REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

January 6, 2022

Wisconsin Department of Natural Resources
Attn: Ms. Josie Schultz
2984 Shawano Ave.
Green Bay, WI 54313

Subject:

Former V&L Stripping – Remediation Documentation and Update
864 Mather Street
Green Bay, WI 54303
BRRTS #02-05-216722

Dear Josie:

This letter will summarize additional soil, groundwater, and vapor sampling at the V&L Stripping site. The site location is shown on Figure 1. The site layout and monitoring well network is shown on Figure 2.

Additional Soil Sampling

REI was on site October 26, 2021 to install confirmation geoprobe soil borings. Borings CGP1-CGP5 were installed in areas of highest soil contamination previously identified by Northern Environmental in 2002 and 2003. Additional soil sampling was conducted to verify the effectiveness of CAP 18 injection and the progress of natural attenuation at the site. One (1) soil sample from each boring with the highest field screening was laboratory analyzed for VOCs.

- Geoprobe boring CGP1 was installed near the northeast corner of the building. The sample from 4-6' field screened at 106 Instrument Units (I.U.s) and contained 190,000 ug/kg Tetrachloroethylene (PCE) and 373 ug/kg Trichloroethylene (TCE). By comparison, Northern Environmental sample B1900 contained 25,900 PCE.
- Geoprobe boring CGP2 was installed near the southeast corner of the building, outside the overhead door and contained 148 ug/kg PCE at 4-6'. TCE was non-detect. The previous sample (Northern Environmental B700, 2-4') contained 2,040 ug/kg PCE.
- Geoprobe boring CGP3 was installed south of the center of the building near previous borings B100 which contained 29 ug/kg PCE at 2.5-4.5'. Sample CGP3, 4-6' was non-detect for PCE and TCE.
- Geoprobe boring CGP4 was installed inside the east side of the building near the highest levels of soil contamination identified at the site. Northern Environmental sample B1400, 0-2' contained 124,000 ug/kg PCE. REI sample CGP4, 2-4' was 536 ug/kg for PCE. TCE was non-detect.
- Geoprobe boring CGP5 was installed near the southeast corner of the building in the area of 2002 sample B500, 2-4'. The 2002 sample was 13,300 ug/kg for PCE. Sample CGP5, 2-4' was non-detect for PCE and TCE.

Soil types were consistent with the previous investigative activities consisting entirely of fine grained sand with overlying layers of silty sand. Boring logs and abandonment forms are included in Attachment A.

Confirmation geoprobe locations are shown on Figure 2. The estimated area of residual soil contamination is shown on Figure 3. Historical soil sampling results are summarized on Table 1a, with confirmation sampling results on Table 1b. The complete analytical report is in Attachment B.

Additional Groundwater Sampling

The monitoring well network was sampled on August 31 and November 17, 2021 via low-flow techniques using a peristaltic pump through a flow cell. Continuous field measurements for temperature, conductivity, dissolved oxygen, pH and redox potential are collected and samples are captured once readings stabilize. Purge water was containerized in DOT approved drums and transported to the Wausau Waterworks wastewater treatment plant for disposal. Disposal documentation is included in Attachment C.

Groundwater flow has remained consistent to the west/southwest as shown on Figure 4 for the October 31, 2021 sampling event. Water level data for the November 17, 2021 event is not available due to equipment failure. Contaminant trends were similar across the network, with the progression showing continued decreases in Tetrachloroethylene (PCE) and Trichloroethylene (TCE) and increases in daughter products cis and trans-1,2 Dichloroethene (DCE) and vinyl chloride. Monitoring wells MW200, MW300, and MW1500 at the upgradient edge of the plume have decreased to non-detect or only slightly above the Enforcement Standard for PCE and TCE. A summary of groundwater data is included on Tables 2a-2r. The complete analytical reports are in Attachment B. The estimated extent of groundwater contamination for PCE, TCE, cis-1,2 DCE, trans-1,2 DCE, and vinyl chloride for each sampling event is depicted on Figures 5a-5d.

The water table has fluctuated approximately one (1) foot in the four (4) rounds since CAP 18 injection and may represent some of the variation in contaminant level. Although elevation data is not available for the November 17, 2021 event, it is anticipated that groundwater elevations were likely lower, based on a spike in concentrations. Historical groundwater elevations are summarized on Table 3. A graphical depiction of contaminant concentration vs. groundwater elevation and time and demonstrating the relationship between groundwater elevation and contaminant concentration for the affected monitoring wells is shown on Figures 6a-6g.

Additional Vapor Sampling

Three (3) sub-slab vapor ports were installed at the site on October 26, 2021. Vapor port VP1 was installed in the east (service bay), VP2 was installed in the center (office) area, and VP3 was installed in the west (storage) portion of the building. These locations are similar to the areas sampled for ambient air on September 3, 2020 (West, Center, East). The results of ambient air sampling are summarized on Table 4a. Vapor samples were collected from each port through a 30 minute flow controller using the methods and procedures described in Attachment D. Photographs are included in Attachment E.

The sub-slab depressurization system was shut down on August 31, 2021 to determine sub-slab vapor conditions without system operation. Samples were analyzed for chlorinated VOCs only. Samples VP1 and VP2 exceeded the small commercial Vapor Risk Screening Levels for PCE and TCE. Sample VP3 from the western portion of the building, and adjacent to the sub-slab depressurization system was below all VRSLs. The results are summarized on Table 4b. The vapor laboratory report is included in Attachment F. Based on the results, the vapor mitigation system was re-started.

Off-Site Vapor Sampling

Based on DNR review of the data, additional vapor sampling was requested from off-site properties located north and east of the site. REI submitted requests for access to 856 Mather Street and 714 Lincoln Street on August 26, and November 17, 2021. Neither property owner contacted REI to allow access. Copies of the requests are included in Attachment G.

Conclusion and Recommendations

The CAP 18 injection has been successful in enhancing reductive dechlorination at the site. Levels of PCE and TCE have shown a consistent decrease since the injection. Levels of daughter products cis and trans-1,2 DCE, and vinyl chloride have increased as a result, but have begun to stabilize.

Additional vapor and groundwater sampling will be conducted in February 2022. The February 2022 event will further confirm the relationship between groundwater elevation and contaminant concentration. This event will be the seventh round in 32 months following the CAP 18 injection and should be considered adequate to document a stable/decreasing plume. Additional vapor sampling will determine if the current vapor mitigation system is adequate to protect the occupants of the building from vapor risk. A vacuum gauge will also be installed on the system. An additional vapor event will likely be required in May 2022, after which closure submittal may be appropriate.

Thank you for your assistance with this project. Please contact me to discuss further at (715) 675-9784 or email me at Adelforge@REIengineering.com.

Sincerely,
REI Engineering, Inc.

Andrew R. Delforge, P.G.
Senior Hydrogeologist/Project Manager

CC: Ken Juza, 1478 Norfield Road, Suamico, WI 54173

Enclosures

TABLE 1a
INVESTIGATIVE VOC SOIL ANALYTICAL RESULTS
FORMER V&L STRIPPING
864 MATHER STREET
GREEN BAY, WI 54303

Date-->				***8/26/98***	***8/26/98***	***8/26/98***	***8/25/98***	***10/10/02***	***10/10/02***	***10/10/02***	***10/10/02***	***10/10/02***	***10/10/02***	***10/10/02***	***10/10/02***	***10/10/02***	***10/10/02***	***11/19/02***	***11/19/02***
Boring-->				***B100***	***B200***	***B300***	***B400***	***B500***	***B600***	***B700***	***B800***	***B900***	***B1000***	***B1100***	***B1200***	***B1300***	***B1400***	***B1500***	***B1600***	***B1800***
Sample Depth--(Feet)>				***2.5-4.5***	***2.5-4.5***	***2.5-4.5***	***2.5-4.5***	***2-4***	***2-4***	***0-2***	***02-***	***2-4***	***0-2***	***2-4***	***4-6***	***2-4***	***0-2***	***0-2***	***4-6***	***4-6***
Sampler -->				***Northern***	***Northern***	***Northern***	***Northern***	***Northern***	***Northern***	***Northern***	***Northern***	***Northern***	***Northern***	***Northern***	***Northern***	***Northern***	***Northern***	***Northern***	***Northern***	***Northern***
Chlorinated VOC's (ug/kg)	NR 605.08	NTEDC	GW																	
cis-1,2-Dichloroethylene	NS	156,000	41.2	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<20,800	<25	<5,000	<25
trans-1,2-Dichloroethylene	NS	1,560,000	58.8	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<20,800	<25	<5,000	<25
Tetrachloroethene	NS	30,700	4.50	**29**	**190**	<25	<25	**13,300**	**452**	**2,040**	**469**	**9,090**	**63**	**71**	**220**	<25	**124,000**	<25	**48,100**	<25
Trichloroethene	NS	1,260	3.6	<25	<25	<25	<25	<25	<25	<25	<25	**37.4**	<25	<25	<25	<25	<20,800	<25	<5,000	<25
Vinyl Chloride	NS	67	0.1	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<20,800	<25	<5,000	<25
TCLP Tetraclorothene (ug/L)	700	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Date-->				***11/19/02***	***11/19/02***	***11/19/02***	***11/19/02***	***11/19/02***	***3/21/03***	***3/21/03***	***3/21/03***	***3/21/03***	***3/21/03***	***3/21/03***	***3/21/03***	***3/21/03***	***3/21/03***	***3/21/03***
Boring-->				***B1900***	***B2000***	***B2100***	***B2200***	***B2300***	***B2400***	***B2500***	***B2600***	***B2700***	***B2800***	***B2900***	***B3000***	***B3100***	***B3300***	***B3400***	***B3500***
Sample Depth--(Feet)>				***4-6***	***2.5-4.5***	***2.5-4.5***	***0-2***	***0-2***	***2-4***	***0-2***	***2-4***	***4-6***	***0-2***	***4-6***	***0-2***	***4-6***	***2-4***	***2-4***	***2-4***
Sampler -->				***Northern***	***Northern***	***Northern***	***Northern***	***Northern***	***Northern***	***Northern***	***Northern***	***Northern***	***Northern***	***Northern***	***Northern***	***Northern***	***Northern***	***Northern***	***Northern***
Chlorinated VOC's (ug/kg)	NR 605.08	NTEDC	GW																
cis-1,2-Dichloroethylene	NS	156,000	41.2	<2,080	<25	<25	<25	<25	NA	<25	<25	NA	NA	NA	<25	<25	<25	<25	<25
trans-1,2-Dichloroethylene	NS	1,560,000	58.8	<2,080	<25	<25	<25	<25	NA	<25	<25	NA	NA	NA	<25	<25	<25	<25	<25
Tetrachloroethene	NS	30,700	4.50	**25,900**	<25	<25	**51.6**	**131**	NA	<25	<25	NA	NA	NA	**32.8**	<25	<25	<25	<25
Trichloroethene	NS	1,260	3.6	<2,080	<25	<25	<25	<25	NA	<25	<25	NA	NA	NA	<25	<25	<25	<25	<25
Vinyl Chloride	NS	67	0.1	<2,080	<25	<25	<25	<25	NA	<25	<25	NA	NA	NA	<25	<25	<25	<25	<25
TCLP Tetraclorothene (ug/L)	700	NS	NS	NA	NA	NA	NA	NA	322	NA	NA	19	*1,530*	*1,850*	NA	NA	NA	NA	NA

Notes:

NR 605.08 - TCLP Regulatory Limit
NTEDC - Not To Exceed Direct Contact Residual Contaminant Level (RCL)
GW - RCL Protective of Groundwater Quality
< - Concentration below listed laboratory detection limit
TCLP Exceedances are italic *Italic*
GW RCL exceedences are bold **Bold**
NTEDC RCL exceedances are outlined in bold **Bold**
NS - No Standard
NA - Not Analyzed
j - Estimated Value between detection limit and quantification limit

TABLE 1b
CONFIRMATION VOC SOIL ANALYTICAL RESULTS
FORMER V&L STRIPPING
864 MATHER STREET
GREEN BAY, WI 54303

		Date-->	***10/26/21***	***10/26/21***	***10/26/21***	***10/26/21***	***10/26/21***
		Boring-->	***CGP1***	***CGP2***	***CGP3***	***CGP4***	***CGP5***
		Sample Depth--(Feet)>	***4-6***	***4-6***	***4-6***	***2-4***	***2-4***
		Sampler -->	***REI***	***REI***	***REI***	***REI***	***REI***
VOC's (ug/kg)	NTEDC	GW					
Benzene	1,490	5.1	<63.3	<17.1	<14.2	<17.3	<13.2
Bromobenzene	354,000	NS	<104	<28.0	<23.2	<28.4	<21.7
Bromochloromethane	232,000	NS	<72.8	<19.7	<16.3	<19.9	<15.2
Bromodichloromethane	390	0.3	<63.3	<17.1	<14.2	<17.3	<13.2
Bromoform	61,500	2.3	<1170	<316	<262	<320	<244
Bromomethane	10,300	5.1	<373	<101	<83.4	<102	<77.8
n-Butylbenzene	108,000	NS	<122	<32.9	<27.2	<33.3	<25.4
sec-Butylbenzene	145,000	NS	<64.9	<17.5	<14.5	<17.8	<13.5
tert-Butylbenzene	183,000	NS	<83.5	<22.5	<18.7	<22.9	<17.4
Carbon Tetrachloride	854	3.9	<58.5	<15.8	<13.1	<16.0	<12.2
Chlorobenzene	392,000	NS	<31.8	<8.6	<7.1	<8.7	<6.7
Chloroethane	NS	226.6	<112	<30.3	<25.1	<30.7	<23.4
Chloroform	423	3.3	<190	<51.4	<42.6	<52.1	<39.8
Chloromethane	171,000	15.5	<101	<27.3	<22.6	<27.7	<21.1
2-Chlorotoluene	NS	NS	<86.1	<23.3	<19.3	<23.6	<18.0
4-Chlorotoluene	NS	NS	<101	<27.3	<22.6	<27.7	<21.1
1,2 Dibromo-3-chloropropane	8	0.2	<206	<55.7	<46.1	<56.5	<43.1
Dibromochloromethane	933	32	<909	<245	<203	<249	<190
1,2-Dibromoethane	47	0.0282	<72.8	<19.7	<16.3	<19.9	<15.2
Dibromomethane	35,000	NS	<78.7	<21.2	<17.6	<21.6	<16.4
1,2-Dichlorobenzene	376,000	1,168	<82.4	<22.2	<18.4	<22.6	<17.2
1,3-Dichlorobenzene	297,000	1,152.8	<72.8	<19.7	<16.3	<19.9	<15.2
1,4-Dichlorobenzene	3,480	144	<72.8	<19.7	<16.3	<19.9	<15.2
Dichlorodifluoromethane	135,000	3,086.3	<114	<30.9	<25.6	<31.3	<23.9
1,1-Dichloroethane	4,720	482.8	<68.1	<18.4	<15.2	<18.6	<14.2
1,2-Dichloroethane	608	2.8	<61.1	<16.5	<13.7	<16.7	<12.8
1,1-Dichloroethylene	342,000	5	<88.3	<23.8	<19.7	<24.2	<18.4
cis-1,2-Dichloroethylene	156,000	41.2	<56.9	<15.4	<12.7	<15.6	<11.9
trans-1,2-Dichloroethylene	1,560,000	58.8	<57.4	<15.5	<12.8	<15.7	<12.0
1,2-Dichloropropane	1,330	3.3	<63.3	<17.1	<14.2	<17.3	<13.2
1,3-Dichloropropane	1,490,000	NS	<58.0	<15.6	<13.0	<15.9	<12.1
2,2-Dichloropropane	527,000	NS	<71.8	<19.4	<16.1	<19.7	<15.0
1,1-Dichloropropylene	NS	NS	<86.1	<23.3	<19.3	<23.6	<18.0
cis-1,3-Dichloropropylene	1,220,000	NS	<175	<47.4	<39.2	<48.1	<36.6
trans-1,3-Dichloropropylene	1,570,000	NS	<760	<205	<170	<208	<159
(di)isopropyl ether	2,260,000	NS	<65.9	<17.8	<14.7	<18.1	<13.8
Ethylbenzene	7,470	1,570	<63.3	<17.1	<14.2	<17.3	<13.2
Hexachloro (1,3) butadiene	6,220	NS	<529	<143	<118	<145	<110
Isopropylbenzene	NS	NS	<71.8	<19.4	<16.1	<19.7	<15.0
p-Isopropyltoluene	162,000	NS	<80.8	<21.8	<18.1	<22.1	<16.9
Methylene Chloride	60,700	2.6	<73.9	<20.0	<16.5	<20.2	<15.4
Methly tert Butyl Ether	59,400	27	<78.2	<21.1	<17.5	<21.4	<16.3
Naphthalene	5,150	658.2	<82.9	<22.4	<18.6	<22.7	<17.3
n-Propylbenzene	NS	NS	<63.8	<17.2	<14.3	<17.5	<13.3
Styrene	867,000	220	<68.1	<18.4	<15.2	<18.6	<14.2
1,1,1,2-Tetrachloroethane	2,590	53.4	<63.8	<17.2	<14.3	<17.5	<13.3
1,1,2,2-Tetrachloroethane	753	0.2	<96.2	<26.0	<21.5	<26.4	<20.1
Tetrachloroethene	30,700	4.50	**198,000**	**148**	<23.1	**536**	<21.5
Toluene	818,000	1,107.2	<67.0	<18.1	<15.0	<18.3	<14.0
1,2,3-Trichlorobenzene	48,900	NS	<296	<79.9	<66.2	<81.1	<61.9
1,2,4-Trichlorobenzene	22,000	408	<219	<59.1	<49.0	<60.0	<45.8
1,1,1-Trichloroethane	640,000	140.2	<68.1	<18.4	<15.2	<18.6	<14.2
1,1,2-Trichloroethane	1,480	3.2	<96.8	<26.1	<21.6	<26.5	<20.2
Trichloroethene	1,260	3.6	**373**	<26.8	<22.2	<27.2	<20.8
Trichlorofluoromethane	1,120,000	4,475.8	<77.1	<20.8	<17.2	<21.1	<16.1
1,2,3-Trichloropropane	5	51.9	<129	<34.9	<28.9	<35.4	<27.0
1,2,4-Trimethylbenzene	89,800	1,382.1	<79.2	<21.4	<17.7	<21.7	<16.5
1,3,5-Trimethylbenzene	182,000		<85.6	<23.1	<19.1	<23.4	<17.9
Vinyl Chloride	67	0.1	<53.7	<14.5	<12.0	<14.7	<11.2
Xylenes (Total)	258,000	3,940	<199.8	<51.8	<32.9	<52.5	<40.1

Notes:

NTEDC - Not To Exceed Direct Contact Residual Contaminant Level (RCL)

GW - RCL Protective of Groundwater Quality

< - Concentration below listed laboratory detection limit

GW RCL exceedences are bold **Bold**

NTEDC RCL exceedances are outlined in bold **Bold**

NS - No Standard

j - Estimated Value between detection limit and quantification limit

TABLE 2a
MW100 GROUNDWATER ANALYTICAL RESULTS
FORMER V&L STRIPPING
864 MATHER STREET
GREEN BAY, WI 54303

			MW100															
PARAMETER	**ES**	**PAL**	***8/31/98***	***3/23/00***	***5/21/01***	***12/4/02***	***8/16/07***	***4/10/08***	***5/12/19***	***6/8/10***	***9/28/10***	***10/30/18***		***10/28/19***	***2/5/20***	***5/13/20***	***9/3/20***	***8/31/20***	***11/17/21***
Detected VOC's (ug/L)																			
Acetone	9	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	<864	<432
Benzene	5	0.5	<32	<10	<38	<77.5	<16	<20.5	<16.4	<32	<20	<12.3		<12.3	<24.6	<24.6	<24.6	<29.5	<14.8
2-Butanone (MEK)	4	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	<652	<326
Ethylbenzene	700	140	NDA	NDA	NDA	<125	<22	<27	<21.6	<80	<50	<10.9		<10.9	<21.8	<31.9	<31.9	<32.5	<16.3
Naphthalene	100	10	NDA	NDA	NDA	<200	<30	<37	<35.6	*75*	<25	<58.8		<58.8	<118	<118	<118	<113	<56.5
Methyl-tert-Butyl Ether	60	12	NDA	NDA	NDA	<75	<24	<30.5	<24.4	<80	<50	<62.3		<62.3	<125	<125	<125	<113	<56.5
Toluene	800	160	<35	<10	<26	<75	<27	<33.5	<26.8	<80	<50	<8.6		<8.6	<17.2	<26.9	<26.9	<28.8	<14.4
cis-1,2-Dichloroethene	70	7	**200**	**230**	**400**	**285**	**3,300**	**1,530**	**2,200**	**8,200**	**1,400**	**1,500**		**11,900**	**13,600**	**5,470**	**10,300**	**4,100**	**3,120**
trans-1,2-Dichloroethene	100	20	<38	<25	<70	<97.5	**800**	**403**	**574**	**1,900**	**490**	**654**		**734**	**601**	**667**	**537**	**435**	**501**
Vinyl Chloride	0.2	0.02	<15	<25	<38	<50	<7.2	<9.0	<7.2	<32	<20	<8.7		**46.9j**	**64.2**	<17.5	**44.2j**	**19.7j**	**29.8j**
Tetrachloroethene	5	0.5	**10,000**	**10,000**	**26,000**	**4,930**	**1,300**	**5,410**	**3,170**	**440**	**5,900**	**6,580**		**421**	**95.2j**	<32.6	**96.8j**	<40.9	<14.4
Trichloroethene	5	0.5	**3,800**	**2,300**	**8,200**	**1,050**	**5,800**	**3,640**	**3,200**	**3,200**	**1,900**	**4,150**		**319**	**298**	<25.5	**103**	<32.0	**16.8j**
Total Trimethylbenzenes	480	96	NDA	NDA	NDA	<177.5	<72	<90	<72	<64	<40	<85.7		<85.7	<171.4	<171.4	<171.4	<80.6	<40.3
Total Xylenes	2,000	400	NDA	NDA	NDA	<230	<105	<131.5	<72	<80	<50	<36.4		<36.4	<72.7	<72.7	<72.7	<104.8	<52.4
Geochemical Indicator Parameters																			
Ferrous Iron (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.028		1.7	16.6	4.6	6.3	0.69j	0.3
Nitrate-Nitrogen (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.38		<0.075	<0.22	<0.22	<0.22	<0.22	NA
Chloride (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	64.8		63.6	60.2	48.1	56.0	47.1	NA
Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	49.9		4.9	<2.2	2.7j	2.7j	<2.2	NA
Manganese (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	0.350		0.125	0.457	0.350	0.365	0.483	0.435
Dissolved Manganese (mg/L)			NA	NA	NA	NA	NA	NA	NA	0.34	0.32	NA		NA	NA	NA	NA	NA	NA
Total Alkalinity ($AaCO_3$)			NA	NA	NA	NA	NA	NA	NA	370	280	NA		NA	NA	NA	NA	NA	NA
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA	NA	NA	NA	NA	2.2	0.4	NA		NA	NA	NA	NA	NA	NA
Dissolved Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	NA	47	42	NA		NA	NA	NA	NA	NA	NA
Total Organic Carbon (mg/L)			NA	NA	NA	NA	NA	NA	NA	6.00	6.23	7.4		90.5	84.7	47.6	47.6	47.6	12.9
Dissolved Ethane (ug/L)			NA	NA	NA	NA	NA	NA	NA	<14	<14	<0.58		2.3j	<1.2	<1.2	<1.2	<0.39	<0.39
Dissolved Ethene (ug/L)			NA	NA	NA	NA	NA	NA	NA	<11	<11	<0.52		<1.2	1.5j	2.5j	1.6j	<0.25	<0.25
Dissolved Methane (ug/L)			NA	NA	NA	NA	NA	NA	NA	3,150	471	770		800	2,210	11,100	9,370	3,300	5,230
Field Parameters																			
Temperature (^oF)			NA	NA	NA	NA	NA	NA	NA	59.79	69.49	63.40		NA*	NA*	54.70	66.1	64.1	59.9
Conductivity (ms/cm)			NA	NA	NA	NA	NA	NA	NA	848	891	958		NA*	NA*	921	1,116	1,208	1,439
Dissolved Oxygen (mg/L)			NA	NA	NA	NA	NA	NA	NA	0.30	0.43	7.03		NA*	NA*	1.29	0.86	2.69	1.40
pH			NA	NA	NA	NA	NA	NA	NA	7.10	7.01	7.08		NA*	NA*	6.80	6.79	6.86	7.35
Redox Potential (mV)			NA	NA	NA	NA	NA	NA	NA	-47	-10.4	-90.6		NA*	NA*	-91.90	-106.70	-13.8	87.4

Cap 18 Injection - 6/19-6/20/19

NDA = No Data Available, laboratory reports not provided

PAL = Preventive Action Limit

ES = Enforcement Standards

BOLD	= Exceeds Enforcement Standard
Italic	= Exceeds Preventative Action Limit

NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit

*NA - Field Measurements not collected, CAP 18 Oil in well

TABLE 2b
MW200 GROUNDWATER ANALYTICAL RESULTS
FORMER V&L STRIPPING
864 MATHER STREET
GREEN BAY, WI 54303

			MW200															
PARAMETER	**ES**	**PAL**	***8/31/98***	***3/23/00***	***5/21/01***	***12/4/02***	***8/16/07***	***4/10/08***	***5/12/09***	***6/8/10***	***9/28/10***	***10/30/18***		***10/28/19***	***2/5/20***	***5/13/20***	***9/3/20***	***8/31/21***	***11/17/21***
Detected VOC's (ug/L)																			
Acetone	9	1.8	NA	NA	NA	NA	Dry	NA	NA	NA	NA	Dry	***Cap 18 Injection - 6/19-6/20/19***	NA	NA	NA	NA	<17.3	<43.2
Benzene	5	0.5	1.4	<1.0	<1.4	<31		<16.4	<10.2	<8	<5			<0.25	<0.25	<0.25	<2.5	<0.59	<1.5
2-Butanone (MEK)	4	0.4	NA	NA	NA	NA		NA	NA	NA	NA			NA	NA	NA	NA	<13.0	<32.6
Ethylbenzene	700	140	NDA	NDA	NDA	<50		<21.6	<13.5	<20	<13			<0.22	<0.22	<0.32	<3.2	<0.65	<1.6
Naphthalene	100	10	NDA	NDA	NDA	<80		<29.6	<22.2	<10	<6.3			<1.2	<1.2	<1.2	<11.8	<2.3	<5.6
Methyl-tert-Butyl Ether	60	12	NDA	NDA	NDA	<30		<24.4	<15.2	<20	<13			<1.2	<1.2	<1.2	<12.5	<2.3	<5.6
Toluene	800	160	<0.35	<1.0	<0.65	<30		<26.8	<16.8	<20	<13			<0.17	<0.17	<0.27	<2.7	<0.58	<1.4
1,1-Dichloroethene	7	0.7	<0.27	<0.27	<0.27	<0.27		<0.27	<0.27	<0.27	<0.27			0.36j	0.60j	<0.24	<2.4	<1.2	<2.9
cis-1,2-Dichloroethene	70	7	**310**	**270**	**210**	**188**		**78.7**	*35.4*	**420**	**330**			**117**	**437**	**90.0**	**512**	**239**	**456**
trans-1,2-Dichloroethene	100	20	*93*	**330**	**450**	**171**		**116**	*41.3*	**590**	**360**			*64.9*	**460**	*58.9*	**670**	**334**	**688**
Vinyl Chloride	0.2	0.02	<1.5	<2.5	**1.3j**	<20		<7.2	<4.5	<8	<5			**0.22j**	**1.8**	**0.32j**	**22.9**	**14.5**	**32.0**
Tetrachloroethene	5	0.5	**140**	**8.9**	**200**	**233**		**4,100**	**2,370**	**350**	**130**			<0.33	<0.33	<0.33	<3.3	*0.99j*	<2.0
Trichloroethene	5	0.5	**520**	**170**	**210**	**89**		**1,660**	**590**	**1,900**	**1,500**			*3.9*	*1.3*	**5.3**	<2.6	<0.64	<1.6
Total Trimethylbenzenes	480	96	NDA	NDA	NDA	<71		<72	<45	<16	<10			<1.71	<1.71	<1.71	<1.71	<1.61	<4
Total Xylenes	2,000	400	NDA	NDA	NDA	<92		<105.2	<45	<20	<13			<0.73	<0.73	<0.73	<0.73	<2.14	<5.2
Geochemical Indicator Parameters																			
Ferrous Iron (mg/L)			NA	NA	NA	NA		NA	NA	NA	NA			<0.028	<0.021	<0.021	NA*	0.70	0.18
Nitrate-Nitrogen (mg/L)			NA	NA	NA	NA		NA	NA	NA	NA			<0.075	<0.22	<0.044	NA*	<0.22	<0.22
Chloride (mg/L)			NA	NA	NA	NA		NA	NA	NA	NA			49.7	75.3	19.7	NA*	63.0	71.8
Sulfate (mg/L)			NA	NA	NA	NA		NA	NA	NA	NA			2.7j	2.5j	<0.44	NA*	<2.2	3.2j
Manganese (mg/L)			NA	NA	NA	NA		NA	NA	NA	NA			0.125	0.331	0.169	NA*	0.312	0.845
Dissolved Manganese (mg/L)			NA	NA	NA	NA		NA	NA	0.19	0.16			NA	NA	NA	NA*	NA	NA
Total Alkalinity ($AaCO_3$)			NA	NA	NA	NA		NA	NA	430	310			NA	NA	NA	NA*	NA	NA
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA	NA		NA	NA	<0.024	<0.024			NA	NA	NA	NA*	NA	NA
Dissolved Sulfate (mg/L)			NA	NA	NA	NA		NA	NA	56	29			NA	NA	NA	NA*	NA	NA
Total Organic Carbon (mg/L)			NA	NA	NA	NA		NA	NA	20.80	12.30			10.0	49.1	23.5	NA*	6.6	9.4
Dissolved Ethane (ug/L)			NA	NA	NA	NA		NA	NA	<14	<14			<1.2	<1.2	<1.2	NA*	<0.39	<0.39
Dissolved Ethene (ug/L)			NA	NA	NA	NA		NA	NA	<11	<11			<1.2	<1.2	<1.2	NA*	<0.25	<0.25
Dissolved Methane (ug/L)			NA	NA	NA	NA		NA	NA	40	41.3			207	2,470	4,870	NA*	5,720	5,720
Field Parameters																			
Temperature (^oF)			NA	NA	NA	NA		NA	NA	56.93	58.77			58.6	41.3	41.3	65.5	67.6	58.3
Conductivity (ms/cm)			NA	NA	NA	NA		NA	NA	977	788			714	826	826	1,799	1,675	2,201
Dissolved Oxygen (mg/L)			NA	NA	NA	NA		NA	NA	0.59	0.45			0.38	1.26	1.26	0.99	1.37	1.97
pH			NA	NA	NA	NA		NA	NA	6.99	6.84			7.12	7.19	7.19	6.80	6.74	7.27
Redox Potential (mV)			NA	NA	NA	NA		NA	NA	-285	-264.0			-134.5	-68.1	-68.1	-100.5	-82.2	-86.6

NDA = No Data Available, laboratory reports not provided

PAL = Preventive Action Limit

ES = Enforcement Standards

BOLD	= Exceeds Enforcement Standard
Italic	= Exceeds Preventative Action Limit

NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit

*MW200 did not contain enough water to analyze for inorganics on 9/3/20

TABLE 2c
MW300 GROUNDWATER ANALYTICAL RESULTS
FORMER V&L STRIPPING
864 MATHER STREET
GREEN BAY, WI 54303

			MW300														
PARAMETER	**ES**	**PAL**	***8/31/98***	***3/23/00***	***5/21/01***	***12/4/02***	***8/16/07***	***4/10/08***	***5/12/09***	***6/8/10***	***9/28/10***	***10/30/18***	***Cap 18 Injection - 6/19-6/20/19***	***10/28/19***	***2/5/20***	***5/13/20****	***9/3/20****
Detected VOC's (ug/L)																	
Benzene	5	0.5	<0.32	<0.10	*0.92*	<0.31	<4.1	<20.5	<10.2	<10	<10	<0.25		Injection Oil in Well, No H2O Present	Injection Oil in Well, No H2O Present	<1.2	<1.2
Ethylbenzene	700	140	NDA	NDA	NDA	<0.5	<5.4	<27	<13.5	<25	<25	<0.22				<1.6	<1.6
Naphthalene	100	10	NDA	NDA	NDA	<80	<29.6	<29.6	<22.2	<13	<13	<1.2				<5.9	<5.9
Methyl-tert-Butyl Ether	60	12	NDA	NDA	NDA	<0.3	<6.1	<30.5	<15.2	<25	<25	<1.2				<6.2	<6.2
Toluene	800	160	<0.35	<0.10	0.34	<0.30	<6.7	<33.5	<16.8	<25	<25	<0.17				<1.3	<1.3
cis-1,2-Dichloroethene	70	7	**50**	*18*	**36**	**24.4**	**360**	**266**	**520**	**630**	**620**	**461**				**354**	**268**
trans-1,2-Dichloroethene	100	20	*75*	*18*	*39*	7.13	**670**	**492**	**1,100**	**930**	**790**	**438**				**443**	**371**
Vinyl Chloride	0.2	0.02	<0.15	<0.25	**0.61**	<0.2	<1.8	<9.0	<4.5	<10	<10	**0.55j**				**29.4**	**21.2**
Tetrachloroethene	5	0.5	*2.4*	**5.2**	<0.85	*2.85*	**1,200**	**5,350**	**1,750**	**2,200**	**2,000**	**8.4**				*3.6j*	**8.8**
Trichloroethene	5	0.5	*2.4*	**12**	*2*	*3.61*	**1,000**	**1,200**	**1,190**	**3,400**	**3,700**	*3.2*				*1.4j*	*1.5j*
Total Trimethylbenzenes	480	96	NDA	NDA	NDA	<0.71	<19	<90	<45	<20	<20	<1.71				<8.6	<8.6
Total Xylenes	2,000	400	NDA	NDA	NDA	<0.92	<26.3	<131.5	<45	<25	<25	<0.73				<3.6	<3.6
Geochemical Indicator Parameters																	
Ferrous Iron (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.028				2.2	NA
Nitrate-Nitrogen (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.38				<0.22	NA
Chloride (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	57.6				67.7	NA
Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	35.5				<2.2	NA
Manganese (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	0.217				0.804	NA
Dissolved Manganese (mg/L)			NA	NA	NA	NA	NA	NA	NA	0.19	0.16	NA				NA	NA
Total Alkalinity ($AaCO_3$)			NA	NA	NA	NA	NA	NA	NA	430	310	NA				NA	NA
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA	NA	NA	NA	NA	<0.024	<0.024	NA				NA	NA
Dissolved Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	NA	56	29	NA				NA	NA
Total Organic Carbon (mg/L)			NA	NA	NA	NA	NA	NA	NA	20.80	12.30	11.6				494	NA
Dissolved Ethane (ug/L)			NA	NA	NA	NA	NA	NA	NA	<14	<14	<0.58				8.7	<1.2
Dissolved Ethene (ug/L)			NA	NA	NA	NA	NA	NA	NA	<11	<11	<0.52				<1.2	1.9j
Dissolved Methane (ug/L)			NA	NA	NA	NA	NA	NA	NA	40	41.3	4.0				13,700	11,200
Field Parameters																	
Temperature (^oF)			NA	NA	NA	NA	NA	NA	NA	56.93	58.77	61.5				Not	66.3
Conductivity (ms/cm)			NA	NA	NA	NA	NA	NA	NA	977	788	873				Measured	1,616
Dissolved Oxygen (mg/L)			NA	NA	NA	NA	NA	NA	NA	0.59	0.45	5.69				Oil in	0.31
pH			NA	NA	NA	NA	NA	NA	NA	6.99	6.84	6.98				Well	6.14
Redox Potential (mV)			NA	NA	NA	NA	NA	NA	NA	-285	-264.0	-78.7					-31.0

NDA = No Data Available, laboratory reports not provided

PAL = Preventive Action Limit

ES = Enforcement Standards

BOLD	= Exceeds Enforcement Standard
Italic	= Exceeds Preventative Action Limit

NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit

* - CAP 18 Oil present in well, sample collected from groundwater below oil

TABLE 2d
MW400 GROUNDWATER ANALYTICAL RESULTS
FORMER V&L STRIPPING
864 MATHER STREET
GREEN BAY, WI 54303

			MW400									
PARAMETER	**ES**	**PAL**	***8/31/98***	***3/23/00***	***5/21/01***	***12/4/02***	***8/16/07***	***4/10/08***	***5/12/09***	***6/8/10***	***9/28/10***	***10/30/18***
Detected VOC's (ug/L)												
Benzene	5	0.5	<0.32	<0.40	*<1.4*	<31	<10	<20.5	<41	<32	<20	Destroyed by Road Resconstruction
Ethylbenzene	700	140	NDA	NDA	NDA	<50	<14	<27	<54	<80	<50	
Naphthalene	100	10	NDA	NDA	NDA	<80	<18	<37	<89	<40	<25	
Methyl-tert-Butyl Ether	60	12	NDA	NDA	NDA	<30	<15	<30.5	<61	<80	<50	
Toluene	800	160	<0.35	<0.40	<0.65	<30	<17	<33.5	<67	<80	<50	
cis-1,2-Dichloroethene	70	7	**120**	**81**	**190**	**214**	**1,400**	**1,920**	**3,010**	**2,400**	**2,300**	
trans-1,2-Dichloroethene	100	20	**280**	**170**	**400**	**258**	**1,200**	**1,280**	**1,970**	**1,400**	**1,400**	
Vinyl Chloride	0.2	0.02	<0.15	<1.0	**1.4j**	<20	<4.5	<9.0	<18	<32	<20	
Tetrachloroethene	5	0.5	**34**	**21**	**120**	**526**	**3,500**	**1,830**	**83**	**6,000**	**6,500**	
Trichloroethene	5	0.5	**77**	**55**	**120**	**140**	**5,100**	**8,910**	**8,660**	**8,660**	**7,100**	
Total Trimethylbenzenes	480	96	NDA	NDA	NDA	<71	<65	<90	<180	<64	<40	
Total Xylenes	2,000	400	NDA	NDA	NDA	<92	<66	<131.5	<180	<80	<50	
Geochemical Indicator Parameters												
Ferrous Iron (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrate-Nitrogen (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chloride (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dissolved Manganese (mg/L)			NA	NA	NA	NA	NA	NA	NA	0.19	0.16	
Total Alkalinity ($AaCO_3$)			NA	NA	NA	NA	NA	NA	NA	430	310	
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA	NA	NA	NA	NA	<0.024	<0.024	
Dissolved Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	NA	56	29	
Total Organic Carbon (mg/L)			NA	NA	NA	NA	NA	NA	NA	20.80	12.30	
Dissolved Ethane (ug/L)			NA	NA	NA	NA	NA	NA	NA	<14	<14	
Dissolved Ethene (ug/L)			NA	NA	NA	NA	NA	NA	NA	<11	<11	
Dissolved Methane (ug/L)			NA	NA	NA	NA	NA	NA	NA	40	41.3	
Field Parameters												
Temperature (^oF)			NA	NA	NA	NA	NA	NA	NA	56.93	58.77	
Conductivity (ms/cm)			NA	NA	NA	NA	NA	NA	NA	977	788	
Dissolved Oxygen (mg/L)			NA	NA	NA	NA	NA	NA	NA	0.59	0.45	
pH			NA	NA	NA	NA	NA	NA	NA	6.99	6.84	
Redox Potential (mV)			NA	NA	NA	NA	NA	NA	NA	-285	-264.0	

NDA = No Data Available, laboratory reports not provided

PAL = Preventive Action Limit

ES = Enforcement Standards

BOLD	= Exceeds Enforcement Standard
Italic	= Exceeds Preventative Action Limit

NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit

TABLE 2e
MW600/MW600r GROUNDWATER ANALYTICAL RESULTS
FORMER V&L STRIPPING
864 MATHER STREET
GREEN BAY, WI 54303

			MW600			*MW600r*					
PARAMETER	**ES**	**PAL**	***9/28/10***	***10/30/18***		***10/28/19***	***2/5/20***	***5/13/20****	***9/3/20***	***8/31/21***	***11/17/21***
Detected VOC's (ug/L)				Destroyed by Road Resconstruction	***Cap 18 Injection - 6/19-6/20/19***						
Acetone	9	1.8	NA			NA	NA	NA	NA	<8.6	<8.6
Benzene	5	0.5	**39**			*3.3*	**17.8**	<0.25	*0.51j*	<0.30	<0.30
2-Butanone (MEK)	4	0.4	NA			NA	NA	NA	NA	<6.5	<6.5
Ethylbenzene	700	140	<2			<0.22	<0.22	<0.32	<0.32	<0.33	<0.33
Naphthalene	100	10	<1			<1.2	<1.2	<1.2	<1.2	<1.1	<1.1
Methyl-tert-Butyl Ether	60	12	**250**			**61.8**	**140**	<1.2	**128**	1.8j	**115**
Toluene	800	160	<2			<0.17	<0.17	<0.27	<0.27	<0.29	<0.29
cis-1,2-Dichloroethene	70	7	<2			0.41j	<0.27	<0.27	<0.27	<0.47	<0.47
trans-1,2-Dichloroethene	100	20	<2			<1.1	<1.1	<0.46	<0.46	<0.53	<0.53
Vinyl Chloride	0.2	0.02	<0.8			**0.28j**	<0.17	<0.17	<0.17	<0.17	<0.17
Tetrachloroethene	5	0.5	<2			<0.33	<0.33	<0.33	<0.33	<0.41	<0.41
Trichloroethene	5	0.5	<0.8			<0.26	<0.26	<0.26	<0.26	<0.32	<0.32
Total Trimethylbenzenes	480	96	<1.6			<1.71	<1.71	<1.71	<1.71	<0.81	<0.81
Total Xylenes	2,000	400	<2			<0.73	<0.73	<0.73	<0.73	<1.05	<1.05
Geochemical Indicator Parameters											
Ferrous Iron (mg/L)			NA			<0.14	<0.021	<0.021	<0.021	0.069	0.420
Nitrate-Nitrogen (mg/L)			NA			1.2	0.087j	<0.44	<0.22	14.1	<0.22
Chloride (mg/L)			NA			350	405	491	469	78.7	445
Sulfate (mg/L)			NA			231	194	194	194	37.6	241
Manganese (mg/L)			NA			0.721	0.947	0.964	0.920	0.344	0.750
Dissolved Manganese (mg/L)			NA			NA	NA	NA	NA	NA	NA
Total Alkalinity ($AaCO_3$)			NA			NA	NA	NA	NA	NA	NA
Dissolved Nitrate/Nitrite (mg/L)			NA			NA	NA	NA	NA	NA	NA
Dissolved Sulfate (mg/L)			NA			NA	NA	NA	NA	NA	NA
Total Organic Carbon (mg/L)			NA			3.2	4.7	5.5	NA	3.2	8.5
Dissolved Ethane (ug/L)			NA			<1.2	7.4	3.2j	3.7j	<0.39	10.2
Dissolved Ethene (ug/L)			NA			<1.2	<1.2	<1.2	<1.2	<0.25	<0.25
Dissolved Methane (ug/L)			NA			75.8	2,110	1,330	1,330	<0.58	1,630
Field Parameters											
Temperature (^oF)			54.63			56.50	44.60	48.80	62.00	69.1	58.8
Conductivity (ms/cm)			1,139			1,992	2,954	2,621	2,415	1,438	3,140
Dissolved Oxygen (mg/L)			0.73			9.04	1.24	1.17	3.10	1.77	3.44
pH			7.19			7.14	6.83	6.94	6.89	7.21	7.24
Redox Potential (mV)			61.0			78.7	75.4	50.1	28.3	54.9	-20.3

NDA = No Data Available, laboratory reports not provided

PAL = Preventive Action Limit

ES = Enforcement Standards

BOLD	= Exceeds Enforcement Standard
Italic	= Exceeds Preventative Action Limit

NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit

*VOC data suggests that MW600r and MW1000 were transposed on 5/13/20

TABLE 2f
MW1000 GROUNDWATER ANALYTICAL RESULTS
FORMER V&L STRIPPING
864 MATHER STREET
GREEN BAY, WI 54303

			MW1000													
PARAMETER	**ES**	**PAL**	***4/29/97***	***3/23/00***	***5/21/02***	***12/4/02***	***6/9/10***	***9/28/10***	***10/30/18***		***10/28/19***	***2/5/20***	***5/13/20****	***9/3/20***	***8/31/21***	***11/17/21***
Detected VOC's (ug/L)																
Acetone	9	1.8	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	<8.6	<8.6
Benzene	5	0.5	<0.21	<0.10	<0.29	<0.31	<0.2	<0.2	<0.25		<0.25	<0.25	*1.4*	<0.25	<0.30	<0.30
2-Butanone (MEK)	4	0.4	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	<6.5	<6.5
Ethylbenzene	700	140	NDA	NDA	NDA	<0.5	<0.50	<0.50	<0.22		<0.22	<0.22	<0.32	<0.32	<0.33	<0.33
Naphthalene	100	10	NDA	NDA	NDA	<0.8	<0.25	<0.25	<1.2		<1.2	<1.2	<1.2	<1.2	<1.1	<1.1
Methyl-tert-Butyl Ether	60	12	NDA	NDA	NDA	<0.3	<0.50	<0.50	<1.2		<1.2	<1.2	**129**	<1.2	<1.1	<1.1
Toluene	800	160	<1.5	<0.10	0.3j	<0.3	<0.50	<0.50	<0.17		<0.17	<0.17	<0.27	<0.27	<0.29	<0.29
cis-1,2-Dichloroethene	70	7	<0.32	3.2	0.5j	0.245j	<0.50	<0.50	<0.27		<0.27	<0.27	<0.27	0.33j	<0.47	0.58j
trans-1,2-Dichloroethene	100	20	<0.11	<0.25	<0.35	<0.39	<0.50	<0.50	<1.1		<1.1	<1.1	<0.46	<0.46	<0.53	<0.53
Vinyl Chloride	0.2	0.02	<0.045	<0.25	<0.19	<0.2	<0.2	<0.2	<0.17		<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Tetrachloroethene	5	0.5	*0.63*	*2.7*	<0.85	*0.515j*	<0.50	<0.50	<0.33		<0.33	<0.33	<0.33	<0.33	<0.41	<0.41
Trichloroethene	5	0.5	0.47	**16**	*1.8*	*0.685j*	0.45j	<0.2	<0.26		<0.26	<0.26	<0.26	0.47j	<0.32	0.42j
Total Trimethylbenzenes	480	96	NDA	NDA	NDA	<0.71	<0.4	<0.4	<1.71		<1.71	<1.71	<1.71	<1.71	<0.81	<0.81
Total Xylenes	2,000	400	NDA	NDA	NDA	<0.92	<0.50	<0.50	<0.73		<0.73	<0.73	<0.73	<0.73	<1.05	<1.05
Geochemical Indicator Parameters																
Ferrous Iron (mg/L)			NA	NA	NA	NA	NA	NA	<0.028		<0.028	<0.021	<0.021	<0.021	0.046j	0.20
Nitrate-Nitrogen (mg/L)			NA	NA	NA	NA	NA	NA	3.7		2.7	1.4	2.2	0.42j	<0.044	NA
Chloride (mg/L)			NA	NA	NA	NA	NA	NA	169		142	125	113	94.3	49.1	NA
Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	162		108	46.1	40.3	54.4	26.1	NA
Manganese (mg/L)			NA	NA	NA	NA	NA	NA	1.54		0.593	0.246	0.338	1.1	0.7	5.97
Dissolved Manganese (mg/L)			NA	NA	NA	NA	0.19	0.16	NA		NA	NA	NA	NA	NA	NA
Total Alkalinity ($AaCO_3$)			NA	NA	NA	NA	430	310	NA		NA	NA	NA	NA	NA	NA
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA	NA	<0.024	<0.024	NA		NA	NA	NA	NA	NA	NA
Dissolved Sulfate (mg/L)			NA	NA	NA	NA	56	29	NA		NA	NA	NA	NA	NA	NA
Total Organic Carbon (mg/L)			NA	NA	NA	NA	20.80	12.30	2.9		8.0	6.5	6.5	NA	7.2	7.3
Dissolved Ethane (ug/L)			NA	NA	NA	NA	<14	<14	<0.58		<1.2	<1.2	<1.2	<1.2	<0.39	<0.39
Dissolved Ethene (ug/L)			NA	NA	NA	NA	<11	<11	<0.52		<1.2	<1.2	<1.2	<1.2	<0.25	<0.25
Dissolved Methane (ug/L)			NA	NA	NA	NA	40	41.3	<1.4		<0.66	<0.66	<0.66	1.0j	<0.58	<0.58
Field Parameters																
Temperature (^oF)			NA	NA	NA	NA	54.63	64.00	60.2		59.2	45.1	49.0	62.4	62.1	59.1
Conductivity (ms/cm)			NA	NA	NA	NA	1,139	1,827	1,339		1,141	983	984	977	755	1,235
Dissolved Oxygen (mg/L)			NA	NA	NA	NA	0.73	1.95	1.58		1.07	0.85	1.42	2.84	0.91	4.81
pH			NA	NA	NA	NA	7.19	7.11	7.26		7.22	7.13	7.33	7.39	7.55	7.42
Redox Potential (mV)			NA	NA	NA	NA	61	90.9	109.1		150.2	19.2	15.8	-3.1	41.4	62.6

Cap 18 Injection - 6/19-6/20/19

NDA = No Data Available, laboratory reports not provided
PAL = Preventive Action Limit
ES = Enforcement Standards

BOLD	= Exceeds Enforcement Standard
Italic	= Exceeds Preventative Action Limit

NA - Not Analyzed
< - Concentration less than listed detection limit
j - Estimated Value between detection limit and quantification limit
*VOC data suggests that MW600r and MW1000 were transposed on 5/13/20

TABLE 2g
MW2000 GROUNDWATER ANALYTICAL RESULTS
FORMER V&L STRIPPING
864 MATHER STREET
GREEN BAY, WI 54303

			MW2000									*MW2000r*				
PARAMETER	**ES**	**PAL**	***12/4/02***	***4/1/03***	***8/16/07***	***4/10/08***	***5/12/09***	***6/9/10***	***9/28/10***	***10/30/18***	***Cap 18 Injection - 6/19-6/20/19***	***2/5/20***	***5/13/20***	***9/3/20***	***8/31/21***	***11/17/21***
Detected VOC's (ug/L)																
Acetone	9	1.8	NA	NA	NA	NA	NA	NA	NA	Destroyed by Road Resconstruction		NA	NA	NA	<8.6	<8.6
Benzene	5	0.5	<0.31	<0.31	<0.41	<0.41	<0.41	<0.20	<0.20			<0.25	<0.25	<0.25	<0.30	<0.30
2-Butanone (MEK)	4	0.4	NA	NA	NA	NA	NA	NA	NA			NA	NA	NA	<6.5	<6.5
Ethylbenzene	700	140	<0.5	<0.5	<0.54	<0.54	<0.54	<0.50	<0.50			<0.22	<0.32	<0.32	<0.33	<0.33
Naphthalene	100	10	<0.8	<0.8	<0.74	<0.74	<0.89	<0.25	<0.25			<1.2	<1.2	<1.2	<1.1	<1.1
Methyl-tert-Butyl Ether	60	12	<0.3	<0.3	<0.61	<0.61	<0.61	<0.50	<0.50			<1.2	<1.2	<1.2	<1.1	<1.1
Toluene	800	160	<0.3	<0.3	<0.67	<0.67	<0.67	<0.50	<0.50			<0.17	<0.27	<0.27	<0.29	<0.29
cis-1,2-Dichloroethene	70	7	<0.23	<0.23	<0.83	<0.83	<0.83	<0.50	<0.50			<0.27	<0.27	<0.27	<0.47	<0.47
trans-1,2-Dichloroethene	100	20	<0.396	<0.39	<0.89	<0.89	<0.89	<0.50	<0.50			<1.1	<0.46	<0.46	<0.53	<0.53
Vinyl Chloride	0.2	0.02	<0.2	<0.2	<0.18	<0.18	<0.18	<0.20	<0.20			<0.17	<0.17	<0.17	<0.17	<0.17
Tetrachloroethene	5	0.5	<0.32	<0.32	<0.45	<0.45	<0.45	<0.50	*3.2*			*0.69j*	0.43j	<0.33	<0.41	<0.41
Trichloroethene	5	0.5	<0.36	<0.36	<0.48	<0.48	<0.48	<0.20	*0.74*			<0.26	<0.26	<0.26	<0.32	<0.32
Total Trimethylbenzenes	480	96	<0.71	<0.71	<1.80	<1.80	<1.80	<0.40	<0.40			<1.71	<1.71	<1.71	<0.81	<0.81
Total Xylenes	2,000	400	<0.92	<0.92	<2.63	<2.63	<1.8	<0.50	<0.50			<0.73	<0.73	<0.73	<1.05	<1.05
Geochemical Indicator Parameters																
Ferrous Iron (mg/L)			NA	NA	NA	NA	NA	NA	NA			0.070	<0.021	<0.021	0.15	0.68
Nitrate-Nitrogen (mg/L)			NA	NA	NA	NA	NA	NA	NA			<0.22	<0.044	<0.22	NA	NA
Chloride (mg/L)			NA	NA	NA	NA	NA	NA	NA			34.1	31.0	33.6	38.6	NA
Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	NA			0.28	0.32	0.137	24.1	NA
Manganese (mg/L)			NA	NA	NA	NA	NA	NA	NA			32.4	32.4	32.4	0.188	0.222
Dissolved Manganese (mg/L)			NA	NA	NA	NA	NA	NA	NA			NA	NA	NA	NA	NA
Total Alkalinity ($AaCO_3$)			NA	NA	NA	NA	NA	NA	NA			NA	NA	NA	NA	NA
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA	NA	NA	NA	NA			NA	NA	NA	NA	NA
Dissolved Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	NA			NA	NA	NA	NA	NA
Total Organic Carbon (mg/L)			NA	NA	NA	NA	NA	NA	NA			8.8	8.7	NA	10.3	6.3
Dissolved Ethane (ug/L)			NA	NA	NA	NA	NA	NA	NA			<1.2	<1.2	<1.2	<1.2	<0.39
Dissolved Ethene (ug/L)			NA	NA	NA	NA	NA	NA	NA			<1.2	<1.2	<1.2	<1.2	<0.25
Dissolved Methane (ug/L)			NA	NA	NA	NA	NA	NA	NA			27.4	15.4	1,310	239	188
Field Parameters																
Temperature (^oF)			NA	NA	NA	NA	NA	NA	NA			45.3	47.9	58.0	58.9	57.4
Conductivity (ms/cm)			NA	NA	NA	NA	NA	NA	NA			629.7	675.5	745	676	803
Dissolved Oxygen (mg/L)			NA	NA	NA	NA	NA	NA	NA			4.69	1.60	0.29	0.51	1.68
pH			NA	NA	NA	NA	NA	NA	NA			7.40	7.28	7.28	7.22	7.60
Redox Potential (mV)			NA	NA	NA	NA	NA	NA	NA			-26.70	-96.4	-109.5	-123.7	-8.6

NDA = No Data Available, laboratory reports not provided
PAL = Preventive Action Limit
ES = Enforcement Standards

BOLD	= Exceeds Enforcement Standard
Italic	= Exceeds Preventative Action Limit

NA - Not Analyzed
< - Concentration less than listed detection limit
j - Estimated Value between detection limit and quantification limit

