:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.23	1		07/02/20 08:10	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.21	1		07/02/20 08:10	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.21	1		07/02/20 08:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.37	1		07/02/20 08:10	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	0.13	1		07/02/20 08:10	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	0.16	1		07/02/20 08:10	108-67-8	
Vinyl acetate	ND	ug/L	20.0	2.0	1		07/02/20 08:10	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.32	1		07/02/20 08:10	75-01-4	
Xylene (Total)	ND	ug/L	3.0	0.24	1		07/02/20 08:10	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%.	85-116		1		07/02/20 08:10	460-00-4	
Dibromofluoromethane (S)	98	%.	75-120		1		07/02/20 08:10	1868-53-7	
Toluene-d8 (S)	95	%.	83-111		1		07/02/20 08:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Reed Manufacturing
Pace Project No.: 50261151

QC Batch: 570227
QC Batch Method: EPA 5030B/8260
Analysis Method: EPA 5030B/8260
Analysis Description: 8260 MSV Low Level
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50261151001, 50261151002, 50261151003, 50261151004, 50261151005, 50261151006, 50261151007, 50261151008, 50261151009, 50261151010

METHOD BLANK: 2630654 Matrix: Water
Associated Lab Samples: 50261151001, 50261151002, 50261151003, 50261151004, 50261151005, 50261151006, 50261151007, 50261151008, 50261151009, 50261151010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.11	07/02/20 00:59	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.18	07/02/20 00:59	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.16	07/02/20 00:59	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.23	07/02/20 00:59	
1,1-Dichloroethane	ug/L	ND	1.0	0.12	07/02/20 00:59	
1,1-Dichloroethene	ug/L	ND	1.0	0.31	07/02/20 00:59	
1,1-Dichloropropene	ug/L	ND	1.0	0.17	07/02/20 00:59	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.15	07/02/20 00:59	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.37	07/02/20 00:59	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.17	07/02/20 00:59	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	0.13	07/02/20 00:59	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.19	07/02/20 00:59	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.070	07/02/20 00:59	
1,2-Dichloroethane	ug/L	ND	1.0	0.13	07/02/20 00:59	
1,2-Dichloropropane	ug/L	ND	1.0	0.24	07/02/20 00:59	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	0.16	07/02/20 00:59	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.10	07/02/20 00:59	
1,3-Dichloropropane	ug/L	ND	1.0	0.14	07/02/20 00:59	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.15	07/02/20 00:59	
2,2-Dichloropropane	ug/L	ND	1.0	0.28	07/02/20 00:59	
2-Butanone (MEK)	ug/L	ND	20.0	1.3	07/02/20 00:59	
2-Chlorotoluene	ug/L	ND	1.0	0.11	07/02/20 00:59	
2-Hexanone	ug/L	ND	20.0	0.42	07/02/20 00:59	
4-Chlorotoluene	ug/L	ND	1.0	0.19	07/02/20 00:59	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20.0	0.48	07/02/20 00:59	
Acetone	ug/L	ND	20.0	3.4	07/02/20 00:59	
Acrolein	ug/L	ND	20.0	5.9	07/02/20 00:59	
Acrylonitrile	ug/L	ND	100	0.41	07/02/20 00:59	
Benzene	ug/L	ND	1.0	0.15	07/02/20 00:59	
Bromobenzene	ug/L	ND	1.0	0.060	07/02/20 00:59	
Bromochloromethane	ug/L	ND	1.0	0.22	07/02/20 00:59	
Bromodichloromethane	ug/L	ND	1.0	0.11	07/02/20 00:59	
Bromoform	ug/L	ND	1.0	0.14	07/02/20 00:59	
Bromomethane	ug/L	ND	5.0	0.35	07/02/20 00:59	
Carbon disulfide	ug/L	ND	5.0	0.30	07/02/20 00:59	
Carbon tetrachloride	ug/L	ND	1.0	0.17	07/02/20 00:59	
Chlorobenzene	ug/L	ND	1.0	0.16	07/02/20 00:59	
Chloroethane	ug/L	ND	2.0	0.42	07/02/20 00:59	
Chloroform	ug/L	ND	1.0	0.090	07/02/20 00:59	

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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Reed Manufacturing
Pace Project No.: 50261151