TABLE 2h
MW2100 GROUNDWATER ANALYTICAL RESULTS
FORMER V&L STRIPPING
864 MATHER STREET
GREEN BAY, WI 54303

			MW2100														
PARAMETER	**ES**	**PAL**	***12/4/02***	***4/1/03***	***8/16/07***	***4/10/08***	***5/12/09***	***6/9/10***	***9/28/10***	***10/30/18***	***Cap 18 Injection - 6/19-6/20/19***	***10/28/19***	***2/5/20***	***5/13/20***	***9/3/20***	***8/31/21***	***11/17/21***
Detected VOC's (ug/L)																	
Acetone	9	1.8	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	<8.6	<8.6
Benzene	5	0.5	<15.5	<0.31	<0.41	<0.41	<0.82	<0.40	<0.40	<0.25		<0.25	<0.25	<0.25	<0.25	<0.30	<0.30
2-Butanone (MEK)	4	0.4	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	<6.5	<6.5
Ethylbenzene	700	140	<25	<0.5	<0.54	<0.54	<1.1	<1.0	<1.0	<0.22		<0.22	<0.22	<0.32	<0.32	<0.33	<0.33
Naphthalene	100	10	<40	<0.8	<0.74	<0.74	<1.8	<0.50	<0.50	<1.2		<1.2	<1.2	<1.2	<1.2	<1.1	<1.1
Methyl-tert-Butyl Ether	60	12	<15	<0.3	<0.61	<0.61	<1.2	<1.0	<1.0	<1.2		<1.2	<1.2	<1.2	<1.2	<1.1	<1.1
Toluene	800	160	<15	<0.3	<0.67	<0.67	<1.3	<1.0	<1.0	<0.17		<0.17	<0.17	<0.27	<0.27	<0.29	<0.29
cis-1,2-Dichloroethene	70	7	**241**	**181**	**230**	**147**	**130**	**130**	**220**	**148**		*16.1*	**98.2**	5.7	**126**	*42.0*	**136**
trans-1,2-Dichloroethene	100	20	<19.5	12.2	11	5.5	5.6	5.0	8.8	9.1		1.4j	4.1	0.69j	6.0	2.5	6.0
Vinyl Chloride	0.2	0.02	<10	<0.2	**1.4**	<0.18	<0.36	**0.54j**	**0.74j**	**0.67j**		<0.17	**0.30j**	<0.17	**0.90j**	**0.20j**	**1.1**
Tetrachloroethene	5	0.5	<16	<0.32	<0.45	<0.45	<0.9	<1.0	<1.0	<0.33		<0.33	<0.33	<0.33	<0.33	<0.41	<0.41
Trichloroethene	5	0.5	<18	*2.1*	0.55j	<0.48	<0.96	*0.56j*	*0.64j*	*0.89j*		*0.73j*	*0.62j*	<0.26	*0.52j*	*0.87j*	*0.57j*
Total Trimethylbenzenes	480	96	<35.5	<0.71	<1.80	<1.80	<3.6	<0.80	<0.80	<1.71		<1.71	<1.71	<1.71	<1.71	<0.81	<0.81
Total Xylenes	2,000	400	<46	<0.92	<2.63	<2.63	<3.6	<1.0	<1.0	<0.73		<0.73	<0.73	<0.73	<0.73	<1.05	<1.05
Geochemical Indicator Parameters																	
Ferrous Iron (mg/L)			NA	NA	NA	NA	NA	NA	NA	<0.028		<0.028	<0.021	<0.021	<0.021	0.51	0.47
Nitrate-Nitrogen (mg/L)			NA	NA	NA	NA	NA	NA	NA	<0.075		3.3	0.27	11.3	0.56	2.6	NA
Chloride (mg/L)			NA	NA	NA	NA	NA	NA	NA	602		293	461	69.1	397	279	NA
Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	NA	54.6		38.9	44.3	25.8	32.9	33.2	NA
Manganese (mg/L)			NA	NA	NA	NA	NA	NA	NA	0.218		0.064	0.101	0.159	0.225	0.462	0.363
Dissolved Manganese (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
Total Alkalinity ($AaCO_3$)			NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
Dissolved Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
Total Organic Carbon (mg/L)			NA	NA	NA	NA	NA	NA	NA	0.48j		1.0	1.1	3.0	NA	3.1	3.4
Dissolved Ethane (ug/L)			NA	NA	NA	NA	NA	NA	NA	<0.58		<1.2	<1.2	<1.2	<1.2	<0.39	<0.39
Dissolved Ethene (ug/L)			NA	NA	NA	NA	NA	NA	NA	<0.52		<1.2	<1.2	<1.2	<1.2	<0.25	0.54j
Dissolved Methane (ug/L)			NA	NA	NA	NA	NA	NA	NA	253		13.9	16.8	1.1j	107.0	88.6	250
Field Parameters																	
Temperature (^oF)			NA	NA	NA	NA	NA	NA	NA	59.3		58.7	45.1	47.0	63.1	64.4	58.9
Conductivity (ms/cm)			NA	NA	NA	NA	NA	NA	NA	1,801		1,657	1,921	892	2,129	1,891	2,242
Dissolved Oxygen (mg/L)			NA	NA	NA	NA	NA	NA	NA	7.11		3.80	0.45	4.32	0.71	0.51	2.31
pH			NA	NA	NA	NA	NA	NA	NA	7.51		7.27	7.43	7.62	7.35	7.28	7.51
Redox Potential (mV)			NA	NA	NA	NA	NA	NA	NA	-96.0		-39.2	96.2	36.3	-90.8	-73.3	-57.7

NDA = No Data Available, laboratory reports not provided
PAL = Preventive Action Limit
ES = Enforcement Standards

BOLD	= Exceeds Enforcement Standard
Italic	= Exceeds Preventative Action Limit

NA - Not Analyzed
< - Concentration less than listed detection limit
j - Estimated Value between detection limit and quantification limit

TABLE 2i
MW3200 GROUNDWATER ANALYTICAL RESULTS
FORMER V&L STRIPPING
864 MATHER STREET
GREEN BAY, WI 54303

			MW3200													
PARAMETER	**ES**	**PAL**	***4/1/03***	***8/16/07***	***4/10/08***	***5/12/09***	***6/9/10***	***9/28/10***	***10/30/18***		***10/28/19***	***2/5/20***	***5/13/20***	***9/3/20***	***8/31/21***	***11/17/21***
Detected VOC's (ug/L)																
Acetone	9	1.8	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	<8.6	<8.6
Benzene	5	0.5	<0.31	<0.41	<0.41	<0.41	<0.20	<0.20	<0.25		<0.25	<0.25	<0.25	<0.25	<0.30	<0.30
2-Butanone (MEK)	4	0.4	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	<6.5	<6.5
Ethylbenzene	700	140	<0.5	<0.54	<0.54	<0.54	<0.50	<0.50	<0.22		<0.22	<0.22	<0.32	<0.32	<0.33	<0.33
Naphthalene	100	10	<0.8	<0.74	<0.74	<0.89	<0.25	<0.25	<1.2		<1.2	<1.2	<1.2	<1.2	<1.1	<1.1
Methyl-tert-Butyl Ether	60	12	<0.3	<0.61	<0.61	<0.61	<0.50	<0.50	<1.2		<1.2	<1.2	<1.2	<1.2	<1.1	<1.1
Toluene	800	160	<0.3	<0.67	<0.67	<0.67	<0.50	<0.50	<0.17		<0.17	<0.17	<0.27	<0.27	<0.29	<0.29
cis-1,2-Dichloroethene	70	7	<0.23	<0.83	<0.83	<0.83	<0.50	<0.50	<0.27		<0.27	<0.27	0.29j	0.29j	*22.7*	<0.47
trans-1,2-Dichloroethene	100	20	<0.39	<0.89	<0.89	<0.89	<0.50	<0.50	<1.1		<1.1	<1.1	<0.46	<0.46	0.98j	<0.53
Vinyl Chloride	0.2	0.02	<0.2	<0.18	<0.18	<0.18	<0.20	<0.20	<0.17		<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Tetrachloroethene	5	0.5	<0.2	<0.18	<0.18	<0.18	<0.20	<0.20	*0.65j*		<0.33	<0.33	*0.55j*	<0.33	**99.4**	0.42j
Trichloroethene	5	0.5	**13.5**	<0.45	*0.52j*	*0.81j*	<0.50	<0.50	0.47j		0.49j	<0.26	*0.52j*	*0.69j*	**33.8**	*0.81j*
Total Trimethylbenzenes	480	96	<0.71	<1.80	<1.80	<1.80	<0.40	<0.40	<1.71		<1.71	<1.71	<1.71	<1.71	<0.81	<0.81
Total Xylenes	2,000	400	<0.92	<2.63	<2.63	<1.8	<0.50	<0.50	<0.73		<0.73	<0.73	<0.73	<0.73	<1.05	<1.05
Geochemical Indicator Parameters																
Ferrous Iron (mg/L)			NA	NA	NA	NA	NA	NA	<0.028		<0.14	<0.021	<0.021	<0.021	<0.021	0.7
Nitrate-Nitrogen (mg/L)			NA	NA	NA	NA	NA	NA	<0.075		<0.075	<0.22	<0.044	<0.22	<0.22	NA
Chloride (mg/L)			NA	NA	NA	NA	NA	NA	39.9		37.3	25.4	2.5	58.8	58.8	NA
Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	10.6		27.5	19.4	<0.44	72.9	72.9	NA
Manganese (mg/L)			NA	NA	NA	NA	NA	NA	0.224		0.150	0.128	0.0166	0.138	0.157	0.178
Dissolved Manganese (mg/L)			NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
Total Alkalinity ($AaCO_3$)			NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
Dissolved Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
Total Organic Carbon (mg/L)			NA	NA	NA	NA	NA	NA	20.1		6.9	8.2	6.1	NA	0.4	7.2
Dissolved Ethane (ug/L)			NA	NA	NA	NA	NA	NA	<0.58		<1.2	<1.2	<1.2	<1.2	<0.39	<0.39
Dissolved Ethene (ug/L)			NA	NA	NA	NA	NA	NA	<0.52		<1.2	<1.2	<1.2	<1.2	<0.25	<0.25
Dissolved Methane (ug/L)			NA	NA	NA	NA	NA	NA	10.2		266	639	3,150	48.8	28.0	7.7
Field Parameters																
Temperature (^oF)			NA	NA	NA	NA	NA	NA	51.2		56.6	41.6	53.8	54.1	62.2	56.7
Conductivity (ms/cm)			NA	NA	NA	NA	NA	NA	757		719	781	426	916	862	1,024
Dissolved Oxygen (mg/L)			NA	NA	NA	NA	NA	NA	4.91		0.24	0.39	1.57	2.80	1.06	1.52
pH			NA	NA	NA	NA	NA	NA	7.00		7.11	7.33	7.63	7.53	7.39	7.46
Redox Potential (mV)			NA	NA	NA	NA	NA	NA	-109.5		-163.6	-128.5	-88.5	-108.7	-103.1	35.1

Cap 18 Injection - 6/19-6/20/19

NDA = No Data Available, laboratory reports not provided
PAL = Preventive Action Limit
ES = Enforcement Standards

BOLD	= Exceeds Enforcement Standard
Italic	= Exceeds Preventative Action Limit

NA - Not Analyzed
< - Concentration less than listed detection limit
j - Estimated Value between detection limit and quantification limit

TABLE 2j
PZ1700 GROUNDWATER ANALYTICAL RESULTS
FORMER V&L STRIPPING
864 MATHER STREET
GREEN BAY, WI 54303

			PZ1700												
PARAMETER	**ES**	**PAL**	***12/4/02***	***4/1/03***	***8/16/07***	***4/10/08***	***5/12/09***	***6/9/10***	***9/28/10***	***10/30/18***		***2/5/20***	***5/13/20***	***9/3/20***	***8/31/21***	***11/17/21***
Detected VOC's (ug/L)																
Acetone	9	1.8	NA	NA	NA	NA	NA	NA	NA	Flush Mount Concreted In	***Cap 18 Injection - 6/19-6/20/19***	NA	NA	NA	<8.6	<8.6
Benzene	5	0.5	<0.31	<0.31	<0.41	<0.41	<0.41	<0.20	<0.20			<0.25	<0.25	<0.25	<0.30	<0.30
2-Butanone (MEK)	4	0.4	NA	NA	NA	NA	NA	NA	NA			NA	NA	NA	<6.5	<6.5
Ethylbenzene	700	140	<0.5	<0.5	<0.54	<0.54	<0.54	<0.50	<0.50			<0.22	<0.32	<0.32	<0.33	<0.33
Naphthalene	100	10	<0.8	<0.8	<0.74	<0.74	<0.89	<0.25	0.47j			<1.2	<1.2	<1.2	<1.1	<1.1
Methyl-tert-Butyl Ether	60	12	<0.3	<0.3	<0.61	<0.61	<0.61	<0.50	<0.50			<1.2	<1.2	<1.2	<1.1	<1.1
Toluene	800	160	<0.3	<0.3	<0.67	<0.67	<0.67	<0.50	<0.50			<0.17	<0.27	<0.27	<0.29	<0.29
cis-1,2-Dichloroethene	70	7	<0.23	0.75j	<0.83	<0.83	<0.83	<0.50	<0.50			0.62j	<0.27	0.89j	**15,200**	*18.8*
trans-1,2-Dichloroethene	100	20	<0.39	<0.39	<0.89	<0.89	<0.89	<0.50	<0.50			<1.1	<0.46	<0.46	**404**	<0.53
Vinyl Chloride	0.2	0.02	<0.2	<0.2	<0.18	<0.18	<0.18	<0.20	<0.20			<0.17	<0.17	<0.17	**47.1**	<0.17
Tetrachloroethene	5	0.5	<0.32	*0.638j*	<0.45	<0.45	0.47j	<0.50	<0.50			<0.33	<0.33	<0.33	**12,600**	*1.1*
Trichloroethene	5	0.5	<0.36	*0.924j*	*1.2j*	<0.48	<0.48	0.20j	<0.20			0.29j	0.48j	<0.26	**9,440**	0.41j
Total Trimethylbenzenes	480	96	<0.71	<0.71	<1.80	<1.80	<1.80	<0.40	0.46			<1.71	<1.71	<1.71	<0.81	<0.81
Total Xylenes	2,000	400	<0.92	<0.92	<2.63	<2.63	<1.8	<0.50	<0.5			<0.73	<0.73	<0.73	<1.05	<1.05
Geochemical Indicator Parameters																
Ferrous Iron (mg/L)			NA	NA	NA	NA	NA	NA	NA	May Be Accessible		<0.021	<0.021	<0.021	0.079	0.12
Nitrate-Nitrogen (mg/L)			NA	NA	NA	NA	NA	NA	NA			<0.044	<0.044	<0.044	<0.044	NA
Chloride (mg/L)			NA	NA	NA	NA	NA	NA	NA			2.7	42.0	2.8	68.6	NA
Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	NA			0.45j	44.2	0.48j	18.0	NA
Manganese (mg/L)			NA	NA	NA	NA	NA	NA	NA			0.0147	0.122	0.0155	0.426	0.019
Dissolved Manganese (mg/L)			NA	NA	NA	NA	NA	NA	NA			NA	NA	NA	NA	NA
Total Alkalinity ($AaCO_3$)			NA	NA	NA	NA	NA	NA	NA			NA	NA	NA	NA	NA
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA	NA	NA	NA	NA			NA	NA	NA	NA	NA
Dissolved Sulfate (mg/L)			NA	NA	NA	NA	NA	NA	NA			NA	NA	NA	NA	NA
Total Organic Carbon (mg/L)			NA	NA	NA	NA	NA	NA	NA			6.2	5.7	NA	NA	6.1
Dissolved Ethane (ug/L)			NA	NA	NA	NA	NA	NA	NA			<1.2	<1.2	<1.2	<0.39	<0.39
Dissolved Ethene (ug/L)			NA	NA	NA	NA	NA	NA	NA			<1.2	<1.2	<1.2	5.5	<0.25
Dissolved Methane (ug/L)			NA	NA	NA	NA	NA	NA	NA			2,910	65.0	1,290	407	1,600
Field Parameters																
Temperature (^oF)			NA	NA	NA	NA	NA	NA	NA			50.2	47.1	61.6	70.8	62.3
Conductivity (ms/cm)			NA	NA	NA	NA	NA	NA	NA			410.9	808	734	1,054	504.5
Dissolved Oxygen (mg/L)			NA	NA	NA	NA	NA	NA	NA			0.51	2.33	7.80	6.70	1.00
pH			NA	NA	NA	NA	NA	NA	NA			7.50	7.36	7.74	6.63	7.17
Redox Potential (mV)			NA	NA	NA	NA	NA	NA	NA			6.4	-125.8	-90.7	14.9	-84.8

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ES = Enforcement Standards

BOLD	= Exceeds Enforcement Standard
Italic	= Exceeds Preventative Action Limit

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j - Estimated Value between detection limit and quantification limit

TABLE 2k
TW800/MW800 GROUNDWATER ANALYTICAL RESULTS
FORMER V&L STRIPPING
864 MATHER STREET
GREEN BAY, WI 54303

			TW800						*MW800*					
PARAMETER	**ES**	**PAL**	***10/10/02***	***4/1/03***	***6/8/10***	***9/28/10***	***10/30/18***		***10/28/19***	***2/5/20***	***5/13/20***	***9/3/20***	***8/31/21***	***11/17/21***
Detected VOC's (ug/L)														
Acetone	9	1.8	NA	NA	NA	NA	Destroyed by Road Reconstruction	***Cap 18 Injection - 6/19-6/20/19***	NA	NA	NA	NA	<43.2	<864
Benzene	5	0.5	<0.31	<0.31	<20	<16			<9.9	<6.2	<6.2	<6.2	<1.5	<29.5
2-Butanone (MEK)	4	0.4	NA	NA	NA	NA			NA	NA	NA	NA	<32.6	<652
Ethylbenzene	700	140	<0.5	<0.5	<50	<40			<8.7	<5.5	<8.0	<8.0	<1.6	<32.5
Naphthalene	100	10	<0.8	<0.8	<25	<20			<47.0	<29.4	<29.4	<29.4	<5.6	<113
Methyl-tert-Butyl Ether	60	12	<0.3	<0.3	<50	<40			<49.8	<31.1	<31.1	<31.1	<5.6	<113
Toluene	800	160	1.07	0.662j	<50	<40			<6.9	<4.3	<6.7	<6.7	<1.4	<28.8
cis-1,2-Dichloroethene	70	7	**8,520**	<0.23	**5,500**	**8,500**			**2,130**	**2,990**	**4,000**	**4,930**	**312**	**9,110**
trans-1,2-Dichloroethene	100	20	**364**	**354**	**910**	**1,610**			**437**	**483**	**336**	**662**	6.8	**528**
Vinyl Chloride	0.2	0.02	**10.8**	**11.4**	<20	<16			<7.0	<4.4	<4.4	**30.3**	<0.87	**153**
Tetrachloroethene	5	0.5	**3,060**	**2,200**	**1,100**	**230**			**1,130**	**9,480**	**21,100**	**4,680**	**467**	**1,350**
Trichloroethene	5	0.5	**20,000**	**14,600**	**2,300**	**2,200**			**2,310**	**6,470**	**5,320**	**5,620**	**228**	**5,590**
Total Trimethylbenzenes	480	96	<0.71	<0.71	<0.40	<32			<68.5	<42.8	<42.8	<42.8	<4	<80.6
Total Xylenes	2,000	400	<0.92	<0.92	<50	<40			<29.1	<18.1	<18.1	<18.1	<5.2	<104.8
Geochemical Indicator Parameters														
Ferrous Iron (mg/L)			NA	NA	NA	NA			<0.14	<0.021	<0.021	<0.021	0.14	0.53
Nitrate-Nitrogen (mg/L)			NA	NA	NA	NA			1.1	<0.044	<0.044	<0.044	<0.22	NA
Chloride (mg/L)			NA	NA	NA	NA			117	163	91	91	4.0j	NA
Sulfate (mg/L)			NA	NA	NA	NA			42.3	32.1	30.1	30.1	<2.2	NA
Manganese (mg/L)			NA	NA	NA	NA			0.484	0.892	0.513	0.475	0.0302	0.459
Dissolved Manganese (mg/L)			NA	NA	NA	NA			NA	NA	NA	NA	NA	NA
Total Alkalinity ($AaCO_3$)			NA	NA	NA	NA			NA	NA	NA	NA	NA	NA
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA	NA			1.1	NA	NA	NA	NA	NA
Dissolved Sulfate (mg/L)			NA	NA	NA	NA			NA	NA	NA	NA	NA	NA
Total Organic Carbon (mg/L)			NA	NA	NA	NA			12.0	11.9	13.9	13.9	7.6	10.3
Dissolved Ethane (ug/L)			NA	NA	NA	NA			<1.2	<1.2	<1.2	<1.2	<0.39	<0.39
Dissolved Ethene (ug/L)			NA	NA	NA	NA			<1.2	<1.2	<1.2	1.7j	<0.25	29.9
Dissolved Methane (ug/L)			NA	NA	NA	NA			34.2	892	403	3,020	1,450	1,070
Field Parameters														
Temperature (^oF)			NA	NA	NA	NA			58.6	46.2	56.8	69.0	70.3	61.9
Conductivity (ms/cm)			NA	NA	NA	NA			1,033	1,259	733	1,143	476	1,290
Dissolved Oxygen (mg/L)			NA	NA	NA	NA			8.15	0.37	1.80	0.54	0.32	0.94
pH			NA	NA	NA	NA			7.11	7.05	7.11	6.96	7.17	6.98
Redox Potential (mV)			NA	NA	NA	NA			-26.2	15.3	-33.6	-27.0	-135.6	22.9

NDA = No Data Available, laboratory reports not provided

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ES = Enforcement Standards

BOLD	= Exceeds Enforcement Standard
Italic	= Exceeds Preventative Action Limit

NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit

TABLE 2l
TW900 GROUNDWATER ANALYTICAL RESULTS
FORMER V&L STRIPPING
864 MATHER STREET
GREEN BAY, WI 54303

			TW900						
PARAMETER	**ES**	**PAL**	***10/10/02***	***4/1/03***	***9/28/10***	***10/30/18***		***10/28/19***	***2/5/20***
Detected VOC's (ug/L)									
Benzene	5	0.5	<310	<0.31	<40	Could Not Locate Inside Building	***Cap 18 Injection - 6/19-6/20/19***	Dry	Dry
Ethylbenzene	700	140	<500	<0.5	<100				
Naphthalene	100	10	<800	<0.8	<50				
Methyl-tert-Butyl Ether	60	12	<300	<0.3	<100				
Toluene	800	160	<300	0.484j	<100				
cis-1,2-Dichloroethene	70	7	**250**	**316**	**780**				
trans-1,2-Dichloroethene	100	20	<390	*33.6*	**730**				
Vinyl Chloride	0.2	0.02	<200	**1.03**	<40				
Tetrachloroethene	5	0.5	**11,300**	**16,000**	**21,000**				
Trichloroethene	5	0.5	**7,450**	**4,910**	**6,200**				
Total Trimethylbenzenes	480	96	<710	<0.71	<80				
Total Xylenes	2,000	400	<920	<0.92	<100				
Geochemical Indicator Parameters									
Ferrous Iron (mg/L)			NA	NA	NA				
Nitrate-Nitrogen (mg/L)			NA	NA	NA				
Chloride (mg/L)			NA	NA	NA				
Dissolved Manganese (mg/L)			NA	NA	NA				
Total Alkalinity ($AaCO_3$)			NA	NA	NA				
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA				
Dissolved Sulfate (mg/L)			NA	NA	NA				
Total Organic Carbon (mg/L)			NA	NA	NA				
Dissolved Ethane (ug/L)			NA	NA	NA				
Dissolved Ethene (ug/L)			NA	NA	NA				
Dissolved Methane (ug/L)			NA	NA	NA				
Field Parameters									
Temperature (^oF)			NA	NA	NA				
Conductivity (ms/cm)			NA	NA	NA				
Dissolved Oxygen (mg/L)			NA	NA	NA				
pH			NA	NA	NA				
Redox Potential (mV)			NA	NA	NA				

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ES = Enforcement Standards

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j - Estimated Value between detection limit and quantification limit

TABLE 2m
TW1100 GROUNDWATER ANALYTICAL RESULTS
FORMER V&L STRIPPING
864 MATHER STREET
GREEN BAY, WI 54303

			TW1100	
PARAMETER	**ES**	**PAL**	***10/10/02***	***4/1/03***
Detected VOC's (ug/L)				
Benzene	5	0.5	*1.80*	*1.48*
Ethylbenzene	700	140	<0.5	<0.5
Naphthalene	100	10	<0.8	<0.8
Methyl-tert-Butyl Ether	60	12	<0.3	<0.3
Toluene	800	160	<0.3	<0.3
cis-1,2-Dichloroethene	70	7	**306**	**252**
trans-1,2-Dichloroethene	100	20	**343**	**359**
Vinyl Chloride	0.2	0.02	**1.97**	**1.34**
Tetrachloroethene	5	0.5	**54.8**	**78.1**
Trichloroethene	5	0.5	**626.0**	**306.0**
Total Trimethylbenzenes	480	96	<0.71	<0.71
Total Xylenes	2,000	400	<0.92	<0.92
Geochemical Indicator Parameters				
Ferrous Iron (mg/L)			NA	NA
Nitrate-Nitrogen (mg/L)			NA	NA
Chloride (mg/L)			NA	NA
Dissolved Manganese (mg/L)			NA	NA
Total Alkalinity ($AaCO_3$)			NA	NA
Dissolved Nitrate/Nitrite (mg/L)			NA	NA
Dissolved Sulfate (mg/L)			NA	NA
Total Organic Carbon (mg/L)			NA	NA
Dissolved Ethane (ug/L)			NA	NA
Dissolved Ethene (ug/L)			NA	NA
Dissolved Methane (ug/L)			NA	NA
Field Parameters				
Temperature (^oF)			NA	NA
Conductivity (ms/cm)			NA	NA
Dissolved Oxygen (mg/L)			NA	NA
pH			NA	NA
Redox Potential (mV)			NA	NA

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ES = Enforcement Standards

BOLD	= Exceeds Enforcement Standard
Italic	= Exceeds Preventative Action Limit

NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit

TABLE 2n
TW1300 GROUNDWATER ANALYTICAL RESULTS
FORMER V&L STRIPPING
864 MATHER STREET
GREEN BAY, WI 54303

			TW1300			
PARAMETER	**ES**	**PAL**	***10/10/02***	***4/1/03***	***6/8/10***	***9/28/10***
Detected VOC's (ug/L)						
Benzene	5	0.5	<0.31	<155	*3.2*	<2
Ethylbenzene	700	140	<0.5	<250	<8.0	<5
Naphthalene	100	10	<0.8	<400	<4.0	<2.5
Methyl-tert-Butyl Ether	60	12	<0.3	<150	<8.0	<5
Toluene	800	160	0.683j	<150	<8.0	<5
cis-1,2-Dichloroethene	70	7	**1,130**	**696**	**890**	**1,000**
trans-1,2-Dichloroethene	100	20	**745**	**299**	**590**	**820**
Vinyl Chloride	0.2	0.02	**3.04**	<100	<3.2	<2
Tetrachloroethene	5	0.5	**825**	**763**	**130**	**170**
Trichloroethene	5	0.5	**6,030**	**2,540**	**71**	**55**
Total Trimethylbenzenes	480	96	<0.71	<355	<6.4	<4
Total Xylenes	2,000	400	<0.92	<460	<8.0	<5
Geochemical Indicator Parameters						
Ferrous Iron (mg/L)			NA	NA	NA	NA
Nitrate-Nitrogen (mg/L)			NA	NA	NA	NA
Chloride (mg/L)			NA	NA	NA	NA
Dissolved Manganese (mg/L)			NA	NA	NA	NA
Total Alkalinity ($AaCO_3$)			NA	NA	NA	NA
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA	NA
Dissolved Sulfate (mg/L)			NA	NA	NA	NA
Total Organic Carbon (mg/L)			NA	NA	NA	NA
Dissolved Ethane (ug/L)			NA	NA	NA	NA
Dissolved Ethene (ug/L)			NA	NA	NA	NA
Dissolved Methane (ug/L)			NA	NA	NA	NA
Field Parameters						
Temperature (^oF)			NA	NA	NA	NA
Conductivity (ms/cm)			NA	NA	NA	NA
Dissolved Oxygen (mg/L)			NA	NA	NA	NA
pH			NA	NA	NA	NA
Redox Potential (mV)			NA	NA	NA	NA

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ES = Enforcement Standards

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Italic	= Exceeds Preventative Action Limit

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j - Estimated Value between detection limit and quantification limit

TABLE 2o
TW1400 GROUNDWATER ANALYTICAL RESULTS
FORMER V&L STRIPPING
864 MATHER STREET
GREEN BAY, WI 54303

			TW1400											
PARAMETER	**ES**	**PAL**	***10/10/02***	***4/1/03***	***6/8/10***	***9/28/10***	***10/30/18***		***10/28/19***	***2/5/20***	***5/13/20***	***9/3/20***	***8/31/21***	***11/17/21***
Detected VOC's (ug/L)														
Acetone	9	1.8	NA	NA	NA	NA	Could Not Locate Inside Building	***Cap 18 Injection - 6/19-6/20/19***	NA	NA	NA	NA	Beneath Car Being Repaired	<34.6
Benzene	5	0.5	<0.31	<155	<6.4	<0.8			<0.99	<0.99	<0.99	<0.99		<1.2
2-Butanone (MEK)	4	0.4	NA	NA	NA	NA			NA	NA	NA	NA		<26.1
Ethylbenzene	700	140	<0.5	<250	<16	<2			<0.87	<0.87	<1.3	<1.3		<1.3
Naphthalene	100	10	<0.8	<400	<8.0	<1			<4.7	<4.7	<4.7	<4.7		<4.5
Methyl-tert-Butyl Ether	60	12	<0.3	<150	<16	<2			<5.0	<5.0	<5.0	<5.0		<4.5
Toluene	800	160	<0.3	<150	<16	<2			<0.69	<0.69	<1.1	<1.1		<1.2
cis-1,2-Dichloroethene	70	7	**222**	<115	**120**	**74**			*10.7*	*12.6*	6.2	**184**		**3,980**
trans-1,2-Dichloroethene	100	20	**644**	**347**	**300**	**190**			*23.8*	12.3j	10.5	*26.9*		**771**
Vinyl Chloride	0.2	0.02	**0.789**	<100	<6.4	<0.8			<0.70	<0.70	<0.70	<0.70		**53.1**
Tetrachloroethene	5	0.5	**1,990**	**2,960**	**1,700**	**260**			**283**	**853**	**1,100**	**161**		**8.4**
Trichloroethene	5	0.5	**1,200**	**1,820**	**76**	**120**			**7.6**	**21.2**	**10.4**	**17.5**		**15.6**
Total Trimethylbenzenes	480	96	<0.71	<355	<12.8	<1.6			<6.9	<6.9	<6.9	<6.9		<3.2
Total Xylenes	2,000	400	<0.92	<460	<8.0	<5			<2.9	<2.9	<2.9	<2.9		<4.2
Geochemical Indicator Parameters														
Ferrous Iron (mg/L)			NA	NA	NA	NA			<0.70	0.21	<0.10	NA*		1.2
Nitrate-Nitrogen (mg/L)			NA	NA	NA	NA			<0.075	<0.22	<0.22	NA*		NA
Chloride (mg/L)			NA	NA	NA	NA			136	142	139.0	NA*		46.1
Sulfate (mg/L)			NA	NA	NA	NA			50.0	33.3	16.4	NA*		NA
Manganese (mg/L)			NA	NA	NA	NA			0.525	1.51	1.18	NA*		0.455
Dissolved Manganese (mg/L)			NA	NA	NA	NA			NA	NA	NA	NA*		NA
Total Alkalinity ($AaCO_3$)			NA	NA	NA	NA			NA	NA	NA	NA*		NA
Dissolved Nitrate/Nitrite (mg/L)			NA	NA	NA	NA			NA	NA	NA	NA*		NA
Dissolved Sulfate (mg/L)			NA	NA	NA	NA			NA	NA	NA	NA*		NA
Total Organic Carbon (mg/L)			NA	NA	NA	NA			2.8	4.5	16.9	NA*		37.1
Dissolved Ethane (ug/L)			NA	NA	NA	NA			<1.2	<1.2	<1.2	NA*		<0.39
Dissolved Ethene (ug/L)			NA	NA	NA	NA			<1.2	<1.2	<1.2	NA*		<0.25
Dissolved Methane (ug/L)			NA	NA	NA	NA			0.89j	<0.66	<0.66	NA*		4,530
Field Parameters														
Temperature (^oF)			NA	NA	NA	NA			59.7	46.9	49.6	51.2		61.5
Conductivity (ms/cm)			NA	NA	NA	NA			1,194	1,174	1,108	1,423		1,896
Dissolved Oxygen (mg/L)			NA	NA	NA	NA			2.80	3.67	3.35	3.27		1.93
pH			NA	NA	NA	NA			7.00	7.01	7.49	7.10		7.33
Redox Potential (mV)			NA	NA	NA	NA			-62.0	31.9	-195.6	108.9		-87.1

NDA = No Data Available, laboratory reports not provided

PAL = Preventive Action Limit

ES = Enforcement Standards

BOLD	= Exceeds Enforcement Standard
Italic	= Exceeds Preventative Action Limit

NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit

*TW1400 did not contain enough water to analyze for inorganics on 9/3/20

TABLE 2p
TW1500/MW1500 GROUNDWATER ANALYTICAL RESULTS
FORMER V&L STRIPPING
864 MATHER STREET
GREEN BAY, WI 54303

			TW1500			*MW1500*					
PARAMETER	**ES**	**PAL**	***10/10/02***	***4/1/03***		***10/28/19***	***2/5/20***	***5/13/20***	***9/3/20***	***8/31/21***	***11/17/21***
Detected VOC's (ug/L)											
Acetone	9	1.8	NA	NA		NA	NA	NA	NA	<43.2	<8.6
Benzene	5	0.5	<0.31	<0.31		<2.5	<1.2	*2.2j*	<1.2	<1.5	*0.78j*
2-Butanone (MEK)	4	0.4	NA	NA		NA	NA	NA	NA	<32.6	<6.5
Ethylbenzene	700	140	<0.5	<0.5		<2.2	<1.1	<1.6	<1.6	<1.6	<0.33
Naphthalene	100	10	<0.8	<0.8		<11.8	<5.9	<5.9	<5.9	<5.9	<1.1
Methyl-tert-Butyl Ether	60	12	<0.3	<0.3		<12.5	<6.2	<6.2	<6.2	<5.6	<1.1
Toluene	800	160	<0.3	<0.3		<1.7	<0.86	<1.3	<1.3	<1.4	<0.29
cis-1,2-Dichloroethene	70	7	*16.6*	*9.23*		**640**	**430**	**760**	**427**	**387**	**93.4**
trans-1,2-Dichloroethene	100	20	2.92	<0.2		**164**	**129**	**297**	**168**	**180**	*93.8*
Vinyl Chloride	0.2	0.02	<0.2	<0.2		<1.7	<0.87	**2.0j**	**7.0**	**41.5**	**46.8**
Tetrachloroethene	5	0.5	0.339j	0.351j		<3.3	**25.0**	<1.6	<1.6	**38.3**	<0.41
Trichloroethene	5	0.5	*0.664j*	<0.36		<2.6	**18.3**	<1.3	<1.3	**12.4**	<0.32
Total Trimethylbenzenes	480	96	<0.71	<0.71		<17.1	<8.6	<8.6	<8.6	<4	<0.81
Total Xylenes	2,000	400	<0.92	<0.92		<7.3	<4.6	<3.6	<3.6	<5.2	<1.05
Geochemical Indicator Parameters											
Ferrous Iron (mg/L)			NA	NA		<0.28	<0.021	<0.021	<0.021	0.10	0.75
Nitrate-Nitrogen (mg/L)			NA	NA		0.67	<0.044	<0.044	<0.044	<0.044	NA
Chloride (mg/L)			NA	NA		127	145	111	130	109	NA
Sulfate (mg/L)			NA	NA		NA	NA	41.2	10.7	78.6	NA
Manganese (mg/L)			NA	NA		0.0586	0.525	0.510	0.599	0.671	0.459
Dissolved Manganese (mg/L)			NA	NA		NA	NA	NA	NA	NA	NA
Total Alkalinity ($AaCO_3$)			NA	NA		450	NA	NA	NA	NA	NA
Dissolved Nitrate/Nitrite (mg/L)			NA	NA		NA	NA	NA	NA	NA	NA
Dissolved Sulfate (mg/L)			NA	NA		NA	NA	NA	NA	NA	NA
Total Organic Carbon (mg/L)			NA	NA		13.6	20.1	15.3	15.3	12.9	14.4
Dissolved Ethane (ug/L)			NA	NA		<1.2	<1.2	<1.2	<1.2	<0.39	<0.39
Dissolved Ethene (ug/L)			NA	NA		<1.2	<1.2	<1.2	1.4j	11.0	31.0
Dissolved Methane (ug/L)			NA	NA		137	642	4,280	6,730	2,180	4,590
Field Parameters											
Temperature (^oF)			NA	NA		58.7	46.0	49.5	64.1	67.8	59.8
Conductivity (ms/cm)			NA	NA		1,099	1,207	1,297	1,312	1,193	1,503
Dissolved Oxygen (mg/L)			NA	NA		7.48	0.18	0.86	0.34	1.15	0.91
pH			NA	NA		7.05	7.14	7.11	7.03	6.87	7.43
Redox Potential (mV)			NA	NA		36.4	31.2	-8.5	-130.0	-42.4	-50.2

Cap 18 Injection - 6/19-6/20/19

NDA = No Data Available, laboratory reports not provided
PAL = Preventive Action Limit
ES = Enforcement Standards

BOLD	= Exceeds Enforcement Standard
Italic	= Exceeds Preventative Action Limit

NA - Not Analyzed
< - Concentration less than listed detection limit
j - Estimated Value between detection limit and quantification limit

TABLE 2q
TW3100 GROUNDWATER ANALYTICAL RESULTS
FORMER V&L STRIPPING
864 MATHER STREET
GREEN BAY, WI 54303

			TW3100
PARAMETER	**ES**	**PAL**	***4/1/03***
Detected VOC's (ug/L)			
Benzene	5	0.5	<0.31
Ethylbenzene	700	140	<0.5
Naphthalene	100	10	<0.8
Methyl-tert-Butyl Ether	60	12	<0.3
Toluene	800	160	<0.3
cis-1,2-Dichloroethene	70	7	<0.23
trans-1,2-Dichloroethene	100	20	<0.39
Vinyl Chloride	0.2	0.02	<0.2
Tetrachloroethene	5	0.5	<0.32
Trichloroethene	5	0.5	<0.36
Total Trimethylbenzenes	480	96	<0.71
Total Xylenes	2,000	400	<0.92
Geochemical Indicator Parameters			
Ferrous Iron (mg/L)			NA
Nitrate-Nitrogen (mg/L)			NA
Chloride (mg/L)			NA
Dissolved Manganese (mg/L)			NA
Total Alkalinity ($AaCO_3$)			NA
Dissolved Nitrate/Nitrite (mg/L)			NA
Dissolved Sulfate (mg/L)			NA
Total Organic Carbon (mg/L)			NA
Dissolved Ethane (ug/L)			NA
Dissolved Ethene (ug/L)			NA
Dissolved Methane (ug/L)			NA
Field Parameters			
Temperature (^oF)			NA
Conductivity (ms/cm)			NA
Dissolved Oxygen (mg/L)			NA
pH			NA
Redox Potential (mV)			NA

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PAL = Preventive Action Limit

ES = Enforcement Standards

BOLD	= Exceeds Enforcement Standard
Italic	= Exceeds Preventative Action Limit

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j - Estimated Value between detection limit and quantification limit

TABLE 2r
TW3500 GROUNDWATER ANALYTICAL RESULTS
FORMER V&L STRIPPING
864 MATHER STREET
GREEN BAY, WI 54303

			TW3500
PARAMETER	**ES**	**PAL**	***6/19/03***
Detected VOC's (ug/L)			
Benzene	5	0.5	<0.31
Ethylbenzene	700	140	<0.5
Naphthalene	100	10	<0.8
Methyl-tert-Butyl Ether	60	12	<0.3
Toluene	800	160	<0.3
cis-1,2-Dichloroethene	70	7	<0.23
trans-1,2-Dichloroethene	100	20	<0.39
Vinyl Chloride	0.2	0.02	<0.2
Tetrachloroethene	5	0.5	0.431j
Trichloroethene	5	0.5	<0.36
Total Trimethylbenzenes	480	96	<0.71
Total Xylenes	2,000	400	<0.92
Geochemical Indicator Parameters			
Ferrous Iron (mg/L)			NA
Nitrate-Nitrogen (mg/L)			NA
Chloride (mg/L)			NA
Dissolved Manganese (mg/L)			NA
Total Alkalinity ($AaCO_3$)			NA
Dissolved Nitrate/Nitrite (mg/L)			NA
Dissolved Sulfate (mg/L)			NA
Total Organic Carbon (mg/L)			NA
Dissolved Ethane (ug/L)			NA
Dissolved Ethene (ug/L)			NA
Dissolved Methane (ug/L)			NA
Field Parameters			
Temperature (^oF)			NA
Conductivity (ms/cm)			NA
Dissolved Oxygen (mg/L)			NA
pH			NA
Redox Potential (mV)			NA

NDA = No Data Available, laboratory reports not provided

PAL = Preventive Action Limit

ES = Enforcement Standards

BOLD	= Exceeds Enforcement Standard
Italic	= Exceeds Preventative Action Limit

NA - Not Analyzed

< - Concentration less than listed detection limit

j - Estimated Value between detection limit and quantification limit

TABLE 3
MONITORING WELL DATA
FORMER V&L STRIPPING
864 MATHER STREET
GREEN BAY, WI 54303

	MW100	MW200	MW300	MW400	MW600	MW600r	MW800	MW1000	MW2000	MW2000r	MW2100	MW3200	PZ1700	TW900	TW1400	MW1500
Top of Casing Elevation	594.72	595.09	594.70	594.22	594.33	593.20	594.63	595.11	593.54	595.25	594.31	592.70	594.32	Not Surveyed	Not Surveyed	594.73

Depth to Water (feet)

8/16/07	8.20	Dry	8.28	7.75	NM	NI	NI	NM	7.36	NI	8.09	6.20	8.74	NM	NM	NI
4/10/08	6.39	6.69	6.67	6.46	NM	NI	NI	NM	6.23	NI	6.80	3.46	6.81	NM	NM	NI
5/12/09	7.05	7.37	7.12	6.87	NM	NI	NI	NM	6.51	NI	7.25	4.73	7.13	NM	NM	NI
6/8/10	7.56	7.92	7.57	7.19	NM	NI	NI	NM	6.64	NI	7.57	5.39	7.41	NM	NM	NI
9/28/10	7.01	7.43	7.14	6.81	7.42	NI	NI	8.09	6.46	NI	7.39	4.79	10.42	NM	NM	NI
10/30/18	7.87	Dry	7.82	Destroyed	Destroyed	NI	NI	8.10	Destroyed	NI	7.41	5.12	NM	NM	NM	NI
10/28/19	NM*	7.65	NM*			10.12	11.65	7.67		NI	6.96	4.81	NM	Dry	7.80	8.40
2/5/20	7.84	7.89	NM*			6.79	7.72	8.21		7.63	7.41	5.16	6.96	Dry	8.13	7.51
5/13/20	7.71	7.72	NM*			5.99	7.61	7.85		7.03	7.11	7.11	5.75	Dry	7.99	7.39
9/3/20	8.38	8.65	9.65*			7.55	8.10	8.38		7.75	7.91	6.05	7.13	Dry	8.86	8.04
8/31/21	7.51	7.61	NM*			6.71	7.07	7.86		6.82	7.15	4.71	7.49	Dry	NM	7.33
11/17/21	Water level indicator failure															

Groundwater Elevation

8/16/07	586.52	Dry	586.42	586.47	NM	NI	NI	NM	586.18	NI	586.22	586.50	585.58	NM	NM	NI
4/10/08	588.33	588.40	588.03	587.76	NM	NI	NI	NM	587.31	NI	587.51	589.24	587.51	NM	NM	NI
5/12/09	587.67	587.72	587.58	587.35	NM	NI	NI	NM	587.03	NI	587.06	587.97	587.19	NM	NM	NI
6/8/10	587.16	587.17	587.13	587.03	NM	NI	NI	NM	586.90	NI	586.74	587.31	586.91	NM	NM	NI
9/28/10	587.71	587.66	587.56	587.41	586.91	NI	NI	587.02	587.08	NI	586.92	587.91	583.90	NM	NM	NI
10/30/18	586.85	Dry	586.88	Destroyed	Destroyed	NI	NI	587.01	Destroyed	NI	586.90	587.58	NM	NM	NM	NI
10/28/19	NM	587.44	NM*			583.08	582.98	587.44		NI	587.35	587.89	NM	Dry	-	586.33
2/5/20	586.88	587.20	NM*			586.41	586.91	586.90		587.62	586.90	587.54	587.36	Dry	-	587.22
5/13/20	587.01	587.37	NM*			587.21	587.02	587.26		588.22	587.20	585.59	588.57	Dry	-	587.34
9/3/20	586.34	586.44	585.05*			585.65	586.53	586.73		587.50	586.40	586.65	587.19	Dry	-	586.69
8/31/21	587.21	587.48	NM*			586.49	587.56	587.25		588.43	587.16	587.99	586.83	Dry	NM	587.40
11/17/21	Water level indicator failure															

NM = Not Measured

NI = Not Installed

* CAP 18 injection oil present in MW100 & MW300, Unable to obtain accurate DTW

TABLE 4a
AMBIENT AIR SAMPLING RESULTS
FORMER V&L STRIPPING
864 MATHER STREET
GREEN BAY, WI 54303

					Sample -->	***West***	***Center***	***East***	***Entrance***
					Collected By-->	***REI***	***REI***	***REI***	***REI***
					Sample Date-->	***9/3/20***	***9/3/20***	***9/3/20***	***9/3/20***
TO-15 Detected VOC's (µg/m³)	**CAS Number**	carcinogen	***Indoor Air VAL***						
			Residential [R]	Small Commercial [SC]	Large Commercial/ Industrial [LC/I]				
Acetone	67-64-1	n	32,200	135,000	135,000	<0.897	20.6	45	12
Acrolein	107-02-8	n	0.0209	0.0876	0.0876	**3.03**	<0.188	<0.188	<0.188
Benzene	71-43-2	c	3.6	16	16	**56**	**54**	**54**	**52**
Benzyl chloride	100-44-7	c	0.573	2.5	2.5	<0.627	<0.418	<0.418	<0.418
Bromodichloromethane	75-27-4	c	0.759	3.31	3.31	<1.122	<0.748	<0.748	<0.748
Bromoform	75-25-2	c	25.5	111	111	<1.242	<0.828	<0.828	<0.828
Bromomethane	74-83-9	n	5.21	21.9	21.9	<0.6	<0.4	<0.4	<0.4
1,3-Butadiene	106-99-0	c	0.936	4.09	4.09	<0.429	<0.286	<0.286	<0.286
Carbon disulfide	75-15-0	c	730	3,070	3,070	20.2	2.86	3.2	2.86
Carbon tetrachloride	56-23-5	c	4.68	20.4	20.4	<0.921	<0.614	0.63j	0.63j
Chlorobenzene	108-90-7	c	52.1	219	219	<0.753	<0.502	<0.502	<0.502
Chloroethane	75-00-3	--	--	--	--	<0.477	<0.318	<0.318	<0.318
Chloroform	67-66-3	c	1.22	5.33	5.33	<0.9	<0.6	<0.6	<0.6
Chloromethane	74-87-3	n	93.9	394	394	<2.493	<1.662	<1.661	<1.662
Chlorohexane	544-10-5	--	--	--	--	13.5	12.5	12.6	11.7
Dibromochloromethane	124-48-1	--	--	--	--	<1.128	<0.752	<0.752	<0.752
1,4-Dichlorobenzene	106-46-7	c	2.55	11.1	11.1	1.8j	0.96j	1.2j	1.2j
1,3-Dichlorobenzene	541-73-1	--	--	--	--	<0.906	<0.604	<0.604	<0.604
1,2-Dichlorobenzene	95-50-1	n	209	876	876	<0.705	<0.47	<0.47	<0.47
Dichlorodifluoromethane	75-71-8	n	104	438	438	3.11	3.2	3.2	3.07
1,2-Dichloroethane	107-06-2	c	1.08	4.72	4.72	<0.72	<0.48	<0.48	<0.48
1,1-Dichloroethane	75-34-3	c	17.5	76.7	76.7	<0.561	<0.374	<0.374	<0.374
1,1-Dichloroethene	75-35-4	n	209	876	876	<0.63	<0.42	<0.42	<0.42
cis-1,2-Dichloroethene	156-59-2	--	--	--	--	<0.591	<0.394	<0.394	<0.394
trans-1,2-Dichloroethene	156-60-5	c	--	--	--	<0.693	<0.462	<0.462	<0.462
1,2-Dichloropropane	78-87-5	n	4.17	17.5	17.5	<0.84	<0.56	<0.56	<0.56
trans-1,3-Dichloropropene	10061-02-6	--	--	--	--	<0.594	<0.396	<0.396	<0.396
cis-1,3-Dichloropropene	10061-01-5	--	--	--	--	<0.702	<0.468	<0.468	<0.468
Dichlorotetrafluoroethane (1,2-)	76-14-2	--	--	--	--	<1.338	<0.892	<0.892	<0.892
1,4-Dioxane	123-91-1	c	5.62	24.5	24.5	<0.471	<0.314	<0.314	<0.314
1,2-Dibromoethane (EDB)	106-93-4	c	0.0468	0.204	0.204	<1.026	<0.684	<0.684	<0.684
Ethanol	64-17-5	--	--	--	--	130	109	104	87
Ethyl acetate	141-78-6	n	73	307	307	<0.528	<0.352	<0.352	<0.352
Ethylbenzene	100-41-4	c	11.2	49.1	49.1	*38*	*37*	*37*	*33*
4-Ethyltouene	622-96-8	--	--	--	--	15.3	15	15.5	11.6
n-Heptane	142-82-5	n	417	1,750	1,750	46	44	44	42
Hexachloro-1,3-butadiene	87-68-3	c	1.28	5.57	5.57	<1.467	<0.978	<0.978	<0.978
n-Hexane	110-54-3	n	730	1,750	1,750	45	39	39	36
2-Hexanone	591-78-6	n	31.3	131	131	<0.666	<0.444	<0.444	<0.444
2-Propanol (Isopropanol)	67-63-0	n	209	876	876	<0.327	<0.218	<0.218	<0.218
2-Butanone (MEK)	78-93-3	n	5,210	21,900	21,900	4.8	5.4	4.10	3.07
4-Methyl-2-pentanone (MIBK)	108-11-2	n	3,130	13,100	13,100	<0.504	1.15	<0.336	<0.336
Methyl Methacrylate	80-62-6	n	730	3,070	3,070	<0.651	<0.434	<0.434	<0.434
Methylene Chloride	75-09-2	n	626	2,630	2,630	<45	<30	<30	<30
Methyl-tert-butyl ether (MTBE)	1634-04-4	c	108	472	472	<0.48	<0.32	<0.32	<0.32
Naphthalene	91-20-3	n	0.826	3.61	3.61	**7.8**	**6.2**	**5.9**	**3.7j**
Propylene	115-07-1	n	3,130	13,100	13,100	<0.237	<0.158	<0.158	<0.158
Styrene	100-42-5	n	1,040	4,380	4,380	0.64j	0.6j	0.43j	<0.362
1,1,2,2-Tetrachloroethane	79-34-5	c	0.484	2.11	2.11	<0.975	<0.65	<0.65	<0.65
Tetrachloroethene (PCE)	127-18-4	n	41.7	175	175	5.7	8.7	14.4	<0.556
Tetrahydrofuran	109-99-9	n	2,090	8,760	8,760	<0.393	<0.262	<0.262	<0.262
Toluene	108-88-3	n	5,210	21,900	21,900	245	236	239	221
1,2,4-Trichlorobenzene	120-82-1	n	2.09	8.76	8.76	<1.971	<1.314	<1.314	<1.314
1,1,1-Trichloroethane	71-55-6	n	5,210	21,900	21,900	<0.747	<0.498	<0.498	<0.498
1,1,2-Trichloroethane	79-00-5	n	0.209	0.876	0.876	<0.774	<0.516	<0.516	<0.516
Trichloroethene (TCE)	79-01-6	--	2.09	8.76	8.76	<0.711	1.71	<0.474	<0.474
Trichlorofluoromethane	75-69-4	n	--	--	--	2.36j	2.13j	2.02j	1.8j
Trichlorotrifluoroethane (1,1,2-)	76-13-1	n	5,210	21,900	21,900	<1.206	<0.804	<0.804	<0.804
1,2,4-Trimethylbenzene (TMB)	95-63-6	n	62.6	263	263	54	52	55	37
1,3,5-Trimethylbenzene (TMB)	108-67-8	c	62.6	263	263	12.2	11.6	12.5	8.3
Vinyl acetate	108-05-4	n	209	876	876	<0.609	<0.406	<0.406	<0.406
Vinyl chloride	75-01-4	n	1.68	27.9	27.9	<0.444	<0.296	<0.296	<0.296
Xylene, m,p-	1330-20-7	n	104	438	438	137	132	134	117
Xylene, o-		n				51	50	51	43

Notes:
VAL = Vapor Action Level
< = Concentration Below Laboratory Detection Limit
- = Not Sampled/Collected
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
c = carcinogen
n = non-carcinogen
Target Risk for Carcinogens = 1.00E-05
Target Hazard Quotient for Non-Carcinogens = 1

Immediate Action Criteria for Indoor Air
Carinogens (c) = 10 x VAL
Non-carinogens (n) = 3 x VAL

Italics	= Exceeds US EPA Residential VAL
Bold	= Exceeds US EPA Commercial VAL
Underlined	= Exceeds Immediate Action Criteria for Indoor Air

TABLE 4b
SUB-SLAB AIR SAMPLING RESULTS
FORMER V&L STRIPPING
864 MATHER STREET
GREEN BAY, WI 54303

					Sample -->	***VP1***	***VP2***	***VP3***
					Collected By-->	***REI***	***REI***	***REI***
					Sample Date-->	***10/26/21***	***10/26/21***	***10/26/21***
WDNR Common VOC's (µg/m³)	**CAS Number**	carcinogen	***Sub-Slab VRSL***					
			Residential [R] (AF = 0.03)	Small Commercial [SC] (AF = 0.03)	Large Commercial/ Industrial [LC/I] (AF = 0.01)			
cis-1,2-Dichloroethene	156-59-2	- -	- -	- -	- -	354	8,380	0.74j
trans-1,2-Dichloroethene	156-60-5	- -	- -	- -	- -	33.5j	246	069j
Tetrachloroethene (PCE)	127-18-4	n	1,390	5,840	17,500	***254,000***	***409,000***	56.4
Trichloroethene (TCE)	79-01-6	n	69.5	292	876	***3,520***	***14,700***	3.7
Vinyl chloride	75-01-4	c	55.9	929	2,790	29.9j	44.0j	<0.15

Notes:
Indoor Air Standards based on US EPA Vapor Intrusion Screening Levels (VISL) online calculator.
AF = Attenuation Factor
VAL = Vapor Action Level
VRSL = Vapor Risk Screening Level
< = Concentration Below Laboratory Detection Limit
- = Not Sampled/Collected
- - = No Standard/Not Applicable
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
c = carcinogen
n = non-carcinogen
Target Risk for Carcinogens = 1.00E-05
Target Hazard Quotient for Non-Carcinogens = 1

Italics	= Exceeds US EPA Residential VRSL
Bold	= Exceeds US EPA Small Commercial VRSL
Underlined	= Exceeds US EPA Large Commercial/Industrial VRSL

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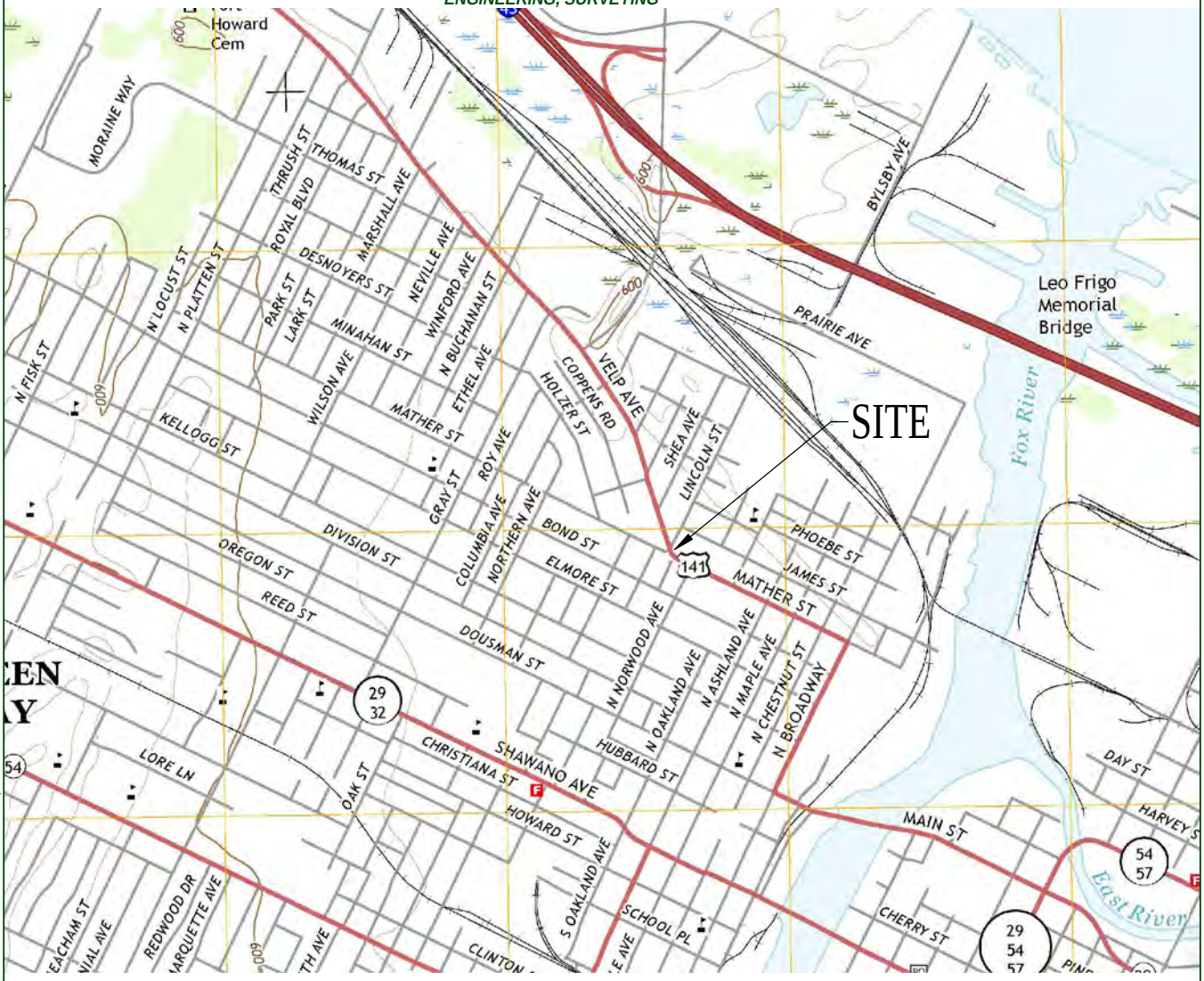


SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2

1000 500 0 METERS 1000 2000

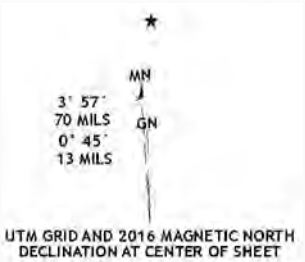
1 0.5 0 1

MILES

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988



UTM GRID AND 2016 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

GREEN BAY WEST QUADRANGLE
WISCONSIN-BROWN CO.
7.5-MINUTE SERIES

QUADRANGLE LOCATION

REI ENGINEERING, INC.