METHOD BLANK: 2630654 Matrix: Water

Associated Lab Samples: 50261151001, 50261151002, 50261151003, 50261151004, 50261151005, 50261151006, 50261151007, 50261151008, 50261151009, 50261151010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloromethane	ug/L	ND	2.0	0.37	07/02/20 00:59	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.23	07/02/20 00:59	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.13	07/02/20 00:59	
Dibromochloromethane	ug/L	ND	1.0	0.12	07/02/20 00:59	
Dibromomethane	ug/L	ND	1.0	0.21	07/02/20 00:59	
Dichlorodifluoromethane	ug/L	ND	2.0	0.39	07/02/20 00:59	
Ethyl methacrylate	ug/L	ND	20.0	0.10	07/02/20 00:59	
Ethylbenzene	ug/L	ND	1.0	0.13	07/02/20 00:59	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	0.24	07/02/20 00:59	
Iodomethane	ug/L	ND	5.0	0.51	07/02/20 00:59	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	0.12	07/02/20 00:59	
Methyl-tert-butyl ether	ug/L	ND	4.0	0.090	07/02/20 00:59	
Methylene Chloride	ug/L	ND	5.0	0.49	07/02/20 00:59	
n-Butylbenzene	ug/L	ND	1.0	0.20	07/02/20 00:59	
n-Hexane	ug/L	ND	5.0	0.18	07/02/20 00:59	
n-Propylbenzene	ug/L	ND	1.0	0.12	07/02/20 00:59	
Naphthalene	ug/L	ND	1.0	0.11	07/02/20 00:59	
p-Isopropyltoluene	ug/L	ND	1.0	0.11	07/02/20 00:59	
sec-Butylbenzene	ug/L	ND	1.0	0.080	07/02/20 00:59	
Styrene	ug/L	ND	1.0	0.080	07/02/20 00:59	
tert-Butylbenzene	ug/L	ND	1.0	0.14	07/02/20 00:59	
Tetrachloroethene	ug/L	ND	1.0	0.35	07/02/20 00:59	
Toluene	ug/L	ND	1.0	0.20	07/02/20 00:59	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.26	07/02/20 00:59	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.17	07/02/20 00:59	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	0.40	07/02/20 00:59	
Trichloroethene	ug/L	ND	1.0	0.21	07/02/20 00:59	
Trichlorofluoromethane	ug/L	ND	2.0	0.21	07/02/20 00:59	
Vinyl acetate	ug/L	ND	20.0	2.0	07/02/20 00:59	
Vinyl chloride	ug/L	ND	1.0	0.32	07/02/20 00:59	
Xylene (Total)	ug/L	ND	3.0	0.24	07/02/20 00:59	
4-Bromofluorobenzene (S)	%.	101	85-116		07/02/20 00:59	
Dibromofluoromethane (S)	%.	99	75-120		07/02/20 00:59	
Toluene-d8 (S)	%.	98	83-111		07/02/20 00:59	

LABORATORY CONTROL SAMPLE: 2630655

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	49.9	100	78-120	
1,1,1-Trichloroethane	ug/L	50	55.9	112	78-130	
1,1,2,2-Tetrachloroethane	ug/L	50	45.7	91	64-126	
1,1,2-Trichloroethane	ug/L	50	46.1	92	73-125	
1,1-Dichloroethane	ug/L	50	52.5	105	77-123	

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

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Reed Manufacturing
Pace Project No.: 50261151