V&L STRIPPING (FORMER)
864 MATHER STREET
GREEN BAY, WISCONSIN 54303

N

FIGURE 1 : VICINITY MAP

PROJECT NO.	DRAWN BY:	DATE:
8318	MCM	9/10/2018

DRAWING FILE: P:\8300-8399\8318 - V&L STRIPPING\DWG\8318-VICN.DWG LAYOUT: VICN PLOTTED: JAN 10, 2022 - 2:21PM PLOTTED BY: NATHANP

RANDY'S MOBIL SERVICE CENTER
CLOSED LUST SITE
(BRRTS# 03-05-111777)

MW300 (RMSC)
SUMP1 (RMSC)
MW700 (RMSC)
MW800 (RMSC)
MWI100 (RMSC)
SUMP2 (RMSC)
MW900 (RMSC)
MW600 (RMSC)
MW600R
MWI200 (RMSC)
MWI000 (RMSC)
MW2100 (RMSC)

TW3100/B3100
B3400
TW3500/B3500
VP3600/B3600
B3300
FORMER REMEDIATION BUILDING
MW3200/B3200 (RMSC)
B3000
TWI100/BI100
MW200/B200 (RMSC)
TWI500 /BI500
MWI500
SVE-1
BI800
STORAGE
OFFICE
SHOP
VP-3
VP-2
VP-1
TW900
B900
B600
MW300 /B300 (RMSC)
BI200
BI900
CGPI
B2700
TWI400/BI400
B2800
B2600
B500
B2400
BI000
CGP5
SVE-3
MWI100/BI100 (RMSC)
CGP4
BI600
B2200
B2900
B700
CGP2
CGP3
SVE-2
SVE-4
MW400/B400
TW800/B800
PZI700
MW800/BI700
TWI300
VP3700/B3700
B2300
B2500
MW2000R
MW2000/B2000 (RMSC)

LEGEND

0 40
SCALE: 1" = 40'

- SOIL BORING (NORTHERN ENVIRONMENTAL - 2002)
- SUB-SLAB VAPOR PORT
- CONFIRMATION GEOPROBE BORING
- VAPOR MITIGATION SYSTEM
- TEMPORARY MONITORING WELL
- TEMPORARY MONITORING WELL (ABANDONED/DESTROYED)
- MONITORING WELL
- MONITORING WELL (ABANDONED/DESTROYED)
- PIEZOMETER
- SOIL VAPOR EXTRACTION WELL
- VAPOR PROBE
- SUMP
- SUMP (ABANDONED/DESTROYED)
- (RMSC) INSTALLED AS PART OF RANDY'S MOBIL SERVICE CENTER CLOSED LUST SITE (BRRTS# 03-05-111777)
- MANHOLE-SANITARY SEWER
- MANHOLE-STORM SEWER

NATURAL GAS LINE
WATER LINE
SANITARY SEWER LINE
STORM SEWER LINE
PROPERTY BOUNDARY (APPROXIMATE)

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V&L STRIPPING (FORMER)
864 MATHER STREET
GREEN BAY, WISCONSIN 54303

FIGURE 2 : DETAILED SITE MAP

PROJECT No.	DRAWN BY:	DATE:
8318	KDF	12/27/2021

DRAWING FILE: P:\8300-8399\8318 - V&L STRIPPING\DWG\8318-SITE.DWG LAYOUT: SITE PLOTTED: JAN 10, 2022 - 2:22PM PLOTTED BY: NATHANP

RANDY'S MOBIL SERVICE CENTER
CLOSED LUST SITE
(BRRTS# 03-05-111777)

MW300 (RMSC)
SUMP1 (RMSC)
MW700 (RMSC)
MW800 (RMSC)
MWI100 (RMSC)
SUMP2 (RMSC)
MW900 (RMSC)
MW600 (RMSC)
MW600R
MWI200 (RMSC)
MWI000 (RMSC)
MW2100 (RMSC)

TW3100/B3100
B3400
TW3500/B3500
VP3600/B3600
B3300
FORMER REMEDIATION BUILDING
MW3200/B3200 (RMSC)
B3000
TWI100/BI100
MW200/B200 (RMSC)
BI800
TWI500 /BI500
MWI500
SVE-1
STORAGE
OFFICE
SHOP
TW900
B900
B600
BI200
BI900
CGP1
B2700
MW300 /B300 (RMSC)
VP-2
TWI400/BI400
B2800
B500
B2400
BI000
CGP5
SVE-3
MWI00/BI00 (RMSC)
CGP4
BI600
B2200
B2600
B2900
B700
CGP2
CGP3
SVE-2
SVE-4
MW400/B400
VP3700/B3700
TW800/B800
PZI700
MW800/BI700
TWI300
B2300
B2500
MW2000R
MW2000/B2000 (RMSC)

N

REI Engineering, INC.

LEGEND

0 40
SCALE: 1" = 40'

- SOIL BORING (NORTHERN ENVIRONMENTAL - 2002)
- VAPOR MITIGATION SYSTEM
- RESIDUAL SOIL CONTAMINATION
- (RMSC) INSTALLED AS PART OF RANDY'S MOBIL SERVICE CENTER CLOSED LUST SITE (BRRTS# 03-05-111777)
- TEMPORARY MONITORING WELL (ABANDONED/DESTROYED)
- MONITORING WELL (ABANDONED/DESTROYED)
- MONITORING WELL
- PIEZOMETER
- TEMPORARY MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- VAPOR PROBE
- SUMP
- MANHOLE-SANITARY SEWER
- MANHOLE-STORM SEWER

NATURAL GAS LINE
WATER LINE
SANITARY SEWER LINE
STORM SEWER LINE
PROPERTY BOUNDARY (APPROXIMATE)

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

V&L STRIPPING (FORMER)
864 MATHER STREET
GREEN BAY, WISCONSIN 54303

FIGURE 3 : RESIDUAL SOIL CONTAMINATION (PCE)

PROJECT No.	DRAWN BY:	DATE:
8318	NAP	01/06/22

DRAWING FILE: P:\8300-8399\8318 - V&L STRIPPING\DWG\8318-RESIDUAL SOIL CONTAMINATION PCE.DWG LAYOUT: RSC PLOTTED: JAN 10, 2022 - 2:22PM PLOTTED BY: NATHANP

RANDY'S MOBIL SERVICE CENTER
CLOSED LUST SITE
(BRRTS# 03-05-111777)

MW300 (RMSC)
SUMP1 (RMSC)
MW700 (RMSC)
MW800 (RMSC)
MWI100 (RMSC)
SUMP2 (RMSC)
MW900 (RMSC)
MW600 586.49 (RMSC)
MW600R
MWI200 (RMSC)
MWI000 587.25 (RMSC)
MW2100 587.16 (RMSC)

TW3100/B3100
B3400
TW3500/B3500
VP3600/B3600
B3300
FORMER REMEDIATION BUILDING
MW3200/B3200 (RMSC)
B3000
TWI100/BI100
MW2000/B2000 587.48
TWI500 /BI500 587.4
MWI500
SVE-1
BI800
587.99
TW900
BI200
BI900
B900
CGP1
B2700
MW300 /B300 (RMSC)
B600
STORAGE
OFFICE
SHOP
B500
B2400
TWI400/BI400
B2800
VP-1
VP-2
VP-3
B2600
BI000
587.25
SVE-3
MWI00/BI00 (RMSC)
CGP4
BI600
B2200
B2900
B700
CGP2
CGP3
SVE-2
SVE-4
MW400/B400
VP3700/B3700
TW800/B800 587.56
PZI700
MW800/BI700
TWI300
B2300
B2500
588.43 MW2000R
MW2000/B2000 (RMSC)
587.25
587.5
587.75
588
587
586.75

LEGEND

SCALE: 1" = 40'

- VAPOR MITIGATION SYSTEM
- (RMSC) INSTALLED AS PART OF RANDY'S MOBIL SERVICE CENTER CLOSED LUST SITE (BRRTS# 03-05-111777)
- TEMPORARY MONITORING WELL (ABANDONED/DESTROYED)
- MONITORING WELL (ABANDONED/DESTROYED)
- MONITORING WELL
- PIEZOMETER
- TEMPORARY MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- VAPOR PROBE
- SUMP
- MANHOLE-SANITARY SEWER
- MANHOLE-STORM SEWER
- NATURAL GAS LINE
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- PROPERTY BOUNDARY (APPROXIMATE)

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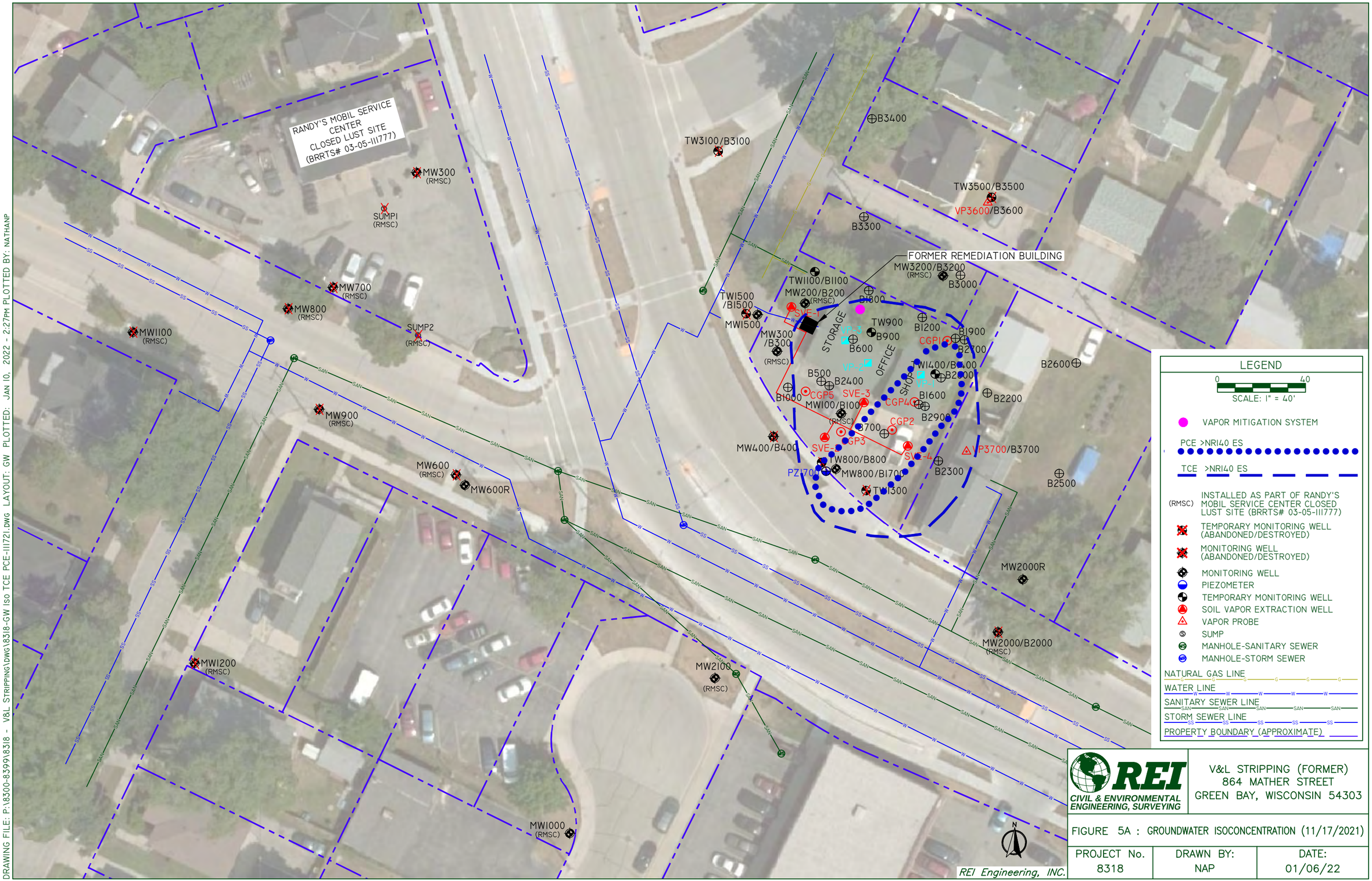
FIGURE 4 : GROUNDWATER FLOW (08/31/2021)

PROJECT No.	DRAWN BY:	DATE:
8318	NAP	01/06/22

DRAWING FILE: P:\8300-8399\8318 - V&L STRIPPING\DWG\8318-GW FLOW-083121.DWG LAYOUT: GW PLOTTED: JAN 10, 2022 - 2:24PM PLOTTED BY: NATHANP



LEGEND

0 40

SCALE: 1" = 40'

- VAPOR MITIGATION SYSTEM
- PCE >NRI40 ES
- TCE >NRI40 ES
- (RMSC) INSTALLED AS PART OF RANDY'S MOBIL SERVICE CENTER CLOSED LUST SITE (BRRTS# 03-05-111777)
- TEMPORARY MONITORING WELL (ABANDONED/DESTROYED)
- MONITORING WELL (ABANDONED/DESTROYED)
- MONITORING WELL
- PIEZOMETER
- TEMPORARY MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- VAPOR PROBE
- SUMP
- MANHOLE-SANITARY SEWER
- MANHOLE-STORM SEWER
- NATURAL GAS LINE
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- PROPERTY BOUNDARY (APPROXIMATE)

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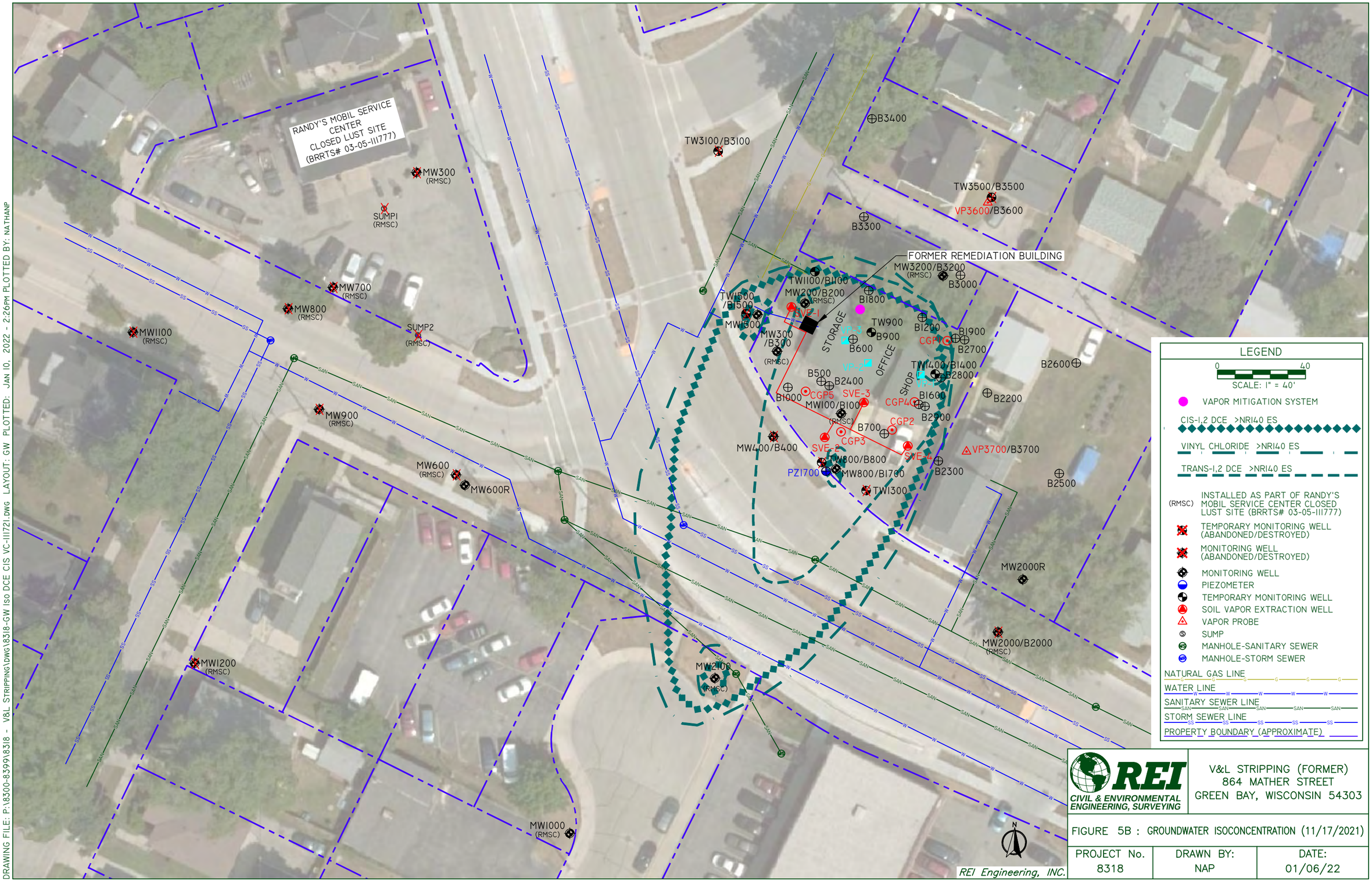
V&L STRIPPING (FORMER)
864 MATHER STREET
GREEN BAY, WISCONSIN 54303

FIGURE 5A : GROUNDWATER ISOCONCENTRATION (11/17/2021)

PROJECT No.	DRAWN BY:	DATE:
8318	NAP	01/06/22

DRAWING FILE: P:\8300-8399\8318 - V&L STRIPPING\DWG\8318-GW ISO TCE PCE-111721.DWG LAYOUT: GW PLOTTED: JAN 10, 2022 - 2:27PM PLOTTED BY: NATHANP



LEGEND

0 40
SCALE: 1" = 40'

- VAPOR MITIGATION SYSTEM
- CIS-1,2 DCE >NR140 ES
- VINYL CHLORIDE >NR140 ES
- TRANS-1,2 DCE >NR140 ES
- (RMSC) INSTALLED AS PART OF RANDY'S MOBIL SERVICE CENTER CLOSED LUST SITE (BRRTS# 03-05-111777)
- TEMPORARY MONITORING WELL (ABANDONED/DESTROYED)
- MONITORING WELL (ABANDONED/DESTROYED)
- MONITORING WELL
- PIEZOMETER
- TEMPORARY MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- VAPOR PROBE
- SUMP
- MANHOLE-SANITARY SEWER
- MANHOLE-STORM SEWER
- NATURAL GAS LINE
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- PROPERTY BOUNDARY (APPROXIMATE)

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V&L STRIPPING (FORMER)
864 MATHER STREET
GREEN BAY, WISCONSIN 54303

FIGURE 5B : GROUNDWATER ISOCONCENTRATION (11/17/2021)

PROJECT No.	DRAWN BY:	DATE:
8318	NAP	01/06/22

DRAWING FILE: P:\8300-8399\8318 - V&L STRIPPING\DWG\8318-GW ISO DCE CIS VC-111721.DWG LAYOUT: GW PLOTTED: JAN 10, 2022 - 2:26PM PLOTTED BY: NATHANP

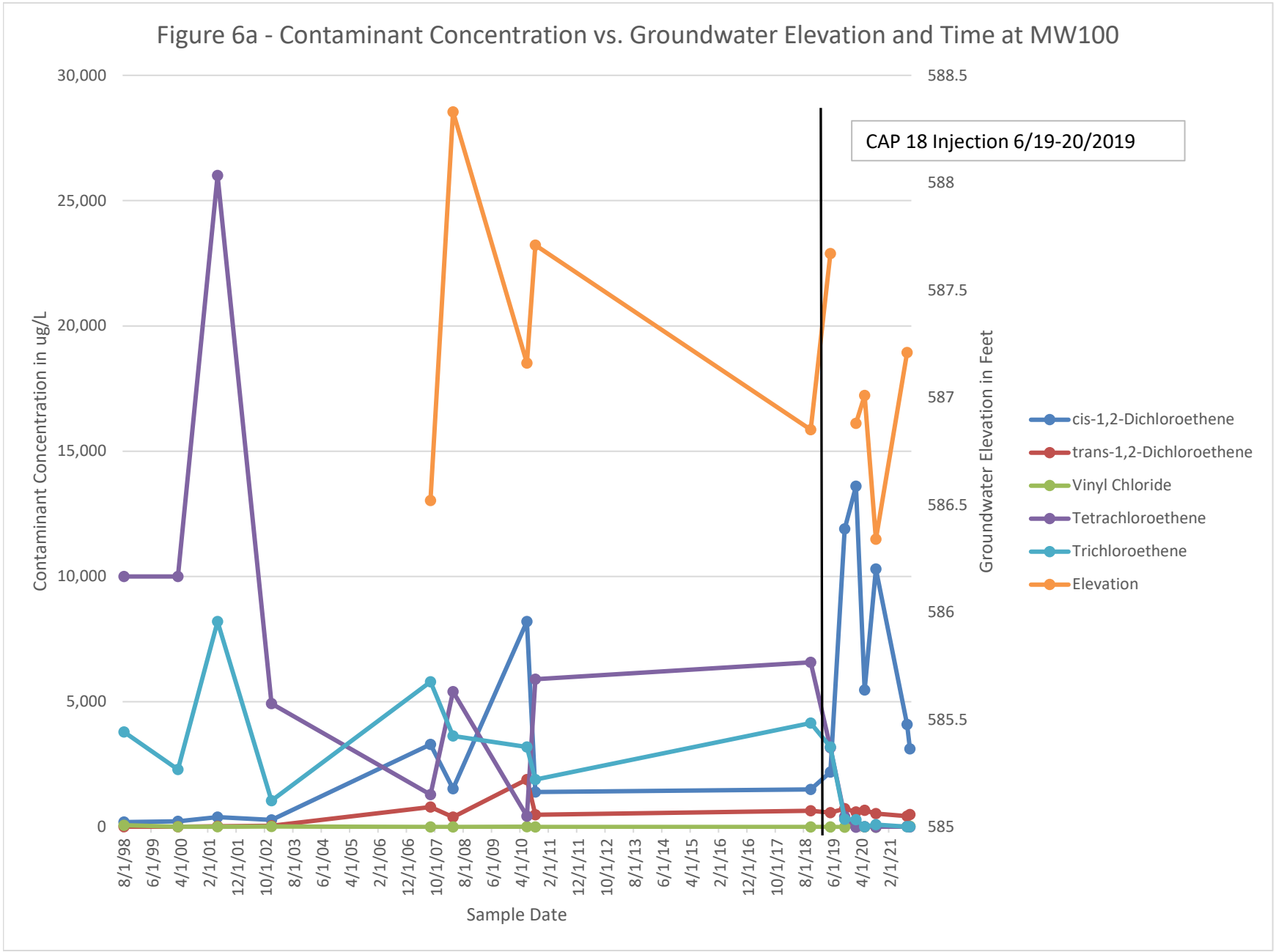
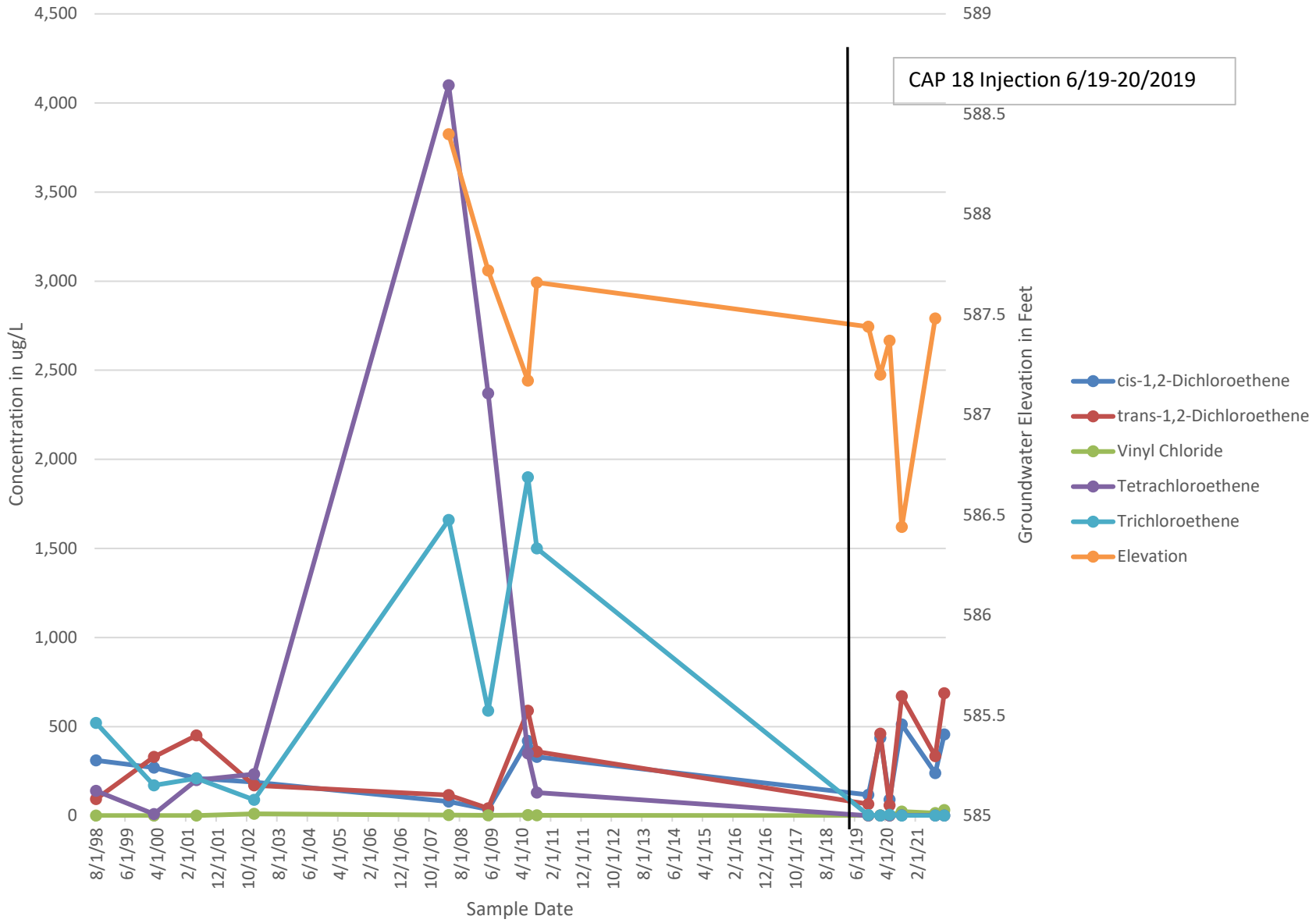


Figure 6a - Contaminant Concentration vs. Groundwater Elevation and Time at MW100
CAP 18 Injection 6/19-20/2019
Contaminant Concentration in ug/L
Groundwater Elevation in Feet
Sample Date
30,000
25,000
20,000
15,000
10,000
5,000
0
588.5
588
587.5
587
586.5
586
585.5
585
8/1/98
6/1/99
4/1/00
2/1/01
12/1/01
10/1/02
8/1/03
6/1/04
4/1/05
2/1/06
12/1/06
10/1/07
8/1/08
6/1/09
4/1/10
2/1/11
12/1/11
10/1/12
8/1/13
6/1/14
4/1/15
2/1/16
12/1/16
10/1/17
8/1/18
6/1/19
4/1/20
2/1/21
cis-1,2-Dichloroethene
trans-1,2-Dichloroethene
Vinyl Chloride
Tetrachloroethene
Trichloroethene
Elevation

Figure 6b - Contaminant Concentration vs. Groundwaer Elevation and Time at MW200



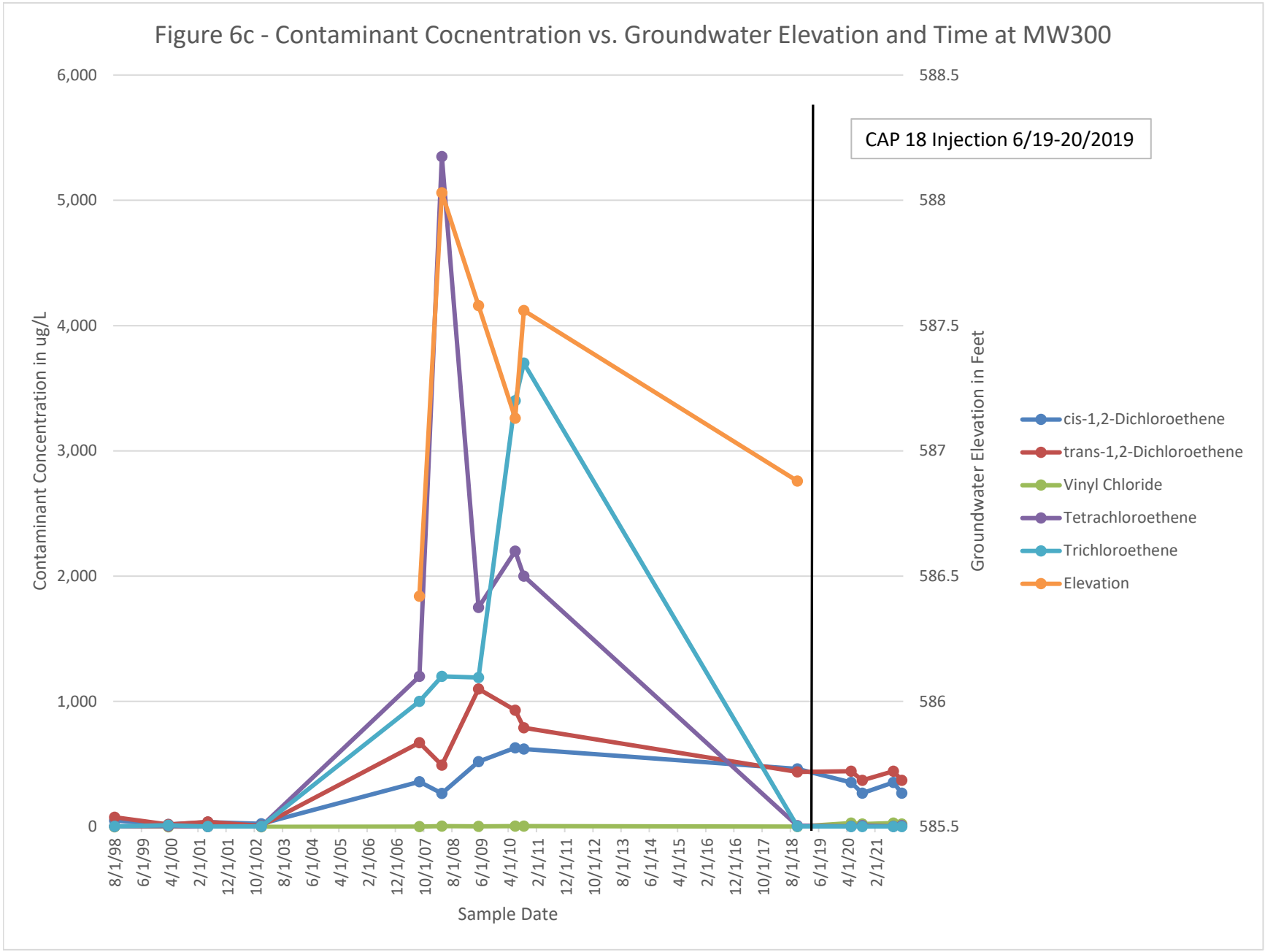
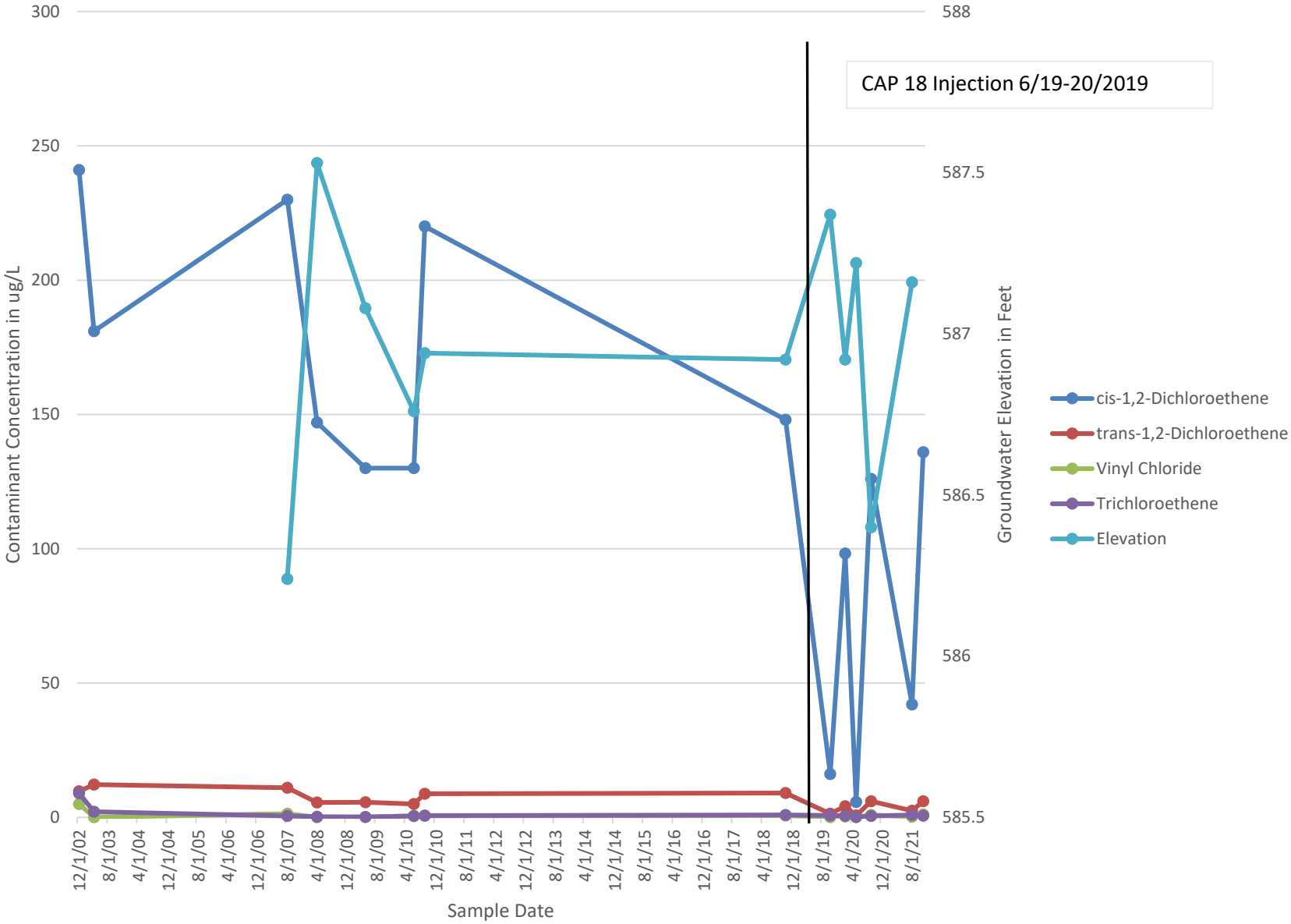


Figure 6c - Contaminant Cocnentration vs. Groundwater Elevation and Time at MW300
CAP 18 Injection 6/19-20/2019
Contaminant Concentration in ug/L
Groundwater Elevation in Feet
Sample Date
6,000
5,000
4,000
3,000
2,000
1,000
0
588.5
588
587.5
587
586.5
586
585.5
8/1/98
6/1/99
4/1/00
2/1/01
12/1/01
10/1/02
8/1/03
6/1/04
4/1/05
2/1/06
12/1/06
10/1/07
8/1/08
6/1/09
4/1/10
2/1/11
12/1/11
10/1/12
8/1/13
6/1/14
4/1/15
2/1/16
12/1/16
10/1/17
8/1/18
6/1/19
4/1/20
2/1/21
cis-1,2-Dichloroethene
trans-1,2-Dichloroethene
Vinyl Chloride
Tetrachloroethene
Trichloroethene
Elevation

Figure 6d - Contaminant Concentration vs. Groundwater Elevation and Time at MW2100



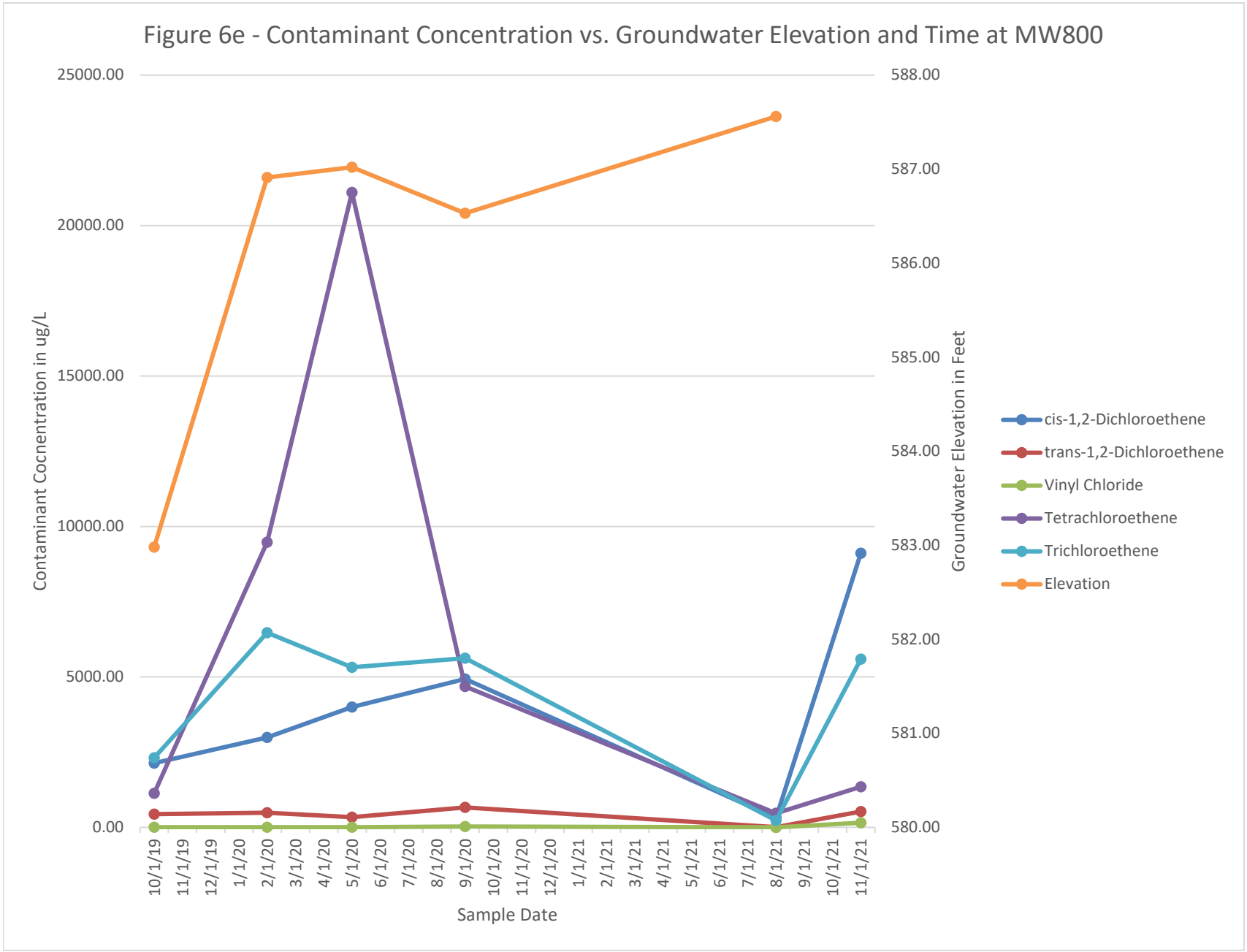


Figure 6e - Contaminant Concentration vs. Groundwater Elevation and Time at MW800
Contaminant Cocnentration in ug/L
Groundwater Elevation in Feet
Sample Date
25000.00
20000.00
15000.00
10000.00
5000.00
0.00
588.00
587.00
586.00
585.00
584.00
583.00
582.00
581.00
580.00
10/1/19
11/1/19
12/1/19
1/1/20
2/1/20
3/1/20
4/1/20
5/1/20
6/1/20
7/1/20
8/1/20
9/1/20
10/1/20
11/1/20
12/1/20
1/1/21
2/1/21
3/1/21
4/1/21
5/1/21
6/1/21
7/1/21
8/1/21
9/1/21
10/1/21
11/1/21
cis-1,2-Dichloroethene
trans-1,2-Dichloroethene
Vinyl Chloride
Tetrachloroethene
Trichloroethene
Elevation

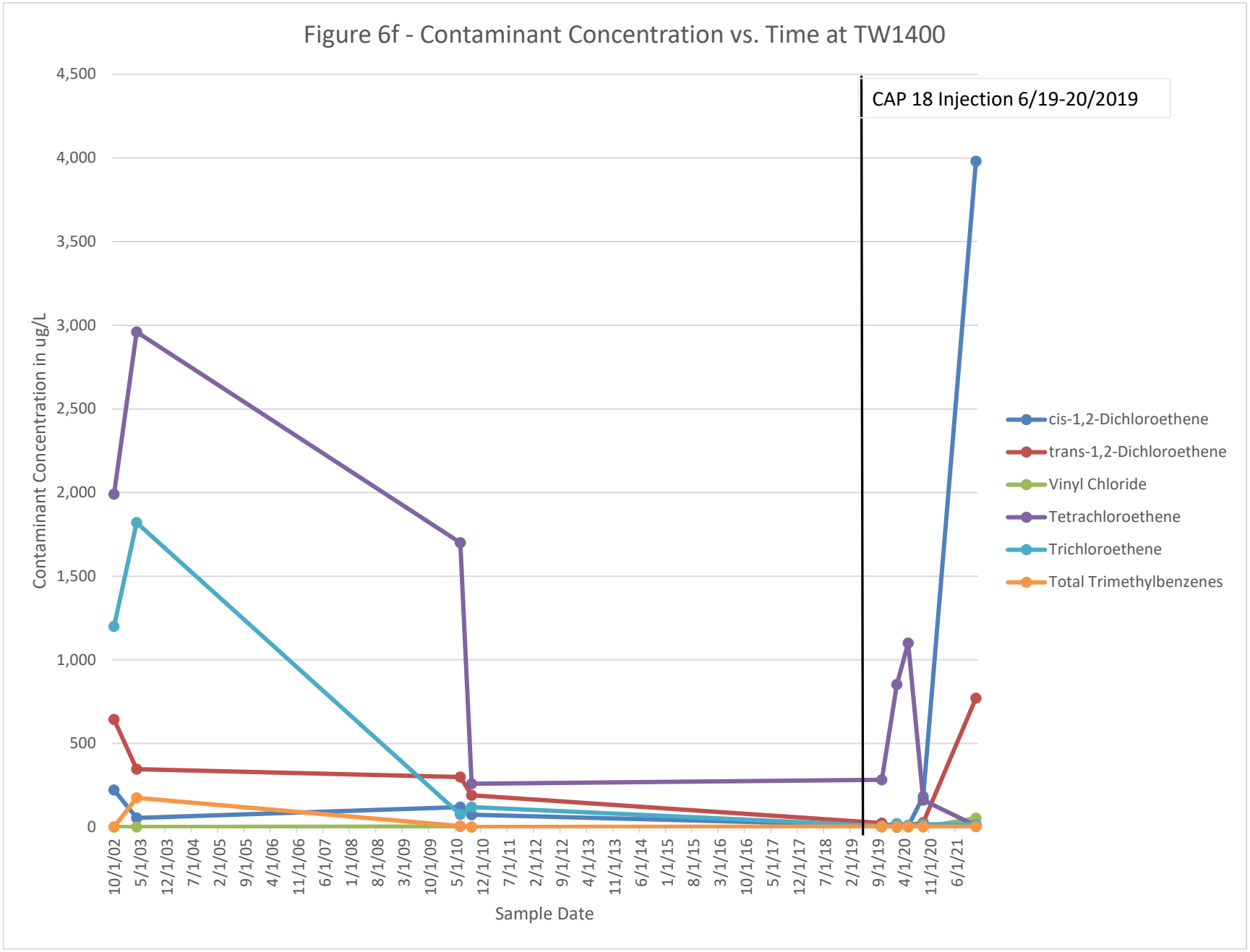
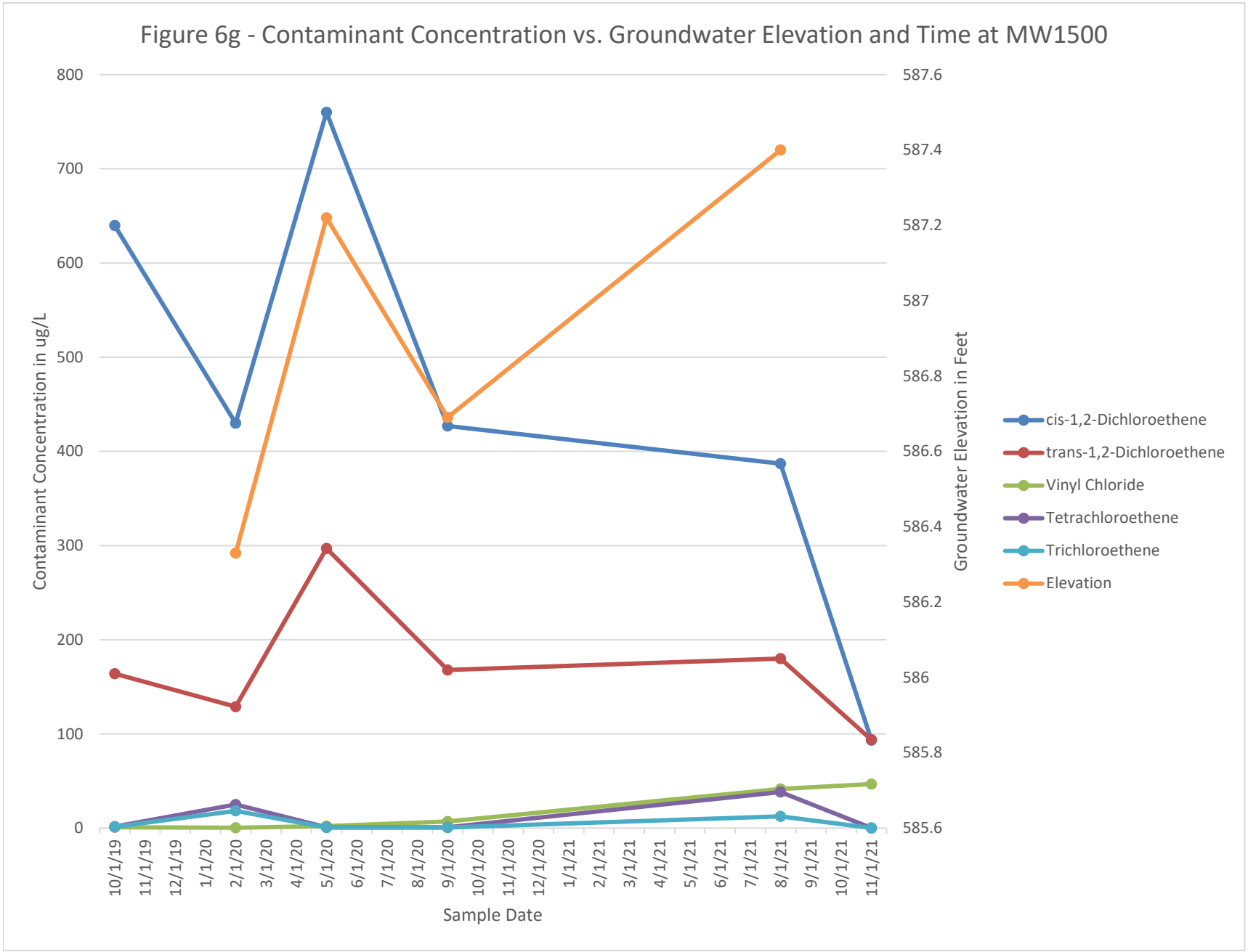


Figure 6f - Contaminant Concentration vs. Time at TW1400
CAP 18 Injection 6/19-20/2019
Contaminant Concentration in ug/L
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
10/1/02
5/1/03
12/1/03
7/1/04
2/1/05
9/1/05
4/1/06
11/1/06
6/1/07
1/1/08
8/1/08
3/1/09
10/1/09
5/1/10
12/1/10
7/1/11
2/1/12
9/1/12
4/1/13
11/1/13
6/1/14
1/1/15
8/1/15
3/1/16
10/1/16
5/1/17
12/1/17
7/1/18
2/1/19
9/1/19
4/1/20
11/1/20
6/1/21
Sample Date
cis-1,2-Dichloroethene
trans-1,2-Dichloroethene
Vinyl Chloride
Tetrachloroethene
Trichloroethene
Total Trimethylbenzenes

Figure 6g - Contaminant Concentration vs. Groundwater Elevation and Time at MW1500



ATTACHMENT A

SOIL BORING LOGS AND ABANDONMENT FORMS

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Route To: **Watershed/Wastewater** ☐ **Waste Management** ☐
Remediation/Redevelopment ☑ **Other** ☐

Facility/Project Name	**License/Permit/Monitoring Number**	**Boring Number**
Former V&L Stripping		CGP1

Boring Drilled By: Name of crew chief (first, last) and Firm	**Date Drilling Started**	**Date Drilling Completed**	**Drilling Method**
Travis - Geiss Soil & Samples	10/26/21	10/26/21	Geoprobe

WI Unique Well No.	**DNR Well ID No.**	**Common Well Name**	**Final Static Water Level**	**Surface Elevation**	**Borehole Diameter**
				590	3

Local Grid Orgin ☐ **(estimated)** ☐ **or Boring Location** ☒ CGP1 **Lat** **Local Grid Location** **N** ☐ **E** ☐
State Plane **Long** **S** ☐ **W** ☐

Facility ID	**County**	**County Code**	**Civil Town/City/or Village**
	Brown	05	City of Green Bay

Sample Number	Type	Length Att. & Recovered (in)	**Blow Counts**	**Depth In Feet**	**Soil/ Rock Description And Geologic Origin For Each Major Unit**	**U.S.C.S.**	**Graphic**	**Well**	**PID/FID**	**Soil Properties** Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	**RQD/ Comments**
				1	**Grass**						M				
					Topsoil Dark Brown silty sand	SM									
1	SS	16		2	**Sand** Brown, fine grained				3						
2	SS	16		3		SP			106						
3	SS	16		4					6		M-W				
				5	**End of Boring @ 8 Feet BLS**										
				6											
				7											
				8											
				9											

I herby certify that the information on this form is true and the correct to the best of my knowledge

Signature	**Firm**
	**REI Engineering, Inc.** 4080 North 20th Avenue, Wausau, WI

This form is authorized by Chapters 281,283,289,292,293,295, and 299, Wis. Stats. Completion of thes form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

■ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ■ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Brown	_ _ _ _ _ _	CGP1

Latitude / Longitude (see instructions) _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			N	☐ E ☐ W

Well Street Address: 864 Mather Street

Well City, Village or Town	Well ZIP Code
Green BauY	54303

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Sampling complete	_ _ _ _ _ _

2. Facility / Owner Information

Facility Name: Former V&L Stripping
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner: Ken Juza
Mailing Address of Present Owner: 1478 Norfield Road

City of Present Owner	State	ZIP Code
Suamico	WI	54173

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
■ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 10/26/21
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
■ Other (specify): Direct Push - Geoprobe

Formation Type:
■ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
8	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☐ No ■ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	Not Encountered

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	■ N/A
Liner(s) removed?	☐ Yes	☐ No	■ N/A
Liner(s) perforated?	☐ Yes	☐ No	■ N/A
Screen removed?	☐ Yes	☐ No	■ N/A
Casing left in place?	☐ Yes	☐ No	■ N/A
Was casing cut off below surface?	☐ Yes	☐ No	■ N/A
Did sealing material rise to surface?	■ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	■ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	■ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	■ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
■ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ■ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
■ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Holeplug Bentonite	Surface	8	1/4 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Travis Dallman - Geiss Soil & Samples (		10/26/21

Street or Route	Telephone Number
4080 North 20th Avenue	(715) 675-9784

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401		1/6/22

DNR Use Only

Date Received	Noted By

Comments:

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Route To: **Watershed/Wastewater** ☐ **Waste Management** ☐
Remediation/Redevelopment ☑ **Other** ☐

Facility/Project Name Former V&L Stripping	**License/Permit/Monitoring Number**	**Boring Number** CGP2

Boring Drilled By: Name of crew chief (first, last) and Firm	**Date Drilling Started**	**Date Drilling Completed**	**Drilling Method**
Travis - Geiss Soil & Samples	10/26/21	10/26/21	Geoprobe

WI Unique Well No.	**DNR Well ID No.**	**Common Well Name**	**Final Static Water Level**	**Surface Elevation**	**Borehole Diameter**
				590	3

GP2

Local Grid Orgin ☐ **(estimated)** ☐ **or Boring Location** ☒GP2	**Lat**	**Local Grid Location**
State Plane	**Long**	**N** ☐ **E** ☐ **S** ☐ **W** ☐

Facility ID	**County** Brown	**County Code** 05	**Civil Town/City/or Village** City of Green Bay

Sample Number	Sample Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
				1	**Blacktop** **Sand** Dark brown, fine grained	SP					M				
1	SS	18		3	**Sand** Brown, fine grained				0						
2	SS	24		5		SP			2						
3	SS	24		7					1		M-W				
				8	**End of Boring @ 8 Feet BLS**										
				9											

I herby certify that the information on this form is true and the correct to the best of my knowledge

Signature	**Firm**	**REI Engineering, Inc.** 4080 North 20th Avenue, Wausau, WI

This form is authorized by Chapters 281,283,289,292,293,295, and 299, Wis. Stats. Completion of thes form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

■ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ■ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Brown	_ _ _ _ _ _	CGP2

Latitude / Longitude (see instructions) _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			N	☐ E ☐ W

Well Street Address: 864 Mather Street

Well City, Village or Town	Well ZIP Code
Green BauY	54303

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Sampling complete	_ _ _ _ _ _

2. Facility / Owner Information

Facility Name: Former V&L Stripping
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner: Ken Juza
Mailing Address of Present Owner: 1478 Norfield Road

City of Present Owner	State	ZIP Code
Suamico	WI	54173

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
■ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 10/26/21
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
■ Other (specify): Direct Push - Geoprobe

Formation Type:
■ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
8	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☐ No ■ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	Not Encountered

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	■ N/A
Liner(s) removed?	☐ Yes	☐ No	■ N/A
Liner(s) perforated?	☐ Yes	☐ No	■ N/A
Screen removed?	☐ Yes	☐ No	■ N/A
Casing left in place?	☐ Yes	☐ No	■ N/A
Was casing cut off below surface?	☐ Yes	☐ No	■ N/A
Did sealing material rise to surface?	■ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	■ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	■ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	■ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
■ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ■ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
■ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Holeplug Bentonite	Surface	8	1/4 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Travis Dallman - Geiss Soil & Samples (		10/26/21

Street or Route	Telephone Number
4080 North 20th Avenue	(715) 675-9784

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401		1/6/22

DNR Use Only

Date Received	Noted By
Comments	

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Route To: **Watershed/Wastewater** ☐ **Waste Management** ☐
Remediation/Redevelopment ☑ **Other** ☐

Facility/Project Name	**License/Permit/Monitoring Number**	**Boring Number**
Former V&L Stripping		CGP3

Boring Drilled By: Name of crew chief (first, last) and Firm	**Date Drilling Started**	**Date Drilling Completed**	**Drilling Method**
Travis - Geiss Soil & Samples	10/26/21	10/26/21	Geoprobe

WI Unique Well No.	**DNR Well ID No.**	**Common Well Name**	**Final Static Water Level**	**Surface Elevation**	**Borehole Diameter**
				590	3

Local Grid Orgin ☐ **(estimated)** ☐ **or Boring Location** ☒ CGP3
State Plane
Lat
Long
Local Grid Location **N** ☐ **E** ☐ **S** ☐ **W** ☐

Facility ID	**County**	**County Code**	**Civil Town/City/or Village**
	Brown	05	City of Green Bay

Sample Number	Sample Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
				1	**Blacktop** **Sand** Dark brown, silty	SM					M				
1	SS	16		3	**Sand** Brown, fine grained				0						
2	SS	16		5		SP			0						
3	SS	16		7					46		M-W				
				8	**End of Boring @ 8 Feet BLS**										
				9											

I herby certify that the information on this form is true and the correct to the best of my knowledge

Signature	**Firm**
	REI Engineering, Inc. 4080 North 20th Avenue, Wausau, WI

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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■ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ■ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Brown	_ _ _ _ _ _	CGP3

Latitude / Longitude (see instructions) _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			N	☐ E ☐ W

Well Street Address: 864 Mather Street

Well City, Village or Town	Well ZIP Code
Green BauY	54303

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Sampling complete	_ _ _ _ _ _

2. Facility / Owner Information

Facility Name: Former V&L Stripping
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner: Ken Juza
Mailing Address of Present Owner: 1478 Norfield Road

City of Present Owner	State	ZIP Code
Suamico	WI	54173

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
■ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 10/26/21
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
■ Other (specify): Direct Push - Geoprobe

Formation Type:
■ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
8	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☐ No ■ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	Not Encountered

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	■ N/A
Liner(s) removed?	☐ Yes	☐ No	■ N/A
Liner(s) perforated?	☐ Yes	☐ No	■ N/A
Screen removed?	☐ Yes	☐ No	■ N/A
Casing left in place?	☐ Yes	☐ No	■ N/A
Was casing cut off below surface?	☐ Yes	☐ No	■ N/A
Did sealing material rise to surface?	■ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	■ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	■ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	■ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
■ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ■ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
■ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Holeplug Bentonite	Surface	8	1/4 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Travis Dallman - Geiss Soil & Samples (		10/26/21

Street or Route	Telephone Number
4080 North 20th Avenue	(715) 675-9784

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401		1/6/22

DNR Use Only

Date Received	Noted By

Comments:

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Route To: **Watershed/Wastewater** ☐ **Waste Management** ☐
Remediation/Redevelopment ☑ **Other** ☐

Facility/Project Name Former V&L Stripping	**License/Permit/Monitoring Number**	**Boring Number** CGP4

Boring Drilled By: Name of crew chief (first, last) and Firm	**Date Drilling Started**	**Date Drilling Completed**	**Drilling Method**
Travis - Geiss Soil & Samples	10/26/21	10/26/21	Geoprobe

WI Unique Well No.	**DNR Well ID No.**	**Common Well Name**	**Final Static Water Level**	**Surface Elevation**	**Borehole Diameter**
				590	3

GP4

Local Grid Orgin ☐ **(estimated)** ☐ **or Boring Location** ☒GP4	**Lat**	**Local Grid Location**
State Plane	**Long**	**N** ☐ **E** ☐ **S** ☐ **W** ☐

Facility ID	**County** Brown	**County Code** 05	**Civil Town/City/or Village** City of Green Bay

Sample Number	Sample Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				0	**Concrete**						M				
				1	**Sand** Dark brown, silty	SM									
1	SS	14		2	**Sand** Brown, fine grained				24						
2	SS	18		4		SP			3						
3	SS	18		6					15						
				8	**End of Boring @ 8 Feet BLS**						M-W				
				9											

I herby certify that the information on this form is true and the correct to the best of my knowledge

Signature	**Firm**	**REI Engineering, Inc.** 4080 North 20th Avenue, Wausau, WI

This form is authorized by Chapters 281,283,289,292,293,295, and 299, Wis. Stats. Completion of thes form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

■ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ■ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Brown	_ _ _ _ _ _	CGP4

Latitude / Longitude (see instructions) ____ N ____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			N	☐ E ☐ W

Well Street Address: 864 Mather Street

Well City, Village or Town	Well ZIP Code
Green BauY	54303

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Sampling complete	_ _ _ _ _ _

2. Facility / Owner Information

Facility Name: Former V&L Stripping
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner: Ken Juza
Mailing Address of Present Owner: 1478 Norfield Road

City of Present Owner	State	ZIP Code
Suamico	WI	54173

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
■ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 10/26/21
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
■ Other (specify): Direct Push - Geoprobe

Formation Type:
■ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
8	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☐ No ■ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	Not Encountered

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	■ N/A
Liner(s) removed?	☐ Yes	☐ No	■ N/A
Liner(s) perforated?	☐ Yes	☐ No	■ N/A
Screen removed?	☐ Yes	☐ No	■ N/A
Casing left in place?	☐ Yes	☐ No	■ N/A
Was casing cut off below surface?	☐ Yes	☐ No	■ N/A
Did sealing material rise to surface?	■ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	■ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	■ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	■ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
■ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ■ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
■ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Holeplug Bentonite	Surface	8	1/4 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Travis Dallman - Geiss Soil & Samples (		10/26/21

Street or Route	Telephone Number
4080 North 20th Avenue	(715) 675-9784

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401		1/6/22

DNR Use Only

Date Received	Noted By

Comments:

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Route To: **Watershed/Wastewater** ☐ **Waste Management** ☐
Remediation/Redevelopment ☑ **Other** ☐

Facility/Project Name	**License/Permit/Monitoring Number**	**Boring Number**
Former V&L Stripping		CGP5

Boring Drilled By: Name of crew chief (first, last) and Firm	**Date Drilling Started**	**Date Drilling Completed**	**Drilling Method**
Travis - Geiss Soil & Samples	10/26/21	10/26/21	Geoprobe

WI Unique Well No.	**DNR Well ID No.**	**Common Well Name**	**Final Static Water Level**	**Surface Elevation**	**Borehole Diameter**
				590	3

GP5

Local Grid Orgin ☐ **(estimated)** ☐ **or Boring Location** ☒GP5
State Plane
Lat
Long
Local Grid Location **N** ☐ **E** ☐ **S** ☐ **W** ☐

Facility ID	**County**	**County Code**	**Civil Town/City/or Village**
	Brown	05	City of Green Bay

Sample Number	Sample Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
				0	**Blacktop**						M				
					Sand Dark brown, silty										
				1		SM									
1	SS	12		2	**Sand** Brown, fine grained				0						
2	SS	20		3		SP			0						
3	SS	20		4					0						
				5											
				6											
				7							M-W				
				8	**End of Boring @ 8 Feet BLS**										
				9											

I herby certify that the information on this form is true and the correct to the best of my knowledge

Signature	**Firm**	**REI Engineering, Inc.** 4080 North 20th Avenue, Wausau, WI

This form is authorized by Chapters 281,283,289,292,293,295, and 299, Wis. Stats. Completion of thes form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

■ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ■ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Brown	_ _ _ _ _ _	CGP5

Latitude / Longitude (see instructions) _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			N	☐ E ☐ W

Well Street Address: 864 Mather Street

Well City, Village or Town	Well ZIP Code
Green BauY	54303

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Sampling complete	_ _ _ _ _ _

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
■ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 10/26/21

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
■ Other (specify): Direct Push - Geoprobe

Formation Type:
■ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
8	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☐ No ■ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	Not Encountered

2. Facility / Owner Information

Facility Name: Former V&L Stripping
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner: Ken Juza
Mailing Address of Present Owner: 1478 Norfield Road

City of Present Owner	State	ZIP Code
Suamico	WI	54173

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	■ N/A
Liner(s) removed?	☐ Yes	☐ No	■ N/A
Liner(s) perforated?	☐ Yes	☐ No	■ N/A
Screen removed?	☐ Yes	☐ No	■ N/A
Casing left in place?	☐ Yes	☐ No	■ N/A
Was casing cut off below surface?	☐ Yes	☐ No	■ N/A
Did sealing material rise to surface?	■ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	■ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	■ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	■ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
■ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ■ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
■ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Holeplug Bentonite	Surface	8	1/4 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Travis Dallman - Geiss Soil & Samples (		10/26/21

Street or Route	Telephone Number
4080 North 20th Avenue	(715) 675-9784

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401		1/6/22

DNR Use Only

Date Received	Noted By

Comments:

ATTACHMENT B

LABORATORY ANALYTICAL REPORTS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

November 05, 2021

Andy Delforge
REI
4080 North 20th Avenue
Wausau, WI 54401

RE: Project: 8318 V+L STRIPPING
Pace Project No.: 40235795

Dear Andy Delforge:

Enclosed are the analytical results for sample(s) received by the laboratory on October 26, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,

Brian Basten
brian.basten@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Kaylin Felix, REI

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 8318 V+L STRIPPING
Pace Project No.: 40235795

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 8318 V+L STRIPPING
Pace Project No.: 40235795

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40235795001	**CGP1, 4-6'**	Solid	10/26/21 08:44	10/26/21 13:12
40235795002	**CGP2, 4-6'**	Solid	10/26/21 09:09	10/26/21 13:12
40235795003	**CGP3, 4-6'**	Solid	10/26/21 09:24	10/26/21 13:12
40235795004	**CGP4, 2-4'**	Solid	10/26/21 09:46	10/26/21 13:12
40235795005	**CGP5, 2-4'**	Solid	10/26/21 10:10	10/26/21 13:12

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 8318 V+L STRIPPING
Pace Project No.: 40235795

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40235795001	**CGP1, 4-6'**	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40235795002	**CGP2, 4-6'**	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40235795003	**CGP3, 4-6'**	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40235795004	**CGP4, 2-4'**	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40235795005	**CGP5, 2-4'**	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	AH	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40235795

Sample: CGP1, 4-6' **Lab ID: 40235795001** Collected: 10/26/21 08:44 Received: 10/26/21 13:12 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<63.3**	ug/kg	106	63.3	4	10/29/21 09:00	11/02/21 04:38	71-43-2	
Bromobenzene	**<104**	ug/kg	266	104	4	10/29/21 09:00	11/02/21 04:38	108-86-1	
Bromochloromethane	**<72.8**	ug/kg	266	72.8	4	10/29/21 09:00	11/02/21 04:38	74-97-5	
Bromodichloromethane	**<63.3**	ug/kg	266	63.3	4	10/29/21 09:00	11/02/21 04:38	75-27-4	
Bromoform	**<1170**	ug/kg	1330	1170	4	10/29/21 09:00	11/02/21 04:38	75-25-2	
Bromomethane	**<373**	ug/kg	1330	373	4	10/29/21 09:00	11/02/21 04:38	74-83-9	
n-Butylbenzene	**<122**	ug/kg	266	122	4	10/29/21 09:00	11/02/21 04:38	104-51-8	
sec-Butylbenzene	**<64.9**	ug/kg	266	64.9	4	10/29/21 09:00	11/02/21 04:38	135-98-8	
tert-Butylbenzene	**<83.5**	ug/kg	266	83.5	4	10/29/21 09:00	11/02/21 04:38	98-06-6	
Carbon tetrachloride	**<58.5**	ug/kg	266	58.5	4	10/29/21 09:00	11/02/21 04:38	56-23-5	
Chlorobenzene	**<31.8**	ug/kg	266	31.8	4	10/29/21 09:00	11/02/21 04:38	108-90-7	
Chloroethane	**<112**	ug/kg	1330	112	4	10/29/21 09:00	11/02/21 04:38	75-00-3	
Chloroform	**<190**	ug/kg	1330	190	4	10/29/21 09:00	11/02/21 04:38	67-66-3	
Chloromethane	**<101**	ug/kg	266	101	4	10/29/21 09:00	11/02/21 04:38	74-87-3	
2-Chlorotoluene	**<86.1**	ug/kg	266	86.1	4	10/29/21 09:00	11/02/21 04:38	95-49-8	
4-Chlorotoluene	**<101**	ug/kg	266	101	4	10/29/21 09:00	11/02/21 04:38	106-43-4	
1,2-Dibromo-3-chloropropane	**<206**	ug/kg	1330	206	4	10/29/21 09:00	11/02/21 04:38	96-12-8	
Dibromochloromethane	**<909**	ug/kg	1330	909	4	10/29/21 09:00	11/02/21 04:38	124-48-1	
1,2-Dibromoethane (EDB)	**<72.8**	ug/kg	266	72.8	4	10/29/21 09:00	11/02/21 04:38	106-93-4	
Dibromomethane	**<78.7**	ug/kg	266	78.7	4	10/29/21 09:00	11/02/21 04:38	74-95-3	
1,2-Dichlorobenzene	**<82.4**	ug/kg	266	82.4	4	10/29/21 09:00	11/02/21 04:38	95-50-1	
1,3-Dichlorobenzene	**<72.8**	ug/kg	266	72.8	4	10/29/21 09:00	11/02/21 04:38	541-73-1	
1,4-Dichlorobenzene	**<72.8**	ug/kg	266	72.8	4	10/29/21 09:00	11/02/21 04:38	106-46-7	
Dichlorodifluoromethane	**<114**	ug/kg	266	114	4	10/29/21 09:00	11/02/21 04:38	75-71-8	
1,1-Dichloroethane	**<68.1**	ug/kg	266	68.1	4	10/29/21 09:00	11/02/21 04:38	75-34-3	
1,2-Dichloroethane	**<61.1**	ug/kg	266	61.1	4	10/29/21 09:00	11/02/21 04:38	107-06-2	
1,1-Dichloroethene	**<88.3**	ug/kg	266	88.3	4	10/29/21 09:00	11/02/21 04:38	75-35-4	
cis-1,2-Dichloroethene	**<56.9**	ug/kg	266	56.9	4	10/29/21 09:00	11/02/21 04:38	156-59-2	
trans-1,2-Dichloroethene	**<57.4**	ug/kg	266	57.4	4	10/29/21 09:00	11/02/21 04:38	156-60-5	
1,2-Dichloropropane	**<63.3**	ug/kg	266	63.3	4	10/29/21 09:00	11/02/21 04:38	78-87-5	
1,3-Dichloropropane	**<58.0**	ug/kg	266	58.0	4	10/29/21 09:00	11/02/21 04:38	142-28-9	
2,2-Dichloropropane	**<71.8**	ug/kg	266	71.8	4	10/29/21 09:00	11/02/21 04:38	594-20-7	
1,1-Dichloropropene	**<86.1**	ug/kg	266	86.1	4	10/29/21 09:00	11/02/21 04:38	563-58-6	
cis-1,3-Dichloropropene	**<175**	ug/kg	1330	175	4	10/29/21 09:00	11/02/21 04:38	10061-01-5	
trans-1,3-Dichloropropene	**<760**	ug/kg	1330	760	4	10/29/21 09:00	11/02/21 04:38	10061-02-6	
Diisopropyl ether	**<65.9**	ug/kg	266	65.9	4	10/29/21 09:00	11/02/21 04:38	108-20-3	
Ethylbenzene	**<63.3**	ug/kg	266	63.3	4	10/29/21 09:00	11/02/21 04:38	100-41-4	
Hexachloro-1,3-butadiene	**<529**	ug/kg	1330	529	4	10/29/21 09:00	11/02/21 04:38	87-68-3	
Isopropylbenzene (Cumene)	**<71.8**	ug/kg	266	71.8	4	10/29/21 09:00	11/02/21 04:38	98-82-8	
p-Isopropyltoluene	**<80.8**	ug/kg	266	80.8	4	10/29/21 09:00	11/02/21 04:38	99-87-6	
Methylene Chloride	**<73.9**	ug/kg	266	73.9	4	10/29/21 09:00	11/02/21 04:38	75-09-2	
Methyl-tert-butyl ether	**<78.2**	ug/kg	266	78.2	4	10/29/21 09:00	11/02/21 04:38	1634-04-4	
Naphthalene	**<82.9**	ug/kg	1330	82.9	4	10/29/21 09:00	11/02/21 04:38	91-20-3	
n-Propylbenzene	**<63.8**	ug/kg	266	63.8	4	10/29/21 09:00	11/02/21 04:38	103-65-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40235795

Sample: CGP1, 4-6' **Lab ID: 40235795001** Collected: 10/26/21 08:44 Received: 10/26/21 13:12 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<68.1**	ug/kg	266	68.1	4	10/29/21 09:00	11/02/21 04:38	100-42-5	
1,1,1,2-Tetrachloroethane	**<63.8**	ug/kg	266	63.8	4	10/29/21 09:00	11/02/21 04:38	630-20-6	
1,1,2,2-Tetrachloroethane	**<96.2**	ug/kg	266	96.2	4	10/29/21 09:00	11/02/21 04:38	79-34-5	
Tetrachloroethene	**198000**	ug/kg	2660	1030	40	10/29/21 09:00	11/02/21 15:52	127-18-4	
Toluene	**<67.0**	ug/kg	266	67.0	4	10/29/21 09:00	11/02/21 04:38	108-88-3	
1,2,3-Trichlorobenzene	**<296**	ug/kg	1330	296	4	10/29/21 09:00	11/02/21 04:38	87-61-6	
1,2,4-Trichlorobenzene	**<219**	ug/kg	1330	219	4	10/29/21 09:00	11/02/21 04:38	120-82-1	
1,1,1-Trichloroethane	**<68.1**	ug/kg	266	68.1	4	10/29/21 09:00	11/02/21 04:38	71-55-6	
1,1,2-Trichloroethane	**<96.8**	ug/kg	266	96.8	4	10/29/21 09:00	11/02/21 04:38	79-00-5	
Trichloroethene	**373**	ug/kg	266	99.4	4	10/29/21 09:00	11/02/21 04:38	79-01-6	
Trichlorofluoromethane	**<77.1**	ug/kg	266	77.1	4	10/29/21 09:00	11/02/21 04:38	75-69-4	
1,2,3-Trichloropropane	**<129**	ug/kg	266	129	4	10/29/21 09:00	11/02/21 04:38	96-18-4	
1,2,4-Trimethylbenzene	**<79.2**	ug/kg	266	79.2	4	10/29/21 09:00	11/02/21 04:38	95-63-6	
1,3,5-Trimethylbenzene	**<85.6**	ug/kg	266	85.6	4	10/29/21 09:00	11/02/21 04:38	108-67-8	
Vinyl chloride	**<53.7**	ug/kg	266	53.7	4	10/29/21 09:00	11/02/21 04:38	75-01-4	
m&p-Xylene	**<112**	ug/kg	532	112	4	10/29/21 09:00	11/02/21 04:38	179601-23-1	
o-Xylene	**<79.8**	ug/kg	266	79.8	4	10/29/21 09:00	11/02/21 04:38	95-47-6	
Surrogates									
Toluene-d8 (S)	108	%	67-159		4	10/29/21 09:00	11/02/21 04:38	2037-26-5	
4-Bromofluorobenzene (S)	122	%	66-153		4	10/29/21 09:00	11/02/21 04:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	138	%	82-158		4	10/29/21 09:00	11/02/21 04:38	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**14.1**	%	0.10	0.10	1		10/27/21 15:14		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40235795

Sample: CGP2, 4-6' **Lab ID: 40235795002** Collected: 10/26/21 09:09 Received: 10/26/21 13:12 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<17.1**	ug/kg	28.7	17.1	1	10/29/21 09:00	11/01/21 19:13	71-43-2	
Bromobenzene	**<28.0**	ug/kg	71.8	28.0	1	10/29/21 09:00	11/01/21 19:13	108-86-1	
Bromochloromethane	**<19.7**	ug/kg	71.8	19.7	1	10/29/21 09:00	11/01/21 19:13	74-97-5	
Bromodichloromethane	**<17.1**	ug/kg	71.8	17.1	1	10/29/21 09:00	11/01/21 19:13	75-27-4	
Bromoform	**<316**	ug/kg	359	316	1	10/29/21 09:00	11/01/21 19:13	75-25-2	
Bromomethane	**<101**	ug/kg	359	101	1	10/29/21 09:00	11/01/21 19:13	74-83-9	
n-Butylbenzene	**<32.9**	ug/kg	71.8	32.9	1	10/29/21 09:00	11/01/21 19:13	104-51-8	
sec-Butylbenzene	**<17.5**	ug/kg	71.8	17.5	1	10/29/21 09:00	11/01/21 19:13	135-98-8	
tert-Butylbenzene	**<22.5**	ug/kg	71.8	22.5	1	10/29/21 09:00	11/01/21 19:13	98-06-6	
Carbon tetrachloride	**<15.8**	ug/kg	71.8	15.8	1	10/29/21 09:00	11/01/21 19:13	56-23-5	
Chlorobenzene	**<8.6**	ug/kg	71.8	8.6	1	10/29/21 09:00	11/01/21 19:13	108-90-7	
Chloroethane	**<30.3**	ug/kg	359	30.3	1	10/29/21 09:00	11/01/21 19:13	75-00-3	
Chloroform	**<51.4**	ug/kg	359	51.4	1	10/29/21 09:00	11/01/21 19:13	67-66-3	
Chloromethane	**<27.3**	ug/kg	71.8	27.3	1	10/29/21 09:00	11/01/21 19:13	74-87-3	
2-Chlorotoluene	**<23.3**	ug/kg	71.8	23.3	1	10/29/21 09:00	11/01/21 19:13	95-49-8	
4-Chlorotoluene	**<27.3**	ug/kg	71.8	27.3	1	10/29/21 09:00	11/01/21 19:13	106-43-4	
1,2-Dibromo-3-chloropropane	**<55.7**	ug/kg	359	55.7	1	10/29/21 09:00	11/01/21 19:13	96-12-8	
Dibromochloromethane	**<245**	ug/kg	359	245	1	10/29/21 09:00	11/01/21 19:13	124-48-1	
1,2-Dibromoethane (EDB)	**<19.7**	ug/kg	71.8	19.7	1	10/29/21 09:00	11/01/21 19:13	106-93-4	
Dibromomethane	**<21.2**	ug/kg	71.8	21.2	1	10/29/21 09:00	11/01/21 19:13	74-95-3	
1,2-Dichlorobenzene	**<22.2**	ug/kg	71.8	22.2	1	10/29/21 09:00	11/01/21 19:13	95-50-1	
1,3-Dichlorobenzene	**<19.7**	ug/kg	71.8	19.7	1	10/29/21 09:00	11/01/21 19:13	541-73-1	
1,4-Dichlorobenzene	**<19.7**	ug/kg	71.8	19.7	1	10/29/21 09:00	11/01/21 19:13	106-46-7	
Dichlorodifluoromethane	**<30.9**	ug/kg	71.8	30.9	1	10/29/21 09:00	11/01/21 19:13	75-71-8	
1,1-Dichloroethane	**<18.4**	ug/kg	71.8	18.4	1	10/29/21 09:00	11/01/21 19:13	75-34-3	
1,2-Dichloroethane	**<16.5**	ug/kg	71.8	16.5	1	10/29/21 09:00	11/01/21 19:13	107-06-2	
1,1-Dichloroethene	**<23.8**	ug/kg	71.8	23.8	1	10/29/21 09:00	11/01/21 19:13	75-35-4	
cis-1,2-Dichloroethene	**<15.4**	ug/kg	71.8	15.4	1	10/29/21 09:00	11/01/21 19:13	156-59-2	
trans-1,2-Dichloroethene	**<15.5**	ug/kg	71.8	15.5	1	10/29/21 09:00	11/01/21 19:13	156-60-5	
1,2-Dichloropropane	**<17.1**	ug/kg	71.8	17.1	1	10/29/21 09:00	11/01/21 19:13	78-87-5	
1,3-Dichloropropane	**<15.6**	ug/kg	71.8	15.6	1	10/29/21 09:00	11/01/21 19:13	142-28-9	
2,2-Dichloropropane	**<19.4**	ug/kg	71.8	19.4	1	10/29/21 09:00	11/01/21 19:13	594-20-7	
1,1-Dichloropropene	**<23.3**	ug/kg	71.8	23.3	1	10/29/21 09:00	11/01/21 19:13	563-58-6	
cis-1,3-Dichloropropene	**<47.4**	ug/kg	359	47.4	1	10/29/21 09:00	11/01/21 19:13	10061-01-5	
trans-1,3-Dichloropropene	**<205**	ug/kg	359	205	1	10/29/21 09:00	11/01/21 19:13	10061-02-6	
Diisopropyl ether	**<17.8**	ug/kg	71.8	17.8	1	10/29/21 09:00	11/01/21 19:13	108-20-3	
Ethylbenzene	**<17.1**	ug/kg	71.8	17.1	1	10/29/21 09:00	11/01/21 19:13	100-41-4	
Hexachloro-1,3-butadiene	**<143**	ug/kg	359	143	1	10/29/21 09:00	11/01/21 19:13	87-68-3	
Isopropylbenzene (Cumene)	**<19.4**	ug/kg	71.8	19.4	1	10/29/21 09:00	11/01/21 19:13	98-82-8	
p-Isopropyltoluene	**<21.8**	ug/kg	71.8	21.8	1	10/29/21 09:00	11/01/21 19:13	99-87-6	
Methylene Chloride	**<20.0**	ug/kg	71.8	20.0	1	10/29/21 09:00	11/01/21 19:13	75-09-2	
Methyl-tert-butyl ether	**<21.1**	ug/kg	71.8	21.1	1	10/29/21 09:00	11/01/21 19:13	1634-04-4	
Naphthalene	**<22.4**	ug/kg	359	22.4	1	10/29/21 09:00	11/01/21 19:13	91-20-3	
n-Propylbenzene	**<17.2**	ug/kg	71.8	17.2	1	10/29/21 09:00	11/01/21 19:13	103-65-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40235795

Sample: CGP2, 4-6' **Lab ID: 40235795002** Collected: 10/26/21 09:09 Received: 10/26/21 13:12 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<18.4**	ug/kg	71.8	18.4	1	10/29/21 09:00	11/01/21 19:13	100-42-5	
1,1,1,2-Tetrachloroethane	**<17.2**	ug/kg	71.8	17.2	1	10/29/21 09:00	11/01/21 19:13	630-20-6	
1,1,2,2-Tetrachloroethane	**<26.0**	ug/kg	71.8	26.0	1	10/29/21 09:00	11/01/21 19:13	79-34-5	
Tetrachloroethene	**148**	ug/kg	71.8	27.8	1	10/29/21 09:00	11/01/21 19:13	127-18-4	
Toluene	**<18.1**	ug/kg	71.8	18.1	1	10/29/21 09:00	11/01/21 19:13	108-88-3	
1,2,3-Trichlorobenzene	**<79.9**	ug/kg	359	79.9	1	10/29/21 09:00	11/01/21 19:13	87-61-6	
1,2,4-Trichlorobenzene	**<59.1**	ug/kg	359	59.1	1	10/29/21 09:00	11/01/21 19:13	120-82-1	
1,1,1-Trichloroethane	**<18.4**	ug/kg	71.8	18.4	1	10/29/21 09:00	11/01/21 19:13	71-55-6	
1,1,2-Trichloroethane	**<26.1**	ug/kg	71.8	26.1	1	10/29/21 09:00	11/01/21 19:13	79-00-5	
Trichloroethene	**<26.8**	ug/kg	71.8	26.8	1	10/29/21 09:00	11/01/21 19:13	79-01-6	
Trichlorofluoromethane	**<20.8**	ug/kg	71.8	20.8	1	10/29/21 09:00	11/01/21 19:13	75-69-4	
1,2,3-Trichloropropane	**<34.9**	ug/kg	71.8	34.9	1	10/29/21 09:00	11/01/21 19:13	96-18-4	
1,2,4-Trimethylbenzene	**<21.4**	ug/kg	71.8	21.4	1	10/29/21 09:00	11/01/21 19:13	95-63-6	
1,3,5-Trimethylbenzene	**<23.1**	ug/kg	71.8	23.1	1	10/29/21 09:00	11/01/21 19:13	108-67-8	
Vinyl chloride	**<14.5**	ug/kg	71.8	14.5	1	10/29/21 09:00	11/01/21 19:13	75-01-4	
m&p-Xylene	**<30.3**	ug/kg	144	30.3	1	10/29/21 09:00	11/01/21 19:13	179601-23-1	
o-Xylene	**<21.5**	ug/kg	71.8	21.5	1	10/29/21 09:00	11/01/21 19:13	95-47-6	
Surrogates									
Toluene-d8 (S)	105	%	67-159		1	10/29/21 09:00	11/01/21 19:13	2037-26-5	
4-Bromofluorobenzene (S)	110	%	66-153		1	10/29/21 09:00	11/01/21 19:13	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	82-158		1	10/29/21 09:00	11/01/21 19:13	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**17.9**	%	0.10	0.10	1		10/27/21 15:14		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40235795

Sample: CGP3, 4-6' **Lab ID: 40235795003** Collected: 10/26/21 09:24 Received: 10/26/21 13:12 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<14.2**	ug/kg	23.8	14.2	1	10/29/21 09:00	11/01/21 19:33	71-43-2	
Bromobenzene	**<23.2**	ug/kg	59.5	23.2	1	10/29/21 09:00	11/01/21 19:33	108-86-1	
Bromochloromethane	**<16.3**	ug/kg	59.5	16.3	1	10/29/21 09:00	11/01/21 19:33	74-97-5	
Bromodichloromethane	**<14.2**	ug/kg	59.5	14.2	1	10/29/21 09:00	11/01/21 19:33	75-27-4	
Bromoform	**<262**	ug/kg	297	262	1	10/29/21 09:00	11/01/21 19:33	75-25-2	
Bromomethane	**<83.4**	ug/kg	297	83.4	1	10/29/21 09:00	11/01/21 19:33	74-83-9	
n-Butylbenzene	**<27.2**	ug/kg	59.5	27.2	1	10/29/21 09:00	11/01/21 19:33	104-51-8	
sec-Butylbenzene	**<14.5**	ug/kg	59.5	14.5	1	10/29/21 09:00	11/01/21 19:33	135-98-8	
tert-Butylbenzene	**<18.7**	ug/kg	59.5	18.7	1	10/29/21 09:00	11/01/21 19:33	98-06-6	
Carbon tetrachloride	**<13.1**	ug/kg	59.5	13.1	1	10/29/21 09:00	11/01/21 19:33	56-23-5	
Chlorobenzene	**<7.1**	ug/kg	59.5	7.1	1	10/29/21 09:00	11/01/21 19:33	108-90-7	
Chloroethane	**<25.1**	ug/kg	297	25.1	1	10/29/21 09:00	11/01/21 19:33	75-00-3	
Chloroform	**<42.6**	ug/kg	297	42.6	1	10/29/21 09:00	11/01/21 19:33	67-66-3	
Chloromethane	**<22.6**	ug/kg	59.5	22.6	1	10/29/21 09:00	11/01/21 19:33	74-87-3	
2-Chlorotoluene	**<19.3**	ug/kg	59.5	19.3	1	10/29/21 09:00	11/01/21 19:33	95-49-8	
4-Chlorotoluene	**<22.6**	ug/kg	59.5	22.6	1	10/29/21 09:00	11/01/21 19:33	106-43-4	
1,2-Dibromo-3-chloropropane	**<46.1**	ug/kg	297	46.1	1	10/29/21 09:00	11/01/21 19:33	96-12-8	
Dibromochloromethane	**<203**	ug/kg	297	203	1	10/29/21 09:00	11/01/21 19:33	124-48-1	
1,2-Dibromoethane (EDB)	**<16.3**	ug/kg	59.5	16.3	1	10/29/21 09:00	11/01/21 19:33	106-93-4	
Dibromomethane	**<17.6**	ug/kg	59.5	17.6	1	10/29/21 09:00	11/01/21 19:33	74-95-3	
1,2-Dichlorobenzene	**<18.4**	ug/kg	59.5	18.4	1	10/29/21 09:00	11/01/21 19:33	95-50-1	
1,3-Dichlorobenzene	**<16.3**	ug/kg	59.5	16.3	1	10/29/21 09:00	11/01/21 19:33	541-73-1	
1,4-Dichlorobenzene	**<16.3**	ug/kg	59.5	16.3	1	10/29/21 09:00	11/01/21 19:33	106-46-7	
Dichlorodifluoromethane	**<25.6**	ug/kg	59.5	25.6	1	10/29/21 09:00	11/01/21 19:33	75-71-8	
1,1-Dichloroethane	**<15.2**	ug/kg	59.5	15.2	1	10/29/21 09:00	11/01/21 19:33	75-34-3	
1,2-Dichloroethane	**<13.7**	ug/kg	59.5	13.7	1	10/29/21 09:00	11/01/21 19:33	107-06-2	
1,1-Dichloroethene	**<19.7**	ug/kg	59.5	19.7	1	10/29/21 09:00	11/01/21 19:33	75-35-4	
cis-1,2-Dichloroethene	**<12.7**	ug/kg	59.5	12.7	1	10/29/21 09:00	11/01/21 19:33	156-59-2	
trans-1,2-Dichloroethene	**<12.8**	ug/kg	59.5	12.8	1	10/29/21 09:00	11/01/21 19:33	156-60-5	
1,2-Dichloropropane	**<14.2**	ug/kg	59.5	14.2	1	10/29/21 09:00	11/01/21 19:33	78-87-5	
1,3-Dichloropropane	**<13.0**	ug/kg	59.5	13.0	1	10/29/21 09:00	11/01/21 19:33	142-28-9	
2,2-Dichloropropane	**<16.1**	ug/kg	59.5	16.1	1	10/29/21 09:00	11/01/21 19:33	594-20-7	
1,1-Dichloropropene	**<19.3**	ug/kg	59.5	19.3	1	10/29/21 09:00	11/01/21 19:33	563-58-6	
cis-1,3-Dichloropropene	**<39.2**	ug/kg	297	39.2	1	10/29/21 09:00	11/01/21 19:33	10061-01-5	
trans-1,3-Dichloropropene	**<170**	ug/kg	297	170	1	10/29/21 09:00	11/01/21 19:33	10061-02-6	
Diisopropyl ether	**<14.7**	ug/kg	59.5	14.7	1	10/29/21 09:00	11/01/21 19:33	108-20-3	
Ethylbenzene	**<14.2**	ug/kg	59.5	14.2	1	10/29/21 09:00	11/01/21 19:33	100-41-4	
Hexachloro-1,3-butadiene	**<118**	ug/kg	297	118	1	10/29/21 09:00	11/01/21 19:33	87-68-3	
Isopropylbenzene (Cumene)	**<16.1**	ug/kg	59.5	16.1	1	10/29/21 09:00	11/01/21 19:33	98-82-8	
p-Isopropyltoluene	**<18.1**	ug/kg	59.5	18.1	1	10/29/21 09:00	11/01/21 19:33	99-87-6	
Methylene Chloride	**<16.5**	ug/kg	59.5	16.5	1	10/29/21 09:00	11/01/21 19:33	75-09-2	
Methyl-tert-butyl ether	**<17.5**	ug/kg	59.5	17.5	1	10/29/21 09:00	11/01/21 19:33	1634-04-4	
Naphthalene	**<18.6**	ug/kg	297	18.6	1	10/29/21 09:00	11/01/21 19:33	91-20-3	
n-Propylbenzene	**<14.3**	ug/kg	59.5	14.3	1	10/29/21 09:00	11/01/21 19:33	103-65-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40235795

Sample: CGP3, 4-6' **Lab ID: 40235795003** Collected: 10/26/21 09:24 Received: 10/26/21 13:12 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<15.2**	ug/kg	59.5	15.2	1	10/29/21 09:00	11/01/21 19:33	100-42-5	
1,1,1,2-Tetrachloroethane	**<14.3**	ug/kg	59.5	14.3	1	10/29/21 09:00	11/01/21 19:33	630-20-6	
1,1,2,2-Tetrachloroethane	**<21.5**	ug/kg	59.5	21.5	1	10/29/21 09:00	11/01/21 19:33	79-34-5	
Tetrachloroethene	**<23.1**	ug/kg	59.5	23.1	1	10/29/21 09:00	11/01/21 19:33	127-18-4	
Toluene	**<15.0**	ug/kg	59.5	15.0	1	10/29/21 09:00	11/01/21 19:33	108-88-3	
1,2,3-Trichlorobenzene	**<66.2**	ug/kg	297	66.2	1	10/29/21 09:00	11/01/21 19:33	87-61-6	
1,2,4-Trichlorobenzene	**<49.0**	ug/kg	297	49.0	1	10/29/21 09:00	11/01/21 19:33	120-82-1	
1,1,1-Trichloroethane	**<15.2**	ug/kg	59.5	15.2	1	10/29/21 09:00	11/01/21 19:33	71-55-6	
1,1,2-Trichloroethane	**<21.6**	ug/kg	59.5	21.6	1	10/29/21 09:00	11/01/21 19:33	79-00-5	
Trichloroethene	**<22.2**	ug/kg	59.5	22.2	1	10/29/21 09:00	11/01/21 19:33	79-01-6	
Trichlorofluoromethane	**<17.2**	ug/kg	59.5	17.2	1	10/29/21 09:00	11/01/21 19:33	75-69-4	
1,2,3-Trichloropropane	**<28.9**	ug/kg	59.5	28.9	1	10/29/21 09:00	11/01/21 19:33	96-18-4	
1,2,4-Trimethylbenzene	**<17.7**	ug/kg	59.5	17.7	1	10/29/21 09:00	11/01/21 19:33	95-63-6	
1,3,5-Trimethylbenzene	**<19.1**	ug/kg	59.5	19.1	1	10/29/21 09:00	11/01/21 19:33	108-67-8	
Vinyl chloride	**<12.0**	ug/kg	59.5	12.0	1	10/29/21 09:00	11/01/21 19:33	75-01-4	
m&p-Xylene	**<25.1**	ug/kg	119	25.1	1	10/29/21 09:00	11/01/21 19:33	179601-23-1	
o-Xylene	**<17.8**	ug/kg	59.5	17.8	1	10/29/21 09:00	11/01/21 19:33	95-47-6	
Surrogates									
Toluene-d8 (S)	119	%	67-159		1	10/29/21 09:00	11/01/21 19:33	2037-26-5	
4-Bromofluorobenzene (S)	124	%	66-153		1	10/29/21 09:00	11/01/21 19:33	460-00-4	
1,2-Dichlorobenzene-d4 (S)	119	%	82-158		1	10/29/21 09:00	11/01/21 19:33	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**8.6**	%	0.10	0.10	1		10/27/21 15:14		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40235795

Sample: CGP4, 2-4' **Lab ID: 40235795004** Collected: 10/26/21 09:46 Received: 10/26/21 13:12 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<17.3**	ug/kg	29.1	17.3	1	10/29/21 09:00	11/01/21 19:52	71-43-2	
Bromobenzene	**<28.4**	ug/kg	72.8	28.4	1	10/29/21 09:00	11/01/21 19:52	108-86-1	
Bromochloromethane	**<19.9**	ug/kg	72.8	19.9	1	10/29/21 09:00	11/01/21 19:52	74-97-5	
Bromodichloromethane	**<17.3**	ug/kg	72.8	17.3	1	10/29/21 09:00	11/01/21 19:52	75-27-4	
Bromoform	**<320**	ug/kg	364	320	1	10/29/21 09:00	11/01/21 19:52	75-25-2	
Bromomethane	**<102**	ug/kg	364	102	1	10/29/21 09:00	11/01/21 19:52	74-83-9	
n-Butylbenzene	**<33.3**	ug/kg	72.8	33.3	1	10/29/21 09:00	11/01/21 19:52	104-51-8	
sec-Butylbenzene	**<17.8**	ug/kg	72.8	17.8	1	10/29/21 09:00	11/01/21 19:52	135-98-8	
tert-Butylbenzene	**<22.9**	ug/kg	72.8	22.9	1	10/29/21 09:00	11/01/21 19:52	98-06-6	
Carbon tetrachloride	**<16.0**	ug/kg	72.8	16.0	1	10/29/21 09:00	11/01/21 19:52	56-23-5	
Chlorobenzene	**<8.7**	ug/kg	72.8	8.7	1	10/29/21 09:00	11/01/21 19:52	108-90-7	
Chloroethane	**<30.7**	ug/kg	364	30.7	1	10/29/21 09:00	11/01/21 19:52	75-00-3	
Chloroform	**<52.1**	ug/kg	364	52.1	1	10/29/21 09:00	11/01/21 19:52	67-66-3	
Chloromethane	**<27.7**	ug/kg	72.8	27.7	1	10/29/21 09:00	11/01/21 19:52	74-87-3	
2-Chlorotoluene	**<23.6**	ug/kg	72.8	23.6	1	10/29/21 09:00	11/01/21 19:52	95-49-8	
4-Chlorotoluene	**<27.7**	ug/kg	72.8	27.7	1	10/29/21 09:00	11/01/21 19:52	106-43-4	
1,2-Dibromo-3-chloropropane	**<56.5**	ug/kg	364	56.5	1	10/29/21 09:00	11/01/21 19:52	96-12-8	
Dibromochloromethane	**<249**	ug/kg	364	249	1	10/29/21 09:00	11/01/21 19:52	124-48-1	
1,2-Dibromoethane (EDB)	**<19.9**	ug/kg	72.8	19.9	1	10/29/21 09:00	11/01/21 19:52	106-93-4	
Dibromomethane	**<21.6**	ug/kg	72.8	21.6	1	10/29/21 09:00	11/01/21 19:52	74-95-3	
1,2-Dichlorobenzene	**<22.6**	ug/kg	72.8	22.6	1	10/29/21 09:00	11/01/21 19:52	95-50-1	
1,3-Dichlorobenzene	**<19.9**	ug/kg	72.8	19.9	1	10/29/21 09:00	11/01/21 19:52	541-73-1	
1,4-Dichlorobenzene	**<19.9**	ug/kg	72.8	19.9	1	10/29/21 09:00	11/01/21 19:52	106-46-7	
Dichlorodifluoromethane	**<31.3**	ug/kg	72.8	31.3	1	10/29/21 09:00	11/01/21 19:52	75-71-8	
1,1-Dichloroethane	**<18.6**	ug/kg	72.8	18.6	1	10/29/21 09:00	11/01/21 19:52	75-34-3	
1,2-Dichloroethane	**<16.7**	ug/kg	72.8	16.7	1	10/29/21 09:00	11/01/21 19:52	107-06-2	
1,1-Dichloroethene	**<24.2**	ug/kg	72.8	24.2	1	10/29/21 09:00	11/01/21 19:52	75-35-4	
cis-1,2-Dichloroethene	**<15.6**	ug/kg	72.8	15.6	1	10/29/21 09:00	11/01/21 19:52	156-59-2	
trans-1,2-Dichloroethene	**<15.7**	ug/kg	72.8	15.7	1	10/29/21 09:00	11/01/21 19:52	156-60-5	
1,2-Dichloropropane	**<17.3**	ug/kg	72.8	17.3	1	10/29/21 09:00	11/01/21 19:52	78-87-5	
1,3-Dichloropropane	**<15.9**	ug/kg	72.8	15.9	1	10/29/21 09:00	11/01/21 19:52	142-28-9	
2,2-Dichloropropane	**<19.7**	ug/kg	72.8	19.7	1	10/29/21 09:00	11/01/21 19:52	594-20-7	
1,1-Dichloropropene	**<23.6**	ug/kg	72.8	23.6	1	10/29/21 09:00	11/01/21 19:52	563-58-6	
cis-1,3-Dichloropropene	**<48.1**	ug/kg	364	48.1	1	10/29/21 09:00	11/01/21 19:52	10061-01-5	
trans-1,3-Dichloropropene	**<208**	ug/kg	364	208	1	10/29/21 09:00	11/01/21 19:52	10061-02-6	
Diisopropyl ether	**<18.1**	ug/kg	72.8	18.1	1	10/29/21 09:00	11/01/21 19:52	108-20-3	
Ethylbenzene	**<17.3**	ug/kg	72.8	17.3	1	10/29/21 09:00	11/01/21 19:52	100-41-4	
Hexachloro-1,3-butadiene	**<145**	ug/kg	364	145	1	10/29/21 09:00	11/01/21 19:52	87-68-3	
Isopropylbenzene (Cumene)	**<19.7**	ug/kg	72.8	19.7	1	10/29/21 09:00	11/01/21 19:52	98-82-8	
p-Isopropyltoluene	**<22.1**	ug/kg	72.8	22.1	1	10/29/21 09:00	11/01/21 19:52	99-87-6	
Methylene Chloride	**<20.2**	ug/kg	72.8	20.2	1	10/29/21 09:00	11/01/21 19:52	75-09-2	
Methyl-tert-butyl ether	**<21.4**	ug/kg	72.8	21.4	1	10/29/21 09:00	11/01/21 19:52	1634-04-4	
Naphthalene	**<22.7**	ug/kg	364	22.7	1	10/29/21 09:00	11/01/21 19:52	91-20-3	
n-Propylbenzene	**<17.5**	ug/kg	72.8	17.5	1	10/29/21 09:00	11/01/21 19:52	103-65-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40235795

Sample: CGP4, 2-4' **Lab ID: 40235795004** Collected: 10/26/21 09:46 Received: 10/26/21 13:12 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<18.6**	ug/kg	72.8	18.6	1	10/29/21 09:00	11/01/21 19:52	100-42-5	
1,1,1,2-Tetrachloroethane	**<17.5**	ug/kg	72.8	17.5	1	10/29/21 09:00	11/01/21 19:52	630-20-6	
1,1,2,2-Tetrachloroethane	**<26.4**	ug/kg	72.8	26.4	1	10/29/21 09:00	11/01/21 19:52	79-34-5	
Tetrachloroethene	**536**	ug/kg	72.8	28.2	1	10/29/21 09:00	11/01/21 19:52	127-18-4	
Toluene	**<18.3**	ug/kg	72.8	18.3	1	10/29/21 09:00	11/01/21 19:52	108-88-3	
1,2,3-Trichlorobenzene	**<81.1**	ug/kg	364	81.1	1	10/29/21 09:00	11/01/21 19:52	87-61-6	
1,2,4-Trichlorobenzene	**<60.0**	ug/kg	364	60.0	1	10/29/21 09:00	11/01/21 19:52	120-82-1	
1,1,1-Trichloroethane	**<18.6**	ug/kg	72.8	18.6	1	10/29/21 09:00	11/01/21 19:52	71-55-6	
1,1,2-Trichloroethane	**<26.5**	ug/kg	72.8	26.5	1	10/29/21 09:00	11/01/21 19:52	79-00-5	
Trichloroethene	**<27.2**	ug/kg	72.8	27.2	1	10/29/21 09:00	11/01/21 19:52	79-01-6	
Trichlorofluoromethane	**<21.1**	ug/kg	72.8	21.1	1	10/29/21 09:00	11/01/21 19:52	75-69-4	
1,2,3-Trichloropropane	**<35.4**	ug/kg	72.8	35.4	1	10/29/21 09:00	11/01/21 19:52	96-18-4	
1,2,4-Trimethylbenzene	**<21.7**	ug/kg	72.8	21.7	1	10/29/21 09:00	11/01/21 19:52	95-63-6	
1,3,5-Trimethylbenzene	**<23.4**	ug/kg	72.8	23.4	1	10/29/21 09:00	11/01/21 19:52	108-67-8	
Vinyl chloride	**<14.7**	ug/kg	72.8	14.7	1	10/29/21 09:00	11/01/21 19:52	75-01-4	
m&p-Xylene	**<30.7**	ug/kg	146	30.7	1	10/29/21 09:00	11/01/21 19:52	179601-23-1	
o-Xylene	**<21.8**	ug/kg	72.8	21.8	1	10/29/21 09:00	11/01/21 19:52	95-47-6	
Surrogates									
Toluene-d8 (S)	117	%	67-159		1	10/29/21 09:00	11/01/21 19:52	2037-26-5	
4-Bromofluorobenzene (S)	117	%	66-153		1	10/29/21 09:00	11/01/21 19:52	460-00-4	
1,2-Dichlorobenzene-d4 (S)	115	%	82-158		1	10/29/21 09:00	11/01/21 19:52	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**18.6**	%	0.10	0.10	1		10/27/21 15:14		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40235795

Sample: CGP5, 2-4' **Lab ID: 40235795005** Collected: 10/26/21 10:10 Received: 10/26/21 13:12 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<13.2**	ug/kg	22.2	13.2	1	10/29/21 09:00	11/01/21 21:30	71-43-2	
Bromobenzene	**<21.7**	ug/kg	55.5	21.7	1	10/29/21 09:00	11/01/21 21:30	108-86-1	
Bromochloromethane	**<15.2**	ug/kg	55.5	15.2	1	10/29/21 09:00	11/01/21 21:30	74-97-5	
Bromodichloromethane	**<13.2**	ug/kg	55.5	13.2	1	10/29/21 09:00	11/01/21 21:30	75-27-4	
Bromoform	**<244**	ug/kg	278	244	1	10/29/21 09:00	11/01/21 21:30	75-25-2	
Bromomethane	**<77.8**	ug/kg	278	77.8	1	10/29/21 09:00	11/01/21 21:30	74-83-9	
n-Butylbenzene	**<25.4**	ug/kg	55.5	25.4	1	10/29/21 09:00	11/01/21 21:30	104-51-8	
sec-Butylbenzene	**<13.5**	ug/kg	55.5	13.5	1	10/29/21 09:00	11/01/21 21:30	135-98-8	
tert-Butylbenzene	**<17.4**	ug/kg	55.5	17.4	1	10/29/21 09:00	11/01/21 21:30	98-06-6	
Carbon tetrachloride	**<12.2**	ug/kg	55.5	12.2	1	10/29/21 09:00	11/01/21 21:30	56-23-5	
Chlorobenzene	**<6.7**	ug/kg	55.5	6.7	1	10/29/21 09:00	11/01/21 21:30	108-90-7	
Chloroethane	**<23.4**	ug/kg	278	23.4	1	10/29/21 09:00	11/01/21 21:30	75-00-3	
Chloroform	**<39.8**	ug/kg	278	39.8	1	10/29/21 09:00	11/01/21 21:30	67-66-3	
Chloromethane	**<21.1**	ug/kg	55.5	21.1	1	10/29/21 09:00	11/01/21 21:30	74-87-3	
2-Chlorotoluene	**<18.0**	ug/kg	55.5	18.0	1	10/29/21 09:00	11/01/21 21:30	95-49-8	
4-Chlorotoluene	**<21.1**	ug/kg	55.5	21.1	1	10/29/21 09:00	11/01/21 21:30	106-43-4	
1,2-Dibromo-3-chloropropane	**<43.1**	ug/kg	278	43.1	1	10/29/21 09:00	11/01/21 21:30	96-12-8	
Dibromochloromethane	**<190**	ug/kg	278	190	1	10/29/21 09:00	11/01/21 21:30	124-48-1	
1,2-Dibromoethane (EDB)	**<15.2**	ug/kg	55.5	15.2	1	10/29/21 09:00	11/01/21 21:30	106-93-4	
Dibromomethane	**<16.4**	ug/kg	55.5	16.4	1	10/29/21 09:00	11/01/21 21:30	74-95-3	
1,2-Dichlorobenzene	**<17.2**	ug/kg	55.5	17.2	1	10/29/21 09:00	11/01/21 21:30	95-50-1	
1,3-Dichlorobenzene	**<15.2**	ug/kg	55.5	15.2	1	10/29/21 09:00	11/01/21 21:30	541-73-1	
1,4-Dichlorobenzene	**<15.2**	ug/kg	55.5	15.2	1	10/29/21 09:00	11/01/21 21:30	106-46-7	
Dichlorodifluoromethane	**<23.9**	ug/kg	55.5	23.9	1	10/29/21 09:00	11/01/21 21:30	75-71-8	
1,1-Dichloroethane	**<14.2**	ug/kg	55.5	14.2	1	10/29/21 09:00	11/01/21 21:30	75-34-3	
1,2-Dichloroethane	**<12.8**	ug/kg	55.5	12.8	1	10/29/21 09:00	11/01/21 21:30	107-06-2	
1,1-Dichloroethene	**<18.4**	ug/kg	55.5	18.4	1	10/29/21 09:00	11/01/21 21:30	75-35-4	
cis-1,2-Dichloroethene	**<11.9**	ug/kg	55.5	11.9	1	10/29/21 09:00	11/01/21 21:30	156-59-2	
trans-1,2-Dichloroethene	**<12.0**	ug/kg	55.5	12.0	1	10/29/21 09:00	11/01/21 21:30	156-60-5	
1,2-Dichloropropane	**<13.2**	ug/kg	55.5	13.2	1	10/29/21 09:00	11/01/21 21:30	78-87-5	
1,3-Dichloropropane	**<12.1**	ug/kg	55.5	12.1	1	10/29/21 09:00	11/01/21 21:30	142-28-9	
2,2-Dichloropropane	**<15.0**	ug/kg	55.5	15.0	1	10/29/21 09:00	11/01/21 21:30	594-20-7	
1,1-Dichloropropene	**<18.0**	ug/kg	55.5	18.0	1	10/29/21 09:00	11/01/21 21:30	563-58-6	
cis-1,3-Dichloropropene	**<36.6**	ug/kg	278	36.6	1	10/29/21 09:00	11/01/21 21:30	10061-01-5	
trans-1,3-Dichloropropene	**<159**	ug/kg	278	159	1	10/29/21 09:00	11/01/21 21:30	10061-02-6	
Diisopropyl ether	**<13.8**	ug/kg	55.5	13.8	1	10/29/21 09:00	11/01/21 21:30	108-20-3	
Ethylbenzene	**<13.2**	ug/kg	55.5	13.2	1	10/29/21 09:00	11/01/21 21:30	100-41-4	
Hexachloro-1,3-butadiene	**<110**	ug/kg	278	110	1	10/29/21 09:00	11/01/21 21:30	87-68-3	
Isopropylbenzene (Cumene)	**<15.0**	ug/kg	55.5	15.0	1	10/29/21 09:00	11/01/21 21:30	98-82-8	
p-Isopropyltoluene	**<16.9**	ug/kg	55.5	16.9	1	10/29/21 09:00	11/01/21 21:30	99-87-6	
Methylene Chloride	**<15.4**	ug/kg	55.5	15.4	1	10/29/21 09:00	11/01/21 21:30	75-09-2	
Methyl-tert-butyl ether	**<16.3**	ug/kg	55.5	16.3	1	10/29/21 09:00	11/01/21 21:30	1634-04-4	
Naphthalene	**<17.3**	ug/kg	278	17.3	1	10/29/21 09:00	11/01/21 21:30	91-20-3	
n-Propylbenzene	**<13.3**	ug/kg	55.5	13.3	1	10/29/21 09:00	11/01/21 21:30	103-65-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40235795