LABORATORY CONTROL SAMPLE: 2630655

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	50	56.7	113	79-128	
1,1-Dichloropropene	ug/L	50	52.4	105	78-120	
1,2,3-Trichlorobenzene	ug/L	50	48.3	97	75-126	
1,2,3-Trichloropropane	ug/L	50	48.8	98	71-131	
1,2,4-Trichlorobenzene	ug/L	50	49.1	98	76-130	
1,2,4-Trimethylbenzene	ug/L	50	49.5	99	76-119	
1,2-Dibromoethane (EDB)	ug/L	50	47.9	96	76-122	
1,2-Dichlorobenzene	ug/L	50	46.9	94	79-113	
1,2-Dichloroethane	ug/L	50	48.1	96	66-127	
1,2-Dichloropropane	ug/L	50	52.1	104	75-127	
1,3,5-Trimethylbenzene	ug/L	50	48.8	98	78-116	
1,3-Dichlorobenzene	ug/L	50	47.5	95	79-120	
1,3-Dichloropropane	ug/L	50	46.6	93	81-121	
1,4-Dichlorobenzene	ug/L	50	45.3	91	77-117	
2,2-Dichloropropane	ug/L	50	42.0	84	56-134	
2-Butanone (MEK)	ug/L	250	256	102	61-138	
2-Chlorotoluene	ug/L	50	48.0	96	73-125	
2-Hexanone	ug/L	250	220	88	58-138	
4-Chlorotoluene	ug/L	50	47.4	95	75-118	
4-Methyl-2-pentanone (MIBK)	ug/L	250	223	89	60-131	
Acetone	ug/L	250	263	105	57-126	
Acrolein	ug/L	1000	812	81	56-120	
Acrylonitrile	ug/L	200	189	95	65-127	
Benzene	ug/L	50	49.2	98	75-118	
Bromobenzene	ug/L	50	49.2	98	68-127	
Bromochloromethane	ug/L	50	55.1	110	66-126	
Bromodichloromethane	ug/L	50	50.5	101	75-120	
Bromoform	ug/L	50	43.0	86	61-119	
Bromomethane	ug/L	50	47.5	95	12-184	
Carbon disulfide	ug/L	50	54.4	109	71-123	
Carbon tetrachloride	ug/L	50	49.1	98	73-125	
Chlorobenzene	ug/L	50	48.4	97	80-115	
Chloroethane	ug/L	50	58.0	116	46-133	
Chloroform	ug/L	50	50.4	101	75-117	
Chloromethane	ug/L	50	57.0	114	33-124	
cis-1,2-Dichloroethene	ug/L	50	51.8	104	76-120	
cis-1,3-Dichloropropene	ug/L	50	48.0	96	73-130	
Dibromochloromethane	ug/L	50	49.5	99	69-124	
Dibromomethane	ug/L	50	50.3	101	76-124	
Dichlorodifluoromethane	ug/L	50	60.2	120	36-145	
Ethyl methacrylate	ug/L	200	202	101	67-140	
Ethylbenzene	ug/L	50	49.5	99	78-120	
Hexachloro-1,3-butadiene	ug/L	50	54.3	109	79-137	
Iodomethane	ug/L	100	179	179	10-184	
Isopropylbenzene (Cumene)	ug/L	50	50.9	102	82-122	
Methyl-tert-butyl ether	ug/L	50	50.8	102	79-125	
Methylene Chloride	ug/L	50	53.3	107	68-126	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Reed Manufacturing
Pace Project No.: 50261151

LABORATORY CONTROL SAMPLE: 2630655

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
n-Butylbenzene	ug/L	50	50.9	102	73-123	
n-Hexane	ug/L	50	58.6	117	71-143	
n-Propylbenzene	ug/L	50	48.4	97	75-119	
Naphthalene	ug/L	50	47.6	95	70-130	
p-Isopropyltoluene	ug/L	50	51.1	102	82-119	
sec-Butylbenzene	ug/L	50	50.5	101	79-119	
Styrene	ug/L	50	50.3	101	80-121	
tert-Butylbenzene	ug/L	50	38.1	76	58-106	
Tetrachloroethene	ug/L	50	48.0	96	70-123	
Toluene	ug/L	50	47.2	94	72-114	
trans-1,2-Dichloroethene	ug/L	50	55.4	111	79-126	
trans-1,3-Dichloropropene	ug/L	50	45.3	91	68-122	
trans-1,4-Dichloro-2-butene	ug/L	200	192	96	34-130	
Trichloroethene	ug/L	50	50.0	100	78-120	
Trichlorofluoromethane	ug/L	50	57.2	114	57-156	
Vinyl acetate	ug/L	200	180	90	50-116	
Vinyl chloride	ug/L	50	57.0	114	55-122	
Xylene (Total)	ug/L	150	150	100	81-118	
4-Bromofluorobenzene (S)	%.			104	85-116	
Dibromofluoromethane (S)	%.			104	75-120	
Toluene-d8 (S)	%.			96	83-111	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2630656 2630657

Parameter	Units	50261151006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	55.0	54.8	110	110	51-135	0	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	62.8	62.7	126	125	56-144	0	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	48.0	49.6	96	99	47-137	3	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	50.5	52.0	101	104	55-136	3	20	
1,1-Dichloroethane	ug/L	ND	50	50	58.5	59.7	117	119	53-140	2	20	
1,1-Dichloroethene	ug/L	ND	50	50	62.6	64.1	125	128	60-140	2	20	
1,1-Dichloropropene	ug/L	ND	50	50	56.9	56.9	114	114	54-136	0	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	48.4	53.9	97	108	35-140	11	20	
1,2,3-Trichloropropane	ug/L	ND	50	50	51.1	52.3	102	105	54-142	2	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	48.2	52.7	96	105	31-143	9	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	51.2	53.1	102	106	13-152	4	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	51.8	52.4	104	105	56-136	1	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	48.5	50.8	97	102	38-133	5	20	
1,2-Dichloroethane	ug/L	ND	50	50	53.0	52.1	106	104	46-145	2	20	
1,2-Dichloropropane	ug/L	ND	50	50	57.1	56.5	114	113	55-141	1	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	51.8	53.5	104	107	23-145	3	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	49.4	51.8	99	104	31-144	5	20	
1,3-Dichloropropane	ug/L	ND	50	50	51.6	53.0	103	106	60-139	3	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	47.0	48.7	94	97	31-138	4	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Reed Manufacturing
Pace Project No.: 50261151

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2630656 2630657

Parameter	Units	50261151006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,2-Dichloropropane	ug/L	ND	50	50	41.0	40.1	82	80	34-137	2	20	
2-Butanone (MEK)	ug/L	ND	250	250	258	260	103	104	42-150	1	20	
2-Chlorotoluene	ug/L	ND	50	50	50.7	52.6	101	105	28-148	4	20	
2-Hexanone	ug/L	ND	250	250	233	235	93	94	43-146	1	20	
4-Chlorotoluene	ug/L	ND	50	50	50.2	51.6	100	103	25-145	3	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	238	237	95	95	42-142	0	20	
Acetone	ug/L	ND	250	250	277	284	111	114	36-142	3	20	
Acrolein	ug/L	ND	1000	1000	773	813	77	81	28-122	5	20	
Acrylonitrile	ug/L	ND	200	200	185	188	93	94	48-137	1	20	
Benzene	ug/L	ND	50	50	53.6	54.2	107	108	49-135	1	20	
Bromobenzene	ug/L	ND	50	50	53.8	53.5	108	107	37-144	0	20	
Bromochloromethane	ug/L	ND	50	50	62.0	60.5	124	121	47-140	2	20	
Bromodichloromethane	ug/L	ND	50	50	55.5	55.3	111	111	55-133	0	20	
Bromoform	ug/L	ND	50	50	45.5	46.6	91	93	45-125	2	20	
Bromomethane	ug/L	ND	50	50	62.2	63.8	124	128	10-191	2	20	
Carbon disulfide	ug/L	ND	50	50	57.9	57.7	116	115	49-136	0	20	
Carbon tetrachloride	ug/L	ND	50	50	55.3	56.2	111	112	55-134	2	20	
Chlorobenzene	ug/L	ND	50	50	52.9	52.9	106	106	42-135	0	20	
Chloroethane	ug/L	ND	50	50	66.8	67.7	134	135	25-154	1	20	
Chloroform	ug/L	ND	50	50	56.0	55.8	112	112	57-130	0	20	
Chloromethane	ug/L	ND	50	50	66.6	63.4	133	127	17-129	5	20	M1
cis-1,2-Dichloroethene	ug/L	ND	50	50	57.6	57.6	114	114	53-134	0	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	51.0	50.7	102	101	50-136	1	20	
Dibromochloromethane	ug/L	ND	50	50	53.2	52.7	106	105	53-133	1	20	
Dibromomethane	ug/L	ND	50	50	54.1	53.6	108	107	57-139	1	20	
Dichlorodifluoromethane	ug/L	ND	50	50	67.4	67.5	135	135	21-154	0	20	
Ethyl methacrylate	ug/L	ND	200	200	214	217	107	108	56-148	1	20	
Ethylbenzene	ug/L	ND	50	50	54.0	54.8	108	110	28-147	1	20	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	55.7	58.9	111	118	10-168	6	20	
Iodomethane	ug/L	ND	100	100	171	217	171	217	10-186	24	20	M1,R1
Isopropylbenzene (Cumene)	ug/L	ND	50	50	56.6	57.0	113	114	27-151	1	20	
Methyl-tert-butyl ether	ug/L	ND	50	50	53.8	54.1	108	108	60-142	1	20	
Methylene Chloride	ug/L	ND	50	50	57.1	55.6	114	111	46-138	3	20	
n-Butylbenzene	ug/L	ND	50	50	52.8	54.1	106	108	10-153	3	20	
n-Hexane	ug/L	ND	50	50	64.6	58.8	129	118	46-155	9	20	
n-Propylbenzene	ug/L	ND	50	50	51.5	53.7	103	107	20-149	4	20	
Naphthalene	ug/L	ND	50	50	47.9	52.6	96	105	41-139	9	20	
p-Isopropyltoluene	ug/L	ND	50	50	53.1	54.8	106	110	15-155	3	20	
sec-Butylbenzene	ug/L	ND	50	50	53.0	55.0	106	110	17-153	4	20	
Styrene	ug/L	ND	50	50	53.8	53.9	108	108	42-139	0	20	
tert-Butylbenzene	ug/L	ND	50	50	40.7	42.8	81	86	18-123	5	20	
Tetrachloroethene	ug/L	122	50	50	174	174	104	104	32-140	0	20	
Toluene	ug/L	ND	50	50	52.0	53.0	104	106	42-131	2	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	58.9	59.7	118	119	57-138	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Reed Manufacturing
Pace Project No.: 50261151