Sample: CGP5, 2-4' **Lab ID: 40235795005** Collected: 10/26/21 10:10 Received: 10/26/21 13:12 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<14.2**	ug/kg	55.5	14.2	1	10/29/21 09:00	11/01/21 21:30	100-42-5	
1,1,1,2-Tetrachloroethane	**<13.3**	ug/kg	55.5	13.3	1	10/29/21 09:00	11/01/21 21:30	630-20-6	
1,1,2,2-Tetrachloroethane	**<20.1**	ug/kg	55.5	20.1	1	10/29/21 09:00	11/01/21 21:30	79-34-5	
Tetrachloroethene	**<21.5**	ug/kg	55.5	21.5	1	10/29/21 09:00	11/01/21 21:30	127-18-4	
Toluene	**<14.0**	ug/kg	55.5	14.0	1	10/29/21 09:00	11/01/21 21:30	108-88-3	
1,2,3-Trichlorobenzene	**<61.9**	ug/kg	278	61.9	1	10/29/21 09:00	11/01/21 21:30	87-61-6	
1,2,4-Trichlorobenzene	**<45.8**	ug/kg	278	45.8	1	10/29/21 09:00	11/01/21 21:30	120-82-1	
1,1,1-Trichloroethane	**<14.2**	ug/kg	55.5	14.2	1	10/29/21 09:00	11/01/21 21:30	71-55-6	
1,1,2-Trichloroethane	**<20.2**	ug/kg	55.5	20.2	1	10/29/21 09:00	11/01/21 21:30	79-00-5	
Trichloroethene	**<20.8**	ug/kg	55.5	20.8	1	10/29/21 09:00	11/01/21 21:30	79-01-6	
Trichlorofluoromethane	**<16.1**	ug/kg	55.5	16.1	1	10/29/21 09:00	11/01/21 21:30	75-69-4	
1,2,3-Trichloropropane	**<27.0**	ug/kg	55.5	27.0	1	10/29/21 09:00	11/01/21 21:30	96-18-4	
1,2,4-Trimethylbenzene	**<16.5**	ug/kg	55.5	16.5	1	10/29/21 09:00	11/01/21 21:30	95-63-6	
1,3,5-Trimethylbenzene	**<17.9**	ug/kg	55.5	17.9	1	10/29/21 09:00	11/01/21 21:30	108-67-8	
Vinyl chloride	**<11.2**	ug/kg	55.5	11.2	1	10/29/21 09:00	11/01/21 21:30	75-01-4	
m&p-Xylene	**<23.4**	ug/kg	111	23.4	1	10/29/21 09:00	11/01/21 21:30	179601-23-1	
o-Xylene	**<16.7**	ug/kg	55.5	16.7	1	10/29/21 09:00	11/01/21 21:30	95-47-6	
Surrogates									
Toluene-d8 (S)	116	%	67-159		1	10/29/21 09:00	11/01/21 21:30	2037-26-5	
4-Bromofluorobenzene (S)	120	%	66-153		1	10/29/21 09:00	11/01/21 21:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	119	%	82-158		1	10/29/21 09:00	11/01/21 21:30	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**5.2**	%	0.10	0.10	1		10/27/21 15:14		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 8318 V+L STRIPPING
Pace Project No.: 40235795

QC Batch: 400089
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Med Level Normal List
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40235795001, 40235795002, 40235795003, 40235795004, 40235795005

METHOD BLANK: 2310290 Matrix: Solid
Associated Lab Samples: 40235795001, 40235795002, 40235795003, 40235795004, 40235795005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<12.0	50.0	11/01/21 09:33	
1,1,1-Trichloroethane	ug/kg	<12.8	50.0	11/01/21 09:33	
1,1,2,2-Tetrachloroethane	ug/kg	<18.1	50.0	11/01/21 09:33	
1,1,2-Trichloroethane	ug/kg	<18.2	50.0	11/01/21 09:33	
1,1-Dichloroethane	ug/kg	<12.8	50.0	11/01/21 09:33	
1,1-Dichloroethene	ug/kg	<16.6	50.0	11/01/21 09:33	
1,1-Dichloropropene	ug/kg	<16.2	50.0	11/01/21 09:33	
1,2,3-Trichlorobenzene	ug/kg	<55.7	250	11/01/21 09:33	
1,2,3-Trichloropropane	ug/kg	<24.3	50.0	11/01/21 09:33	
1,2,4-Trichlorobenzene	ug/kg	<41.2	250	11/01/21 09:33	
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	11/01/21 09:33	
1,2-Dibromo-3-chloropropane	ug/kg	<38.8	250	11/01/21 09:33	
1,2-Dibromoethane (EDB)	ug/kg	<13.7	50.0	11/01/21 09:33	
1,2-Dichlorobenzene	ug/kg	<15.5	50.0	11/01/21 09:33	
1,2-Dichloroethane	ug/kg	<11.5	50.0	11/01/21 09:33	
1,2-Dichloropropane	ug/kg	<11.9	50.0	11/01/21 09:33	
1,3,5-Trimethylbenzene	ug/kg	<16.1	50.0	11/01/21 09:33	
1,3-Dichlorobenzene	ug/kg	<13.7	50.0	11/01/21 09:33	
1,3-Dichloropropane	ug/kg	<10.9	50.0	11/01/21 09:33	
1,4-Dichlorobenzene	ug/kg	<13.7	50.0	11/01/21 09:33	
2,2-Dichloropropane	ug/kg	<13.5	50.0	11/01/21 09:33	
2-Chlorotoluene	ug/kg	<16.2	50.0	11/01/21 09:33	
4-Chlorotoluene	ug/kg	<19.0	50.0	11/01/21 09:33	
Benzene	ug/kg	<11.9	20.0	11/01/21 09:33	
Bromobenzene	ug/kg	<19.5	50.0	11/01/21 09:33	
Bromochloromethane	ug/kg	<13.7	50.0	11/01/21 09:33	
Bromodichloromethane	ug/kg	<11.9	50.0	11/01/21 09:33	
Bromoform	ug/kg	<220	250	11/01/21 09:33	
Bromomethane	ug/kg	<70.1	250	11/01/21 09:33	
Carbon tetrachloride	ug/kg	<11.0	50.0	11/01/21 09:33	
Chlorobenzene	ug/kg	<6.0	50.0	11/01/21 09:33	
Chloroethane	ug/kg	<21.1	250	11/01/21 09:33	
Chloroform	ug/kg	<35.8	250	11/01/21 09:33	
Chloromethane	ug/kg	<19.0	50.0	11/01/21 09:33	
cis-1,2-Dichloroethene	ug/kg	<10.7	50.0	11/01/21 09:33	
cis-1,3-Dichloropropene	ug/kg	<33.0	250	11/01/21 09:33	
Dibromochloromethane	ug/kg	<171	250	11/01/21 09:33	
Dibromomethane	ug/kg	<14.8	50.0	11/01/21 09:33	
Dichlorodifluoromethane	ug/kg	<21.5	50.0	11/01/21 09:33	
Diisopropyl ether	ug/kg	<12.4	50.0	11/01/21 09:33	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 8318 V+L STRIPPING
Pace Project No.: 40235795

METHOD BLANK: 2310290 Matrix: Solid
Associated Lab Samples: 40235795001, 40235795002, 40235795003, 40235795004, 40235795005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<11.9	50.0	11/01/21 09:33	
Hexachloro-1,3-butadiene	ug/kg	<99.4	250	11/01/21 09:33	
Isopropylbenzene (Cumene)	ug/kg	<13.5	50.0	11/01/21 09:33	
m&p-Xylene	ug/kg	<21.1	100	11/01/21 09:33	
Methyl-tert-butyl ether	ug/kg	<14.7	50.0	11/01/21 09:33	
Methylene Chloride	ug/kg	<13.9	50.0	11/01/21 09:33	
n-Butylbenzene	ug/kg	<22.9	50.0	11/01/21 09:33	
n-Propylbenzene	ug/kg	<12.0	50.0	11/01/21 09:33	
Naphthalene	ug/kg	<15.6	250	11/01/21 09:33	
o-Xylene	ug/kg	<15.0	50.0	11/01/21 09:33	
p-Isopropyltoluene	ug/kg	<15.2	50.0	11/01/21 09:33	
sec-Butylbenzene	ug/kg	<12.2	50.0	11/01/21 09:33	
Styrene	ug/kg	<12.8	50.0	11/01/21 09:33	
tert-Butylbenzene	ug/kg	<15.7	50.0	11/01/21 09:33	
Tetrachloroethene	ug/kg	<19.4	50.0	11/01/21 09:33	
Toluene	ug/kg	<12.6	50.0	11/01/21 09:33	
trans-1,2-Dichloroethene	ug/kg	<10.8	50.0	11/01/21 09:33	
trans-1,3-Dichloropropene	ug/kg	<143	250	11/01/21 09:33	
Trichloroethene	ug/kg	<18.7	50.0	11/01/21 09:33	
Trichlorofluoromethane	ug/kg	<14.5	50.0	11/01/21 09:33	
Vinyl chloride	ug/kg	<10.1	50.0	11/01/21 09:33	
1,2-Dichlorobenzene-d4 (S)	%	88	82-158	11/01/21 09:33	
4-Bromofluorobenzene (S)	%	90	66-153	11/01/21 09:33	
Toluene-d8 (S)	%	86	67-159	11/01/21 09:33	

LABORATORY CONTROL SAMPLE: 2310291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2530	101	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2330	93	65-129	
1,1,2-Trichloroethane	ug/kg	2500	2340	94	70-130	
1,1-Dichloroethane	ug/kg	2500	2310	92	70-130	
1,1-Dichloroethene	ug/kg	2500	2370	95	67-120	
1,2,4-Trichlorobenzene	ug/kg	2500	2070	83	64-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2180	87	57-119	
1,2-Dibromoethane (EDB)	ug/kg	2500	2290	91	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2250	90	70-130	
1,2-Dichloroethane	ug/kg	2500	2460	98	70-130	
1,2-Dichloropropane	ug/kg	2500	2360	95	72-118	
1,3-Dichlorobenzene	ug/kg	2500	2270	91	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2230	89	70-130	
Benzene	ug/kg	2500	2340	94	70-130	
Bromodichloromethane	ug/kg	2500	2460	98	70-130	
Bromoform	ug/kg	2500	1960	79	66-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 8318 V+L STRIPPING
Pace Project No.: 40235795

LABORATORY CONTROL SAMPLE: 2310291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/kg	2500	2370	95	13-153	
Carbon tetrachloride	ug/kg	2500	2430	97	73-134	
Chlorobenzene	ug/kg	2500	2430	97	70-130	
Chloroethane	ug/kg	2500	2110	84	19-170	
Chloroform	ug/kg	2500	2480	99	79-120	
Chloromethane	ug/kg	2500	1670	67	45-117	
cis-1,2-Dichloroethene	ug/kg	2500	2280	91	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2300	92	68-130	
Dibromochloromethane	ug/kg	2500	2300	92	70-130	
Dichlorodifluoromethane	ug/kg	2500	1380	55	15-135	
Ethylbenzene	ug/kg	2500	2320	93	78-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2290	92	70-130	
m&p-Xylene	ug/kg	5000	4480	90	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2110	84	65-130	
Methylene Chloride	ug/kg	2500	2410	97	70-130	
o-Xylene	ug/kg	2500	2230	89	70-130	
Styrene	ug/kg	2500	2300	92	70-130	
Tetrachloroethene	ug/kg	2500	2420	97	70-130	
Toluene	ug/kg	2500	2310	92	76-120	
trans-1,2-Dichloroethene	ug/kg	2500	2340	94	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2180	87	70-130	
Trichloroethene	ug/kg	2500	2510	101	70-130	
Trichlorofluoromethane	ug/kg	2500	1980	79	49-153	
Vinyl chloride	ug/kg	2500	2110	84	58-121	
1,2-Dichlorobenzene-d4 (S)	%			97	82-158	
4-Bromofluorobenzene (S)	%			104	66-153	
Toluene-d8 (S)	%			98	67-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2310292 2310293

Parameter	Units	40235794008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<18.2	1420	1420	1390	1430	98	101	70-130	3	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.7	1420	1420	1530	1490	108	105	65-129	3	20	
1,1,2-Trichloroethane	ug/kg	<25.9	1420	1420	1410	1390	99	98	70-130	2	20	
1,1-Dichloroethane	ug/kg	<18.2	1420	1420	1400	1390	98	98	70-130	0	20	
1,1-Dichloroethene	ug/kg	<23.6	1420	1420	1270	1300	89	91	64-120	2	20	
1,2,4-Trichlorobenzene	ug/kg	<58.5	1420	1420	1380	1330	97	94	64-130	4	20	
1,2-Dibromo-3-chloropropane	ug/kg	<55.1	1420	1420	1460	1460	103	102	57-130	1	21	
1,2-Dibromoethane (EDB)	ug/kg	<19.5	1420	1420	1420	1350	100	95	70-130	5	20	
1,2-Dichlorobenzene	ug/kg	<22.0	1420	1420	1460	1410	103	99	70-130	3	20	
1,2-Dichloroethane	ug/kg	<16.3	1420	1420	1540	1640	109	116	70-130	6	20	
1,2-Dichloropropane	ug/kg	<16.9	1420	1420	1380	1410	97	99	72-122	2	20	
1,3-Dichlorobenzene	ug/kg	<19.5	1420	1420	1460	1400	103	99	70-130	4	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 8318 V+L STRIPPING
Pace Project No.: 40235795

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2310292 2310293

Parameter	Units	40235794008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dichlorobenzene	ug/kg	<19.5	1420	1420	1490	1410	105	99	70-130	6	20	
Benzene	ug/kg	<16.9	1420	1420	1390	1420	98	100	70-130	2	20	
Bromodichloromethane	ug/kg	<16.9	1420	1420	1410	1470	99	103	70-130	4	20	
Bromoform	ug/kg	<313	1420	1420	1350	1350	95	95	66-130	1	20	
Bromomethane	ug/kg	<99.6	1420	1420	1170	1260	82	89	13-153	8	20	
Carbon tetrachloride	ug/kg	<15.6	1420	1420	1330	1370	93	97	67-134	3	20	
Chlorobenzene	ug/kg	<8.5	1420	1420	1470	1460	104	103	70-130	1	20	
Chloroethane	ug/kg	<30.0	1420	1420	1200	1360	85	96	11-195	13	20	
Chloroform	ug/kg	<50.9	1420	1420	1520	1530	107	108	79-120	1	20	
Chloromethane	ug/kg	<27.0	1420	1420	751	749	53	53	30-136	0	20	
cis-1,2-Dichloroethene	ug/kg	<15.2	1420	1420	1350	1460	95	103	70-130	8	20	
cis-1,3-Dichloropropene	ug/kg	<46.9	1420	1420	1320	1340	93	94	68-130	1	20	
Dibromochloromethane	ug/kg	<243	1420	1420	1330	1300	93	92	70-130	2	20	
Dichlorodifluoromethane	ug/kg	<30.5	1420	1420	392	412	28	29	10-158	5	25	
Ethylbenzene	ug/kg	<16.9	1420	1420	1380	1400	97	99	78-120	1	20	
Isopropylbenzene (Cumene)	ug/kg	<19.2	1420	1420	1340	1350	94	95	70-130	1	20	
m&p-Xylene	ug/kg	<30.0	2840	2840	2630	2650	93	93	70-130	1	20	
Methyl-tert-butyl ether	ug/kg	<20.9	1420	1420	1330	1320	93	93	65-130	1	20	
Methylene Chloride	ug/kg	<19.7	1420	1420	1430	1490	100	105	70-130	4	20	
o-Xylene	ug/kg	<21.3	1420	1420	1340	1370	94	96	70-130	2	20	
Styrene	ug/kg	<18.2	1420	1420	1380	1370	97	97	70-130	1	20	
Tetrachloroethene	ug/kg	<27.6	1420	1420	1420	1380	100	97	70-130	3	20	
Toluene	ug/kg	<17.9	1420	1420	1380	1370	97	97	76-120	1	20	
trans-1,2-Dichloroethene	ug/kg	<15.3	1420	1420	1340	1380	94	97	70-130	3	20	
trans-1,3-Dichloropropene	ug/kg	<203	1420	1420	1290	1270	91	90	70-130	1	20	
Trichloroethene	ug/kg	<26.6	1420	1420	1450	1450	102	102	70-130	1	20	
Trichlorofluoromethane	ug/kg	<20.6	1420	1420	970	1050	68	74	42-159	8	21	
Vinyl chloride	ug/kg	<14.3	1420	1420	967	972	68	68	43-137	1	20	
1,2-Dichlorobenzene-d4 (S)	%						144	141	82-158			
4-Bromofluorobenzene (S)	%						161	162	66-153			1q,2q
Toluene-d8 (S)	%						144	140	67-159			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 8318 V+L STRIPPING
Pace Project No.: 40235795

QC Batch: 399864
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40235795001, 40235795002, 40235795003, 40235795004, 40235795005

SAMPLE DUPLICATE: 2308803

Parameter	Units	40235748001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.4	4.4	0	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 8318 V+L STRIPPING
Pace Project No.: 40235795

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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 at or above the adjusted LOD.

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

1q	Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from the analysis of the parent sample and MS that demonstrated similar interference).
2q	Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from the analysis of the parent sample and MSD that demonstrated similar interference).

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 8318 V+L STRIPPING
Pace Project No.: 40235795

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40235795001	**CGP1, 4-6'**	EPA 5035/5030B	400089	EPA 8260	400090
40235795002	**CGP2, 4-6'**	EPA 5035/5030B	400089	EPA 8260	400090
40235795003	**CGP3, 4-6'**	EPA 5035/5030B	400089	EPA 8260	400090
40235795004	**CGP4, 2-4'**	EPA 5035/5030B	400089	EPA 8260	400090
40235795005	**CGP5, 2-4'**	EPA 5035/5030B	400089	EPA 8260	400090
40235795001	**CGP1, 4-6'**	ASTM D2974-87	399864		
40235795002	**CGP2, 4-6'**	ASTM D2974-87	399864		
40235795003	**CGP3, 4-6'**	ASTM D2974-87	399864		
40235795004	**CGP4, 2-4'**	ASTM D2974-87	399864		
40235795005	**CGP5, 2-4'**	ASTM D2974-87	399864		

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1

40235795

Pace Analytical®
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CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	PEI
Branch/Location:	Wausau
Project Contact:	Andy DeCrotze
Phone:	715-675-9784
Project Number:	8318
Project Name:	U of L Stridium
Project State:	WI
Sampled By (Print):	Andy DeCrotze
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	AD
Mail To Company:	PEI
Mail To Address:	
Invoice To Contact:	AD
Invoice To Company:	PEI
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, W = Water
B = Biota, DW = Drinking Water
C = Charcoal, GW = Ground Water
O = Oil, SW = Surface Water
S = Soil, WW = Waste Water
SI = Sludge, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	CGP1, 4-6'	10/26/21	8:44	S	N	F	VOCs			
002	CGP2, 4-6'		9:09							
003	CGP3 4-6'		9:24							
004	CG14, 2-4'		9:41							
005	CG15, 2-4'		10:10							

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	10/26/21 1:12	Susan K Lykepaw	10/26/21 1312
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No. 40235795

Receipt Temp = 2 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present

Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Client Name: REI

Sample Preservation Receipt Form

Project # WO#35795

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

All containers needing preservation have been checked and noted below: ☐Yes ☐No ☒N/A

Initial when completed: Date/ Time:

Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted):

	Glass								Plastic					Vials						Jars				General							
Pace Lab #	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001																																	2.5 / 5 / 10
002																																	2.5 / 5 / 10
003																																	2.5 / 5 / 10
004																																	2.5 / 5 / 10
005																																	2.5 / 5 / 10
006																																	2.5 / 5 / 10
007																																	2.5 / 5 / 10
008																																	2.5 / 5 / 10
009																																	2.5 / 5 / 10
010																																	2.5 / 5 / 10
011																																	2.5 / 5 / 10
012																																	2.5 / 5 / 10
013																																	2.5 / 5 / 10
014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
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018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

10/26/21 MD

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other:_____ Headspace in VOA Vials (>6mm) : ☐Yes ☐No ☒N/A ***If yes look in headspace column**

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

Pace Analytical® 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: REI

Project #:

WO#: 40235795

40235795

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco
☒ Client ☐ Pace Other:

Tracking #: N/A

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

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

Thermometer Used SR - 14 105 10/26/21 **Type of Ice:** (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 1.5 /Corr: 2

Temp Blank Present: ☐ yes ☒ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Person examining contents:
Date: 10/26/21 Initials: MP

Labeled By Initials: RL

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	☒Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☒Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☒Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☒Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☒Yes	☐No		5.
- VOA Samples frozen upon receipt	☐Yes	☐No		Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes	☒No		6.
Rush Turn Around Time Requested:	☐Yes	☒No		7.
Sufficient Volume: For Analysis: ☒Yes ☐No	MS/MSD: ☐Yes	☒No	☐N/A	8.
Correct Containers Used:	☒Yes	☐No		9.
-Pace Containers Used:	☒Yes	☐No	☐N/A	
-Pace IR Containers Used:	☐Yes	☐No	☒N/A	
Containers Intact:	☒Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☒N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: S	☐Yes	☒No	☐N/A	12. No times on WPFMS 10/26/21MP 003 WG VGSM 9:27" 004 9:47" 10/26/21MP 10/26/21MP
Trip Blank Present:	☐Yes	☒No	☐N/A	13.
Trip Blank Custody Seals Present	☐Yes	☐No	☒N/A	
Pace Trip Blank Lot # (if purchased):				

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

Page 2 of 2

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

September 21, 2021

Andy Delforge
REI
4080 North 20th Avenue
Wausau, WI 54401

RE: Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Dear Andy Delforge:

Enclosed are the analytical results for sample(s) received by the laboratory on September 02, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,

Brian Basten
brian.basten@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Kaylin Felix, REI

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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CERTIFICATIONS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40232602001	**MW100**	Water	08/31/21 10:20	09/02/21 08:50
40232602002	**PZ1700**	Water	08/31/21 10:35	09/02/21 08:50
40232602003	**MW800**	Water	08/31/21 10:45	09/02/21 08:50
40232602004	**MW3200**	Water	08/31/21 11:00	09/02/21 08:50
40232602005	**MW1500**	Water	08/31/21 11:15	09/02/21 08:50
40232602006	**MW200**	Water	08/31/21 11:30	09/02/21 08:50
40232602007	**MW600V**	Water	08/31/21 12:30	09/02/21 08:50
40232602008	**MW1000**	Water	08/31/21 12:00	09/02/21 08:50
40232602009	**MW2100**	Water	08/31/21 13:00	09/02/21 08:50
40232602010	**MW2000V**	Water	08/31/21 13:30	09/02/21 08:50

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SAMPLE ANALYTE COUNT

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40232602001	**MW100**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	66	PASI-G
		HACH 8146	HNT	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
		SM 5310C	TJJ	1	PASI-G
40232602002	**PZ1700**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	66	PASI-G
		HACH 8146	HNT	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
		SM 5310C	TJJ	1	PASI-G
40232602003	**MW800**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	66	PASI-G
		HACH 8146	HNT	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
		SM 5310C	TJJ	1	PASI-G
40232602004	**MW3200**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	66	PASI-G
		HACH 8146	HNT	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
		SM 5310C	TJJ	1	PASI-G
40232602005	**MW1500**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	66	PASI-G
		HACH 8146	HNT	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
		SM 5310C	TJJ	1	PASI-G
40232602006	**MW200**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	66	PASI-G
		HACH 8146	HNT	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
		SM 5310C	TJJ	1	PASI-G
40232602007	**MW600V**	EPA 8015B Modified	ALD	3	PASI-G

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SAMPLE ANALYTE COUNT

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	66	PASI-G
		HACH 8146	HNT	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
		SM 5310C	TJJ	1	PASI-G
40232602008	**MW1000**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	66	PASI-G
		HACH 8146	HNT	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
		SM 5310C	TJJ	1	PASI-G
40232602009	**MW2100**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	66	PASI-G
		HACH 8146	HNT	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
		SM 5310C	TJJ	1	PASI-G
40232602010	**MW2000V**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	66	PASI-G
		HACH 8146	HNT	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
		SM 5310C	TJJ	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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PROJECT NARRATIVE

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Method: **EPA 8015B Modified**
Description: Methane, Ethane, Ethene GCV
Client: REI
Date: September 21, 2021

General Information:
10 samples were analyzed for EPA 8015B Modified by Pace Analytical Services Green Bay. 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.

H1: Analysis conducted outside the recognized method holding time.
- MW600V (Lab ID: 40232602007)
- MW800 (Lab ID: 40232602003)

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.

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: 395615

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40232602003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- MS (Lab ID: 2282482)
  - Methane
- MSD (Lab ID: 2282483)
  - Methane

Additional Comments:

Analyte Comments:

QC Batch: 395615

1q: Sample was originally analyzed within hold time, but was reanalyzed outside of hold due to a bad injection of the parent sample.
- MS (Lab ID: 2282482)
  - Methane

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PROJECT NARRATIVE

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Method: **EPA 8015B Modified**
Description: Methane, Ethane, Ethene GCV
Client: REI
Date: September 21, 2021

Analyte Comments:

QC Batch: 395615

1q: Sample was originally analyzed within hold time, but was reanalyzed outside of hold due to a bad injection of the parent sample.
- MS (Lab ID: 2282482)
  - Ethane
  - Ethene
- MSD (Lab ID: 2282483)
  - Methane
  - Ethane
  - Ethene

2q: Sample was originally analyzed within hold time, but was reanalyzed outside of hold due to a bad injection.
- MW800 (Lab ID: 40232602003)
  - Methane
  - Ethane
  - Ethene

3q: Sample was originally analyzed within hold time, but was reanalyzed outside of hold due to carryover.
- MW600V (Lab ID: 40232602007)
  - Methane

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PROJECT NARRATIVE

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Method: **EPA 6010D**
Description: 6010D MET ICP
Client: REI
Date: September 21, 2021

General Information:
10 samples were analyzed for EPA 6010D by Pace Analytical Services Green Bay. 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.

Sample Preparation:
The samples were prepared in accordance with EPA 3010A 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.

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.

Additional Comments:

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PROJECT NARRATIVE

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Method: **EPA 8260**
Description: 8260 MSV
Client: REI
Date: September 21, 2021

General Information:
10 samples were analyzed for EPA 8260 by Pace Analytical Services Green Bay. 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.

Additional Comments:

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(920)469-2436

PROJECT NARRATIVE

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Method: **HACH 8146**
Description: Iron, Ferrous
Client: REI
Date: September 21, 2021

General Information:
10 samples were analyzed for HACH 8146 by Pace Analytical Services Green Bay. 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.

H6: Analysis initiated outside of the 15 minute EPA required holding time.
- MW100 (Lab ID: 40232602001)
- MW1000 (Lab ID: 40232602008)
- MW1500 (Lab ID: 40232602005)
- MW200 (Lab ID: 40232602006)
- MW2000V (Lab ID: 40232602010)
- MW2100 (Lab ID: 40232602009)
- MW3200 (Lab ID: 40232602004)
- MW600V (Lab ID: 40232602007)
- MW800 (Lab ID: 40232602003)
- PZ1700 (Lab ID: 40232602002)

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.

Additional Comments:

Analyte Comments:

QC Batch: 395101

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
- PZ1700 (Lab ID: 40232602002)
  - Iron, Ferrous

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PROJECT NARRATIVE

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Method: **EPA 300.0**
Description: 300.0 IC Anions
Client: REI
Date: September 21, 2021

General Information:
10 samples were analyzed for EPA 300.0 by Pace Analytical Services Green Bay. 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.

H1: Analysis conducted outside the recognized method holding time.
- MW100 (Lab ID: 40232602001)
- MW1000 (Lab ID: 40232602008)
- MW1500 (Lab ID: 40232602005)
- MW200 (Lab ID: 40232602006)
- MW2000V (Lab ID: 40232602010)
- MW2100 (Lab ID: 40232602009)
- MW3200 (Lab ID: 40232602004)
- MW600V (Lab ID: 40232602007)
- MW800 (Lab ID: 40232602003)
- PZ1700 (Lab ID: 40232602002)

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.

Additional Comments:

Analyte Comments:

QC Batch: 394823

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
- MW100 (Lab ID: 40232602001)
  - Sulfate
  - Nitrate as N
- MW200 (Lab ID: 40232602006)
  - Sulfate
  - Nitrate as N
- MW3200 (Lab ID: 40232602004)
  - Nitrate as N
- MW800 (Lab ID: 40232602003)
  - Chloride
  - Sulfate

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(920)469-2436

PROJECT NARRATIVE

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Method: **EPA 300.0**
Description: 300.0 IC Anions
Client: REI
Date: September 21, 2021

Analyte Comments:

QC Batch: 394823

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- MW800 (Lab ID: 40232602003)
  - Nitrate as N

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PROJECT NARRATIVE

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Method: **SM 5310C**
Description: 5310C TOC
Client: REI
Date: September 21, 2021

General Information:
10 samples were analyzed for SM 5310C by Pace Analytical Services Green Bay. 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.

C4: Sample container did not meet EPA or method requirements.
- MW100 (Lab ID: 40232602001)
- MW1000 (Lab ID: 40232602008)
- MW1500 (Lab ID: 40232602005)
- MW200 (Lab ID: 40232602006)
- MW2000V (Lab ID: 40232602010)
- MW2100 (Lab ID: 40232602009)
- MW3200 (Lab ID: 40232602004)
- MW600V (Lab ID: 40232602007)
- MW800 (Lab ID: 40232602003)
- PZ1700 (Lab ID: 40232602002)

Hold Time:
The samples were analyzed within the method required hold times 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.

Additional Comments:

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

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(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW100 **Lab ID: 40232602001** Collected: 08/31/21 10:20 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		09/14/21 09:46	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		09/14/21 09:46	74-85-1	
Methane	**3300**	ug/L	112	23.0	40		09/14/21 11:42	74-82-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Manganese	**483**	ug/L	5.0	1.5	1	09/03/21 06:39	09/09/21 00:26	7439-96-5	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Acetone	**<864**	ug/L	2500	864	100		09/03/21 16:21	67-64-1	
Benzene	**<29.5**	ug/L	100	29.5	100		09/03/21 16:21	71-43-2	
Bromobenzene	**<36.1**	ug/L	100	36.1	100		09/03/21 16:21	108-86-1	
Bromochloromethane	**<35.8**	ug/L	500	35.8	100		09/03/21 16:21	74-97-5	
Bromodichloromethane	**<41.5**	ug/L	100	41.5	100		09/03/21 16:21	75-27-4	
Bromoform	**<380**	ug/L	500	380	100		09/03/21 16:21	75-25-2	
Bromomethane	**<119**	ug/L	500	119	100		09/03/21 16:21	74-83-9	
2-Butanone (MEK)	**<652**	ug/L	2500	652	100		09/03/21 16:21	78-93-3	
n-Butylbenzene	**<85.7**	ug/L	100	85.7	100		09/03/21 16:21	104-51-8	
sec-Butylbenzene	**<42.4**	ug/L	100	42.4	100		09/03/21 16:21	135-98-8	
tert-Butylbenzene	**<58.6**	ug/L	100	58.6	100		09/03/21 16:21	98-06-6	
Carbon tetrachloride	**<36.9**	ug/L	100	36.9	100		09/03/21 16:21	56-23-5	
Chlorobenzene	**<85.5**	ug/L	100	85.5	100		09/03/21 16:21	108-90-7	
Chloroethane	**<138**	ug/L	500	138	100		09/03/21 16:21	75-00-3	
Chloroform	**<118**	ug/L	500	118	100		09/03/21 16:21	67-66-3	
Chloromethane	**<164**	ug/L	500	164	100		09/03/21 16:21	74-87-3	
2-Chlorotoluene	**<89.0**	ug/L	500	89.0	100		09/03/21 16:21	95-49-8	
4-Chlorotoluene	**<89.4**	ug/L	500	89.4	100		09/03/21 16:21	106-43-4	
1,2-Dibromo-3-chloropropane	**<237**	ug/L	500	237	100		09/03/21 16:21	96-12-8	
Dibromochloromethane	**<264**	ug/L	500	264	100		09/03/21 16:21	124-48-1	
1,2-Dibromoethane (EDB)	**<30.9**	ug/L	100	30.9	100		09/03/21 16:21	106-93-4	
Dibromomethane	**<99.1**	ug/L	500	99.1	100		09/03/21 16:21	74-95-3	
1,2-Dichlorobenzene	**<32.6**	ug/L	100	32.6	100		09/03/21 16:21	95-50-1	
1,3-Dichlorobenzene	**<35.1**	ug/L	100	35.1	100		09/03/21 16:21	541-73-1	
1,4-Dichlorobenzene	**<89.2**	ug/L	100	89.2	100		09/03/21 16:21	106-46-7	
Dichlorodifluoromethane	**<45.5**	ug/L	500	45.5	100		09/03/21 16:21	75-71-8	
1,1-Dichloroethane	**<29.6**	ug/L	100	29.6	100		09/03/21 16:21	75-34-3	
1,2-Dichloroethane	**<29.2**	ug/L	100	29.2	100		09/03/21 16:21	107-06-2	
1,1-Dichloroethene	**<58.2**	ug/L	100	58.2	100		09/03/21 16:21	75-35-4	
cis-1,2-Dichloroethene	**4100**	ug/L	100	47.2	100		09/03/21 16:21	156-59-2	
trans-1,2-Dichloroethene	**435**	ug/L	100	52.8	100		09/03/21 16:21	156-60-5	
1,2-Dichloropropane	**<44.8**	ug/L	100	44.8	100		09/03/21 16:21	78-87-5	
1,3-Dichloropropane	**<30.5**	ug/L	100	30.5	100		09/03/21 16:21	142-28-9	
2,2-Dichloropropane	**<418**	ug/L	500	418	100		09/03/21 16:21	594-20-7	
1,1-Dichloropropene	**<41.0**	ug/L	100	41.0	100		09/03/21 16:21	563-58-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW100 **Lab ID: 40232602001** Collected: 08/31/21 10:20 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
cis-1,3-Dichloropropene	**<35.8**	ug/L	100	35.8	100		09/03/21 16:21	10061-01-5	
trans-1,3-Dichloropropene	**<346**	ug/L	500	346	100		09/03/21 16:21	10061-02-6	
Diisopropyl ether	**<110**	ug/L	500	110	100		09/03/21 16:21	108-20-3	
Ethylbenzene	**<32.5**	ug/L	100	32.5	100		09/03/21 16:21	100-41-4	
Hexachloro-1,3-butadiene	**<274**	ug/L	500	274	100		09/03/21 16:21	87-68-3	
Isopropylbenzene (Cumene)	**<100**	ug/L	500	100	100		09/03/21 16:21	98-82-8	
p-Isopropyltoluene	**<104**	ug/L	500	104	100		09/03/21 16:21	99-87-6	
Methylene Chloride	**<31.9**	ug/L	500	31.9	100		09/03/21 16:21	75-09-2	
Methyl-tert-butyl ether	**<113**	ug/L	500	113	100		09/03/21 16:21	1634-04-4	
Naphthalene	**<113**	ug/L	500	113	100		09/03/21 16:21	91-20-3	
n-Propylbenzene	**<34.5**	ug/L	100	34.5	100		09/03/21 16:21	103-65-1	
Styrene	**<35.6**	ug/L	100	35.6	100		09/03/21 16:21	100-42-5	
1,1,1,2-Tetrachloroethane	**<35.5**	ug/L	100	35.5	100		09/03/21 16:21	630-20-6	
1,1,2,2-Tetrachloroethane	**<37.8**	ug/L	100	37.8	100		09/03/21 16:21	79-34-5	
Tetrachloroethene	**<40.9**	ug/L	100	40.9	100		09/03/21 16:21	127-18-4	
Toluene	**<28.8**	ug/L	100	28.8	100		09/03/21 16:21	108-88-3	
1,2,3-Trichlorobenzene	**<102**	ug/L	500	102	100		09/03/21 16:21	87-61-6	
1,2,4-Trichlorobenzene	**<95.1**	ug/L	500	95.1	100		09/03/21 16:21	120-82-1	
1,1,1-Trichloroethane	**<30.3**	ug/L	100	30.3	100		09/03/21 16:21	71-55-6	
1,1,2-Trichloroethane	**<34.4**	ug/L	500	34.4	100		09/03/21 16:21	79-00-5	
Trichloroethene	**<32.0**	ug/L	100	32.0	100		09/03/21 16:21	79-01-6	
Trichlorofluoromethane	**<41.9**	ug/L	100	41.9	100		09/03/21 16:21	75-69-4	
1,2,3-Trichloropropane	**<55.5**	ug/L	500	55.5	100		09/03/21 16:21	96-18-4	
1,2,4-Trimethylbenzene	**<44.9**	ug/L	100	44.9	100		09/03/21 16:21	95-63-6	
1,3,5-Trimethylbenzene	**<35.7**	ug/L	100	35.7	100		09/03/21 16:21	108-67-8	
Vinyl chloride	**19.7J**	ug/L	100	17.4	100		09/03/21 16:21	75-01-4	
m&p-Xylene	**<70.0**	ug/L	200	70.0	100		09/03/21 16:21	179601-23-1	
o-Xylene	**<34.8**	ug/L	100	34.8	100		09/03/21 16:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		100		09/03/21 16:21	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		100		09/03/21 16:21	2199-69-1	
Toluene-d8 (S)	94	%	70-130		100		09/03/21 16:21	2037-26-5	
Iron, Ferrous	Analytical Method: HACH 8146								
	Pace Analytical Services - Green Bay								
Iron, Ferrous	**0.69J**	mg/L	1.7	0.52	25		09/08/21 11:33		H6
300.0 IC Anions	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride	**47.1**	mg/L	10.0	2.2	5		09/02/21 11:25	16887-00-6	
Nitrate as N	**<0.22**	mg/L	0.75	0.22	5		09/02/21 11:25	14797-55-8	D3,H1
Sulfate	**<2.2**	mg/L	10.0	2.2	5		09/02/21 11:25	14808-79-8	D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW100 **Lab ID: 40232602001** Collected: 08/31/21 10:20 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Total Organic Carbon	**29.5**	mg/L	15.0	4.2	30		09/17/21 18:12	7440-44-0	C4

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: PZ1700 **Lab ID: 40232602002** Collected: 08/31/21 10:35 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		09/14/21 09:52	74-84-0	
Ethene	**5.5**	ug/L	5.0	0.25	1		09/14/21 09:52	74-85-1	
Methane	**407**	ug/L	14.0	2.9	5		09/14/21 11:49	74-82-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Manganese	**426**	ug/L	5.0	1.5	1	09/03/21 06:39	09/09/21 00:28	7439-96-5	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Acetone	**<8.6**	ug/L	25.0	8.6	1		09/03/21 13:14	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		09/03/21 13:14	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		09/03/21 13:14	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		09/03/21 13:14	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		09/03/21 13:14	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		09/03/21 13:14	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		09/03/21 13:14	74-83-9	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		09/03/21 13:14	78-93-3	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		09/03/21 13:14	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		09/03/21 13:14	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		09/03/21 13:14	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		09/03/21 13:14	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		09/03/21 13:14	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		09/03/21 13:14	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		09/03/21 13:14	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		09/03/21 13:14	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		09/03/21 13:14	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		09/03/21 13:14	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		09/03/21 13:14	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		09/03/21 13:14	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		09/03/21 13:14	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		09/03/21 13:14	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		09/03/21 13:14	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		09/03/21 13:14	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		09/03/21 13:14	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		09/03/21 13:14	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		09/03/21 13:14	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		09/03/21 13:14	107-06-2	
1,1-Dichloroethene	**5.1**	ug/L	1.0	0.58	1		09/03/21 13:14	75-35-4	
cis-1,2-Dichloroethene	**15200**	ug/L	100	47.2	100		09/07/21 12:32	156-59-2	
trans-1,2-Dichloroethene	**404**	ug/L	100	52.8	100		09/07/21 12:32	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		09/03/21 13:14	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		09/03/21 13:14	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		09/03/21 13:14	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		09/03/21 13:14	563-58-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: PZ1700 **Lab ID: 40232602002** Collected: 08/31/21 10:35 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		09/03/21 13:14	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		09/03/21 13:14	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		09/03/21 13:14	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		09/03/21 13:14	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		09/03/21 13:14	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		09/03/21 13:14	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		09/03/21 13:14	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		09/03/21 13:14	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		09/03/21 13:14	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		09/03/21 13:14	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		09/03/21 13:14	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		09/03/21 13:14	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		09/03/21 13:14	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		09/03/21 13:14	79-34-5	
Tetrachloroethene	**12600**	ug/L	100	40.9	100		09/07/21 12:32	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		09/03/21 13:14	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		09/03/21 13:14	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		09/03/21 13:14	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		09/03/21 13:14	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		09/03/21 13:14	79-00-5	
Trichloroethene	**9440**	ug/L	100	32.0	100		09/07/21 12:32	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		09/03/21 13:14	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		09/03/21 13:14	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		09/03/21 13:14	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		09/03/21 13:14	108-67-8	
Vinyl chloride	**47.1**	ug/L	1.0	0.17	1		09/03/21 13:14	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		09/03/21 13:14	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		09/03/21 13:14	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		09/03/21 13:14	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		09/03/21 13:14	2199-69-1	
Toluene-d8 (S)	93	%	70-130		1		09/03/21 13:14	2037-26-5	
Iron, Ferrous	Analytical Method: HACH 8146								
	Pace Analytical Services - Green Bay								
Iron, Ferrous	**0.079**	mg/L	0.069	0.021	1		09/08/21 12:02		D3,H6
300.0 IC Anions	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride	**68.6**	mg/L	10.0	2.2	5		09/03/21 18:14	16887-00-6	
Nitrate as N	**<0.044**	mg/L	0.15	0.044	1		09/02/21 11:40	14797-55-8	H1
Sulfate	**18.0**	mg/L	2.0	0.44	1		09/02/21 11:40	14808-79-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: PZ1700 **Lab ID: 40232602002** Collected: 08/31/21 10:35 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Total Organic Carbon	**10.8**	mg/L	3.0	0.83	6		09/17/21 18:56	7440-44-0	C4

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW800 **Lab ID: 40232602003** Collected: 08/31/21 10:45 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		09/16/21 16:25	74-84-0	2q,H1
Ethene	**<0.25**	ug/L	5.0	0.25	1		09/16/21 16:25	74-85-1	2q,H1
Methane	**1450**	ug/L	28.0	5.8	10		09/16/21 16:41	74-82-8	2q,H1, M1
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Manganese	**30.2**	ug/L	5.0	1.5	1	09/03/21 06:39	09/09/21 00:31	7439-96-5	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Acetone	**<43.2**	ug/L	125	43.2	5		09/07/21 12:13	67-64-1	
Benzene	**<1.5**	ug/L	5.0	1.5	5		09/07/21 12:13	71-43-2	
Bromobenzene	**<1.8**	ug/L	5.0	1.8	5		09/07/21 12:13	108-86-1	
Bromochloromethane	**<1.8**	ug/L	25.0	1.8	5		09/07/21 12:13	74-97-5	
Bromodichloromethane	**<2.1**	ug/L	5.0	2.1	5		09/07/21 12:13	75-27-4	
Bromoform	**<19.0**	ug/L	25.0	19.0	5		09/07/21 12:13	75-25-2	
Bromomethane	**<6.0**	ug/L	25.0	6.0	5		09/07/21 12:13	74-83-9	
2-Butanone (MEK)	**<32.6**	ug/L	125	32.6	5		09/07/21 12:13	78-93-3	
n-Butylbenzene	**<4.3**	ug/L	5.0	4.3	5		09/07/21 12:13	104-51-8	
sec-Butylbenzene	**<2.1**	ug/L	5.0	2.1	5		09/07/21 12:13	135-98-8	
tert-Butylbenzene	**<2.9**	ug/L	5.0	2.9	5		09/07/21 12:13	98-06-6	
Carbon tetrachloride	**<1.8**	ug/L	5.0	1.8	5		09/07/21 12:13	56-23-5	
Chlorobenzene	**<4.3**	ug/L	5.0	4.3	5		09/07/21 12:13	108-90-7	
Chloroethane	**<6.9**	ug/L	25.0	6.9	5		09/07/21 12:13	75-00-3	
Chloroform	**<5.9**	ug/L	25.0	5.9	5		09/07/21 12:13	67-66-3	
Chloromethane	**<8.2**	ug/L	25.0	8.2	5		09/07/21 12:13	74-87-3	
2-Chlorotoluene	**<4.4**	ug/L	25.0	4.4	5		09/07/21 12:13	95-49-8	
4-Chlorotoluene	**<4.5**	ug/L	25.0	4.5	5		09/07/21 12:13	106-43-4	
1,2-Dibromo-3-chloropropane	**<11.8**	ug/L	25.0	11.8	5		09/07/21 12:13	96-12-8	
Dibromochloromethane	**<13.2**	ug/L	25.0	13.2	5		09/07/21 12:13	124-48-1	
1,2-Dibromoethane (EDB)	**<1.5**	ug/L	5.0	1.5	5		09/07/21 12:13	106-93-4	
Dibromomethane	**<5.0**	ug/L	25.0	5.0	5		09/07/21 12:13	74-95-3	
1,2-Dichlorobenzene	**<1.6**	ug/L	5.0	1.6	5		09/07/21 12:13	95-50-1	
1,3-Dichlorobenzene	**<1.8**	ug/L	5.0	1.8	5		09/07/21 12:13	541-73-1	
1,4-Dichlorobenzene	**<4.5**	ug/L	5.0	4.5	5		09/07/21 12:13	106-46-7	
Dichlorodifluoromethane	**<2.3**	ug/L	25.0	2.3	5		09/07/21 12:13	75-71-8	
1,1-Dichloroethane	**<1.5**	ug/L	5.0	1.5	5		09/07/21 12:13	75-34-3	
1,2-Dichloroethane	**<1.5**	ug/L	5.0	1.5	5		09/07/21 12:13	107-06-2	
1,1-Dichloroethene	**<2.9**	ug/L	5.0	2.9	5		09/07/21 12:13	75-35-4	
cis-1,2-Dichloroethene	**312**	ug/L	5.0	2.4	5		09/07/21 12:13	156-59-2	
trans-1,2-Dichloroethene	**6.8**	ug/L	5.0	2.6	5		09/07/21 12:13	156-60-5	
1,2-Dichloropropane	**<2.2**	ug/L	5.0	2.2	5		09/07/21 12:13	78-87-5	
1,3-Dichloropropane	**<1.5**	ug/L	5.0	1.5	5		09/07/21 12:13	142-28-9	
2,2-Dichloropropane	**<20.9**	ug/L	25.0	20.9	5		09/07/21 12:13	594-20-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW800 **Lab ID: 40232602003** Collected: 08/31/21 10:45 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1-Dichloropropene	**<2.1**	ug/L	5.0	2.1	5		09/07/21 12:13	563-58-6	
cis-1,3-Dichloropropene	**<1.8**	ug/L	5.0	1.8	5		09/07/21 12:13	10061-01-5	
trans-1,3-Dichloropropene	**<17.3**	ug/L	25.0	17.3	5		09/07/21 12:13	10061-02-6	
Diisopropyl ether	**<5.5**	ug/L	25.0	5.5	5		09/07/21 12:13	108-20-3	
Ethylbenzene	**<1.6**	ug/L	5.0	1.6	5		09/07/21 12:13	100-41-4	
Hexachloro-1,3-butadiene	**<13.7**	ug/L	25.0	13.7	5		09/07/21 12:13	87-68-3	
Isopropylbenzene (Cumene)	**<5.0**	ug/L	25.0	5.0	5		09/07/21 12:13	98-82-8	
p-Isopropyltoluene	**<5.2**	ug/L	25.0	5.2	5		09/07/21 12:13	99-87-6	
Methylene Chloride	**<1.6**	ug/L	25.0	1.6	5		09/07/21 12:13	75-09-2	
Methyl-tert-butyl ether	**<5.6**	ug/L	25.0	5.6	5		09/07/21 12:13	1634-04-4	
Naphthalene	**<5.6**	ug/L	25.0	5.6	5		09/07/21 12:13	91-20-3	
n-Propylbenzene	**<1.7**	ug/L	5.0	1.7	5		09/07/21 12:13	103-65-1	
Styrene	**<1.8**	ug/L	5.0	1.8	5		09/07/21 12:13	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.8**	ug/L	5.0	1.8	5		09/07/21 12:13	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.9**	ug/L	5.0	1.9	5		09/07/21 12:13	79-34-5	
Tetrachloroethene	**467**	ug/L	5.0	2.0	5		09/07/21 12:13	127-18-4	
Toluene	**<1.4**	ug/L	5.0	1.4	5		09/07/21 12:13	108-88-3	
1,2,3-Trichlorobenzene	**<5.1**	ug/L	25.0	5.1	5		09/07/21 12:13	87-61-6	
1,2,4-Trichlorobenzene	**<4.8**	ug/L	25.0	4.8	5		09/07/21 12:13	120-82-1	
1,1,1-Trichloroethane	**<1.5**	ug/L	5.0	1.5	5		09/07/21 12:13	71-55-6	
1,1,2-Trichloroethane	**<1.7**	ug/L	25.0	1.7	5		09/07/21 12:13	79-00-5	
Trichloroethene	**228**	ug/L	5.0	1.6	5		09/07/21 12:13	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	5.0	2.1	5		09/07/21 12:13	75-69-4	
1,2,3-Trichloropropane	**<2.8**	ug/L	25.0	2.8	5		09/07/21 12:13	96-18-4	
1,2,4-Trimethylbenzene	**<2.2**	ug/L	5.0	2.2	5		09/07/21 12:13	95-63-6	
1,3,5-Trimethylbenzene	**<1.8**	ug/L	5.0	1.8	5		09/07/21 12:13	108-67-8	
Vinyl chloride	**<0.87**	ug/L	5.0	0.87	5		09/07/21 12:13	75-01-4	
m&p-Xylene	**<3.5**	ug/L	10.0	3.5	5		09/07/21 12:13	179601-23-1	
o-Xylene	**<1.7**	ug/L	5.0	1.7	5		09/07/21 12:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		5		09/07/21 12:13	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		5		09/07/21 12:13	2199-69-1	
Toluene-d8 (S)	95	%	70-130		5		09/07/21 12:13	2037-26-5	
Iron, Ferrous	Analytical Method: HACH 8146								
	Pace Analytical Services - Green Bay								
Iron, Ferrous	**0.14**	mg/L	0.069	0.021	1		09/08/21 12:07		H6
300.0 IC Anions	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride	**4.0J**	mg/L	10.0	2.2	5		09/02/21 11:54	16887-00-6	D3
Nitrate as N	**<0.22**	mg/L	0.75	0.22	5		09/02/21 11:54	14797-55-8	D3,H1
Sulfate	**<2.2**	mg/L	10.0	2.2	5		09/02/21 11:54	14808-79-8	D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW800 **Lab ID: 40232602003** Collected: 08/31/21 10:45 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Total Organic Carbon	**7.6**	mg/L	0.50	0.14	1		09/17/21 20:01	7440-44-0	C4

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW3200 **Lab ID: 40232602004** Collected: 08/31/21 11:00 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		09/14/21 10:06	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		09/14/21 10:06	74-85-1	
Methane	**28.0**	ug/L	2.8	0.58	1		09/14/21 10:06	74-82-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Manganese	**157**	ug/L	5.0	1.5	1	09/03/21 06:39	09/09/21 00:33	7439-96-5	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Acetone	**<8.6**	ug/L	25.0	8.6	1		09/07/21 11:35	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		09/07/21 11:35	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		09/07/21 11:35	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		09/07/21 11:35	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		09/07/21 11:35	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		09/07/21 11:35	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		09/07/21 11:35	74-83-9	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		09/07/21 11:35	78-93-3	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		09/07/21 11:35	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		09/07/21 11:35	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		09/07/21 11:35	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		09/07/21 11:35	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		09/07/21 11:35	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		09/07/21 11:35	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		09/07/21 11:35	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		09/07/21 11:35	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		09/07/21 11:35	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		09/07/21 11:35	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		09/07/21 11:35	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		09/07/21 11:35	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		09/07/21 11:35	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		09/07/21 11:35	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		09/07/21 11:35	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		09/07/21 11:35	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		09/07/21 11:35	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		09/07/21 11:35	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		09/07/21 11:35	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		09/07/21 11:35	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		09/07/21 11:35	75-35-4	
cis-1,2-Dichloroethene	**22.7**	ug/L	1.0	0.47	1		09/07/21 11:35	156-59-2	
trans-1,2-Dichloroethene	**0.98J**	ug/L	1.0	0.53	1		09/07/21 11:35	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		09/07/21 11:35	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		09/07/21 11:35	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		09/07/21 11:35	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		09/07/21 11:35	563-58-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW3200 **Lab ID: 40232602004** Collected: 08/31/21 11:00 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		09/07/21 11:35	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		09/07/21 11:35	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		09/07/21 11:35	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		09/07/21 11:35	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		09/07/21 11:35	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		09/07/21 11:35	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		09/07/21 11:35	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		09/07/21 11:35	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		09/07/21 11:35	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		09/07/21 11:35	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		09/07/21 11:35	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		09/07/21 11:35	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		09/07/21 11:35	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		09/07/21 11:35	79-34-5	
Tetrachloroethene	**99.4**	ug/L	1.0	0.41	1		09/07/21 11:35	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		09/07/21 11:35	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		09/07/21 11:35	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		09/07/21 11:35	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		09/07/21 11:35	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		09/07/21 11:35	79-00-5	
Trichloroethene	**33.8**	ug/L	1.0	0.32	1		09/07/21 11:35	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		09/07/21 11:35	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		09/07/21 11:35	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		09/07/21 11:35	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		09/07/21 11:35	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		09/07/21 11:35	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		09/07/21 11:35	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		09/07/21 11:35	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		09/07/21 11:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		09/07/21 11:35	2199-69-1	
Toluene-d8 (S)	95	%	70-130		1		09/07/21 11:35	2037-26-5	
Iron, Ferrous	Analytical Method: HACH 8146								
	Pace Analytical Services - Green Bay								
Iron, Ferrous	**0.50**	mg/L	0.069	0.021	1		09/08/21 12:11		H6
300.0 IC Anions	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride	**55.7**	mg/L	10.0	2.2	5		09/02/21 12:08	16887-00-6	
Nitrate as N	**<0.22**	mg/L	0.75	0.22	5		09/02/21 12:08	14797-55-8	D3,H1
Sulfate	**63.3**	mg/L	10.0	2.2	5		09/02/21 12:08	14808-79-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW3200 **Lab ID: 40232602004** Collected: 08/31/21 11:00 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Total Organic Carbon	**6.4**	mg/L	0.50	0.14	1		09/17/21 20:17	7440-44-0	C4

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW1500 **Lab ID: 40232602005** Collected: 08/31/21 11:15 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		09/14/21 10:13	74-84-0	
Ethene	**11.0**	ug/L	5.0	0.25	1		09/14/21 10:13	74-85-1	
Methane	**2180**	ug/L	70.0	14.4	25		09/14/21 11:56	74-82-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Manganese	**671**	ug/L	5.0	1.5	1	09/03/21 06:39	09/09/21 00:36	7439-96-5	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Acetone	**<43.2**	ug/L	125	43.2	5		09/03/21 16:58	67-64-1	
Benzene	**<1.5**	ug/L	5.0	1.5	5		09/03/21 16:58	71-43-2	
Bromobenzene	**<1.8**	ug/L	5.0	1.8	5		09/03/21 16:58	108-86-1	
Bromochloromethane	**<1.8**	ug/L	25.0	1.8	5		09/03/21 16:58	74-97-5	
Bromodichloromethane	**<2.1**	ug/L	5.0	2.1	5		09/03/21 16:58	75-27-4	
Bromoform	**<19.0**	ug/L	25.0	19.0	5		09/03/21 16:58	75-25-2	
Bromomethane	**<6.0**	ug/L	25.0	6.0	5		09/03/21 16:58	74-83-9	
2-Butanone (MEK)	**<32.6**	ug/L	125	32.6	5		09/03/21 16:58	78-93-3	
n-Butylbenzene	**<4.3**	ug/L	5.0	4.3	5		09/03/21 16:58	104-51-8	
sec-Butylbenzene	**<2.1**	ug/L	5.0	2.1	5		09/03/21 16:58	135-98-8	
tert-Butylbenzene	**<2.9**	ug/L	5.0	2.9	5		09/03/21 16:58	98-06-6	
Carbon tetrachloride	**<1.8**	ug/L	5.0	1.8	5		09/03/21 16:58	56-23-5	
Chlorobenzene	**<4.3**	ug/L	5.0	4.3	5		09/03/21 16:58	108-90-7	
Chloroethane	**<6.9**	ug/L	25.0	6.9	5		09/03/21 16:58	75-00-3	
Chloroform	**<5.9**	ug/L	25.0	5.9	5		09/03/21 16:58	67-66-3	
Chloromethane	**<8.2**	ug/L	25.0	8.2	5		09/03/21 16:58	74-87-3	
2-Chlorotoluene	**<4.4**	ug/L	25.0	4.4	5		09/03/21 16:58	95-49-8	
4-Chlorotoluene	**<4.5**	ug/L	25.0	4.5	5		09/03/21 16:58	106-43-4	
1,2-Dibromo-3-chloropropane	**<11.8**	ug/L	25.0	11.8	5		09/03/21 16:58	96-12-8	
Dibromochloromethane	**<13.2**	ug/L	25.0	13.2	5		09/03/21 16:58	124-48-1	
1,2-Dibromoethane (EDB)	**<1.5**	ug/L	5.0	1.5	5		09/03/21 16:58	106-93-4	
Dibromomethane	**<5.0**	ug/L	25.0	5.0	5		09/03/21 16:58	74-95-3	
1,2-Dichlorobenzene	**<1.6**	ug/L	5.0	1.6	5		09/03/21 16:58	95-50-1	
1,3-Dichlorobenzene	**<1.8**	ug/L	5.0	1.8	5		09/03/21 16:58	541-73-1	
1,4-Dichlorobenzene	**<4.5**	ug/L	5.0	4.5	5		09/03/21 16:58	106-46-7	
Dichlorodifluoromethane	**<2.3**	ug/L	25.0	2.3	5		09/03/21 16:58	75-71-8	
1,1-Dichloroethane	**<1.5**	ug/L	5.0	1.5	5		09/03/21 16:58	75-34-3	
1,2-Dichloroethane	**<1.5**	ug/L	5.0	1.5	5		09/03/21 16:58	107-06-2	
1,1-Dichloroethene	**<2.9**	ug/L	5.0	2.9	5		09/03/21 16:58	75-35-4	
cis-1,2-Dichloroethene	**387**	ug/L	5.0	2.4	5		09/03/21 16:58	156-59-2	
trans-1,2-Dichloroethene	**180**	ug/L	5.0	2.6	5		09/03/21 16:58	156-60-5	
1,2-Dichloropropane	**<2.2**	ug/L	5.0	2.2	5		09/03/21 16:58	78-87-5	
1,3-Dichloropropane	**<1.5**	ug/L	5.0	1.5	5		09/03/21 16:58	142-28-9	
2,2-Dichloropropane	**<20.9**	ug/L	25.0	20.9	5		09/03/21 16:58	594-20-7	
1,1-Dichloropropene	**<2.1**	ug/L	5.0	2.1	5		09/03/21 16:58	563-58-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW1500 **Lab ID: 40232602005** Collected: 08/31/21 11:15 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
cis-1,3-Dichloropropene	**<1.8**	ug/L	5.0	1.8	5		09/03/21 16:58	10061-01-5	
trans-1,3-Dichloropropene	**<17.3**	ug/L	25.0	17.3	5		09/03/21 16:58	10061-02-6	
Diisopropyl ether	**<5.5**	ug/L	25.0	5.5	5		09/03/21 16:58	108-20-3	
Ethylbenzene	**<1.6**	ug/L	5.0	1.6	5		09/03/21 16:58	100-41-4	
Hexachloro-1,3-butadiene	**<13.7**	ug/L	25.0	13.7	5		09/03/21 16:58	87-68-3	
Isopropylbenzene (Cumene)	**<5.0**	ug/L	25.0	5.0	5		09/03/21 16:58	98-82-8	
p-Isopropyltoluene	**<5.2**	ug/L	25.0	5.2	5		09/03/21 16:58	99-87-6	
Methylene Chloride	**<1.6**	ug/L	25.0	1.6	5		09/03/21 16:58	75-09-2	
Methyl-tert-butyl ether	**<5.6**	ug/L	25.0	5.6	5		09/03/21 16:58	1634-04-4	
Naphthalene	**<5.6**	ug/L	25.0	5.6	5		09/03/21 16:58	91-20-3	
n-Propylbenzene	**<1.7**	ug/L	5.0	1.7	5		09/03/21 16:58	103-65-1	
Styrene	**<1.8**	ug/L	5.0	1.8	5		09/03/21 16:58	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.8**	ug/L	5.0	1.8	5		09/03/21 16:58	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.9**	ug/L	5.0	1.9	5		09/03/21 16:58	79-34-5	
Tetrachloroethene	**38.3**	ug/L	5.0	2.0	5		09/03/21 16:58	127-18-4	
Toluene	**<1.4**	ug/L	5.0	1.4	5		09/03/21 16:58	108-88-3	
1,2,3-Trichlorobenzene	**<5.1**	ug/L	25.0	5.1	5		09/03/21 16:58	87-61-6	
1,2,4-Trichlorobenzene	**<4.8**	ug/L	25.0	4.8	5		09/03/21 16:58	120-82-1	
1,1,1-Trichloroethane	**<1.5**	ug/L	5.0	1.5	5		09/03/21 16:58	71-55-6	
1,1,2-Trichloroethane	**<1.7**	ug/L	25.0	1.7	5		09/03/21 16:58	79-00-5	
Trichloroethene	**12.4**	ug/L	5.0	1.6	5		09/03/21 16:58	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	5.0	2.1	5		09/03/21 16:58	75-69-4	
1,2,3-Trichloropropane	**<2.8**	ug/L	25.0	2.8	5		09/03/21 16:58	96-18-4	
1,2,4-Trimethylbenzene	**<2.2**	ug/L	5.0	2.2	5		09/03/21 16:58	95-63-6	
1,3,5-Trimethylbenzene	**<1.8**	ug/L	5.0	1.8	5		09/03/21 16:58	108-67-8	
Vinyl chloride	**41.5**	ug/L	5.0	0.87	5		09/03/21 16:58	75-01-4	
m&p-Xylene	**<3.5**	ug/L	10.0	3.5	5		09/03/21 16:58	179601-23-1	
o-Xylene	**<1.7**	ug/L	5.0	1.7	5		09/03/21 16:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		5		09/03/21 16:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		5		09/03/21 16:58	2199-69-1	
Toluene-d8 (S)	94	%	70-130		5		09/03/21 16:58	2037-26-5	
Iron, Ferrous	Analytical Method: HACH 8146								
	Pace Analytical Services - Green Bay								
Iron, Ferrous	**0.10**	mg/L	0.069	0.021	1		09/08/21 12:15		H6
300.0 IC Anions	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride	**109**	mg/L	10.0	2.2	5		09/03/21 18:29	16887-00-6	
Nitrate as N	**<0.044**	mg/L	0.15	0.044	1		09/02/21 12:23	14797-55-8	H1
Sulfate	**78.6**	mg/L	10.0	2.2	5		09/03/21 18:29	14808-79-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW1500 **Lab ID: 40232602005** Collected: 08/31/21 11:15 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Total Organic Carbon	**12.9**	mg/L	3.0	0.83	6		09/17/21 20:32	7440-44-0	C4

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW200 **Lab ID: 40232602006** Collected: 08/31/21 11:30 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		09/14/21 10:20	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		09/14/21 10:20	74-85-1	
Methane	**5720**	ug/L	140	28.8	50		09/14/21 12:03	74-82-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Manganese	**312**	ug/L	5.0	1.5	1	09/03/21 06:39	09/09/21 00:38	7439-96-5	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Acetone	**<17.3**	ug/L	50.0	17.3	2		09/07/21 11:54	67-64-1	
Benzene	**<0.59**	ug/L	2.0	0.59	2		09/07/21 11:54	71-43-2	
Bromobenzene	**<0.72**	ug/L	2.0	0.72	2		09/07/21 11:54	108-86-1	
Bromochloromethane	**<0.72**	ug/L	10.0	0.72	2		09/07/21 11:54	74-97-5	
Bromodichloromethane	**<0.83**	ug/L	2.0	0.83	2		09/07/21 11:54	75-27-4	
Bromoform	**<7.6**	ug/L	10.0	7.6	2		09/07/21 11:54	75-25-2	
Bromomethane	**<2.4**	ug/L	10.0	2.4	2		09/07/21 11:54	74-83-9	
2-Butanone (MEK)	**<13.0**	ug/L	50.0	13.0	2		09/07/21 11:54	78-93-3	
n-Butylbenzene	**<1.7**	ug/L	2.0	1.7	2		09/07/21 11:54	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	2.0	0.85	2		09/07/21 11:54	135-98-8	
tert-Butylbenzene	**<1.2**	ug/L	2.0	1.2	2		09/07/21 11:54	98-06-6	
Carbon tetrachloride	**<0.74**	ug/L	2.0	0.74	2		09/07/21 11:54	56-23-5	
Chlorobenzene	**<1.7**	ug/L	2.0	1.7	2		09/07/21 11:54	108-90-7	
Chloroethane	**<2.8**	ug/L	10.0	2.8	2		09/07/21 11:54	75-00-3	
Chloroform	**<2.4**	ug/L	10.0	2.4	2		09/07/21 11:54	67-66-3	
Chloromethane	**<3.3**	ug/L	10.0	3.3	2		09/07/21 11:54	74-87-3	
2-Chlorotoluene	**<1.8**	ug/L	10.0	1.8	2		09/07/21 11:54	95-49-8	
4-Chlorotoluene	**<1.8**	ug/L	10.0	1.8	2		09/07/21 11:54	106-43-4	
1,2-Dibromo-3-chloropropane	**<4.7**	ug/L	10.0	4.7	2		09/07/21 11:54	96-12-8	
Dibromochloromethane	**<5.3**	ug/L	10.0	5.3	2		09/07/21 11:54	124-48-1	
1,2-Dibromoethane (EDB)	**<0.62**	ug/L	2.0	0.62	2		09/07/21 11:54	106-93-4	
Dibromomethane	**<2.0**	ug/L	10.0	2.0	2		09/07/21 11:54	74-95-3	
1,2-Dichlorobenzene	**<0.65**	ug/L	2.0	0.65	2		09/07/21 11:54	95-50-1	
1,3-Dichlorobenzene	**<0.70**	ug/L	2.0	0.70	2		09/07/21 11:54	541-73-1	
1,4-Dichlorobenzene	**<1.8**	ug/L	2.0	1.8	2		09/07/21 11:54	106-46-7	
Dichlorodifluoromethane	**<0.91**	ug/L	10.0	0.91	2		09/07/21 11:54	75-71-8	
1,1-Dichloroethane	**<0.59**	ug/L	2.0	0.59	2		09/07/21 11:54	75-34-3	
1,2-Dichloroethane	**<0.58**	ug/L	2.0	0.58	2		09/07/21 11:54	107-06-2	
1,1-Dichloroethene	**<1.2**	ug/L	2.0	1.2	2		09/07/21 11:54	75-35-4	
cis-1,2-Dichloroethene	**239**	ug/L	2.0	0.94	2		09/07/21 11:54	156-59-2	
trans-1,2-Dichloroethene	**334**	ug/L	2.0	1.1	2		09/07/21 11:54	156-60-5	
1,2-Dichloropropane	**<0.90**	ug/L	2.0	0.90	2		09/07/21 11:54	78-87-5	
1,3-Dichloropropane	**<0.61**	ug/L	2.0	0.61	2		09/07/21 11:54	142-28-9	
2,2-Dichloropropane	**<8.4**	ug/L	10.0	8.4	2		09/07/21 11:54	594-20-7	
1,1-Dichloropropene	**<0.82**	ug/L	2.0	0.82	2		09/07/21 11:54	563-58-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW200 **Lab ID: 40232602006** Collected: 08/31/21 11:30 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
cis-1,3-Dichloropropene	**<0.72**	ug/L	2.0	0.72	2		09/07/21 11:54	10061-01-5	
trans-1,3-Dichloropropene	**<6.9**	ug/L	10.0	6.9	2		09/07/21 11:54	10061-02-6	
Diisopropyl ether	**<2.2**	ug/L	10.0	2.2	2		09/07/21 11:54	108-20-3	
Ethylbenzene	**<0.65**	ug/L	2.0	0.65	2		09/07/21 11:54	100-41-4	
Hexachloro-1,3-butadiene	**<5.5**	ug/L	10.0	5.5	2		09/07/21 11:54	87-68-3	
Isopropylbenzene (Cumene)	**<2.0**	ug/L	10.0	2.0	2		09/07/21 11:54	98-82-8	
p-Isopropyltoluene	**<2.1**	ug/L	10.0	2.1	2		09/07/21 11:54	99-87-6	
Methylene Chloride	**<0.64**	ug/L	10.0	0.64	2		09/07/21 11:54	75-09-2	
Methyl-tert-butyl ether	**<2.3**	ug/L	10.0	2.3	2		09/07/21 11:54	1634-04-4	
Naphthalene	**<2.3**	ug/L	10.0	2.3	2		09/07/21 11:54	91-20-3	
n-Propylbenzene	**<0.69**	ug/L	2.0	0.69	2		09/07/21 11:54	103-65-1	
Styrene	**<0.71**	ug/L	2.0	0.71	2		09/07/21 11:54	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.71**	ug/L	2.0	0.71	2		09/07/21 11:54	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.76**	ug/L	2.0	0.76	2		09/07/21 11:54	79-34-5	
Tetrachloroethene	**0.99J**	ug/L	2.0	0.82	2		09/07/21 11:54	127-18-4	
Toluene	**<0.58**	ug/L	2.0	0.58	2		09/07/21 11:54	108-88-3	
1,2,3-Trichlorobenzene	**<2.0**	ug/L	10.0	2.0	2		09/07/21 11:54	87-61-6	
1,2,4-Trichlorobenzene	**<1.9**	ug/L	10.0	1.9	2		09/07/21 11:54	120-82-1	
1,1,1-Trichloroethane	**<0.61**	ug/L	2.0	0.61	2		09/07/21 11:54	71-55-6	
1,1,2-Trichloroethane	**<0.69**	ug/L	10.0	0.69	2		09/07/21 11:54	79-00-5	
Trichloroethene	**<0.64**	ug/L	2.0	0.64	2		09/07/21 11:54	79-01-6	
Trichlorofluoromethane	**<0.84**	ug/L	2.0	0.84	2		09/07/21 11:54	75-69-4	
1,2,3-Trichloropropane	**<1.1**	ug/L	10.0	1.1	2		09/07/21 11:54	96-18-4	
1,2,4-Trimethylbenzene	**<0.90**	ug/L	2.0	0.90	2		09/07/21 11:54	95-63-6	
1,3,5-Trimethylbenzene	**<0.71**	ug/L	2.0	0.71	2		09/07/21 11:54	108-67-8	
Vinyl chloride	**14.5**	ug/L	2.0	0.35	2		09/07/21 11:54	75-01-4	
m&p-Xylene	**<1.4**	ug/L	4.0	1.4	2		09/07/21 11:54	179601-23-1	
o-Xylene	**<0.70**	ug/L	2.0	0.70	2		09/07/21 11:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		2		09/07/21 11:54	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		2		09/07/21 11:54	2199-69-1	
Toluene-d8 (S)	97	%	70-130		2		09/07/21 11:54	2037-26-5	
Iron, Ferrous	Analytical Method: HACH 8146								
	Pace Analytical Services - Green Bay								
Iron, Ferrous	**0.70**	mg/L	0.069	0.021	1		09/08/21 12:18		H6
300.0 IC Anions	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride	**63.0**	mg/L	10.0	2.2	5		09/02/21 12:37	16887-00-6	
Nitrate as N	**<0.22**	mg/L	0.75	0.22	5		09/02/21 12:37	14797-55-8	D3,H1
Sulfate	**<2.2**	mg/L	10.0	2.2	5		09/02/21 12:37	14808-79-8	D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW200 **Lab ID: 40232602006** Collected: 08/31/21 11:30 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Total Organic Carbon	**6.6**	mg/L	0.50	0.14	1		09/17/21 20:47	7440-44-0	C4

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW600V **Lab ID: 40232602007** Collected: 08/31/21 12:30 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		09/14/21 10:27	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		09/14/21 10:27	74-85-1	
Methane	**<0.58**	ug/L	2.8	0.58	1		09/16/21 16:17	74-82-8	3q,H1
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Manganese	**34.4**	ug/L	5.0	1.5	1	09/03/21 06:39	09/09/21 00:41	7439-96-5	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Acetone	**<8.6**	ug/L	25.0	8.6	1		09/07/21 10:39	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		09/07/21 10:39	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		09/07/21 10:39	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		09/07/21 10:39	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		09/07/21 10:39	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		09/07/21 10:39	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		09/07/21 10:39	74-83-9	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		09/07/21 10:39	78-93-3	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		09/07/21 10:39	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		09/07/21 10:39	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		09/07/21 10:39	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		09/07/21 10:39	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		09/07/21 10:39	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		09/07/21 10:39	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		09/07/21 10:39	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		09/07/21 10:39	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		09/07/21 10:39	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		09/07/21 10:39	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		09/07/21 10:39	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		09/07/21 10:39	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		09/07/21 10:39	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		09/07/21 10:39	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		09/07/21 10:39	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		09/07/21 10:39	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		09/07/21 10:39	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		09/07/21 10:39	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		09/07/21 10:39	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		09/07/21 10:39	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		09/07/21 10:39	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		09/07/21 10:39	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		09/07/21 10:39	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		09/07/21 10:39	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		09/07/21 10:39	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		09/07/21 10:39	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		09/07/21 10:39	563-58-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW600V **Lab ID: 40232602007** Collected: 08/31/21 12:30 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		09/07/21 10:39	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		09/07/21 10:39	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		09/07/21 10:39	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		09/07/21 10:39	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		09/07/21 10:39	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		09/07/21 10:39	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		09/07/21 10:39	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		09/07/21 10:39	75-09-2	
Methyl-tert-butyl ether	**1.8J**	ug/L	5.0	1.1	1		09/07/21 10:39	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		09/07/21 10:39	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		09/07/21 10:39	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		09/07/21 10:39	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		09/07/21 10:39	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		09/07/21 10:39	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		09/07/21 10:39	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		09/07/21 10:39	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		09/07/21 10:39	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		09/07/21 10:39	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		09/07/21 10:39	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		09/07/21 10:39	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		09/07/21 10:39	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		09/07/21 10:39	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		09/07/21 10:39	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		09/07/21 10:39	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		09/07/21 10:39	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		09/07/21 10:39	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		09/07/21 10:39	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		09/07/21 10:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		09/07/21 10:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		09/07/21 10:39	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		09/07/21 10:39	2037-26-5	
Iron, Ferrous	Analytical Method: HACH 8146								
	Pace Analytical Services - Green Bay								
Iron, Ferrous	**0.069**	mg/L	0.069	0.021	1		09/08/21 12:23		H6
300.0 IC Anions	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride	**78.7**	mg/L	20.0	4.3	10		09/03/21 18:43	16887-00-6	
Nitrate as N	**14.1**	mg/L	1.5	0.44	10		09/03/21 18:43	14797-55-8	H1
Sulfate	**37.6**	mg/L	2.0	0.44	1		09/02/21 12:51	14808-79-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW600V **Lab ID: 40232602007** Collected: 08/31/21 12:30 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Total Organic Carbon	**3.2**	mg/L	0.50	0.14	1		09/17/21 21:03	7440-44-0	C4

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW1000 **Lab ID: 40232602008** Collected: 08/31/21 12:00 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		09/14/21 10:34	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		09/14/21 10:34	74-85-1	
Methane	**<0.58**	ug/L	2.8	0.58	1		09/14/21 10:34	74-82-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Manganese	**681**	ug/L	5.0	1.5	1	09/03/21 06:39	09/09/21 00:43	7439-96-5	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Acetone	**<8.6**	ug/L	25.0	8.6	1		09/07/21 10:21	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		09/07/21 10:21	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		09/07/21 10:21	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		09/07/21 10:21	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		09/07/21 10:21	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		09/07/21 10:21	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		09/07/21 10:21	74-83-9	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		09/07/21 10:21	78-93-3	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		09/07/21 10:21	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		09/07/21 10:21	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		09/07/21 10:21	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		09/07/21 10:21	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		09/07/21 10:21	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		09/07/21 10:21	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		09/07/21 10:21	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		09/07/21 10:21	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		09/07/21 10:21	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		09/07/21 10:21	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		09/07/21 10:21	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		09/07/21 10:21	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		09/07/21 10:21	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		09/07/21 10:21	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		09/07/21 10:21	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		09/07/21 10:21	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		09/07/21 10:21	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		09/07/21 10:21	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		09/07/21 10:21	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		09/07/21 10:21	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		09/07/21 10:21	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		09/07/21 10:21	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		09/07/21 10:21	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		09/07/21 10:21	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		09/07/21 10:21	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		09/07/21 10:21	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		09/07/21 10:21	563-58-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW1000 **Lab ID: 40232602008** Collected: 08/31/21 12:00 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		09/07/21 10:21	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		09/07/21 10:21	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		09/07/21 10:21	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		09/07/21 10:21	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		09/07/21 10:21	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		09/07/21 10:21	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		09/07/21 10:21	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		09/07/21 10:21	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		09/07/21 10:21	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		09/07/21 10:21	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		09/07/21 10:21	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		09/07/21 10:21	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		09/07/21 10:21	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		09/07/21 10:21	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		09/07/21 10:21	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		09/07/21 10:21	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		09/07/21 10:21	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		09/07/21 10:21	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		09/07/21 10:21	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		09/07/21 10:21	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		09/07/21 10:21	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		09/07/21 10:21	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		09/07/21 10:21	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		09/07/21 10:21	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		09/07/21 10:21	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		09/07/21 10:21	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		09/07/21 10:21	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		09/07/21 10:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		09/07/21 10:21	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		09/07/21 10:21	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		09/07/21 10:21	2037-26-5	
Iron, Ferrous	Analytical Method: HACH 8146								
	Pace Analytical Services - Green Bay								
Iron, Ferrous	**0.046J**	mg/L	0.069	0.021	1		09/08/21 12:25		H6
300.0 IC Anions	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride	**49.1**	mg/L	2.0	0.43	1		09/02/21 13:06	16887-00-6	
Nitrate as N	**<0.044**	mg/L	0.15	0.044	1		09/02/21 13:06	14797-55-8	H1
Sulfate	**26.1**	mg/L	2.0	0.44	1		09/02/21 13:06	14808-79-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW1000 **Lab ID: 40232602008** Collected: 08/31/21 12:00 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Total Organic Carbon	**7.2**	mg/L	0.50	0.14	1		09/17/21 21:19	7440-44-0	C4

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW2100 **Lab ID: 40232602009** Collected: 08/31/21 13:00 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		09/14/21 10:41	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		09/14/21 10:41	74-85-1	
Methane	**88.6**	ug/L	2.8	0.58	1		09/14/21 10:41	74-82-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Manganese	**462**	ug/L	5.0	1.5	1	09/03/21 06:39	09/09/21 00:50	7439-96-5	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Acetone	**<8.6**	ug/L	25.0	8.6	1		09/03/21 15:44	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		09/03/21 15:44	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		09/03/21 15:44	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		09/03/21 15:44	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		09/03/21 15:44	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		09/03/21 15:44	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		09/03/21 15:44	74-83-9	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		09/03/21 15:44	78-93-3	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		09/03/21 15:44	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		09/03/21 15:44	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		09/03/21 15:44	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		09/03/21 15:44	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		09/03/21 15:44	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		09/03/21 15:44	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		09/03/21 15:44	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		09/03/21 15:44	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		09/03/21 15:44	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		09/03/21 15:44	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		09/03/21 15:44	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		09/03/21 15:44	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		09/03/21 15:44	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		09/03/21 15:44	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		09/03/21 15:44	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		09/03/21 15:44	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		09/03/21 15:44	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		09/03/21 15:44	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		09/03/21 15:44	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		09/03/21 15:44	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		09/03/21 15:44	75-35-4	
cis-1,2-Dichloroethene	**42.0**	ug/L	1.0	0.47	1		09/03/21 15:44	156-59-2	
trans-1,2-Dichloroethene	**2.5**	ug/L	1.0	0.53	1		09/03/21 15:44	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		09/03/21 15:44	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		09/03/21 15:44	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		09/03/21 15:44	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		09/03/21 15:44	563-58-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW2100 **Lab ID: 40232602009** Collected: 08/31/21 13:00 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		09/03/21 15:44	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		09/03/21 15:44	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		09/03/21 15:44	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		09/03/21 15:44	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		09/03/21 15:44	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		09/03/21 15:44	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		09/03/21 15:44	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		09/03/21 15:44	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		09/03/21 15:44	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		09/03/21 15:44	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		09/03/21 15:44	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		09/03/21 15:44	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		09/03/21 15:44	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		09/03/21 15:44	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		09/03/21 15:44	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		09/03/21 15:44	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		09/03/21 15:44	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		09/03/21 15:44	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		09/03/21 15:44	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		09/03/21 15:44	79-00-5	
Trichloroethene	**0.87J**	ug/L	1.0	0.32	1		09/03/21 15:44	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		09/03/21 15:44	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		09/03/21 15:44	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		09/03/21 15:44	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		09/03/21 15:44	108-67-8	
Vinyl chloride	**0.20J**	ug/L	1.0	0.17	1		09/03/21 15:44	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		09/03/21 15:44	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		09/03/21 15:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		09/03/21 15:44	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		09/03/21 15:44	2199-69-1	
Toluene-d8 (S)	95	%	70-130		1		09/03/21 15:44	2037-26-5	
Iron, Ferrous	Analytical Method: HACH 8146								
	Pace Analytical Services - Green Bay								
Iron, Ferrous	**0.51**	mg/L	0.069	0.021	1		09/08/21 12:27		H6
300.0 IC Anions	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride	**279**	mg/L	10.0	2.2	5		09/02/21 14:03	16887-00-6	
Nitrate as N	**2.6**	mg/L	0.75	0.22	5		09/02/21 14:03	14797-55-8	H1
Sulfate	**33.2**	mg/L	10.0	2.2	5		09/02/21 14:03	14808-79-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW2100 **Lab ID: 40232602009** Collected: 08/31/21 13:00 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Total Organic Carbon	**3.1**	mg/L	0.50	0.14	1		09/17/21 21:38	7440-44-0	C4

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW2000V **Lab ID: 40232602010** Collected: 08/31/21 13:30 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		09/14/21 10:48	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		09/14/21 10:48	74-85-1	
Methane	**239**	ug/L	5.6	1.2	2		09/14/21 12:10	74-82-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Manganese	**188**	ug/L	5.0	1.5	1	09/03/21 06:39	09/09/21 00:53	7439-96-5	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Acetone	**<8.6**	ug/L	25.0	8.6	1		09/07/21 10:58	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		09/07/21 10:58	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		09/07/21 10:58	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		09/07/21 10:58	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		09/07/21 10:58	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		09/07/21 10:58	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		09/07/21 10:58	74-83-9	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		09/07/21 10:58	78-93-3	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		09/07/21 10:58	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		09/07/21 10:58	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		09/07/21 10:58	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		09/07/21 10:58	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		09/07/21 10:58	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		09/07/21 10:58	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		09/07/21 10:58	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		09/07/21 10:58	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		09/07/21 10:58	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		09/07/21 10:58	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		09/07/21 10:58	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		09/07/21 10:58	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		09/07/21 10:58	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		09/07/21 10:58	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		09/07/21 10:58	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		09/07/21 10:58	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		09/07/21 10:58	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		09/07/21 10:58	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		09/07/21 10:58	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		09/07/21 10:58	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		09/07/21 10:58	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		09/07/21 10:58	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		09/07/21 10:58	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		09/07/21 10:58	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		09/07/21 10:58	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		09/07/21 10:58	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		09/07/21 10:58	563-58-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW2000V **Lab ID: 40232602010** Collected: 08/31/21 13:30 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		09/07/21 10:58	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		09/07/21 10:58	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		09/07/21 10:58	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		09/07/21 10:58	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		09/07/21 10:58	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		09/07/21 10:58	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		09/07/21 10:58	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		09/07/21 10:58	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		09/07/21 10:58	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		09/07/21 10:58	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		09/07/21 10:58	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		09/07/21 10:58	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		09/07/21 10:58	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		09/07/21 10:58	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		09/07/21 10:58	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		09/07/21 10:58	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		09/07/21 10:58	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		09/07/21 10:58	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		09/07/21 10:58	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		09/07/21 10:58	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		09/07/21 10:58	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		09/07/21 10:58	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		09/07/21 10:58	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		09/07/21 10:58	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		09/07/21 10:58	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		09/07/21 10:58	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		09/07/21 10:58	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		09/07/21 10:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		09/07/21 10:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		09/07/21 10:58	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		09/07/21 10:58	2037-26-5	
Iron, Ferrous	Analytical Method: HACH 8146								
	Pace Analytical Services - Green Bay								
Iron, Ferrous	**0.15**	mg/L	0.069	0.021	1		09/08/21 12:32		H6
300.0 IC Anions	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride	**38.6**	mg/L	2.0	0.43	1		09/02/21 14:18	16887-00-6	
Nitrate as N	**<0.044**	mg/L	0.15	0.044	1		09/02/21 14:18	14797-55-8	H1
Sulfate	**24.1**	mg/L	2.0	0.44	1		09/02/21 14:18	14808-79-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

ANALYTICAL RESULTS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Sample: MW2000V **Lab ID: 40232602010** Collected: 08/31/21 13:30 Received: 09/02/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Total Organic Carbon	**10.3**	mg/L	0.50	0.14	1		09/17/21 21:56	7440-44-0	C4

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

QC Batch: 395615
QC Batch Method: EPA 8015B Modified
Analysis Method: EPA 8015B Modified
Analysis Description: Methane, Ethane, Ethene GCV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40232602001, 40232602002, 40232602003, 40232602004, 40232602005, 40232602006, 40232602007, 40232602008, 40232602009, 40232602010

METHOD BLANK: 2282372 Matrix: Water
Associated Lab Samples: 40232602001, 40232602002, 40232602003, 40232602004, 40232602005, 40232602006, 40232602007, 40232602008, 40232602009, 40232602010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.39	5.6	09/14/21 09:13	
Ethene	ug/L	<0.25	5.0	09/14/21 09:13	
Methane	ug/L	<0.58	2.8	09/14/21 09:13	

LABORATORY CONTROL SAMPLE & LCSD: 2282373 2282374

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	52.8	53.0	99	99	80-120	0	20	
Ethene	ug/L	50	49.9	50.0	100	100	80-120	0	20	
Methane	ug/L	28.6	31.0	31.6	109	111	80-121	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2282482 2282483

Parameter	Units	40232602003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<0.39	536	536	552	583	103	109	80-122	5	20	1q,H1
Ethene	ug/L	<0.25	500	500	525	553	105	111	80-122	5	20	1q,H1
Methane	ug/L	1450	286	286	2100	2190	227	259	10-200	4	20	1q,H1, M1

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

QC Batch: 394845 — Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A — Analysis Description: 6010D MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40232602001, 40232602002, 40232602003, 40232602004, 40232602005, 40232602006, 40232602007, 40232602008, 40232602009, 40232602010

METHOD BLANK: 2278300 — Matrix: Water
Associated Lab Samples: 40232602001, 40232602002, 40232602003, 40232602004, 40232602005, 40232602006, 40232602007, 40232602008, 40232602009, 40232602010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Manganese	ug/L	<1.5	5.0	09/09/21 13:32	

LABORATORY CONTROL SAMPLE: 2278301

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Manganese	ug/L	250	253	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2278302 2278303

Parameter	Units	40232543001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Manganese	ug/L	226J	250	250	480J	471J	101	98	75-125		20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

QC Batch: 394849 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40232602001, 40232602002, 40232602003, 40232602004, 40232602005, 40232602006, 40232602007, 40232602008, 40232602009, 40232602010

METHOD BLANK: 2278310 Matrix: Water
Associated Lab Samples: 40232602001, 40232602002, 40232602003, 40232602004, 40232602005, 40232602006, 40232602007, 40232602008, 40232602009, 40232602010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	09/03/21 08:34	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	09/03/21 08:34	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	09/03/21 08:34	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	09/03/21 08:34	
1,1-Dichloroethane	ug/L	<0.30	1.0	09/03/21 08:34	
1,1-Dichloroethene	ug/L	<0.58	1.0	09/03/21 08:34	
1,1-Dichloropropene	ug/L	<0.41	1.0	09/03/21 08:34	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	09/03/21 08:34	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	09/03/21 08:34	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	09/03/21 08:34	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	09/03/21 08:34	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	09/03/21 08:34	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	09/03/21 08:34	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	09/03/21 08:34	
1,2-Dichloroethane	ug/L	<0.29	1.0	09/03/21 08:34	
1,2-Dichloropropane	ug/L	<0.45	1.0	09/03/21 08:34	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	09/03/21 08:34	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	09/03/21 08:34	
1,3-Dichloropropane	ug/L	<0.30	1.0	09/03/21 08:34	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	09/03/21 08:34	
2,2-Dichloropropane	ug/L	<4.2	5.0	09/03/21 08:34	
2-Butanone (MEK)	ug/L	<6.5	25.0	09/03/21 08:34	
2-Chlorotoluene	ug/L	<0.89	5.0	09/03/21 08:34	
4-Chlorotoluene	ug/L	<0.89	5.0	09/03/21 08:34	
Acetone	ug/L	<8.6	25.0	09/03/21 08:34	
Benzene	ug/L	<0.30	1.0	09/03/21 08:34	
Bromobenzene	ug/L	<0.36	1.0	09/03/21 08:34	
Bromochloromethane	ug/L	<0.36	5.0	09/03/21 08:34	
Bromodichloromethane	ug/L	<0.42	1.0	09/03/21 08:34	
Bromoform	ug/L	<3.8	5.0	09/03/21 08:34	
Bromomethane	ug/L	<1.2	5.0	09/03/21 08:34	
Carbon tetrachloride	ug/L	<0.37	1.0	09/03/21 08:34	
Chlorobenzene	ug/L	<0.86	1.0	09/03/21 08:34	
Chloroethane	ug/L	<1.4	5.0	09/03/21 08:34	
Chloroform	ug/L	<1.2	5.0	09/03/21 08:34	
Chloromethane	ug/L	<1.6	5.0	09/03/21 08:34	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	09/03/21 08:34	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	09/03/21 08:34	
Dibromochloromethane	ug/L	<2.6	5.0	09/03/21 08:34	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

METHOD BLANK: 2278310 Matrix: Water

Associated Lab Samples: 40232602001, 40232602002, 40232602003, 40232602004, 40232602005, 40232602006, 40232602007, 40232602008, 40232602009, 40232602010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<0.99	5.0	09/03/21 08:34	
Dichlorodifluoromethane	ug/L	<0.46	5.0	09/03/21 08:34	
Diisopropyl ether	ug/L	<1.1	5.0	09/03/21 08:34	
Ethylbenzene	ug/L	<0.33	1.0	09/03/21 08:34	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	09/03/21 08:34	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	09/03/21 08:34	
m&p-Xylene	ug/L	<0.70	2.0	09/03/21 08:34	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	09/03/21 08:34	
Methylene Chloride	ug/L	<0.32	5.0	09/03/21 08:34	
n-Butylbenzene	ug/L	<0.86	1.0	09/03/21 08:34	
n-Propylbenzene	ug/L	<0.35	1.0	09/03/21 08:34	
Naphthalene	ug/L	<1.1	5.0	09/03/21 08:34	
o-Xylene	ug/L	<0.35	1.0	09/03/21 08:34	
p-Isopropyltoluene	ug/L	<1.0	5.0	09/03/21 08:34	
sec-Butylbenzene	ug/L	<0.42	1.0	09/03/21 08:34	
Styrene	ug/L	<0.36	1.0	09/03/21 08:34	
tert-Butylbenzene	ug/L	<0.59	1.0	09/03/21 08:34	
Tetrachloroethene	ug/L	<0.41	1.0	09/03/21 08:34	
Toluene	ug/L	<0.29	1.0	09/03/21 08:34	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	09/03/21 08:34	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	09/03/21 08:34	
Trichloroethene	ug/L	<0.32	1.0	09/03/21 08:34	
Trichlorofluoromethane	ug/L	<0.42	1.0	09/03/21 08:34	
Vinyl chloride	ug/L	<0.17	1.0	09/03/21 08:34	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130	09/03/21 08:34	
4-Bromofluorobenzene (S)	%	89	70-130	09/03/21 08:34	
Toluene-d8 (S)	%	96	70-130	09/03/21 08:34	

LABORATORY CONTROL SAMPLE: 2278311

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.9	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	42.5	85	66-130	
1,1,2-Trichloroethane	ug/L	50	43.8	88	70-130	
1,1-Dichloroethane	ug/L	50	53.9	108	68-132	
1,1-Dichloroethene	ug/L	50	55.3	111	85-126	
1,2,4-Trichlorobenzene	ug/L	50	49.8	100	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	39.2	78	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	48.2	96	70-130	
1,2-Dichlorobenzene	ug/L	50	50.8	102	70-130	
1,2-Dichloroethane	ug/L	50	47.1	94	70-130	
1,2-Dichloropropane	ug/L	50	48.5	97	78-125	
1,3-Dichlorobenzene	ug/L	50	50.4	101	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

LABORATORY CONTROL SAMPLE: 2278311

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	51.1	102	70-130	
Benzene	ug/L	50	46.8	94	70-132	
Bromodichloromethane	ug/L	50	45.6	91	70-130	
Bromoform	ug/L	50	49.6	99	65-130	
Bromomethane	ug/L	50	37.1	74	44-128	
Carbon tetrachloride	ug/L	50	54.9	110	70-130	
Chlorobenzene	ug/L	50	49.5	99	70-130	
Chloroethane	ug/L	50	51.7	103	73-137	
Chloroform	ug/L	50	47.5	95	80-122	
Chloromethane	ug/L	50	63.4	127	27-148	
cis-1,2-Dichloroethene	ug/L	50	50.3	101	70-130	
cis-1,3-Dichloropropene	ug/L	50	44.5	89	70-130	
Dibromochloromethane	ug/L	50	51.4	103	70-130	
Dichlorodifluoromethane	ug/L	50	46.5	93	22-151	
Ethylbenzene	ug/L	50	46.2	92	80-123	
Isopropylbenzene (Cumene)	ug/L	50	50.5	101	70-130	
m&p-Xylene	ug/L	100	98.9	99	70-130	
Methyl-tert-butyl ether	ug/L	50	44.8	90	66-130	
Methylene Chloride	ug/L	50	45.9	92	70-130	
o-Xylene	ug/L	50	49.2	98	70-130	
Styrene	ug/L	50	50.4	101	70-130	
Tetrachloroethene	ug/L	50	53.8	108	70-130	
Toluene	ug/L	50	46.4	93	80-121	
trans-1,2-Dichloroethene	ug/L	50	52.1	104	70-130	
trans-1,3-Dichloropropene	ug/L	50	42.2	84	58-125	
Trichloroethene	ug/L	50	48.6	97	70-130	
Trichlorofluoromethane	ug/L	50	52.5	105	84-148	
Vinyl chloride	ug/L	50	57.6	115	63-142	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			85	70-130	
Toluene-d8 (S)	%			95	70-130	

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

QC Batch: 395101 | Analysis Method: HACH 8146
QC Batch Method: HACH 8146 | Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40232602001, 40232602002, 40232602003, 40232602004, 40232602005, 40232602006, 40232602007, 40232602008, 40232602009, 40232602010

METHOD BLANK: 2279573 Matrix: Water
Associated Lab Samples: 40232602001, 40232602002, 40232602003, 40232602004, 40232602005, 40232602006, 40232602007, 40232602008, 40232602009, 40232602010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.021	0.069	09/08/21 11:12	H6

LABORATORY CONTROL SAMPLE: 2279574

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	0.6	0.63	105	80-120	H6

LABORATORY CONTROL SAMPLE: 2279578

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	0.6	0.61	101	80-120	H6

LABORATORY CONTROL SAMPLE: 2279579

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	0.6	0.60	101	80-120	H6

LABORATORY CONTROL SAMPLE: 2279580

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	0.6	0.63	104	80-120	H6

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2279575 2279576

Parameter	Units	40232602001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	0.69J	15	15	17.8	17.9	114	115	80-120	0	20	H6

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

QC Batch: 394823
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40232602001, 40232602002, 40232602003, 40232602004, 40232602005, 40232602006, 40232602007, 40232602008, 40232602009, 40232602010

METHOD BLANK: 2278016 Matrix: Water
Associated Lab Samples: 40232602001, 40232602002, 40232602003, 40232602004, 40232602005, 40232602006, 40232602007, 40232602008, 40232602009, 40232602010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.43	2.0	09/02/21 10:57	
Nitrate as N	mg/L	<0.044	0.15	09/02/21 10:57	
Sulfate	mg/L	<0.44	2.0	09/02/21 10:57	

LABORATORY CONTROL SAMPLE: 2278017

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	19.4	97	90-110	
Nitrate as N	mg/L	1.5	1.5	97	90-110	
Sulfate	mg/L	20	19.4	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2278018 2278019

Parameter	Units	40232605002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	1620	2000	2000	3760	3580	107	98	90-110	5	15	
Nitrate as N	mg/L	<4.4	150	150	158	155	105	104	90-110	2	15	
Sulfate	mg/L	<44.4	2000	2000	2190	2170	108	107	90-110	1	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2278020 2278021

Parameter	Units	40232602010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	38.6	20	20	58.6	58.0	100	97	90-110	1	15	
Nitrate as N	mg/L	<0.044	1.5	1.5	1.4	1.4	92	90	90-110	2	15	
Sulfate	mg/L	24.1	20	20	46.2	45.5	110	107	90-110	1	15	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

QC Batch: 395946 — Analysis Method: SM 5310C
QC Batch Method: SM 5310C — Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40232602001, 40232602002, 40232602003, 40232602004, 40232602005, 40232602006, 40232602007, 40232602008, 40232602009, 40232602010

METHOD BLANK: 2284501 — Matrix: Water
Associated Lab Samples: 40232602001, 40232602002, 40232602003, 40232602004, 40232602005, 40232602006, 40232602007, 40232602008, 40232602009, 40232602010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.14	0.50	09/17/21 17:42	

LABORATORY CONTROL SAMPLE: 2284502

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	12.5	13.0	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2284503 2284504

Parameter	Units	40232602001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	29.5	180	180	208	207	99	99	80-120	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2284505 2284506

Parameter	Units	40232602002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	10.8	36	36	46.5	45.5	99	96	80-120	2	10	

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REPORT OF LABORATORY ANALYSIS

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1241 Bellevue Street - Suite 9
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(920)469-2436

QUALIFIERS

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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 at or above the adjusted LOD.

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

1q	Sample was originally analyzed within hold time, but was reanalyzed outside of hold due to a bad injection of the parent sample.
2q	Sample was originally analyzed within hold time, but was reanalyzed outside of hold due to a bad injection.
3q	Sample was originally analyzed within hold time, but was reanalyzed outside of hold due to carryover.
C4	Sample container did not meet EPA or method requirements.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
H1	Analysis conducted outside the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40232602001	**MW100**	EPA 8015B Modified	395615		
40232602002	**PZ1700**	EPA 8015B Modified	395615		
40232602003	**MW800**	EPA 8015B Modified	395615		
40232602004	**MW3200**	EPA 8015B Modified	395615		
40232602005	**MW1500**	EPA 8015B Modified	395615		
40232602006	**MW200**	EPA 8015B Modified	395615		
40232602007	**MW600V**	EPA 8015B Modified	395615		
40232602008	**MW1000**	EPA 8015B Modified	395615		
40232602009	**MW2100**	EPA 8015B Modified	395615		
40232602010	**MW2000V**	EPA 8015B Modified	395615		
40232602001	**MW100**	EPA 3010A	394845	EPA 6010D	395037
40232602002	**PZ1700**	EPA 3010A	394845	EPA 6010D	395037
40232602003	**MW800**	EPA 3010A	394845	EPA 6010D	395037
40232602004	**MW3200**	EPA 3010A	394845	EPA 6010D	395037
40232602005	**MW1500**	EPA 3010A	394845	EPA 6010D	395037
40232602006	**MW200**	EPA 3010A	394845	EPA 6010D	395037
40232602007	**MW600V**	EPA 3010A	394845	EPA 6010D	395037
40232602008	**MW1000**	EPA 3010A	394845	EPA 6010D	395037
40232602009	**MW2100**	EPA 3010A	394845	EPA 6010D	395037
40232602010	**MW2000V**	EPA 3010A	394845	EPA 6010D	395037
40232602001	**MW100**	EPA 8260	394849		
40232602002	**PZ1700**	EPA 8260	394849		
40232602003	**MW800**	EPA 8260	394849		
40232602004	**MW3200**	EPA 8260	394849		
40232602005	**MW1500**	EPA 8260	394849		
40232602006	**MW200**	EPA 8260	394849		
40232602007	**MW600V**	EPA 8260	394849		
40232602008	**MW1000**	EPA 8260	394849		
40232602009	**MW2100**	EPA 8260	394849		
40232602010	**MW2000V**	EPA 8260	394849		
40232602001	**MW100**	HACH 8146	395101		
40232602002	**PZ1700**	HACH 8146	395101		
40232602003	**MW800**	HACH 8146	395101		
40232602004	**MW3200**	HACH 8146	395101		
40232602005	**MW1500**	HACH 8146	395101		
40232602006	**MW200**	HACH 8146	395101		
40232602007	**MW600V**	HACH 8146	395101		
40232602008	**MW1000**	HACH 8146	395101		
40232602009	**MW2100**	HACH 8146	395101		
40232602010	**MW2000V**	HACH 8146	395101		
40232602001	**MW100**	EPA 300.0	394823		
40232602002	**PZ1700**	EPA 300.0	394823		
40232602003	**MW800**	EPA 300.0	394823		
40232602004	**MW3200**	EPA 300.0	394823		
40232602005	**MW1500**	EPA 300.0	394823		
40232602006	**MW200**	EPA 300.0	394823		
40232602007	**MW600V**	EPA 300.0	394823		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 8318 V+L STRIPPING
Pace Project No.: 40232602

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40232602008	**MW1000**	EPA 300.0	394823		
40232602009	**MW2100**	EPA 300.0	394823		
40232602010	**MW2000V**	EPA 300.0	394823		
40232602001	**MW100**	SM 5310C	395946		
40232602002	**PZ1700**	SM 5310C	395946		
40232602003	**MW800**	SM 5310C	395946		
40232602004	**MW3200**	SM 5310C	395946		
40232602005	**MW1500**	SM 5310C	395946		
40232602006	**MW200**	SM 5310C	395946		
40232602007	**MW600V**	SM 5310C	395946		
40232602008	**MW1000**	SM 5310C	395946		
40232602009	**MW2100**	SM 5310C	395946		
40232602010	**MW2000V**	SM 5310C	395946		

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

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CHAIN OF CUSTODY

4023260 2

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	WRA
Branch/Location:	Wausau
Project Contact:	Andy Acker
Phone:	715-675-9784
Project Number:	8318
Project Name:	U+L Stripping
Project State:	WI
Sampled By (Print):	Paul Bushar
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	N
Mail To Company:	Nka
Mail To Address:	
Invoice To Contact:	N
Invoice To Company:	Nka
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOC 8260 (See Attached)	Methyl Sulfonyl Chloride Request via Email	TOC	MW	Methanol, Ethanol, Ether
001	MW100	8-31-21	10:20	GW	N	B					
002	PZ1700		10:35		N						
003	MW800		10:45		N	C					
004	MW3200		11:00		N	D					
005	MW1500		11:15		N	B					
006	MW200		11:30								
007	MW6000R		12:30								
008	MW10000		12:00								
009	MW2100		1:05								
010	MW20000R	↓	1:30	↓	↓	↓	↓	↓	↓	↓	↓

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	9/1/2021 16:42		
Walter	9/2/21 0850	Anthony Herold	9/2/21 0850

PACE Project No.
4023260 2

Receipt Temp = 3.5 °C

Sample Receipt pH
(OK) Adjusted

Cooler Custody Seal
Present / (Not Present)

Intact / Not Intact

Version 6.0 06/14/06

ORIGINAL

C019a(27Jun2006)

Sample Preservation Receipt Form

Client Name: REI

Project # 400326002

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

All containers needing preservation have been checked and noted below: X Yes ☐No ☐N/A

Lab Lot# of pH paper: 1003604 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: AL Date/ Time:

Pace Lab #	Glass								Plastic					Vials						Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN						
001																	6											X			X		2.5 / 5 / 10
002																	6											X			X		2.5 / 5 / 10
003																	6											X			X		2.5 / 5 / 10
004																	6											X			X		2.5 / 5 / 10
005																	6											X			X		2.5 / 5 / 10
006																	6											X			X		2.5 / 5 / 10
007																	6											X			X		2.5 / 5 / 10
008																	6											X			X		2.5 / 5 / 10
009																	5											X			X		2.5 / 5 / 10
010																	6											X			X		2.5 / 5 / 10
011																	6											X			X		2.5 / 5 / 10
012																																	2.5 / 5 / 10
013																																	2.5 / 5 / 10
014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

Exceptions to preservation check: (VOA), Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other:_____ Headspace in VOA Vials (>6mm) : ☐Yes X No ☐N/A ***If yes look in headspace column**

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

Pace Analytical® 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: REI

Project #: WO#: 40232602

40232602

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☒ Waltco ☐ Client ☐ Pace Other:

Tracking #: 2952882-1

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

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

Thermometer Used SR - 107 **Type of Ice:** (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 3.5 /Corr: 3.5

Temp Blank Present: ☒ yes ☐ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Person examining contents: Date: 9/2/21 /Initials: AZ

Labeled By Initials: AZ

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☒No ☐N/A	2. no pg# 9/2/21 AZ
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC: 9/2/21 AZ	☒Yes (☒No) ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☒Yes ☐No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume: For Analysis: ☒Yes ☐No MS/MSD: ☐Yes ☒No ☐N/A		8.
Correct Containers Used: 9/2/21 AZ	☒Yes (☒No)	9. TOCs not in amber glass 9/2/21 AZ
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: WT	☐Yes ☒No ☐N/A	12. 001 one VGAH no label, in bag with other 001 vials 9/2/21 AZ
Trip Blank Present:	☐Yes ☒No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

Page 2 of 2

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

December 27, 2021

Andy Delforge
REI
4080 North 20th Avenue
Wausau, WI 54401

RE: Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Dear Andy Delforge:

Enclosed are the analytical results for sample(s) received by the laboratory on November 19, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,

Brian Basten
brian.basten@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Kaylin Felix, REI

Pace Analytical Services, LLC
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CERTIFICATIONS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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SAMPLE SUMMARY

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40237269001	**TW1400**	Water	11/17/21 09:45	11/19/21 09:00
40237269002	**PZ1700**	Water	11/17/21 10:00	11/19/21 09:00
40237269003	**MW1000**	Water	11/17/21 12:00	11/19/21 09:00
40237269004	**MW3200**	Water	11/17/21 11:30	11/19/21 09:00
40237269005	**MW2000**	Water	11/17/21 11:00	11/19/21 09:00
40237269006	**MW800**	Water	11/17/21 10:30	11/19/21 09:00
40237269007	**MW2100**	Water	11/17/21 12:30	11/19/21 09:00
40237269008	**MW100**	Water	11/17/21 13:00	11/19/21 09:00
40237269009	**MW1500**	Water	11/17/21 13:30	11/19/21 09:00
40237269010	**MW200**	Water	11/17/21 14:00	11/19/21 09:00
40237269011	**MW600**	Water	11/17/21 14:30	11/19/21 09:00

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SAMPLE ANALYTE COUNT

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40237269001	**TW1400**	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	66	PASI-G
		HACH 8146	HNT	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40237269002	**PZ1700**	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	66	PASI-G
		HACH 8146	HNT	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40237269003	**MW1000**	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	66	PASI-G
		HACH 8146	HNT	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40237269004	**MW3200**	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	66	PASI-G
		HACH 8146	HNT	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40237269005	**MW2000**	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	66	PASI-G
		HACH 8146	HNT	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40237269006	**MW800**	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	66	PASI-G
		HACH 8146	HNT	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40237269007	**MW2100**	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	66	PASI-G
		HACH 8146	HNT	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40237269008	**MW100**	EPA 8015B Modified	KHB	3	PASI-G

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SAMPLE ANALYTE COUNT

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	66	PASI-G
		HACH 8146	HNT	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40237269009	**MW1500**	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	66	PASI-G
		HACH 8146	HNT	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40237269010	**MW200**	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	66	PASI-G
		HACH 8146	HNT	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
		SM 5310C	TJJ	1	PASI-G
40237269011	**MW600**	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	66	PASI-G
		HACH 8146	HNT	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
		SM 5310C	TJJ	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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(920)469-2436