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2630656 2630657

Parameter	Units	50261151006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
trans-1,3-Dichloropropene	ug/L	ND	50	50	48.1	48.2	96	96	47-128	0	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	196	197	98	99	10-135	1	20	
Trichlorofluoromethane	ug/L	ND	50	50	64.4	66.3	129	133	42-163	3	20	
Vinyl acetate	ug/L	ND	200	200	125	122	63	61	10-114	3	20	
Vinyl chloride	ug/L	ND	50	50	64.0	64.3	128	129	36-136	1	20	
Xylene (Total)	ug/L	ND	150	150	165	167	110	111	30-145	1	20	
4-Bromofluorobenzene (S)	%.						106	103	85-116			
Dibromofluoromethane (S)	%.						103	102	75-120			
Toluene-d8 (S)	%.						96	96	83-111			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Reed Manufacturing
Pace Project No.: 50261151

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

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Reed Manufacturing
Pace Project No.: 50261151

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50261151001	**Trip Blank**	EPA 5030B/8260	570227		
50261151002	**Dup-01**	EPA 5030B/8260	570227		
50261151003	**MW-11**	EPA 5030B/8260	570227		
50261151004	**MW-30**	EPA 5030B/8260	570227		
50261151005	**MW-31**	EPA 5030B/8260	570227		
50261151006	**MW-23**	EPA 5030B/8260	570227		
50261151007	**MW-3**	EPA 5030B/8260	570227		
50261151008	**MW-5**	EPA 5030B/8260	570227		
50261151009	**MW-7**	EPA 5030B/8260	570227		
50261151010	**Equipment Blank**	EPA 5030B/8260	570227		

WO# : 50261151

50261151

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page : 1 Of 1

Section A — Required Client Information:

Company: Ramboll Environ	Report To: Chuck Goodwin	Attention:	
Address: One Indiana Square	Copy To:	Company Name:	Regulatory Agency
Indianapolis, IN 46204		Address:	
Email: cgoodwin@ramboll.com	Purchase Order #:	Pace Quote:	
Phone: (317)695-8698 Fax:	Project Name: Reed Manufacturing	Pace Project Manager: mick.mayse@pacelabs.com,	State / Location
Requested Due Date: STD	Project #:	Pace Profile #: 2753 / 19	IN

Section C — Invoice Information:

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test: Y/N	VOC by 8260	VOC by 8260 (Full List)	Residual Chlorine (Y/N)	
1	Trip Blank	GW	GW	6/29/20	—				3				Y					Y	Y			001
2	Dup-01			6/30/20	—								N					Y	Y			002
3	MW-11			6/29/20	1039				3				N					Y	Y			003
4	MW-30			6/29/20	1146				3				N					Y	N			004
5	MW-31			6/29/20	1258				3				Y					Y	N			005
6	MW-23			6/29/20	1405				6				N					Y	N			006
7	MW-3			6/30/20	0913				3				N					Y	N			007
8	MW-5			6/30/20	1044				3				Y					Y	N			008
9	MW-7			6/30/20	1154				3				N					Y	N			009
10	Equipment Blank MM 6/29/20								3				x					x				010
11																						
12		GW	GW																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
- IVI II reporting	Amanda Dyer/Ramboll	6/30/2020	1332	PACE	6/30/20	1332	3.9	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Amanda Dyer