ANALYTICAL RESULTS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Sample: TW1400 **Lab ID: 40237269001** Collected: 11/17/21 09:45 Received: 11/19/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		11/23/21 11:55	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		11/23/21 11:55	74-85-1	
Methane	**4530**	ug/L	280	57.6	100		11/23/21 14:37	74-82-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Manganese	**455**	ug/L	5.0	1.5	1	11/24/21 05:46	11/30/21 21:56	7439-96-5	P4
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Acetone	**<34.6**	ug/L	100	34.6	4		11/30/21 11:34	67-64-1	
Benzene	**<1.2**	ug/L	4.0	1.2	4		11/30/21 11:34	71-43-2	
Bromobenzene	**<1.4**	ug/L	4.0	1.4	4		11/30/21 11:34	108-86-1	
Bromochloromethane	**<1.4**	ug/L	20.0	1.4	4		11/30/21 11:34	74-97-5	
Bromodichloromethane	**<1.7**	ug/L	4.0	1.7	4		11/30/21 11:34	75-27-4	
Bromoform	**<15.2**	ug/L	20.0	15.2	4		11/30/21 11:34	75-25-2	
Bromomethane	**<4.8**	ug/L	20.0	4.8	4		11/30/21 11:34	74-83-9	
2-Butanone (MEK)	**<26.1**	ug/L	100	26.1	4		11/30/21 11:34	78-93-3	
n-Butylbenzene	**<3.4**	ug/L	4.0	3.4	4		11/30/21 11:34	104-51-8	
sec-Butylbenzene	**<1.7**	ug/L	4.0	1.7	4		11/30/21 11:34	135-98-8	
tert-Butylbenzene	**<2.3**	ug/L	4.0	2.3	4		11/30/21 11:34	98-06-6	
Carbon tetrachloride	**<1.5**	ug/L	4.0	1.5	4		11/30/21 11:34	56-23-5	
Chlorobenzene	**<3.4**	ug/L	4.0	3.4	4		11/30/21 11:34	108-90-7	
Chloroethane	**<5.5**	ug/L	20.0	5.5	4		11/30/21 11:34	75-00-3	
Chloroform	**<4.7**	ug/L	20.0	4.7	4		11/30/21 11:34	67-66-3	
Chloromethane	**<6.5**	ug/L	20.0	6.5	4		11/30/21 11:34	74-87-3	
2-Chlorotoluene	**<3.6**	ug/L	20.0	3.6	4		11/30/21 11:34	95-49-8	
4-Chlorotoluene	**<3.6**	ug/L	20.0	3.6	4		11/30/21 11:34	106-43-4	
1,2-Dibromo-3-chloropropane	**<9.5**	ug/L	20.0	9.5	4		11/30/21 11:34	96-12-8	
Dibromochloromethane	**<10.6**	ug/L	20.0	10.6	4		11/30/21 11:34	124-48-1	
1,2-Dibromoethane (EDB)	**<1.2**	ug/L	4.0	1.2	4		11/30/21 11:34	106-93-4	
Dibromomethane	**<4.0**	ug/L	20.0	4.0	4		11/30/21 11:34	74-95-3	
1,2-Dichlorobenzene	**<1.3**	ug/L	4.0	1.3	4		11/30/21 11:34	95-50-1	
1,3-Dichlorobenzene	**<1.4**	ug/L	4.0	1.4	4		11/30/21 11:34	541-73-1	
1,4-Dichlorobenzene	**<3.6**	ug/L	4.0	3.6	4		11/30/21 11:34	106-46-7	
Dichlorodifluoromethane	**<1.8**	ug/L	20.0	1.8	4		11/30/21 11:34	75-71-8	
1,1-Dichloroethane	**<1.2**	ug/L	4.0	1.2	4		11/30/21 11:34	75-34-3	
1,2-Dichloroethane	**<1.2**	ug/L	4.0	1.2	4		11/30/21 11:34	107-06-2	
1,1-Dichloroethene	**<2.3**	ug/L	4.0	2.3	4		11/30/21 11:34	75-35-4	
cis-1,2-Dichloroethene	**3980**	ug/L	40.0	18.9	40		11/30/21 14:04	156-59-2	
trans-1,2-Dichloroethene	**771**	ug/L	4.0	2.1	4		11/30/21 11:34	156-60-5	
1,2-Dichloropropane	**<1.8**	ug/L	4.0	1.8	4		11/30/21 11:34	78-87-5	
1,3-Dichloropropane	**<1.2**	ug/L	4.0	1.2	4		11/30/21 11:34	142-28-9	
2,2-Dichloropropane	**<16.7**	ug/L	20.0	16.7	4		11/30/21 11:34	594-20-7	
1,1-Dichloropropene	**<1.6**	ug/L	4.0	1.6	4		11/30/21 11:34	563-58-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Sample: TW1400 **Lab ID: 40237269001** Collected: 11/17/21 09:45 Received: 11/19/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
cis-1,3-Dichloropropene	**<1.4**	ug/L	4.0	1.4	4		11/30/21 11:34	10061-01-5	
trans-1,3-Dichloropropene	**<13.8**	ug/L	20.0	13.8	4		11/30/21 11:34	10061-02-6	
Diisopropyl ether	**<4.4**	ug/L	20.0	4.4	4		11/30/21 11:34	108-20-3	
Ethylbenzene	**<1.3**	ug/L	4.0	1.3	4		11/30/21 11:34	100-41-4	
Hexachloro-1,3-butadiene	**<10.9**	ug/L	20.0	10.9	4		11/30/21 11:34	87-68-3	
Isopropylbenzene (Cumene)	**<4.0**	ug/L	20.0	4.0	4		11/30/21 11:34	98-82-8	
p-Isopropyltoluene	**<4.2**	ug/L	20.0	4.2	4		11/30/21 11:34	99-87-6	
Methylene Chloride	**<1.3**	ug/L	20.0	1.3	4		11/30/21 11:34	75-09-2	
Methyl-tert-butyl ether	**<4.5**	ug/L	20.0	4.5	4		11/30/21 11:34	1634-04-4	
Naphthalene	**<4.5**	ug/L	20.0	4.5	4		11/30/21 11:34	91-20-3	
n-Propylbenzene	**<1.4**	ug/L	4.0	1.4	4		11/30/21 11:34	103-65-1	
Styrene	**<1.4**	ug/L	4.0	1.4	4		11/30/21 11:34	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.4**	ug/L	4.0	1.4	4		11/30/21 11:34	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.5**	ug/L	4.0	1.5	4		11/30/21 11:34	79-34-5	
Tetrachloroethene	**8.4**	ug/L	4.0	1.6	4		11/30/21 11:34	127-18-4	
Toluene	**<1.2**	ug/L	4.0	1.2	4		11/30/21 11:34	108-88-3	
1,2,3-Trichlorobenzene	**<4.1**	ug/L	20.0	4.1	4		11/30/21 11:34	87-61-6	
1,2,4-Trichlorobenzene	**<3.8**	ug/L	20.0	3.8	4		11/30/21 11:34	120-82-1	
1,1,1-Trichloroethane	**<1.2**	ug/L	4.0	1.2	4		11/30/21 11:34	71-55-6	
1,1,2-Trichloroethane	**<1.4**	ug/L	20.0	1.4	4		11/30/21 11:34	79-00-5	
Trichloroethene	**15.6**	ug/L	4.0	1.3	4		11/30/21 11:34	79-01-6	
Trichlorofluoromethane	**<1.7**	ug/L	4.0	1.7	4		11/30/21 11:34	75-69-4	
1,2,3-Trichloropropane	**<2.2**	ug/L	20.0	2.2	4		11/30/21 11:34	96-18-4	
1,2,4-Trimethylbenzene	**<1.8**	ug/L	4.0	1.8	4		11/30/21 11:34	95-63-6	
1,3,5-Trimethylbenzene	**<1.4**	ug/L	4.0	1.4	4		11/30/21 11:34	108-67-8	
Vinyl chloride	**53.1**	ug/L	4.0	0.70	4		11/30/21 11:34	75-01-4	
m&p-Xylene	**<2.8**	ug/L	8.0	2.8	4		11/30/21 11:34	179601-23-1	
o-Xylene	**<1.4**	ug/L	4.0	1.4	4		11/30/21 11:34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		4		11/30/21 11:34	460-00-4	
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		4		11/30/21 11:34	2199-69-1	
Toluene-d8 (S)	102	%	70-130		4		11/30/21 11:34	2037-26-5	
Iron, Ferrous	Analytical Method: HACH 8146								
	Pace Analytical Services - Green Bay								
Iron, Ferrous	**1.2**	mg/L	0.34	0.10	5		11/23/21 10:54		H6
300.0 IC Anions	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride	**46.1**	mg/L	10.0	2.2	5		11/22/21 11:53	16887-00-6	M0
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**37.1**	mg/L	3.0	0.83	6		12/06/21 01:33	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Sample: PZ1700 **Lab ID: 40237269002** Collected: 11/17/21 10:00 Received: 11/19/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		11/29/21 09:34	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		11/29/21 09:34	74-85-1	
Methane	**1600**	ug/L	70.0	14.4	25		11/29/21 12:57	74-82-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Manganese	**19.0**	ug/L	5.0	1.5	1	11/24/21 05:46	11/30/21 22:03	7439-96-5	P4
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Acetone	**<8.6**	ug/L	25.0	8.6	1		11/30/21 18:46	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/30/21 18:46	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 18:46	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		11/30/21 18:46	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/30/21 18:46	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		11/30/21 18:46	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/30/21 18:46	74-83-9	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		11/30/21 18:46	78-93-3	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		11/30/21 18:46	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/30/21 18:46	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		11/30/21 18:46	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/30/21 18:46	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/30/21 18:46	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/30/21 18:46	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		11/30/21 18:46	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/30/21 18:46	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/30/21 18:46	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/30/21 18:46	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/30/21 18:46	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/30/21 18:46	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/30/21 18:46	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/30/21 18:46	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/30/21 18:46	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/30/21 18:46	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/30/21 18:46	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/30/21 18:46	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/30/21 18:46	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/30/21 18:46	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/30/21 18:46	75-35-4	
cis-1,2-Dichloroethene	**18.8**	ug/L	1.0	0.47	1		11/30/21 18:46	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		11/30/21 18:46	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/30/21 18:46	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		11/30/21 18:46	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		11/30/21 18:46	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		11/30/21 18:46	563-58-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Sample: PZ1700 **Lab ID: 40237269002** Collected: 11/17/21 10:00 Received: 11/19/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 18:46	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		11/30/21 18:46	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		11/30/21 18:46	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/30/21 18:46	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		11/30/21 18:46	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		11/30/21 18:46	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		11/30/21 18:46	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/30/21 18:46	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/30/21 18:46	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		11/30/21 18:46	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		11/30/21 18:46	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 18:46	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		11/30/21 18:46	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		11/30/21 18:46	79-34-5	
Tetrachloroethene	**1.1**	ug/L	1.0	0.41	1		11/30/21 18:46	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/30/21 18:46	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		11/30/21 18:46	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		11/30/21 18:46	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/30/21 18:46	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		11/30/21 18:46	79-00-5	
Trichloroethene	**0.41J**	ug/L	1.0	0.32	1		11/30/21 18:46	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/30/21 18:46	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		11/30/21 18:46	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		11/30/21 18:46	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 18:46	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		11/30/21 18:46	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		11/30/21 18:46	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		11/30/21 18:46	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		11/30/21 18:46	460-00-4	
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		11/30/21 18:46	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		11/30/21 18:46	2037-26-5	
Iron, Ferrous	Analytical Method: HACH 8146								
	Pace Analytical Services - Green Bay								
Iron, Ferrous	**0.12**	mg/L	0.069	0.021	1		11/23/21 11:11		H6
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**6.1**	mg/L	1.5	0.42	3		12/06/21 01:48	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Sample: MW1000 **Lab ID: 40237269003** Collected: 11/17/21 12:00 Received: 11/19/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		11/29/21 12:50	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		11/29/21 12:50	74-85-1	
Methane	**<0.58**	ug/L	2.8	0.58	1		11/29/21 12:50	74-82-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Manganese	**5970**	ug/L	5.0	1.5	1	11/24/21 05:46	11/30/21 22:06	7439-96-5	P4
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Acetone	**<8.6**	ug/L	25.0	8.6	1		11/30/21 18:27	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/30/21 18:27	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 18:27	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		11/30/21 18:27	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/30/21 18:27	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		11/30/21 18:27	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/30/21 18:27	74-83-9	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		11/30/21 18:27	78-93-3	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		11/30/21 18:27	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/30/21 18:27	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		11/30/21 18:27	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/30/21 18:27	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/30/21 18:27	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/30/21 18:27	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		11/30/21 18:27	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/30/21 18:27	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/30/21 18:27	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/30/21 18:27	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/30/21 18:27	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/30/21 18:27	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/30/21 18:27	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/30/21 18:27	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/30/21 18:27	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/30/21 18:27	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/30/21 18:27	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/30/21 18:27	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/30/21 18:27	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/30/21 18:27	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/30/21 18:27	75-35-4	
cis-1,2-Dichloroethene	**0.58J**	ug/L	1.0	0.47	1		11/30/21 18:27	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		11/30/21 18:27	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/30/21 18:27	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		11/30/21 18:27	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		11/30/21 18:27	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		11/30/21 18:27	563-58-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Sample: MW1000 **Lab ID: 40237269003** Collected: 11/17/21 12:00 Received: 11/19/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 18:27	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		11/30/21 18:27	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		11/30/21 18:27	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/30/21 18:27	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		11/30/21 18:27	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		11/30/21 18:27	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		11/30/21 18:27	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/30/21 18:27	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/30/21 18:27	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		11/30/21 18:27	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		11/30/21 18:27	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 18:27	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		11/30/21 18:27	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		11/30/21 18:27	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/30/21 18:27	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/30/21 18:27	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		11/30/21 18:27	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		11/30/21 18:27	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/30/21 18:27	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		11/30/21 18:27	79-00-5	
Trichloroethene	**0.42J**	ug/L	1.0	0.32	1		11/30/21 18:27	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/30/21 18:27	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		11/30/21 18:27	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		11/30/21 18:27	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 18:27	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		11/30/21 18:27	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		11/30/21 18:27	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		11/30/21 18:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		1		11/30/21 18:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		11/30/21 18:27	2199-69-1	
Toluene-d8 (S)	93	%	70-130		1		11/30/21 18:27	2037-26-5	
Iron, Ferrous	Analytical Method: HACH 8146								
	Pace Analytical Services - Green Bay								
Iron, Ferrous	**0.20**	mg/L	0.069	0.021	1		11/23/21 11:13		H6
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**7.3**	mg/L	0.50	0.14	1		12/06/21 02:03	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

ANALYTICAL RESULTS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Sample: MW3200 **Lab ID: 40237269004** Collected: 11/17/21 11:30 Received: 11/19/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		11/29/21 09:48	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		11/29/21 09:48	74-85-1	
Methane	**7.7**	ug/L	2.8	0.58	1		11/29/21 09:48	74-82-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Manganese	**178**	ug/L	5.0	1.5	1	11/24/21 05:46	11/30/21 22:08	7439-96-5	P4
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Acetone	**<8.6**	ug/L	25.0	8.6	1		11/30/21 17:31	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/30/21 17:31	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 17:31	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		11/30/21 17:31	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/30/21 17:31	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		11/30/21 17:31	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/30/21 17:31	74-83-9	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		11/30/21 17:31	78-93-3	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		11/30/21 17:31	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/30/21 17:31	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		11/30/21 17:31	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/30/21 17:31	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/30/21 17:31	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/30/21 17:31	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		11/30/21 17:31	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/30/21 17:31	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/30/21 17:31	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/30/21 17:31	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/30/21 17:31	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/30/21 17:31	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/30/21 17:31	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/30/21 17:31	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/30/21 17:31	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/30/21 17:31	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/30/21 17:31	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/30/21 17:31	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/30/21 17:31	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/30/21 17:31	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/30/21 17:31	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		11/30/21 17:31	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		11/30/21 17:31	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/30/21 17:31	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		11/30/21 17:31	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		11/30/21 17:31	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		11/30/21 17:31	563-58-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Sample: MW3200 **Lab ID: 40237269004** Collected: 11/17/21 11:30 Received: 11/19/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 17:31	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		11/30/21 17:31	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		11/30/21 17:31	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/30/21 17:31	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		11/30/21 17:31	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		11/30/21 17:31	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		11/30/21 17:31	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/30/21 17:31	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/30/21 17:31	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		11/30/21 17:31	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		11/30/21 17:31	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 17:31	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		11/30/21 17:31	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		11/30/21 17:31	79-34-5	
Tetrachloroethene	**0.42J**	ug/L	1.0	0.41	1		11/30/21 17:31	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/30/21 17:31	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		11/30/21 17:31	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		11/30/21 17:31	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/30/21 17:31	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		11/30/21 17:31	79-00-5	
Trichloroethene	**0.81J**	ug/L	1.0	0.32	1		11/30/21 17:31	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/30/21 17:31	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		11/30/21 17:31	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		11/30/21 17:31	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 17:31	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		11/30/21 17:31	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		11/30/21 17:31	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		11/30/21 17:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		11/30/21 17:31	460-00-4	
1,2-Dichlorobenzene-d4 (S)	93	%	70-130		1		11/30/21 17:31	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		11/30/21 17:31	2037-26-5	
Iron, Ferrous	Analytical Method: HACH 8146								
	Pace Analytical Services - Green Bay								
Iron, Ferrous	**0.66**	mg/L	0.069	0.021	1		11/23/21 11:17		H6
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**7.2**	mg/L	0.50	0.14	1		12/06/21 02:20	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Sample: MW2000 **Lab ID: 40237269005** Collected: 11/17/21 11:00 Received: 11/19/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		11/29/21 09:55	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		11/29/21 09:55	74-85-1	
Methane	**188**	ug/L	2.8	0.58	1		11/29/21 09:55	74-82-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Manganese	**222**	ug/L	5.0	1.5	1	11/24/21 05:46	11/30/21 22:11	7439-96-5	P4
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Acetone	**<8.6**	ug/L	25.0	8.6	1		11/30/21 18:08	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/30/21 18:08	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 18:08	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		11/30/21 18:08	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/30/21 18:08	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		11/30/21 18:08	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/30/21 18:08	74-83-9	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		11/30/21 18:08	78-93-3	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		11/30/21 18:08	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/30/21 18:08	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		11/30/21 18:08	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/30/21 18:08	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/30/21 18:08	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/30/21 18:08	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		11/30/21 18:08	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/30/21 18:08	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/30/21 18:08	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/30/21 18:08	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/30/21 18:08	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/30/21 18:08	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/30/21 18:08	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/30/21 18:08	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/30/21 18:08	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/30/21 18:08	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/30/21 18:08	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/30/21 18:08	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/30/21 18:08	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/30/21 18:08	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/30/21 18:08	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		11/30/21 18:08	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		11/30/21 18:08	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/30/21 18:08	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		11/30/21 18:08	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		11/30/21 18:08	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		11/30/21 18:08	563-58-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Sample: MW2000 **Lab ID: 40237269005** Collected: 11/17/21 11:00 Received: 11/19/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 18:08	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		11/30/21 18:08	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		11/30/21 18:08	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/30/21 18:08	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		11/30/21 18:08	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		11/30/21 18:08	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		11/30/21 18:08	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/30/21 18:08	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/30/21 18:08	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		11/30/21 18:08	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		11/30/21 18:08	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 18:08	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		11/30/21 18:08	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		11/30/21 18:08	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/30/21 18:08	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/30/21 18:08	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		11/30/21 18:08	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		11/30/21 18:08	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/30/21 18:08	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		11/30/21 18:08	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		11/30/21 18:08	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/30/21 18:08	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		11/30/21 18:08	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		11/30/21 18:08	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 18:08	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		11/30/21 18:08	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		11/30/21 18:08	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		11/30/21 18:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		11/30/21 18:08	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		11/30/21 18:08	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		11/30/21 18:08	2037-26-5	
Iron, Ferrous	Analytical Method: HACH 8146								
	Pace Analytical Services - Green Bay								
Iron, Ferrous	**0.68**	mg/L	0.069	0.021	1		11/23/21 11:20		H6
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**6.3**	mg/L	0.50	0.14	1		12/06/21 02:35	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Sample: MW800 **Lab ID: 40237269006** Collected: 11/17/21 10:30 Received: 11/19/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		11/29/21 10:02	74-84-0	
Ethene	**29.9**	ug/L	5.0	0.25	1		11/29/21 10:02	74-85-1	
Methane	**1070**	ug/L	56.0	11.5	20		11/29/21 13:04	74-82-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Manganese	**459**	ug/L	5.0	1.5	1	11/24/21 05:46	11/30/21 22:13	7439-96-5	P4
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Acetone	**<864**	ug/L	2500	864	100		11/30/21 15:00	67-64-1	
Benzene	**<29.5**	ug/L	100	29.5	100		11/30/21 15:00	71-43-2	
Bromobenzene	**<36.1**	ug/L	100	36.1	100		11/30/21 15:00	108-86-1	
Bromochloromethane	**<35.8**	ug/L	500	35.8	100		11/30/21 15:00	74-97-5	
Bromodichloromethane	**<41.5**	ug/L	100	41.5	100		11/30/21 15:00	75-27-4	
Bromoform	**<380**	ug/L	500	380	100		11/30/21 15:00	75-25-2	
Bromomethane	**<119**	ug/L	500	119	100		11/30/21 15:00	74-83-9	
2-Butanone (MEK)	**<652**	ug/L	2500	652	100		11/30/21 15:00	78-93-3	
n-Butylbenzene	**<85.7**	ug/L	100	85.7	100		11/30/21 15:00	104-51-8	
sec-Butylbenzene	**<42.4**	ug/L	100	42.4	100		11/30/21 15:00	135-98-8	
tert-Butylbenzene	**<58.6**	ug/L	100	58.6	100		11/30/21 15:00	98-06-6	
Carbon tetrachloride	**<36.9**	ug/L	100	36.9	100		11/30/21 15:00	56-23-5	
Chlorobenzene	**<85.5**	ug/L	100	85.5	100		11/30/21 15:00	108-90-7	
Chloroethane	**<138**	ug/L	500	138	100		11/30/21 15:00	75-00-3	
Chloroform	**<118**	ug/L	500	118	100		11/30/21 15:00	67-66-3	
Chloromethane	**<164**	ug/L	500	164	100		11/30/21 15:00	74-87-3	
2-Chlorotoluene	**<89.0**	ug/L	500	89.0	100		11/30/21 15:00	95-49-8	
4-Chlorotoluene	**<89.4**	ug/L	500	89.4	100		11/30/21 15:00	106-43-4	
1,2-Dibromo-3-chloropropane	**<237**	ug/L	500	237	100		11/30/21 15:00	96-12-8	
Dibromochloromethane	**<264**	ug/L	500	264	100		11/30/21 15:00	124-48-1	
1,2-Dibromoethane (EDB)	**<30.9**	ug/L	100	30.9	100		11/30/21 15:00	106-93-4	
Dibromomethane	**<99.1**	ug/L	500	99.1	100		11/30/21 15:00	74-95-3	
1,2-Dichlorobenzene	**<32.6**	ug/L	100	32.6	100		11/30/21 15:00	95-50-1	
1,3-Dichlorobenzene	**<35.1**	ug/L	100	35.1	100		11/30/21 15:00	541-73-1	
1,4-Dichlorobenzene	**<89.2**	ug/L	100	89.2	100		11/30/21 15:00	106-46-7	
Dichlorodifluoromethane	**<45.5**	ug/L	500	45.5	100		11/30/21 15:00	75-71-8	
1,1-Dichloroethane	**<29.6**	ug/L	100	29.6	100		11/30/21 15:00	75-34-3	
1,2-Dichloroethane	**<29.2**	ug/L	100	29.2	100		11/30/21 15:00	107-06-2	
1,1-Dichloroethene	**<58.2**	ug/L	100	58.2	100		11/30/21 15:00	75-35-4	
cis-1,2-Dichloroethene	**9110**	ug/L	100	47.2	100		11/30/21 15:00	156-59-2	
trans-1,2-Dichloroethene	**528**	ug/L	100	52.8	100		11/30/21 15:00	156-60-5	
1,2-Dichloropropane	**<44.8**	ug/L	100	44.8	100		11/30/21 15:00	78-87-5	
1,3-Dichloropropane	**<30.5**	ug/L	100	30.5	100		11/30/21 15:00	142-28-9	
2,2-Dichloropropane	**<418**	ug/L	500	418	100		11/30/21 15:00	594-20-7	
1,1-Dichloropropene	**<41.0**	ug/L	100	41.0	100		11/30/21 15:00	563-58-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Sample: MW800 **Lab ID: 40237269006** Collected: 11/17/21 10:30 Received: 11/19/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
cis-1,3-Dichloropropene	**<35.8**	ug/L	100	35.8	100		11/30/21 15:00	10061-01-5	
trans-1,3-Dichloropropene	**<346**	ug/L	500	346	100		11/30/21 15:00	10061-02-6	
Diisopropyl ether	**<110**	ug/L	500	110	100		11/30/21 15:00	108-20-3	
Ethylbenzene	**<32.5**	ug/L	100	32.5	100		11/30/21 15:00	100-41-4	
Hexachloro-1,3-butadiene	**<274**	ug/L	500	274	100		11/30/21 15:00	87-68-3	
Isopropylbenzene (Cumene)	**<100**	ug/L	500	100	100		11/30/21 15:00	98-82-8	
p-Isopropyltoluene	**<104**	ug/L	500	104	100		11/30/21 15:00	99-87-6	
Methylene Chloride	**<31.9**	ug/L	500	31.9	100		11/30/21 15:00	75-09-2	
Methyl-tert-butyl ether	**<113**	ug/L	500	113	100		11/30/21 15:00	1634-04-4	
Naphthalene	**<113**	ug/L	500	113	100		11/30/21 15:00	91-20-3	
n-Propylbenzene	**<34.5**	ug/L	100	34.5	100		11/30/21 15:00	103-65-1	
Styrene	**<35.6**	ug/L	100	35.6	100		11/30/21 15:00	100-42-5	
1,1,1,2-Tetrachloroethane	**<35.5**	ug/L	100	35.5	100		11/30/21 15:00	630-20-6	
1,1,2,2-Tetrachloroethane	**<37.8**	ug/L	100	37.8	100		11/30/21 15:00	79-34-5	
Tetrachloroethene	**1350**	ug/L	100	40.9	100		11/30/21 15:00	127-18-4	
Toluene	**<28.8**	ug/L	100	28.8	100		11/30/21 15:00	108-88-3	
1,2,3-Trichlorobenzene	**<102**	ug/L	500	102	100		11/30/21 15:00	87-61-6	
1,2,4-Trichlorobenzene	**<95.1**	ug/L	500	95.1	100		11/30/21 15:00	120-82-1	
1,1,1-Trichloroethane	**<30.3**	ug/L	100	30.3	100		11/30/21 15:00	71-55-6	
1,1,2-Trichloroethane	**<34.4**	ug/L	500	34.4	100		11/30/21 15:00	79-00-5	
Trichloroethene	**5590**	ug/L	100	32.0	100		11/30/21 15:00	79-01-6	
Trichlorofluoromethane	**<41.9**	ug/L	100	41.9	100		11/30/21 15:00	75-69-4	
1,2,3-Trichloropropane	**<55.5**	ug/L	500	55.5	100		11/30/21 15:00	96-18-4	
1,2,4-Trimethylbenzene	**<44.9**	ug/L	100	44.9	100		11/30/21 15:00	95-63-6	
1,3,5-Trimethylbenzene	**<35.7**	ug/L	100	35.7	100		11/30/21 15:00	108-67-8	
Vinyl chloride	**153**	ug/L	100	17.4	100		11/30/21 15:00	75-01-4	
m&p-Xylene	**<70.0**	ug/L	200	70.0	100		11/30/21 15:00	179601-23-1	
o-Xylene	**<34.8**	ug/L	100	34.8	100		11/30/21 15:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		100		11/30/21 15:00	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		100		11/30/21 15:00	2199-69-1	
Toluene-d8 (S)	83	%	70-130		100		11/30/21 15:00	2037-26-5	
Iron, Ferrous	Analytical Method: HACH 8146								
	Pace Analytical Services - Green Bay								
Iron, Ferrous	**0.53**	mg/L	0.069	0.021	1		11/23/21 11:22		H6
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**10.3**	mg/L	1.5	0.42	3		12/06/21 02:51	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Sample: MW2100 **Lab ID: 40237269007** Collected: 11/17/21 12:30 Received: 11/19/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		11/29/21 10:09	74-84-0	
Ethene	**0.54J**	ug/L	5.0	0.25	1		11/29/21 10:09	74-85-1	
Methane	**250**	ug/L	2.8	0.58	1		11/29/21 10:09	74-82-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Manganese	**363**	ug/L	5.0	1.5	1	11/24/21 05:46	11/30/21 22:16	7439-96-5	P4
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Acetone	**<8.6**	ug/L	25.0	8.6	1		11/30/21 19:04	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/30/21 19:04	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 19:04	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		11/30/21 19:04	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/30/21 19:04	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		11/30/21 19:04	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/30/21 19:04	74-83-9	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		11/30/21 19:04	78-93-3	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		11/30/21 19:04	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/30/21 19:04	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		11/30/21 19:04	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/30/21 19:04	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/30/21 19:04	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/30/21 19:04	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		11/30/21 19:04	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/30/21 19:04	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/30/21 19:04	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/30/21 19:04	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/30/21 19:04	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/30/21 19:04	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/30/21 19:04	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/30/21 19:04	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/30/21 19:04	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/30/21 19:04	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/30/21 19:04	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/30/21 19:04	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/30/21 19:04	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/30/21 19:04	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/30/21 19:04	75-35-4	
cis-1,2-Dichloroethene	**136**	ug/L	1.0	0.47	1		11/30/21 19:04	156-59-2	
trans-1,2-Dichloroethene	**6.0**	ug/L	1.0	0.53	1		11/30/21 19:04	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/30/21 19:04	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		11/30/21 19:04	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		11/30/21 19:04	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		11/30/21 19:04	563-58-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Sample: MW2100 **Lab ID: 40237269007** Collected: 11/17/21 12:30 Received: 11/19/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 19:04	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		11/30/21 19:04	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		11/30/21 19:04	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/30/21 19:04	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		11/30/21 19:04	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		11/30/21 19:04	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		11/30/21 19:04	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/30/21 19:04	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/30/21 19:04	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		11/30/21 19:04	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		11/30/21 19:04	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 19:04	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		11/30/21 19:04	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		11/30/21 19:04	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/30/21 19:04	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/30/21 19:04	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		11/30/21 19:04	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		11/30/21 19:04	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/30/21 19:04	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		11/30/21 19:04	79-00-5	
Trichloroethene	**0.57J**	ug/L	1.0	0.32	1		11/30/21 19:04	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/30/21 19:04	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		11/30/21 19:04	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		11/30/21 19:04	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 19:04	108-67-8	
Vinyl chloride	**1.1**	ug/L	1.0	0.17	1		11/30/21 19:04	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		11/30/21 19:04	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		11/30/21 19:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		11/30/21 19:04	460-00-4	
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		11/30/21 19:04	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		11/30/21 19:04	2037-26-5	
Iron, Ferrous	Analytical Method: HACH 8146								
	Pace Analytical Services - Green Bay								
Iron, Ferrous	**0.47**	mg/L	0.069	0.021	1		11/23/21 11:23		H6
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**3.4**	mg/L	0.50	0.14	1		12/06/21 03:08	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Sample: MW100 **Lab ID: 40237269008** Collected: 11/17/21 13:00 Received: 11/19/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		11/29/21 10:16	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		11/29/21 10:16	74-85-1	
Methane	**5230**	ug/L	280	57.6	100		11/29/21 13:11	74-82-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Manganese	**435**	ug/L	5.0	1.5	1	11/24/21 05:46	11/30/21 22:18	7439-96-5	P4
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Acetone	**<432**	ug/L	1250	432	50		11/30/21 10:56	67-64-1	
Benzene	**<14.8**	ug/L	50.0	14.8	50		11/30/21 10:56	71-43-2	
Bromobenzene	**<18.0**	ug/L	50.0	18.0	50		11/30/21 10:56	108-86-1	
Bromochloromethane	**<17.9**	ug/L	250	17.9	50		11/30/21 10:56	74-97-5	
Bromodichloromethane	**<20.8**	ug/L	50.0	20.8	50		11/30/21 10:56	75-27-4	
Bromoform	**<190**	ug/L	250	190	50		11/30/21 10:56	75-25-2	
Bromomethane	**<59.6**	ug/L	250	59.6	50		11/30/21 10:56	74-83-9	
2-Butanone (MEK)	**<326**	ug/L	1250	326	50		11/30/21 10:56	78-93-3	
n-Butylbenzene	**<42.9**	ug/L	50.0	42.9	50		11/30/21 10:56	104-51-8	
sec-Butylbenzene	**<21.2**	ug/L	50.0	21.2	50		11/30/21 10:56	135-98-8	
tert-Butylbenzene	**<29.3**	ug/L	50.0	29.3	50		11/30/21 10:56	98-06-6	
Carbon tetrachloride	**<18.5**	ug/L	50.0	18.5	50		11/30/21 10:56	56-23-5	
Chlorobenzene	**<42.8**	ug/L	50.0	42.8	50		11/30/21 10:56	108-90-7	
Chloroethane	**<69.0**	ug/L	250	69.0	50		11/30/21 10:56	75-00-3	
Chloroform	**<59.1**	ug/L	250	59.1	50		11/30/21 10:56	67-66-3	
Chloromethane	**<81.8**	ug/L	250	81.8	50		11/30/21 10:56	74-87-3	
2-Chlorotoluene	**<44.5**	ug/L	250	44.5	50		11/30/21 10:56	95-49-8	
4-Chlorotoluene	**<44.7**	ug/L	250	44.7	50		11/30/21 10:56	106-43-4	
1,2-Dibromo-3-chloropropane	**<118**	ug/L	250	118	50		11/30/21 10:56	96-12-8	
Dibromochloromethane	**<132**	ug/L	250	132	50		11/30/21 10:56	124-48-1	
1,2-Dibromoethane (EDB)	**<15.5**	ug/L	50.0	15.5	50		11/30/21 10:56	106-93-4	
Dibromomethane	**<49.5**	ug/L	250	49.5	50		11/30/21 10:56	74-95-3	
1,2-Dichlorobenzene	**<16.3**	ug/L	50.0	16.3	50		11/30/21 10:56	95-50-1	
1,3-Dichlorobenzene	**<17.6**	ug/L	50.0	17.6	50		11/30/21 10:56	541-73-1	
1,4-Dichlorobenzene	**<44.6**	ug/L	50.0	44.6	50		11/30/21 10:56	106-46-7	
Dichlorodifluoromethane	**<22.8**	ug/L	250	22.8	50		11/30/21 10:56	75-71-8	
1,1-Dichloroethane	**<14.8**	ug/L	50.0	14.8	50		11/30/21 10:56	75-34-3	
1,2-Dichloroethane	**<14.6**	ug/L	50.0	14.6	50		11/30/21 10:56	107-06-2	
1,1-Dichloroethene	**<29.1**	ug/L	50.0	29.1	50		11/30/21 10:56	75-35-4	
cis-1,2-Dichloroethene	**3120**	ug/L	50.0	23.6	50		11/30/21 10:56	156-59-2	
trans-1,2-Dichloroethene	**501**	ug/L	50.0	26.4	50		11/30/21 10:56	156-60-5	
1,2-Dichloropropane	**<22.4**	ug/L	50.0	22.4	50		11/30/21 10:56	78-87-5	
1,3-Dichloropropane	**<15.2**	ug/L	50.0	15.2	50		11/30/21 10:56	142-28-9	
2,2-Dichloropropane	**<209**	ug/L	250	209	50		11/30/21 10:56	594-20-7	
1,1-Dichloropropene	**<20.5**	ug/L	50.0	20.5	50		11/30/21 10:56	563-58-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Sample: MW100 **Lab ID: 40237269008** Collected: 11/17/21 13:00 Received: 11/19/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
cis-1,3-Dichloropropene	**<17.9**	ug/L	50.0	17.9	50		11/30/21 10:56	10061-01-5	
trans-1,3-Dichloropropene	**<173**	ug/L	250	173	50		11/30/21 10:56	10061-02-6	
Diisopropyl ether	**<55.0**	ug/L	250	55.0	50		11/30/21 10:56	108-20-3	
Ethylbenzene	**<16.3**	ug/L	50.0	16.3	50		11/30/21 10:56	100-41-4	
Hexachloro-1,3-butadiene	**<137**	ug/L	250	137	50		11/30/21 10:56	87-68-3	
Isopropylbenzene (Cumene)	**<50.0**	ug/L	250	50.0	50		11/30/21 10:56	98-82-8	
p-Isopropyltoluene	**<52.2**	ug/L	250	52.2	50		11/30/21 10:56	99-87-6	
Methylene Chloride	**<16.0**	ug/L	250	16.0	50		11/30/21 10:56	75-09-2	
Methyl-tert-butyl ether	**<56.5**	ug/L	250	56.5	50		11/30/21 10:56	1634-04-4	
Naphthalene	**<56.5**	ug/L	250	56.5	50		11/30/21 10:56	91-20-3	
n-Propylbenzene	**<17.3**	ug/L	50.0	17.3	50		11/30/21 10:56	103-65-1	
Styrene	**<17.8**	ug/L	50.0	17.8	50		11/30/21 10:56	100-42-5	
1,1,1,2-Tetrachloroethane	**<17.8**	ug/L	50.0	17.8	50		11/30/21 10:56	630-20-6	
1,1,2,2-Tetrachloroethane	**<18.9**	ug/L	50.0	18.9	50		11/30/21 10:56	79-34-5	
Tetrachloroethene	**<20.4**	ug/L	50.0	20.4	50		11/30/21 10:56	127-18-4	
Toluene	**<14.4**	ug/L	50.0	14.4	50		11/30/21 10:56	108-88-3	
1,2,3-Trichlorobenzene	**<50.9**	ug/L	250	50.9	50		11/30/21 10:56	87-61-6	
1,2,4-Trichlorobenzene	**<47.5**	ug/L	250	47.5	50		11/30/21 10:56	120-82-1	
1,1,1-Trichloroethane	**<15.1**	ug/L	50.0	15.1	50		11/30/21 10:56	71-55-6	
1,1,2-Trichloroethane	**<17.2**	ug/L	250	17.2	50		11/30/21 10:56	79-00-5	
Trichloroethene	**16.8J**	ug/L	50.0	16.0	50		11/30/21 10:56	79-01-6	
Trichlorofluoromethane	**<20.9**	ug/L	50.0	20.9	50		11/30/21 10:56	75-69-4	
1,2,3-Trichloropropane	**<27.8**	ug/L	250	27.8	50		11/30/21 10:56	96-18-4	
1,2,4-Trimethylbenzene	**<22.4**	ug/L	50.0	22.4	50		11/30/21 10:56	95-63-6	
1,3,5-Trimethylbenzene	**<17.9**	ug/L	50.0	17.9	50		11/30/21 10:56	108-67-8	
Vinyl chloride	**29.8J**	ug/L	50.0	8.7	50		11/30/21 10:56	75-01-4	
m&p-Xylene	**<35.0**	ug/L	100	35.0	50		11/30/21 10:56	179601-23-1	
o-Xylene	**<17.4**	ug/L	50.0	17.4	50		11/30/21 10:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		50		11/30/21 10:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		50		11/30/21 10:56	2199-69-1	
Toluene-d8 (S)	93	%	70-130		50		11/30/21 10:56	2037-26-5	
Iron, Ferrous	Analytical Method: HACH 8146								
	Pace Analytical Services - Green Bay								
Iron, Ferrous	**0.32**	mg/L	0.069	0.021	1		11/23/21 11:25		H6
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**12.9**	mg/L	3.0	0.83	6		12/06/21 07:33	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Sample: MW1500 **Lab ID: 40237269009** Collected: 11/17/21 13:30 Received: 11/19/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		11/29/21 10:23	74-84-0	
Ethene	**31.0**	ug/L	5.0	0.25	1		11/29/21 10:23	74-85-1	
Methane	**4590**	ug/L	280	57.6	100		11/29/21 13:18	74-82-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Manganese	**459**	ug/L	5.0	1.5	1	11/24/21 05:46	11/30/21 22:21	7439-96-5	P4
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Acetone	**<8.6**	ug/L	25.0	8.6	1		11/30/21 14:22	67-64-1	
Benzene	**0.78J**	ug/L	1.0	0.30	1		11/30/21 14:22	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 14:22	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		11/30/21 14:22	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/30/21 14:22	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		11/30/21 14:22	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/30/21 14:22	74-83-9	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		11/30/21 14:22	78-93-3	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		11/30/21 14:22	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/30/21 14:22	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		11/30/21 14:22	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/30/21 14:22	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/30/21 14:22	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/30/21 14:22	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		11/30/21 14:22	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/30/21 14:22	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/30/21 14:22	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/30/21 14:22	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/30/21 14:22	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/30/21 14:22	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/30/21 14:22	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/30/21 14:22	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/30/21 14:22	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/30/21 14:22	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/30/21 14:22	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/30/21 14:22	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/30/21 14:22	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/30/21 14:22	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/30/21 14:22	75-35-4	
cis-1,2-Dichloroethene	**93.4**	ug/L	1.0	0.47	1		11/30/21 14:22	156-59-2	
trans-1,2-Dichloroethene	**93.8**	ug/L	1.0	0.53	1		11/30/21 14:22	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/30/21 14:22	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		11/30/21 14:22	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		11/30/21 14:22	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		11/30/21 14:22	563-58-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Sample: MW1500 **Lab ID: 40237269009** Collected: 11/17/21 13:30 Received: 11/19/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 14:22	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		11/30/21 14:22	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		11/30/21 14:22	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/30/21 14:22	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		11/30/21 14:22	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		11/30/21 14:22	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		11/30/21 14:22	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/30/21 14:22	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/30/21 14:22	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		11/30/21 14:22	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		11/30/21 14:22	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 14:22	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		11/30/21 14:22	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		11/30/21 14:22	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/30/21 14:22	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/30/21 14:22	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		11/30/21 14:22	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		11/30/21 14:22	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/30/21 14:22	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		11/30/21 14:22	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		11/30/21 14:22	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/30/21 14:22	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		11/30/21 14:22	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		11/30/21 14:22	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 14:22	108-67-8	
Vinyl chloride	**46.8**	ug/L	1.0	0.17	1		11/30/21 14:22	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		11/30/21 14:22	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		11/30/21 14:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		11/30/21 14:22	460-00-4	
1,2-Dichlorobenzene-d4 (S)	92	%	70-130		1		11/30/21 14:22	2199-69-1	
Toluene-d8 (S)	82	%	70-130		1		11/30/21 14:22	2037-26-5	
Iron, Ferrous	Analytical Method: HACH 8146								
	Pace Analytical Services - Green Bay								
Iron, Ferrous	**0.75**	mg/L	0.069	0.021	1		11/23/21 11:26		H6
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**14.4**	mg/L	3.0	0.83	6		12/06/21 08:19	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Sample: MW200 **Lab ID: 40237269010** Collected: 11/17/21 14:00 Received: 11/19/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		11/29/21 10:30	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		11/29/21 10:30	74-85-1	
Methane	**8520**	ug/L	280	57.6	100		11/29/21 13:25	74-82-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Manganese	**845**	ug/L	5.0	1.5	1	11/24/21 05:46	11/30/21 22:23	7439-96-5	P4
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Acetone	**<43.2**	ug/L	125	43.2	5		11/30/21 14:41	67-64-1	
Benzene	**<1.5**	ug/L	5.0	1.5	5		11/30/21 14:41	71-43-2	
Bromobenzene	**<1.8**	ug/L	5.0	1.8	5		11/30/21 14:41	108-86-1	
Bromochloromethane	**<1.8**	ug/L	25.0	1.8	5		11/30/21 14:41	74-97-5	
Bromodichloromethane	**<2.1**	ug/L	5.0	2.1	5		11/30/21 14:41	75-27-4	
Bromoform	**<19.0**	ug/L	25.0	19.0	5		11/30/21 14:41	75-25-2	
Bromomethane	**<6.0**	ug/L	25.0	6.0	5		11/30/21 14:41	74-83-9	
2-Butanone (MEK)	**<32.6**	ug/L	125	32.6	5		11/30/21 14:41	78-93-3	
n-Butylbenzene	**<4.3**	ug/L	5.0	4.3	5		11/30/21 14:41	104-51-8	
sec-Butylbenzene	**<2.1**	ug/L	5.0	2.1	5		11/30/21 14:41	135-98-8	
tert-Butylbenzene	**<2.9**	ug/L	5.0	2.9	5		11/30/21 14:41	98-06-6	
Carbon tetrachloride	**<1.8**	ug/L	5.0	1.8	5		11/30/21 14:41	56-23-5	
Chlorobenzene	**<4.3**	ug/L	5.0	4.3	5		11/30/21 14:41	108-90-7	
Chloroethane	**<6.9**	ug/L	25.0	6.9	5		11/30/21 14:41	75-00-3	
Chloroform	**<5.9**	ug/L	25.0	5.9	5		11/30/21 14:41	67-66-3	
Chloromethane	**<8.2**	ug/L	25.0	8.2	5		11/30/21 14:41	74-87-3	
2-Chlorotoluene	**<4.4**	ug/L	25.0	4.4	5		11/30/21 14:41	95-49-8	
4-Chlorotoluene	**<4.5**	ug/L	25.0	4.5	5		11/30/21 14:41	106-43-4	
1,2-Dibromo-3-chloropropane	**<11.8**	ug/L	25.0	11.8	5		11/30/21 14:41	96-12-8	
Dibromochloromethane	**<13.2**	ug/L	25.0	13.2	5		11/30/21 14:41	124-48-1	
1,2-Dibromoethane (EDB)	**<1.5**	ug/L	5.0	1.5	5		11/30/21 14:41	106-93-4	
Dibromomethane	**<5.0**	ug/L	25.0	5.0	5		11/30/21 14:41	74-95-3	
1,2-Dichlorobenzene	**<1.6**	ug/L	5.0	1.6	5		11/30/21 14:41	95-50-1	
1,3-Dichlorobenzene	**<1.8**	ug/L	5.0	1.8	5		11/30/21 14:41	541-73-1	
1,4-Dichlorobenzene	**<4.5**	ug/L	5.0	4.5	5		11/30/21 14:41	106-46-7	
Dichlorodifluoromethane	**<2.3**	ug/L	25.0	2.3	5		11/30/21 14:41	75-71-8	
1,1-Dichloroethane	**<1.5**	ug/L	5.0	1.5	5		11/30/21 14:41	75-34-3	
1,2-Dichloroethane	**<1.5**	ug/L	5.0	1.5	5		11/30/21 14:41	107-06-2	
1,1-Dichloroethene	**<2.9**	ug/L	5.0	2.9	5		11/30/21 14:41	75-35-4	
cis-1,2-Dichloroethene	**456**	ug/L	5.0	2.4	5		11/30/21 14:41	156-59-2	
trans-1,2-Dichloroethene	**688**	ug/L	5.0	2.6	5		11/30/21 14:41	156-60-5	
1,2-Dichloropropane	**<2.2**	ug/L	5.0	2.2	5		11/30/21 14:41	78-87-5	
1,3-Dichloropropane	**<1.5**	ug/L	5.0	1.5	5		11/30/21 14:41	142-28-9	
2,2-Dichloropropane	**<20.9**	ug/L	25.0	20.9	5		11/30/21 14:41	594-20-7	
1,1-Dichloropropene	**<2.1**	ug/L	5.0	2.1	5		11/30/21 14:41	563-58-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Sample: MW200 **Lab ID: 40237269010** Collected: 11/17/21 14:00 Received: 11/19/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
cis-1,3-Dichloropropene	**<1.8**	ug/L	5.0	1.8	5		11/30/21 14:41	10061-01-5	
trans-1,3-Dichloropropene	**<17.3**	ug/L	25.0	17.3	5		11/30/21 14:41	10061-02-6	
Diisopropyl ether	**<5.5**	ug/L	25.0	5.5	5		11/30/21 14:41	108-20-3	
Ethylbenzene	**<1.6**	ug/L	5.0	1.6	5		11/30/21 14:41	100-41-4	
Hexachloro-1,3-butadiene	**<13.7**	ug/L	25.0	13.7	5		11/30/21 14:41	87-68-3	
Isopropylbenzene (Cumene)	**<5.0**	ug/L	25.0	5.0	5		11/30/21 14:41	98-82-8	
p-Isopropyltoluene	**<5.2**	ug/L	25.0	5.2	5		11/30/21 14:41	99-87-6	
Methylene Chloride	**<1.6**	ug/L	25.0	1.6	5		11/30/21 14:41	75-09-2	
Methyl-tert-butyl ether	**<5.6**	ug/L	25.0	5.6	5		11/30/21 14:41	1634-04-4	
Naphthalene	**<5.6**	ug/L	25.0	5.6	5		11/30/21 14:41	91-20-3	
n-Propylbenzene	**<1.7**	ug/L	5.0	1.7	5		11/30/21 14:41	103-65-1	
Styrene	**<1.8**	ug/L	5.0	1.8	5		11/30/21 14:41	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.8**	ug/L	5.0	1.8	5		11/30/21 14:41	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.9**	ug/L	5.0	1.9	5		11/30/21 14:41	79-34-5	
Tetrachloroethene	**<2.0**	ug/L	5.0	2.0	5		11/30/21 14:41	127-18-4	
Toluene	**<1.4**	ug/L	5.0	1.4	5		11/30/21 14:41	108-88-3	
1,2,3-Trichlorobenzene	**<5.1**	ug/L	25.0	5.1	5		11/30/21 14:41	87-61-6	
1,2,4-Trichlorobenzene	**<4.8**	ug/L	25.0	4.8	5		11/30/21 14:41	120-82-1	
1,1,1-Trichloroethane	**<1.5**	ug/L	5.0	1.5	5		11/30/21 14:41	71-55-6	
1,1,2-Trichloroethane	**<1.7**	ug/L	25.0	1.7	5		11/30/21 14:41	79-00-5	
Trichloroethene	**<1.6**	ug/L	5.0	1.6	5		11/30/21 14:41	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	5.0	2.1	5		11/30/21 14:41	75-69-4	
1,2,3-Trichloropropane	**<2.8**	ug/L	25.0	2.8	5		11/30/21 14:41	96-18-4	
1,2,4-Trimethylbenzene	**<2.2**	ug/L	5.0	2.2	5		11/30/21 14:41	95-63-6	
1,3,5-Trimethylbenzene	**<1.8**	ug/L	5.0	1.8	5		11/30/21 14:41	108-67-8	
Vinyl chloride	**32.0**	ug/L	5.0	0.87	5		11/30/21 14:41	75-01-4	
m&p-Xylene	**<3.5**	ug/L	10.0	3.5	5		11/30/21 14:41	179601-23-1	
o-Xylene	**<1.7**	ug/L	5.0	1.7	5		11/30/21 14:41	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		5		11/30/21 14:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		5		11/30/21 14:41	2199-69-1	
Toluene-d8 (S)	86	%	70-130		5		11/30/21 14:41	2037-26-5	
Iron, Ferrous	Analytical Method: HACH 8146								
	Pace Analytical Services - Green Bay								
Iron, Ferrous	**0.18**	mg/L	0.069	0.021	1		11/23/21 11:28		H6
300.0 IC Anions	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride	**71.8**	mg/L	10.0	2.2	5		11/19/21 14:00	16887-00-6	
Nitrate as N	**<0.22**	mg/L	0.75	0.22	5		11/19/21 14:00	14797-55-8	D3
Sulfate	**3.2J**	mg/L	10.0	2.2	5		11/19/21 14:00	14808-79-8	D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Sample: MW200 **Lab ID: 40237269010** Collected: 11/17/21 14:00 Received: 11/19/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Total Organic Carbon	**9.4**	mg/L	3.0	0.83	6		12/06/21 09:05	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Sample: MW600 **Lab ID: 40237269011** Collected: 11/17/21 14:30 Received: 11/19/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**10.2**	ug/L	5.6	0.39	1		11/29/21 10:37	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		11/29/21 10:37	74-85-1	
Methane	**1630**	ug/L	70.0	14.4	25		11/29/21 13:33	74-82-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Manganese	**750**	ug/L	5.0	1.5	1	11/24/21 05:46	11/30/21 22:26	7439-96-5	P4
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Acetone	**<8.6**	ug/L	25.0	8.6	1		11/30/21 19:23	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/30/21 19:23	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 19:23	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		11/30/21 19:23	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/30/21 19:23	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		11/30/21 19:23	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/30/21 19:23	74-83-9	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		11/30/21 19:23	78-93-3	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		11/30/21 19:23	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/30/21 19:23	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		11/30/21 19:23	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/30/21 19:23	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/30/21 19:23	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/30/21 19:23	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		11/30/21 19:23	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/30/21 19:23	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/30/21 19:23	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/30/21 19:23	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/30/21 19:23	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/30/21 19:23	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/30/21 19:23	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/30/21 19:23	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/30/21 19:23	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/30/21 19:23	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/30/21 19:23	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/30/21 19:23	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/30/21 19:23	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/30/21 19:23	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/30/21 19:23	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		11/30/21 19:23	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		11/30/21 19:23	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/30/21 19:23	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		11/30/21 19:23	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		11/30/21 19:23	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		11/30/21 19:23	563-58-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Sample: MW600 **Lab ID: 40237269011** Collected: 11/17/21 14:30 Received: 11/19/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 19:23	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		11/30/21 19:23	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		11/30/21 19:23	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/30/21 19:23	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		11/30/21 19:23	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		11/30/21 19:23	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		11/30/21 19:23	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/30/21 19:23	75-09-2	
Methyl-tert-butyl ether	**115**	ug/L	5.0	1.1	1		11/30/21 19:23	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		11/30/21 19:23	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		11/30/21 19:23	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 19:23	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		11/30/21 19:23	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		11/30/21 19:23	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/30/21 19:23	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/30/21 19:23	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		11/30/21 19:23	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		11/30/21 19:23	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/30/21 19:23	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		11/30/21 19:23	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		11/30/21 19:23	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/30/21 19:23	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		11/30/21 19:23	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		11/30/21 19:23	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		11/30/21 19:23	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		11/30/21 19:23	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		11/30/21 19:23	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		11/30/21 19:23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		11/30/21 19:23	460-00-4	
1,2-Dichlorobenzene-d4 (S)	94	%	70-130		1		11/30/21 19:23	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		11/30/21 19:23	2037-26-5	
Iron, Ferrous	Analytical Method: HACH 8146								
	Pace Analytical Services - Green Bay								
Iron, Ferrous	**0.42**	mg/L	0.069	0.021	1		11/23/21 11:30		H6
300.0 IC Anions	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride	**445**	mg/L	40.0	8.6	20		11/22/21 14:46	16887-00-6	
Nitrate as N	**<0.22**	mg/L	0.75	0.22	5		11/19/21 14:14	14797-55-8	D3
Sulfate	**241**	mg/L	10.0	2.2	5		11/19/21 14:14	14808-79-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Sample: MW600 **Lab ID: 40237269011** Collected: 11/17/21 14:30 Received: 11/19/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Total Organic Carbon	**8.5**	mg/L	3.0	0.83	6		12/06/21 09:18	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

QC Batch: 402553
QC Batch Method: EPA 8015B Modified
Analysis Method: EPA 8015B Modified
Analysis Description: Methane, Ethane, Ethene GCV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40237269001

METHOD BLANK: 2324869 Matrix: Water
Associated Lab Samples: 40237269001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.39	5.6	11/23/21 08:42	
Ethene	ug/L	<0.25	5.0	11/23/21 08:42	
Methane	ug/L	<0.58	2.8	11/23/21 08:42	

LABORATORY CONTROL SAMPLE & LCSD: 2324870 2324871

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	52.0	53.0	97	99	80-120	2	20	
Ethene	ug/L	50	48.7	49.8	97	100	80-120	2	20	
Methane	ug/L	28.6	28.5	29.2	100	102	80-121	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2325070 2325071

Parameter	Units	40237069005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<0.39	53.6	53.6	50.5	51.3	94	96	80-122	2	20	
Ethene	ug/L	2.0J	50	50	49.1	49.7	94	95	80-122	1	20	
Methane	ug/L	166	28.6	28.6	179	178	45	41	10-200	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

QC Batch: 402835
QC Batch Method: EPA 8015B Modified
Analysis Method: EPA 8015B Modified
Analysis Description: Methane, Ethane, Ethene GCV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40237269002, 40237269003, 40237269004, 40237269005, 40237269006, 40237269007, 40237269008, 40237269009, 40237269010, 40237269011

METHOD BLANK: 2326265 Matrix: Water
Associated Lab Samples: 40237269002, 40237269003, 40237269004, 40237269005, 40237269006, 40237269007, 40237269008, 40237269009, 40237269010, 40237269011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.39	5.6	11/29/21 08:59	
Ethene	ug/L	<0.25	5.0	11/29/21 08:59	
Methane	ug/L	<0.58	2.8	11/29/21 08:59	

LABORATORY CONTROL SAMPLE & LCSD: 2326266 2326267

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	49.3	51.1	92	95	80-120	4	20	
Ethene	ug/L	50	46.4	47.8	93	96	80-120	3	20	
Methane	ug/L	28.6	27.3	28.4	96	100	80-121	4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2326548 2326549

Parameter	Units	40237324001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<0.39	53.6	53.6	47.7	47.7	89	89	80-122	0	20	
Ethene	ug/L	<0.25	50	50	45.1	45.0	90	90	80-122	0	20	
Methane	ug/L	<0.58	28.6	28.6	26.4	26.4	93	93	10-200	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

QC Batch: 402688 | Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A | Analysis Description: 6010D MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40237269001, 40237269002, 40237269003, 40237269004, 40237269005, 40237269006, 40237269007, 40237269008, 40237269009, 40237269010, 40237269011

METHOD BLANK: 2325495 Matrix: Water
Associated Lab Samples: 40237269001, 40237269002, 40237269003, 40237269004, 40237269005, 40237269006, 40237269007, 40237269008, 40237269009, 40237269010, 40237269011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Manganese	ug/L	<1.5	5.0	11/30/21 21:34	

LABORATORY CONTROL SAMPLE: 2325496

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Manganese	ug/L	250	259	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2325497 2325498

Parameter	Units	40237392003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Manganese	ug/L	54.0	250	250	313	316	104	105	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

QC Batch: 402373
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40237269001, 40237269002, 40237269003, 40237269004, 40237269005, 40237269006, 40237269007, 40237269008, 40237269009, 40237269010, 40237269011

METHOD BLANK: 2324283
Matrix: Water
Associated Lab Samples: 40237269001, 40237269002, 40237269003, 40237269004, 40237269005, 40237269006, 40237269007, 40237269008, 40237269009, 40237269010, 40237269011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	11/30/21 07:49	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	11/30/21 07:49	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	11/30/21 07:49	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	11/30/21 07:49	
1,1-Dichloroethane	ug/L	<0.30	1.0	11/30/21 07:49	
1,1-Dichloroethene	ug/L	<0.58	1.0	11/30/21 07:49	
1,1-Dichloropropene	ug/L	<0.41	1.0	11/30/21 07:49	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	11/30/21 07:49	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	11/30/21 07:49	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	11/30/21 07:49	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	11/30/21 07:49	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	11/30/21 07:49	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	11/30/21 07:49	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	11/30/21 07:49	
1,2-Dichloroethane	ug/L	<0.29	1.0	11/30/21 07:49	
1,2-Dichloropropane	ug/L	<0.45	1.0	11/30/21 07:49	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	11/30/21 07:49	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	11/30/21 07:49	
1,3-Dichloropropane	ug/L	<0.30	1.0	11/30/21 07:49	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	11/30/21 07:49	
2,2-Dichloropropane	ug/L	<4.2	5.0	11/30/21 07:49	
2-Butanone (MEK)	ug/L	<6.5	25.0	11/30/21 07:49	
2-Chlorotoluene	ug/L	<0.89	5.0	11/30/21 07:49	
4-Chlorotoluene	ug/L	<0.89	5.0	11/30/21 07:49	
Acetone	ug/L	<8.6	25.0	11/30/21 07:49	
Benzene	ug/L	<0.30	1.0	11/30/21 07:49	
Bromobenzene	ug/L	<0.36	1.0	11/30/21 07:49	
Bromochloromethane	ug/L	<0.36	5.0	11/30/21 07:49	
Bromodichloromethane	ug/L	<0.42	1.0	11/30/21 07:49	
Bromoform	ug/L	<3.8	5.0	11/30/21 07:49	
Bromomethane	ug/L	<1.2	5.0	11/30/21 07:49	
Carbon tetrachloride	ug/L	<0.37	1.0	11/30/21 07:49	
Chlorobenzene	ug/L	<0.86	1.0	11/30/21 07:49	
Chloroethane	ug/L	<1.4	5.0	11/30/21 07:49	
Chloroform	ug/L	<1.2	5.0	11/30/21 07:49	
Chloromethane	ug/L	<1.6	5.0	11/30/21 07:49	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	11/30/21 07:49	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	11/30/21 07:49	
Dibromochloromethane	ug/L	<2.6	5.0	11/30/21 07:49	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