SIGNATURE of SAMPLER: Amanda Dyer DATE Signed: 6/29/2020

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Pace Analytical

SAMPLE CONDITION UPON RECEIPT FORM

Project #: 50261151

Date/Time and Initials of person examining contents: JH 6-30 1344

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace ☐ Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No **Seals Intact:** ☐ Yes ☒ No

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer: 1 2 3 4 5 6 A B C (D) E F Ice Type: ☒ Wet ☐ Blue ☐ None | Samples collected today and on ice: ☒ Yes ☐ No ☐ N/A

Cooler Temperature: 4.1/3.9 Ice Visible in Sample Containers?: ☐ Yes ☒ No ☐ N/A

(Initial/Corrected) Temp should be above freezing to 6°C If temp. is Over 6°C or under 0°C, was the PM Notified?: ☐ Yes ☐ No ☒ N/A

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

	Yes	No		Yes	No	N/A
Are samples from West Virginia? Document any containers out of temp.		X	All containers needing acid/base pres. Have been checked?: **exceptions: VOA, coliform, LLHg, O&G, and any container with a septum cap or preserved with HCl.** All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted. Circle: HNO3 H2SO4 NaOH NaOH/ZnAc			X
USDA Regulated Soils? (ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		X				
Chain of Custody Present:	X		Dissolved Metals field filtered?:			X
Chain of Custody Filled Out:	X					
Short Hold Time Analysis (<72hr)?: Analysis:		X	Headspace Wisconsin Sulfide			X
Time 5035A TC placed in Freezer or Short Holds To Lab:				Present	Absent	N/A
			Residual Chlorine Check (SVOC 625 Pest/PCB 608)			X
			Residual Chlorine Check (Total/Amenable/Free Cyanide)			X
Rush TAT Requested:		X	Headspace in VOA Vials (>6mm):		X	X
Containers Intact?:	X		Trip Blank Present?:	X	X	
Sample Labels (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	X		Trip Blank Custody Seals?:	X	X	
Extra labels on Terracore Vials (soils only)?		X			JH 6-30	

Comments:

COC PAGE ____ of ____

Sample Container Count

Sample Line Item	WGFU	SBS DI BK Kit R	DG9H VG9H	VOA VIALS (>6mm)	VG9U	DG9U	DG9T	AG0U	AG1H	AG1U	AG3S	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H					Matrix	pH <2	pH >9	pH>12
1																													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

Container Codes

Glass

DG9B	40mL Na Bisulfate amber vial	AG0U	100mL unpres amber glass
DG9H	40mL HCl amber voa vial	AG1H	1L HCl amber glass
DG9M	40mL MeOH clear vial	AG1S	1L H2SO4 amber glass
DG9P	40mL TSP amber vial	AG1T	1L Na Thiosulfate amber glass
DG9S	40mL H2SO4 amber vial	AG1U	1liter unpres amber glass
DG9T	40mL Na Thio amber vial	AG2N	500mL HNO3 amber glass
DG9U	40mL unpreserved **amber** vial	AG2S	500mL H2SO4 amber glass
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass
VG9T	40mL Na Thio. clear vial	AG3S	250mL H2SO4 amber glass
VG9U	40mL unpreserved **clear** vial	AG3U	250mL unpres amber glass
VGFX	40mL w/hexane wipe vial	BG1H	1L HCl clear glass
VSG	Headspace septa vial & HCl	BG1S	1L H2SO4 clear glass
WGKU	8oz unpreserved clear jar	BG1T	1L Na Thiosulfate clear glass
WGFU	4oz clear soil jar	BG1U	1L unpreserved glass
JGFU	4oz unpreserved amber wide	BG3H	250mL HCl Clear Glass
CG3H	250mL clear glass HCl	BG3U	250mL Unpres Clear Glass

Plastic / Misc.

BP1A	1L NaOH, Asc Acid plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn, Ac
BP2A	500mL NaOH, Asc Acid plastic
BP2N	500mL HNO3 plastic
BP2O	500mL NaOH plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Ac
BP3B	250mL NaOH plastic
BP3N	250mL HNO3 plastic
BP3F	250mL HNO3 plastic (field filtered)
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, Zn Ac plastic

AF	Air Filter
C	Air Cassettes
R	Terra core kit
SP5T	120mL Coliform Na Thiosulfate
U	Summa Can
ZPLC	Ziploc Bag

WT	Water
SL	Solid
NAL	Non-aqueous liquid
WP	Wipe