METHOD BLANK: 2324283 Matrix: Water

Associated Lab Samples: 40237269001, 40237269002, 40237269003, 40237269004, 40237269005, 40237269006, 40237269007, 40237269008, 40237269009, 40237269010, 40237269011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<0.99	5.0	11/30/21 07:49	
Dichlorodifluoromethane	ug/L	<0.46	5.0	11/30/21 07:49	
Diisopropyl ether	ug/L	<1.1	5.0	11/30/21 07:49	
Ethylbenzene	ug/L	<0.33	1.0	11/30/21 07:49	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	11/30/21 07:49	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	11/30/21 07:49	
m&p-Xylene	ug/L	<0.70	2.0	11/30/21 07:49	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	11/30/21 07:49	
Methylene Chloride	ug/L	<0.32	5.0	11/30/21 07:49	
n-Butylbenzene	ug/L	<0.86	1.0	11/30/21 07:49	
n-Propylbenzene	ug/L	<0.35	1.0	11/30/21 07:49	
Naphthalene	ug/L	<1.1	5.0	11/30/21 07:49	
o-Xylene	ug/L	<0.35	1.0	11/30/21 07:49	
p-Isopropyltoluene	ug/L	<1.0	5.0	11/30/21 07:49	
sec-Butylbenzene	ug/L	<0.42	1.0	11/30/21 07:49	
Styrene	ug/L	<0.36	1.0	11/30/21 07:49	
tert-Butylbenzene	ug/L	<0.59	1.0	11/30/21 07:49	
Tetrachloroethene	ug/L	<0.41	1.0	11/30/21 07:49	
Toluene	ug/L	<0.29	1.0	11/30/21 07:49	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	11/30/21 07:49	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	11/30/21 07:49	
Trichloroethene	ug/L	<0.32	1.0	11/30/21 07:49	
Trichlorofluoromethane	ug/L	<0.42	1.0	11/30/21 07:49	
Vinyl chloride	ug/L	<0.17	1.0	11/30/21 07:49	
1,2-Dichlorobenzene-d4 (S)	%	104	70-130	11/30/21 07:49	
4-Bromofluorobenzene (S)	%	103	70-130	11/30/21 07:49	
Toluene-d8 (S)	%	101	70-130	11/30/21 07:49	

LABORATORY CONTROL SAMPLE: 2324284

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.2	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	46.9	94	66-130	
1,1,2-Trichloroethane	ug/L	50	46.0	92	70-130	
1,1-Dichloroethane	ug/L	50	42.6	85	68-132	
1,1-Dichloroethene	ug/L	50	53.0	106	85-126	
1,2,4-Trichlorobenzene	ug/L	50	36.9	74	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	41.4	83	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	48.2	96	70-130	
1,2-Dichlorobenzene	ug/L	50	49.5	99	70-130	
1,2-Dichloroethane	ug/L	50	42.7	85	70-130	
1,2-Dichloropropane	ug/L	50	42.1	84	78-125	
1,3-Dichlorobenzene	ug/L	50	56.4	113	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

LABORATORY CONTROL SAMPLE: 2324284

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	49.1	98	70-130	
Benzene	ug/L	50	46.8	94	70-132	
Bromodichloromethane	ug/L	50	45.4	91	70-130	
Bromoform	ug/L	50	39.8	80	65-130	
Bromomethane	ug/L	50	52.9	106	44-128	
Carbon tetrachloride	ug/L	50	55.3	111	70-130	
Chlorobenzene	ug/L	50	49.4	99	70-130	
Chloroethane	ug/L	50	49.0	98	73-137	
Chloroform	ug/L	50	48.6	97	80-122	
Chloromethane	ug/L	50	39.3	79	27-148	
cis-1,2-Dichloroethene	ug/L	50	46.9	94	70-130	
cis-1,3-Dichloropropene	ug/L	50	44.9	90	70-130	
Dibromochloromethane	ug/L	50	49.0	98	70-130	
Dichlorodifluoromethane	ug/L	50	36.8	74	22-151	
Ethylbenzene	ug/L	50	47.9	96	80-123	
Isopropylbenzene (Cumene)	ug/L	50	49.8	100	70-130	
m&p-Xylene	ug/L	100	101	101	70-130	
Methyl-tert-butyl ether	ug/L	50	40.6	81	66-130	
Methylene Chloride	ug/L	50	45.2	90	70-130	
o-Xylene	ug/L	50	48.8	98	70-130	
Styrene	ug/L	50	49.7	99	70-130	
Tetrachloroethene	ug/L	50	39.5	79	70-130	
Toluene	ug/L	50	48.3	97	80-121	
trans-1,2-Dichloroethene	ug/L	50	48.4	97	70-130	
trans-1,3-Dichloropropene	ug/L	50	42.3	85	58-125	
Trichloroethene	ug/L	50	49.8	100	70-130	
Trichlorofluoromethane	ug/L	50	52.2	104	84-148	
Vinyl chloride	ug/L	50	48.6	97	63-142	
1,2-Dichlorobenzene-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2324285 2324286

Parameter	Units	40237295037 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.30	50	50	51.8	50.1	104	100	70-130	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	52.0	51.5	104	103	66-130	1	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	45.2	44.6	90	89	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	44.3	43.9	89	88	68-132	1	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	52.1	50.8	104	102	76-132	3	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	42.7	42.2	85	84	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	46.2	45.1	92	90	51-126	2	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	50.3	48.9	101	98	70-130	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2324285 2324286

Parameter	Units	40237295037 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichlorobenzene	ug/L	<0.33	50	50	49.4	48.9	99	98	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	45.8	44.1	92	88	70-130	4	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	46.4	45.5	93	91	77-125	2	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	51.6	51.1	103	102	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	51.0	50.1	102	100	70-130	2	20	
Benzene	ug/L	<0.30	50	50	48.5	47.8	97	96	70-132	1	20	
Bromodichloromethane	ug/L	<0.42	50	50	46.8	46.5	94	93	70-130	1	20	
Bromoform	ug/L	<3.8	50	50	37.0	36.8	74	74	65-130	1	20	
Bromomethane	ug/L	<1.2	50	50	52.8	53.9	106	108	44-128	2	21	
Carbon tetrachloride	ug/L	<0.37	50	50	55.8	55.7	112	111	70-132	0	20	
Chlorobenzene	ug/L	<0.86	50	50	48.3	48.1	97	96	70-130	0	20	
Chloroethane	ug/L	<1.4	50	50	49.8	47.5	100	95	70-137	5	20	
Chloroform	ug/L	<1.2	50	50	51.2	49.9	102	100	80-122	2	20	
Chloromethane	ug/L	<1.6	50	50	40.2	37.9	80	76	17-149	6	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	49.5	48.7	98	97	70-130	2	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	45.7	44.4	91	89	70-130	3	20	
Dibromochloromethane	ug/L	<2.6	50	50	50.0	48.5	100	97	70-130	3	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	37.4	37.2	75	74	22-158	1	20	
Ethylbenzene	ug/L	<0.33	50	50	46.4	47.4	93	95	80-123	2	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	49.8	50.4	100	101	70-130	1	20	
m&p-Xylene	ug/L	<0.70	100	100	98.2	98.7	98	99	70-130	0	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	44.0	42.0	88	84	66-130	5	20	
Methylene Chloride	ug/L	<0.32	50	50	49.1	47.5	98	95	70-130	3	20	
o-Xylene	ug/L	<0.35	50	50	48.9	48.8	98	98	70-130	0	20	
Styrene	ug/L	<0.36	50	50	50.8	50.1	102	100	70-130	1	20	
Tetrachloroethene	ug/L	<0.41	50	50	37.8	37.6	76	75	70-130	1	20	
Toluene	ug/L	<0.29	50	50	47.2	47.1	94	94	80-121	0	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	48.4	48.7	97	97	70-134	1	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	42.5	43.4	85	87	58-130	2	20	
Trichloroethene	ug/L	13.5	50	50	63.3	62.7	100	98	70-130	1	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	54.4	52.3	109	105	82-151	4	20	
Vinyl chloride	ug/L	<0.17	50	50	48.3	46.5	97	93	61-143	4	20	
1,2-Dichlorobenzene-d4 (S)	%						93	93	70-130			
4-Bromofluorobenzene (S)	%						107	105	70-130			
Toluene-d8 (S)	%						97	96	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

QC Batch: 402587 Analysis Method: HACH 8146
QC Batch Method: HACH 8146 Analysis Description: Iron, Ferrous
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40237269001, 40237269002, 40237269003, 40237269004, 40237269005, 40237269006, 40237269007, 40237269008, 40237269009, 40237269010, 40237269011

METHOD BLANK: 2324953 Matrix: Water
Associated Lab Samples: 40237269001, 40237269002, 40237269003, 40237269004, 40237269005, 40237269006, 40237269007, 40237269008, 40237269009, 40237269010, 40237269011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.021	0.069	11/23/21 10:46	H6

LABORATORY CONTROL SAMPLE: 2324954

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	0.6	0.62	103	80-120	H6

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2324955 2324956

Parameter	Units	40237269001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	1.2	3	3	4.4	4.5	108	111	80-120	2	20	H6

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

QC Batch: 402316
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40237269001, 40237269010, 40237269011

METHOD BLANK: 2323502 Matrix: Water
Associated Lab Samples: 40237269001, 40237269010, 40237269011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.43	2.0	11/19/21 14:28	
Nitrate as N	mg/L	<0.044	0.15	11/19/21 14:28	
Sulfate	mg/L	<0.44	2.0	11/19/21 14:28	

LABORATORY CONTROL SAMPLE: 2323503

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	18.8	94	90-110	
Nitrate as N	mg/L	1.5	1.4	94	90-110	
Sulfate	mg/L	20	18.5	92	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2323504 2323505

Parameter	Units	40237269001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	46.1	100	100	153	160	107	114	90-110	4	15	M0
Nitrate as N	mg/L				7.6	7.3				4	15	
Sulfate	mg/L				107	103				4	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2323506 2323507

Parameter	Units	40237270009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	168	100	100	273	270	105	102	90-110	1	15	
Nitrate as N	mg/L	<0.22	7.5	7.5	7.5	7.5	101	99	90-110	1	15	
Sulfate	mg/L	<2.2	100	100	110	109	108	107	90-110	1	15	

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REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

QC Batch: 403291 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40237269001, 40237269002, 40237269003, 40237269004, 40237269005, 40237269006, 40237269007

METHOD BLANK: 2328300 Matrix: Water
Associated Lab Samples: 40237269001, 40237269002, 40237269003, 40237269004, 40237269005, 40237269006, 40237269007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.14	0.50	12/05/21 19:30	

LABORATORY CONTROL SAMPLE: 2328301

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	12.5	13.1	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2328302 2328303

Parameter	Units	40237197003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	<0.50	6	6	4.8	4.9	75	76	80-120	1	10	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2328304 2328305

Parameter	Units	40237197004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	<0.50	6	6	5.6	5.7	90	91	80-120	1	10	

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
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

QC Batch: 403292 — Analysis Method: SM 5310C
QC Batch Method: SM 5310C — Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40237269008, 40237269009, 40237269010, 40237269011

METHOD BLANK: 2328306 Matrix: Water
Associated Lab Samples: 40237269008, 40237269009, 40237269010, 40237269011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.14	0.50	12/06/21 07:04	

LABORATORY CONTROL SAMPLE: 2328307

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	12.5	13.3	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2328308 2328309

Parameter	Units	40237269008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	12.9	36	36	51.2	51.9	106	108	80-120	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2328310 2328311

Parameter	Units	40237269009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	14.4	36	36	52.2	50.5	105	100	80-120	3	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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 at or above the adjusted LOD.

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

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P4	Sample field preservation does not meet EPA or method recommendations for this analysis.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40237269001	**TW1400**	EPA 8015B Modified	402553		
40237269002	**PZ1700**	EPA 8015B Modified	402835		
40237269003	**MW1000**	EPA 8015B Modified	402835		
40237269004	**MW3200**	EPA 8015B Modified	402835		
40237269005	**MW2000**	EPA 8015B Modified	402835		
40237269006	**MW800**	EPA 8015B Modified	402835		
40237269007	**MW2100**	EPA 8015B Modified	402835		
40237269008	**MW100**	EPA 8015B Modified	402835		
40237269009	**MW1500**	EPA 8015B Modified	402835		
40237269010	**MW200**	EPA 8015B Modified	402835		
40237269011	**MW600**	EPA 8015B Modified	402835		
40237269001	**TW1400**	EPA 3010A	402688	EPA 6010D	402874
40237269002	**PZ1700**	EPA 3010A	402688	EPA 6010D	402874
40237269003	**MW1000**	EPA 3010A	402688	EPA 6010D	402874
40237269004	**MW3200**	EPA 3010A	402688	EPA 6010D	402874
40237269005	**MW2000**	EPA 3010A	402688	EPA 6010D	402874
40237269006	**MW800**	EPA 3010A	402688	EPA 6010D	402874
40237269007	**MW2100**	EPA 3010A	402688	EPA 6010D	402874
40237269008	**MW100**	EPA 3010A	402688	EPA 6010D	402874
40237269009	**MW1500**	EPA 3010A	402688	EPA 6010D	402874
40237269010	**MW200**	EPA 3010A	402688	EPA 6010D	402874
40237269011	**MW600**	EPA 3010A	402688	EPA 6010D	402874
40237269001	**TW1400**	EPA 8260	402373		
40237269002	**PZ1700**	EPA 8260	402373		
40237269003	**MW1000**	EPA 8260	402373		
40237269004	**MW3200**	EPA 8260	402373		
40237269005	**MW2000**	EPA 8260	402373		
40237269006	**MW800**	EPA 8260	402373		
40237269007	**MW2100**	EPA 8260	402373		
40237269008	**MW100**	EPA 8260	402373		
40237269009	**MW1500**	EPA 8260	402373		
40237269010	**MW200**	EPA 8260	402373		
40237269011	**MW600**	EPA 8260	402373		
40237269001	**TW1400**	HACH 8146	402587		
40237269002	**PZ1700**	HACH 8146	402587		
40237269003	**MW1000**	HACH 8146	402587		
40237269004	**MW3200**	HACH 8146	402587		
40237269005	**MW2000**	HACH 8146	402587		
40237269006	**MW800**	HACH 8146	402587		
40237269007	**MW2100**	HACH 8146	402587		
40237269008	**MW100**	HACH 8146	402587		
40237269009	**MW1500**	HACH 8146	402587		
40237269010	**MW200**	HACH 8146	402587		
40237269011	**MW600**	HACH 8146	402587		
40237269001	**TW1400**	EPA 300.0	402316		
40237269010	**MW200**	EPA 300.0	402316		

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 8316 V&L STRIPPING
Pace Project No.: 40237269

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40237269011	**MW600**	EPA 300.0	402316		
40237269001	**TW1400**	SM 5310C	403291		
40237269002	**PZ1700**	SM 5310C	403291		
40237269003	**MW1000**	SM 5310C	403291		
40237269004	**MW3200**	SM 5310C	403291		
40237269005	**MW2000**	SM 5310C	403291		
40237269006	**MW800**	SM 5310C	403291		
40237269007	**MW2100**	SM 5310C	403291		
40237269008	**MW100**	SM 5310C	403292		
40237269009	**MW1500**	SM 5310C	403292		
40237269010	**MW200**	SM 5310C	403292		
40237269011	**MW600**	SM 5310C	403292		

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UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1

40237269

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	RET
Branch/Location:	Wausau
Project Contact:	Andy Delforge
Phone:	715 675 9784
Project Number:	8318
Project Name:	VOC Stripping
Project State:	WI
Sampled By (Print):	Paul Prosser
Sampled By (Sign):	Paul P
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Andy Delforge
Mail To Company:	RET
Mail To Address:	ADelforge@RETengineering.com
Invoice To Contact:	SAME
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
Sl = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: 8015B VOC	Nitrate, Sulfate, Chloride, Ferrous Fe	TOC	Manganese, methane, ethene, Ethane	N	N	N	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					N	B										
					N	A										
					N	C										
					N	D										
					N	B										
001	TW 1400	11-17	9:45	GW			✓	✓	✓	✓	✓					
002	PZ 1700		10:00													
003	MW 1000		12:00													
004	MW 1200		11:30													
005	MW 2000R		11:00													
006	MW 800		10:30													
007	MW 2100		12:30													
008	MW 100		1:00													
009	MW 1500		1:30													
010	MW 200		2:00													
011	MW 600R	✓	2:30	✓			✓	✓	✓	✓	✓					

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	11/18/2021 15:00		
Walt	11/19/21 900	Mary Rose	11/19/21 900

PACE Project No.: 40237269

Receipt Temp = 0.1 °C

Sample Receipt pH: OK / Adjusted

Cooler Custody Seal: Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Client Name: RET

Sample Preservation Receipt Form

Project # 40235269

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

All containers needing preservation have been checked and noted below: X Yes ☐No ☐N/A

Lab Lot# of pH paper: 101x0104 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: MP Date/ Time: 11/9/21

Pace Lab #	Glass								Plastic					Vials						Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN							
001																	6															2.5 / 5 / 10
002																	6											X				2.5 / 5 / 10
003																	6											X				2.5 / 5 / 10
004																	6											X				2.5 / 5 / 10
005																	6											X				2.5 / 5 / 10
006																	6											X				2.5 / 5 / 10
007																	6											X				2.5 / 5 / 10
008																	6											X				2.5 / 5 / 10
009																	6											X				2.5 / 5 / 10
010																	6											X				2.5 / 5 / 10
011																	6											X				2.5 / 5 / 10
012																	6											X				2.5 / 5 / 10
013																																2.5 / 5 / 10
014																																2.5 / 5 / 10
015																																2.5 / 5 / 10
016																																2.5 / 5 / 10
017																																2.5 / 5 / 10
018																																2.5 / 5 / 10
019																																2.5 / 5 / 10
020																																2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : ☐Yes X No ☐N/A ***If yes look in headspace column**

G1U	1 liter amber glass
G1U	1 liter clear glass
G1H	1 liter amber glass HCL
G4S	125 mL amber glass H2SO4
G4U	120 mL amber glass unpres
G5U	100 mL amber glass unpres
G2S	500 mL amber glass H2SO4
G3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

Pace Analytical® 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: RET

Project #:

WO#: 40237269

40237269

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☒ Waltco ☐ Client ☐ Pace Other:

Tracking #: 304156-1

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

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

Thermometer Used SR - 114 **Type of Ice:** (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 0 /Corr: 0.1

Person examining contents:

Temp Blank Present: ☒ yes ☐ no **Biological Tissue is Frozen:** ☐ yes ☐ no Date: 11/19/21 /Initials: up

Labeled By Initials: aw

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☒Yes ☐No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume: For Analysis: ☒Yes ☐No MS/MSD: ☐Yes ☒No ☐N/A		8.
Correct Containers Used: 11/19/21 aw	☐Yes ☒No	9. no nitric-preserved volume for Mn tests, 009: BP3S+BP3U caps received swapped, lab swapped them back, PM informed 11/19/21 aw
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WI		
Trip Blank Present:	☐Yes ☒No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logi

ATTACHMENT C

DISPOSAL DOCUMENTATION

Date: 8-8-07

SPECIAL DISCHARGE FORM

GROUNDWATER CLEANUP PROJECTS

This form is intended to document the discharge of contaminated groundwater or process waters into the Wausau Wastewater Treatment Facility. Sewerage Utility billing for this discharge will be directly to the party listed below.

Source of Water: Monitoring well purge water
Up to 500 gallons, no free product, no strong or volatile odors

Party Responsible for Utility Charges:
Dave Larsen
REI Engineering Inc.
4080 N 20th Ave
Wausau WI 54401

Approved By: DC
Wausau Sewerage Utility

T# Date GL# P# BG# Approved By

TO BE COMPLETED BY WASTE HAULER

Name of Waste Hauler:
REI Engineering Inc.

Disposal date 12/2/21

Approximate quantity of water discharged: 700 Gallons

Date of Discharge: 12/2/21

Time of Discharge:

By submitting this form, the hauler will not be billed for this load. Special Discharge Request has been completed to obtain authorization for this discharge but please notify treatment plant operator if water contains oil, grease, solids, or sediments, has a strong odor or otherwise appears unsuitable for discharge into the treatment plant.

THIS FORM TO BE SUBMITTED TO SEWERAGE UTILITY BY WASTE HAULER AT TIME OF DISCHARGE

1A 2021	BG 59006	Mega cornell	300 gallons	$ 126.00	
1A 2021	BG 58692	Mini mart Crivitz Wausau	150 gallons	$ 63.00	
1A 2021	BG 58941	Chilton falls	250 gallons	$ 105.00	
8318		WC	35 Gallons	$ 14.00	

Date: 8-8-07

SPECIAL DISCHARGE FORM

GROUNDWATER CLEANUP PROJECTS

This form is intended to document the discharge of contaminated groundwater or process waters into the Wausau Wastewater Treatment Facility. Sewerage Utility billing for this discharge will be directly to the party listed below.

Source of Water: Monitoring well purge water
Up to 500 gallons, no free product, no strong or volatile odors

Party Responsible for Utility Charges:
Dave Larsen
REI Engineering Inc.
4080 N 20th Ave
Wausau WI 54401

Approved By: _____
Wausau Sewerage Utility

TO BE COMPLETED BY WASTE HAULER

Name of Waste Hauler:
REI Engineering,Inc.

Disposal date 10/7/21

Approximate quantity of water discharged: 330

Date of Discharge: 10/7/21

Time of Discharge: _____

By submitting this form, the hauler will not be billed for this load. Special Discharge Request has been completed to obtain authorization for this discharge but please notify treatment plant operator if water contains oil, grease, solids, or sediments, has a strong odor or otherwise appears unsuitable for discharge into the treatment plant.

THIS FORM TO BE SUBMITTED TO SEWERAGE UTILITY BY WASTE HAULER AT TIME OF DISCHARGE

IA 2021	GPM 4521	58363	50 gal	$ 21.00
IA 2021	GPM 4479	58220	100 gal	$ 42.00
IA 2021	GPM 4534	58300	100 gal	$ 42.00
IA 2021	Monument	58452	30 gal	$ 12.60
9485E	Wausau Mall	BG2	50 gal	$ 21.00
8318	U+L		35 gal	$ 14.70

ATTACHMENT D

METHODS AND PROCEDURES FOR SUB-SLAB VAPOR SAMPLING

METHODS AND PROCEDURES
FOR
SUB-SLAB VAPOR PROBE INSTALLATION & SAMPLE COLLECTION

Installation

Interior sub-slab vapor samples are collected via the installation of a stainless-steel VAPOR PIN® (Part# VPIN0522SS). The probe will be installed following the manufacturer Standard Operating Procedure Installation and Extraction of the VAPOR PIN® (March 16, 2018) and Use of the VAPOR PIN® Drilling Guide and Secure Cover (March 16, 2018).

Equilibration & Leak Testing

After installation, the sub-slab vapors will be allowed to equilibrate prior to sampling by allowing the probe to "rest" for a period of one (1) to two (2) hours or by purging the sub-slab probe and screening the sub-slab vapors until field meter reading are stable.

Leak tests to verify the tightness of the sampling train and the sample probe are completed prior to sample collection. A helium shroud is utilized to verify the tightness of the sample probe and sampling train contained within the shroud. The helium shroud consists of a six (6) quart polyethylene box placed over the sample port. Sample tubing, consisting of quarter (1/4) inch outside diameter HDPE is connected to the sample port barbed fitting utilizing approximately two (2) inch long pieces of LS15 silicon tubing and connected to the helium shroud internal sample train. Helium is introduced through a valve in the top of the helium shroud to a concentration of twenty (20) to fifty (50) percent by volume. A MiniRAE PID with internal pump is used to purge the sample line connected to the sample port with at least four (4) volumes of air removed from the tubing. The purge air is monitored for the presence of helium using an OxyCheq Expedition Helium Analyzer. Once the line was purged and the helium detector identified showed the seal was adequate the sample line is disconnected from the vacuum pump and connected to the sampling container. The sample train and vapor probe seal are considered sealed when helium concentrations in the purge air is less than five (5) percent of the shroud concentration.

Sample Collection

Sub-slab vapor samples are collected utilizing a laboratory provided canister, received from the laboratory with a vacuum, and a laboratory provided flow controller. The flow controller is connected to the sample line with a compression fitting to the quarter (1/4) inch HDPE tubing. Once the sample train is connected the initial vacuum is recorded and the sample canister draws vapor

until the vacuum pressure decreased to two (2) to five (5) inches of mercury at which time sample collection is terminated.

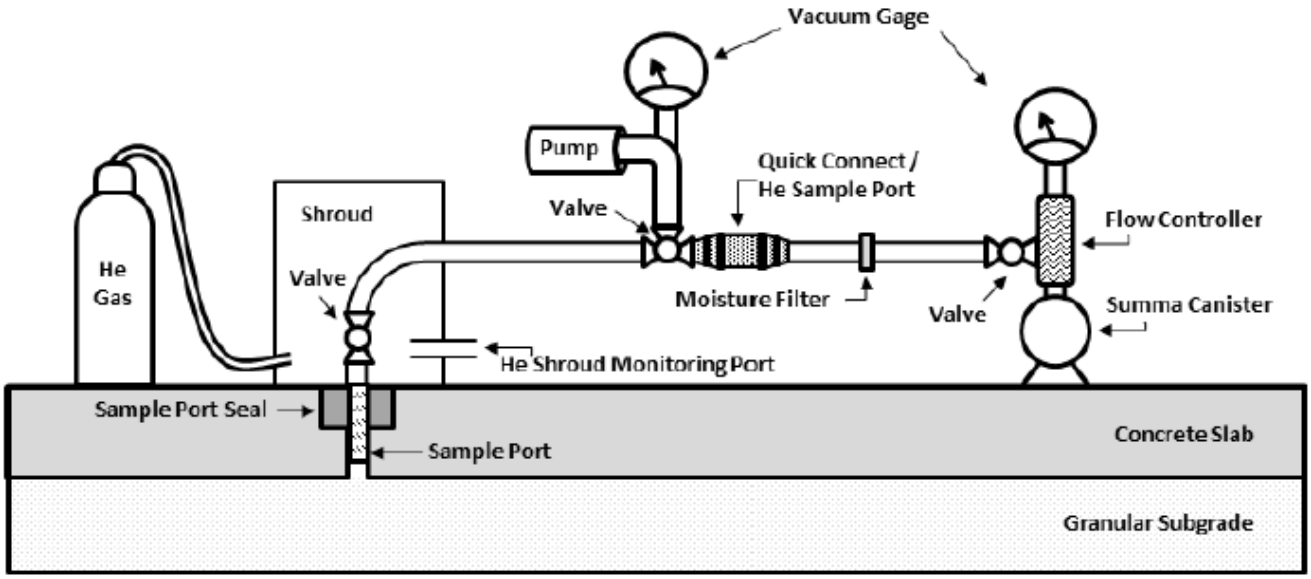

Figure 1: Example Sub-Slab Vapor Sample Train. From WDNR Sub-slab Vapor Sampling Procedures (RR-989), July 2014.

Abandonment

Interior sub-slab vapor probes are extracting following the manufacturer Standard Operating Procedure Installation and Extraction of the VAPOR PIN® (March 16, 2018). The void through the concrete slab if filled with hydraulic cement and smoothed with a trowel.

ATTACHMENT E

PHOTOGRAPHS

REI
CIVIL & ENVIRONMENTAL
ENGINEERING, SURVEYING

Installing CGP1

CGP2

CGP3

CGP4

REI
CIVIL & ENVIRONMENTAL
ENGINEERING, SURVEYING

CGP4

CGP5

Installing VP1

Sampling VP1

Sampling VP2

Sampling VP3

ATTACHMENT F

VAPOR ANALYTICAL REPORT

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

November 05, 2021

Andy Delforge
REI Engineering
4080 N. 20th Ave
Wausau, WI 54401

RE: Project: 8313 U & L Stripp
Pace Project No.: 10585293

Dear Andy Delforge:

Enclosed are the analytical results for sample(s) received by the laboratory on October 27, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Minneapolis

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

Sincerely,

Matt Ray
matt.ray@pacelabs.com
(612)607-1700
Project Manager

Enclosures

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 8313 U & L Stripp
Pace Project No.: 10585293

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
A2LA Certification #: 2926.01*
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 8313 U & L Stripp
Pace Project No.: 10585293

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10585293001	**VP1**	Air	10/26/21 12:08	10/27/21 08:50
10585293002	**VP2**	Air	10/26/21 12:45	10/27/21 08:50
10585293003	**VP3**	Air	10/26/21 11:30	10/27/21 08:50

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 8313 U & L Stripp
Pace Project No.: 10585293

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10585293001	**VP1**	TO-15	MJL	5	PASI-M
10585293002	**VP2**	TO-15	MJL	5	PASI-M
10585293003	**VP3**	TO-15	MJL	5	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

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1700 Elm Street
Minneapolis, MN 55414
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SUMMARY OF DETECTION

Project: 8313 U & L Stripp
Pace Project No.: 10585293

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
10585293001	**VP1**					
TO-15	cis-1,2-Dichloroethene	354	ug/m3	41.3	11/02/21 07:44	
TO-15	trans-1,2-Dichloroethene	33.5J	ug/m3	41.3	11/02/21 07:44	
TO-15	Tetrachloroethene	254000	ug/m3	9060	11/02/21 22:24	
TO-15	Trichloroethene	3520	ug/m3	28.0	11/02/21 07:44	
TO-15	Vinyl chloride	29.9J	ug/m3	66.6	11/02/21 07:44	
10585293002	**VP2**					
TO-15	cis-1,2-Dichloroethene	8380	ug/m3	62.6	11/02/21 08:14	
TO-15	trans-1,2-Dichloroethene	246	ug/m3	62.6	11/02/21 08:14	
TO-15	Tetrachloroethene	409000	ug/m3	10900	11/02/21 21:23	
TO-15	Trichloroethene	14700	ug/m3	42.4	11/02/21 08:14	
TO-15	Vinyl chloride	44.0J	ug/m3	101	11/02/21 08:14	
10585293003	**VP3**					
TO-15	cis-1,2-Dichloroethene	0.74J	ug/m3	1.4	11/04/21 19:22	
TO-15	trans-1,2-Dichloroethene	0.69J	ug/m3	1.4	11/04/21 19:22	
TO-15	Tetrachloroethene	56.4	ug/m3	2.4	11/04/21 19:22	
TO-15	Trichloroethene	3.7	ug/m3	0.93	11/04/21 19:22	

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

PROJECT NARRATIVE

Project: 8313 U & L Stripp
Pace Project No.: 10585293

Method: **TO-15**
Description: TO15 MSV AIR
Client: REI Engineering
Date: November 05, 2021

General Information:
3 samples were analyzed for TO-15 by Pace Analytical Services Minneapolis. 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.

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.

Additional Comments:

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 8313 U & L Stripp
Pace Project No.: 10585293

Sample: VP1 **Lab ID: 10585293001** Collected: 10/26/21 12:08 Received: 10/27/21 08:50 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
cis-1,2-Dichloroethene	**354**	ug/m3	41.3	10.0	51.3		11/02/21 07:44	156-59-2	
trans-1,2-Dichloroethene	**33.5J**	ug/m3	41.3	8.6	51.3		11/02/21 07:44	156-60-5	
Tetrachloroethene	**254000**	ug/m3	9060	1920	6566		11/02/21 22:24	127-18-4	
Trichloroethene	**3520**	ug/m3	28.0	10.1	51.3		11/02/21 07:44	79-01-6	
Vinyl chloride	**29.9J**	ug/m3	66.6	4.5	51.3		11/02/21 07:44	75-01-4	

Sample: VP2 **Lab ID: 10585293002** Collected: 10/26/21 12:45 Received: 10/27/21 08:50 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
cis-1,2-Dichloroethene	**8380**	ug/m3	62.6	15.2	77.7		11/02/21 08:14	156-59-2	
trans-1,2-Dichloroethene	**246**	ug/m3	62.6	13.1	77.7		11/02/21 08:14	156-60-5	
Tetrachloroethene	**409000**	ug/m3	10900	2310	7910		11/02/21 21:23	127-18-4	
Trichloroethene	**14700**	ug/m3	42.4	15.2	77.7		11/02/21 08:14	79-01-6	
Vinyl chloride	**44.0J**	ug/m3	101	6.7	77.7		11/02/21 08:14	75-01-4	

Sample: VP3 **Lab ID: 10585293003** Collected: 10/26/21 11:30 Received: 10/27/21 08:50 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
cis-1,2-Dichloroethene	**0.74J**	ug/m3	1.4	0.33	1.71		11/04/21 19:22	156-59-2	
trans-1,2-Dichloroethene	**0.69J**	ug/m3	1.4	0.29	1.71		11/04/21 19:22	156-60-5	
Tetrachloroethene	**56.4**	ug/m3	2.4	0.50	1.71		11/04/21 19:22	127-18-4	
Trichloroethene	**3.7**	ug/m3	0.93	0.34	1.71		11/04/21 19:22	79-01-6	
Vinyl chloride	**<0.15**	ug/m3	0.44	0.15	1.71		11/04/21 19:22	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 8313 U & L Stripp
Pace Project No.: 10585293

QC Batch: 780771
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10585293001, 10585293002

METHOD BLANK: 4158372 Matrix: Air
Associated Lab Samples: 10585293001, 10585293002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.20	0.81	11/01/21 19:34	
Tetrachloroethene	ug/m3	0.47J	1.4	11/01/21 19:34	
trans-1,2-Dichloroethene	ug/m3	<0.17	0.81	11/01/21 19:34	
Trichloroethene	ug/m3	<0.20	0.55	11/01/21 19:34	
Vinyl chloride	ug/m3	0.62J	1.3	11/01/21 19:34	

LABORATORY CONTROL SAMPLE: 4158373

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/m3	43.4	51.4	118	70-137	
Tetrachloroethene	ug/m3	73.4	85.1	116	70-130	
trans-1,2-Dichloroethene	ug/m3	43.6	48.9	112	70-130	
Trichloroethene	ug/m3	58.4	67.8	116	70-130	
Vinyl chloride	ug/m3	28	30.7	110	70-137	

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
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 8313 U & L Stripp
Pace Project No.: 10585293

QC Batch: 781661
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10585293003

METHOD BLANK: 4162418 Matrix: Air
Associated Lab Samples: 10585293003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.20	0.81	11/04/21 17:00	
Tetrachloroethene	ug/m3	<0.29	1.4	11/04/21 17:00	
trans-1,2-Dichloroethene	ug/m3	<0.17	0.81	11/04/21 17:00	
Trichloroethene	ug/m3	<0.20	0.55	11/04/21 17:00	
Vinyl chloride	ug/m3	<0.087	0.26	11/04/21 17:00	

LABORATORY CONTROL SAMPLE: 4162419

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/m3	41	41.9	102	70-137	
Tetrachloroethene	ug/m3	69.9	72.9	104	70-130	
trans-1,2-Dichloroethene	ug/m3	40.8	42.5	104	70-130	
Trichloroethene	ug/m3	55.7	58.3	105	70-130	
Vinyl chloride	ug/m3	26.6	26.3	99	70-137	

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
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 8313 U & L Stripp
Pace Project No.: 10585293

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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 at or above the adjusted LOD.

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.

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 8313 U & L Stripp
Pace Project No.: 10585293

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10585293001	**VP1**	TO-15	780771		
10585293002	**VP2**	TO-15	780771		
10585293003	**VP3**	TO-15	781661		

Pace Analytical
www.pacelabs.com

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

50020

Page: 1 of 1

Section A Required Client Information:

Company: REE
Address:
Email To: ADellinger@reginvents.com
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Andy DeLong
Copy To:
Purchase Order No.:
Project Name: V+L STORAGE
Project Number: 8318

Section C Invoice Information:

Attention: Andy DeLong
Company Name: REE
Address:
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #:

Program: ☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act ☐ Voluntary Clean Up ☒ Dry Clean ☐ RCRA ☐ Other

Location of Sampling by State: NE

Reporting Units: ug/m³ ✓ mg/m³ ___ PPBV ___ PPMV ___ Other ___

Report Level: II.___ III.___ IV.___ Other___

'Section D Required Client Information

AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method: PM10	3C - Fixed Gas (%)	TO-3 BTEX	TO-3M (Methane)	TO-14	TO-15 Full List VOCs	TO-15 Short List BTEX	TO-15 Short List Chlorinated	TO-15 Short List (other)	Pace Lab ID
1	VP1	6L	0	10/26/21	12:37	10/26/21	12:03	29	12	3401	0798						✓				001
2	VP2	6L	2	↓	12:15	↓	12:15	31	8	5541	1637						✓				002
3	VP3	6L	0	↓	11:20	↓	11:30	30	8	1686	0699						✓				003
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

WO#: 10585293

10585293

Comments :

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	10/26/21	1:10		10/27/21	8:50

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
—	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Andrew DeLong

SIGNATURE of SAMPLER:

DATE Signed (MM / DD /YY): 10/26/21

ORIGINAL

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414 Air Technical Phone: 612.607.6386

Pace Analytical®	Document Name: Sample Condition Upon Receipt (SCUR) - Air	Document Revised: 13Oct2021 Page 1 of 1
	Document No.: ENV-FRM-MIN4-0113 Rev.01	Pace Analytical Services - Minneapolis

Air Sample Condition Upon Receipt **Client Name:** REI **Project #:** **WO# : 10585293**

Courier: ☐ FedEx ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☒ Commercial

Tracking Number: 3015416-1 ☐ See Exception

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No

Seals Intact? ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Tin Can ☐ Other: _____

PM: MR2 **Due Date: 11/04/21**

CLIENT: REI Eng

Date & Initials of Person Examining Contents: 10-27-21 MZ

				Comments:
Chain of Custody Present?	☑ Yes	☐ No		1.
Chain of Custody Filled Out?	☑ Yes	☐ No		2.
Chain of Custody Relinquished?	☑ Yes	☐ No		3.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No		5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No		6.
Rush Turn Around Time Requested?	☐ Yes	☒ No		7.
Sufficient Volume?	☑ Yes	☐ No		8.
Correct Containers Used? **(Tedlar bags not acceptable container for TO-15 or APH)**	☑ Yes	☐ No		9.
-Pace Containers Used?	☑ Yes	☐ No		
Containers Intact? **(visual inspection/no leaks when pressurized)**	☒ Yes	☐ No		10.
Media: Air Can | Airbag				11. Individually Certified Cans? Y | N (list which samples)
Is sufficient information available to reconcile samples to the COC?	☑ Yes	☐ No		12.
Do cans need to be pressurized? **(DO NOT PRESSURIZE 3C or ASTM 1946!!!)**	☒ Yes	☐ No		13.

Gauge #: ☐ 10AIR26 ☐ 10AIR34 ☐ 10AIR35 ☐ 10AIR17 ☐ 10AIR47 ☒ 10AIR48

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
VP1	3401	798	-6.5	+5					
VP2	541	1637	-10.5	↓					
VP3	1686	699	-6.5	↓					

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Matt Ray **Date:** 10/28/21

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers).

ATTACHMENT G

OFF-SITE ACCESS REQUESTS

REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

November 17, 2021

James Keehan
3769 Farmstead Road
Green Bay, WI 54311

Subject:

Second Notice: Access to Conduct Chemical Vapor Sampling Necessary by 12/31/21
Former V&L Stripping
864 Mather Street
Green Bay, WI 54303

Dear Mr. Keehan:

The purpose of this letter is to remind you that REI Engineering, Inc. on behalf of Ken Juza, is sampling for chemical vapor intrusion in your neighborhood needs to sample your property at 856 Mather Street. On August 26, 2021, we sent a letter describing that we need to collect an air sample from the soil beneath the basement and from within the basement to determine whether harmful vapors from chemicals used at the Former V&L Stripping may be present on your property or impacting your home. This needs to be done as part of a state-required environmental investigation.

In order to proceed, we need your signed access agreement by December 15, 2021.

Please send the signed agreement back in the self-addressed envelope provided with this letter, or FAX it to Andrew Delforge at (715) 675-4060. You can also send a PDF copy to Andrew Delforge at adelforge@reiengineering.com.

Please do not modify the access agreement in any manner, since it may void the agreement. If you have questions or concerns about the wording of the agreement or the testing, please call Andrew Delforge at (715) 675-9784.

Once the signed access agreement is returned, REI Engineering, Inc. will contact you to arrange a convenient sampling date and time.

Thank you very much for your cooperation.

Sincerely,
REI Engineering, Inc.

Andrew R. Delforge P.G.
Senior Hydrogeologist/Project Manager

RIGHT OF ENTRY AND INDEMNITY AGREEMENT

AGREEMENT made this 17 day of November 2021 by and between James Keehan ("Property Owner") and REI Engineering, Inc. (REI), as agent for Ken Juza (Responsible Party for V&L Stripping) as follows:

WHEREAS, The Wisconsin Department of Natural Resources (WDNR) has requested that Ken Juza ("Client"), investigate chlorinated solvent contamination by collecting sub-slab vapor samples on the property located at 856 Mather Street (the "Property"); and

WHEREAS, the proposed groundwater monitoring well is located on property owned by James Keehan.

NOT THEREFORE, in consideration of the mutual promises contained herein, the parties agree as follows:

1. Property Owner agrees to allow REI, its agents, employees and assigns access to the Property to collect a sub-slab vapor sample and all activities required in collection therewith.

2. REI agrees to indemnify and hold harmless Property Owner against all claims, losses, damages, or expenses arising out of REI negligence in its performance of environmental site investigation activities and all activities required in connection therewith of the property.

3. In consideration of Property Owner granting REI this right of entry, REI agrees to reasonable restore the Property to its condition immediately prior to REI's entry if any damage has resulted from REI's entry.

IN WITNESS WHEREOF, the parties have executed this agreement the day and year first above written.

James Keehan
3769 Farmstead Road
Green Bay, WI 54311
By_____
Title_____

REI Engineering, Inc.
By_____
Title Project Manager

PUB-RR-953
Feb 2014

Wisconsin DNR vapor intrusion quick facts

Why Test for Vapor Intrusion?

Vapor intrusion is likely an unfamiliar term to you, and hearing that your property should be tested for possible chemical vapor intrusion may cause you some concern. That is understandable, and this information sheet is designed to answer basic questions many people have. Please refer to DNR PUB-RR-892, "What is Vapor Intrusion?" for a summary discussion of the term "vapor intrusion."

Most cases of vapor intrusion will pose no immediate threat to your health and safety. However, when other neighborhood properties are contaminated, it is wise to get your home or building tested to determine if there is any cause for concern. If potentially harmful chemical vapors are detected inside your home or building, the Department of Natural Resources (DNR), working in collaboration with other health and environmental professionals, will help you come up with a solution to protect you and your family.

Please consider the following factors when deciding whether to allow access for sampling:

Peace of mind

If there's a chance that chemical vapor or soil gas is seeping into your home or business, testing can determine whether it really is and to what extent. If testing reveals a problem, then steps can be taken to resolve it, making the indoor air you breathe safer for you and your family. Like radon gas, vapors from nearby soil or groundwater contamination can be diverted from beneath your home or office building and safely expelled into the outdoors, thus improving air quality inside your home or building.

The goal of sampling a residence or business is to eliminate as many of the unknowns as possible and safely address any concerns.

Who pays for testing?

You didn't cause this problem, so you don't have to pay for testing just as long as you allow reasonable and timely access to have testing done. The cost of sampling at potentially impacted residences or workplaces, like yours, is covered by the responsible party (the person or business legally obligated to investigate and clean up the contamination). In some cases, it's paid for directly by DNR, the Department of Health Services (DHS), or some other agency. Vapor sampling will be performed by a professional, and samples will be sent to a specialized lab for analysis.

Trained professionals and experts oversee the process

Multiple state and local agencies often work together to determine if vapor intrusion is a potential health risk in an area. The DNR, DHS, local health officials, the responsible party and environmental consultants are working together to ensure that quality samples are taken and that all results are given extensive review. It is important to gather the information in order to adequately understand if or where there may be a risk of vapor intrusion in your neighborhood.

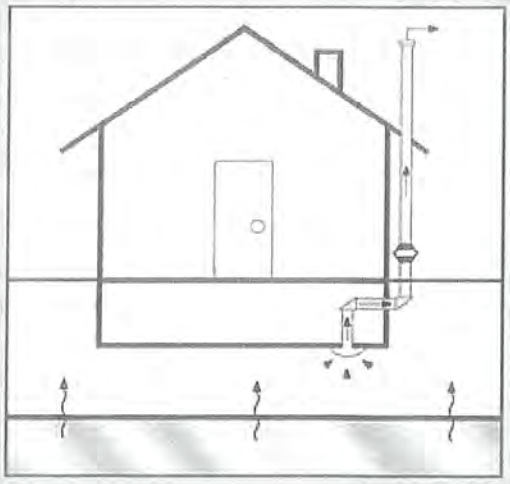
Wisconsin Department of Natural Resources
P.O. Box 7921, Madison, WI 53707
dnr.wi.gov, search "Brownfields"

A simple, cost effective solution exists

If vapor intrusion is a problem in a house or building, it can generally be solved by installing a vapor mitigation system. These sub-slab depressurizing systems are similar to those used to eliminate radon gas underneath homes, and have been used for years in a safe and effective manner. If the source of the vapor is tied to a responsible party, they will often pay to have a system installed at your home. The annual upkeep and operation of a typical system is generally less than $100 per year, mostly for electricity. These annual costs are typically the responsibility of the homeowner.

How will I know if the vapors have been eliminated?

After a vapor mitigation system is installed, follow-up testing of indoor air typically takes place three to six months later. The systems are usually considered permanent fixtures of the building. In cases where the source of the vapor is completely eliminated, the systems should no longer be needed.



If potentially harmful chemical vapor intrusion is detected in a home or business, the most common solution is to install a sub-slab depressurization system. This system captures and redirects soil vapors from below the building foundation before they enter the indoor air. Vapors are vented outside of the building where they disperse into the air and are rendered harmless.

Sub-slab depressurization systems also prevent radon from entering homes, which is an added health benefit in radon-prone areas.

Where can I find more information?

Health and vapor-related information can be found at the Wisconsin Department of Health Services (DHS) website at dhs.wisconsin.gov , search "Vapor." For other health-related questions, please contact your local health department: www.dhs.wisconsin.gov/localhealth.

For more DNR information, please visit the DNR's Remediation and Redevelopment (RR) Program's Vapor Intrusion page at dnr.wi.gov/topic/Brownfields/Vapor.html.

Additional information can be obtained through the DNR field office in your region. To find the correct office, visit the RR Program Staff Contacts page at dnr.wi.gov/topic/Brownfields/Contact.html or call the RR Program at (608) 266-2111.

REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

November 17, 2021

Sara Lindner
714 Lincoln Street
Green Bay, WI 54303

Subject:

Second Notice: Access to Conduct Chemical Vapor Sampling Necessary by 12/31/21
Former V&L Stripping
864 Mather Street
Green Bay, WI 54303

Dear Ms. Lindner:

The purpose of this letter is to remind you that REI Engineering, Inc. on behalf of Ken Juza, is sampling for chemical vapor intrusion in your neighborhood needs to sample your property at 714 Lincoln Street.

On August 26, 2021, we sent a letter describing that we need to collect an air sample from the soil beneath your basement and from within your basement to determine whether harmful vapors from chemicals used at the Former V&L Stripping may be present on your property or impacting your home. This needs to be done as part of a state-required environmental investigation.

In order to proceed, we need your signed access agreement by December 15, 2021.

Please send the signed agreement back in the self-addressed envelope provided with this letter, or FAX it to Andrew Delforge at (715) 675-4060. You can also send a PDF copy to Andrew Delforge at adelforge@reiengineering.com.

Please do not modify the access agreement in any manner, since it may void the agreement. If you have questions or concerns about the wording of the agreement or the testing, please call Andrew Delforge at (715) 675-9784.

Once the signed access agreement is returned, REI Engineering, Inc. will contact you to arrange a convenient sampling date and time.

Thank you very much for your cooperation.

Sincerely,
REI Engineering, Inc.

Andrew R. Delforge P.G.
Senior Hydrogeologist/Project Manager

RIGHT OF ENTRY AND INDEMNITY AGREEMENT

AGREEMENT made this 17 day of November 2021 by and between Sara Lindner ("Property Owner") and REI Engineering, Inc. (REI), as agent for Ken Juza (Responsible Party for V&L Stripping) as follows:

WHEREAS, The Wisconsin Department of Natural Resources (WDNR) has requested that Ken Juza ("Client"), investigate chlorinated solvent contamination by collecting sub-slab vapor samples on the property located at 714 Lincoln Street (the "Property"); and

WHEREAS, the proposed groundwater monitoring well is located on property owned by Sara Lindner

NOT THEREFORE, in consideration of the mutual promises contained herein, the parties agree as follows:

1. Property Owner agrees to allow REI, its agents, employees and assigns access to the Property to collect a sub-slab vapor sample and all activities required in collection therewith.

2. REI agrees to indemnify and hold harmless Property Owner against all claims, losses, damages, or expenses arising out of REI negligence in its performance of environmental site investigation activities and all activities required in connection therewith of the property.

3. In consideration of Property Owner granting REI this right of entry, REI agrees to reasonable restore the Property to its condition immediately prior to REI's entry if any damage has resulted from REI's entry.

IN WITNESS WHEREOF, the parties have executed this agreement the day and year first above written.

Sara Lindner
714 Lincoln Street
Green Bay, WI 54303
By_____
Title_____

REI Engineering, Inc.
By_____
Title Project Manager

PUB-RR-953
Feb 2014

Wisconsin DNR vapor intrusion quick facts

Why Test for Vapor Intrusion?

Vapor intrusion is likely an unfamiliar term to you, and hearing that your property should be tested for possible chemical vapor intrusion may cause you some concern. That is understandable, and this information sheet is designed to answer basic questions many people have. Please refer to DNR PUB-RR-892, "What is Vapor Intrusion?" for a summary discussion of the term "vapor intrusion."

The goal of sampling a residence or business is to eliminate as many of the unknowns as possible and safely address any concerns.

Most cases of vapor intrusion will pose no immediate threat to your health and safety. However, when other neighborhood properties are contaminated, it is wise to get your home or building tested to determine if there is any cause for concern. If potentially harmful chemical vapors are detected inside your home or building, the Department of Natural Resources (DNR), working in collaboration with other health and environmental professionals, will help you come up with a solution to protect you and your family.

Please consider the following factors when deciding whether to allow access for sampling:

Peace of mind

If there's a chance that chemical vapor or soil gas is seeping into your home or business, testing can determine whether it really is and to what extent. If testing reveals a problem, then steps can be taken to resolve it, making the indoor air you breathe safer for you and your family. Like radon gas, vapors from nearby soil or groundwater contamination can be diverted from beneath your home or office building and safely expelled into the outdoors, thus improving air quality inside your home or building.

Who pays for testing?

You didn't cause this problem, so you don't have to pay for testing just as long as you allow reasonable and timely access to have testing done. The cost of sampling at potentially impacted residences or workplaces, like yours, is covered by the responsible party (the person or business legally obligated to investigate and clean up the contamination). In some cases, it's paid for directly by DNR, the Department of Health Services (DHS), or some other agency. Vapor sampling will be performed by a professional, and samples will be sent to a specialized lab for analysis.

Trained professionals and experts oversee the process

Multiple state and local agencies often work together to determine if vapor intrusion is a potential health risk in an area. The DNR, DHS, local health officials, the responsible party and environmental consultants are working together to ensure that quality samples are taken and that all results are given extensive review. It is important to gather the information in order to adequately understand if or where there may be a risk of vapor intrusion in your neighborhood.

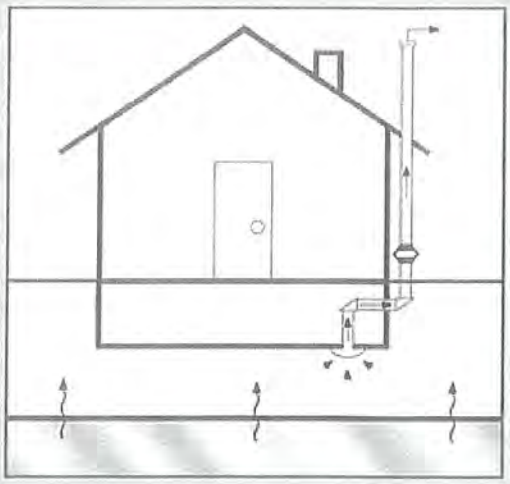
Wisconsin Department of Natural Resources
P.O. Box 7921, Madison, WI 53707
dnr.wi.gov, search "Brownfields"

A simple, cost effective solution exists

If vapor intrusion is a problem in a house or building, it can generally be solved by installing a vapor mitigation system. These sub-slab depressurizing systems are similar to those used to eliminate radon gas underneath homes, and have been used for years in a safe and effective manner. If the source of the vapor is tied to a responsible party, they will often pay to have a system installed at your home. The annual upkeep and operation of a typical system is generally less than $100 per year, mostly for electricity. These annual costs are typically the responsibility of the homeowner.

How will I know if the vapors have been eliminated?

After a vapor mitigation system is installed, follow-up testing of indoor air typically takes place three to six months later. The systems are usually considered permanent fixtures of the building. In cases where the source of the vapor is completely eliminated, the systems should no longer be needed.



If potentially harmful chemical vapor intrusion is detected in a home or business, the most common solution is to install a sub-slab depressurization system. This system captures and redirects soil vapors from below the building foundation before they enter the indoor air. Vapors are vented outside of the building where they disperse into the air and are rendered harmless.

Sub-slab depressurization systems also prevent radon from entering homes, which is an added health benefit in radon-prone areas.

Where can I find more information?

Health and vapor-related information can be found at the Wisconsin Department of Health Services (DHS) website at dhs.wisconsin.gov , search "Vapor." For other health-related questions, please contact your local health department: www.dhs.wisconsin.gov/localhealth.

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REI
CIVIL & ENVIRONMENTAL
ENGINEERING, SURVEYING

August 26, 2021

Sara Lindner
714 Lincoln Street
Green Bay, WI 54303

Subject:

Request for Access for Sampling for Vapor Intrusion
Former V&L Stripping
864 Mather Street
Green Bay, WI 54303

Dear Ms. Lindner:

As part of the ongoing investigation of environmental contamination at the former V&L Stripping site, we are requesting permission to test your home for vapor intrusion. Vapor intrusion is the movement of vapors from chemicals in the soil or groundwater into the indoor air. It is very similar to the way that radon gas can move into a home or office. This testing is part of an ongoing investigation and cleanup of tetrachloroethylene being conducted at the direction of Ken Juza by REI Engineering, Inc.

Not only will the results tell us if vapors are present in your home, they will also help us get a better idea as to whether vapors are a concern to the entire neighborhood.

REI needs to collect an air sample from the soil beneath your foundation and from within your home to determine whether vapors from chemicals used at V&L Stripping may be present in your home and, if so, at what levels. This is part of the DNR-required investigation at V&L Stripping and these air sampling tests will be paid for by Ken Juza. Assuming there is a sump pump pit in the basement of your home, that is likely where the sample will be collected, minimizing any disturbance.

In order to complete the site investigation, we will need to receive your signed access agreement. Please send the signed agreement back in the self-addressed envelope provided with this letter, or send a scanned PDF copy to me at adelforge@reiengineering.com.

By taking action now to address potential chemical vapor intrusion in your home, you may avoid possible health and property liability issues in the future.

If you have questions or concerns about the wording of the agreement or any other aspect of this request or the testing, please call me at (715) 675-9784.

Thank you for your assistance with this project. Please contact me at (715) 675-9784 or Adelforge@REIengineering.com if you would like to discuss this further.

Sincerely,
REI Engineering, Inc.

Andrew R. Delforge P.G.
Senior Hydrogeologist/Project Manager

RIGHT OF ENTRY AND INDEMNITY AGREEMENT

AGREEMENT made this 26 day of August 2021 by and between Sara Lindner ("Property Owner") and REI Engineering, Inc. (REI), as agent for Ken Juza (Responsible Party for V&L Stripping) as follows:

WHEREAS, The Wisconsin Department of Natural Resources (WDNR) has requested that Ken Juza ("Client"), investigate chlorinated solvent contamination by collecting sub-slab vapor samples on the property located at 714 Lincoln Street (the "Property"); and

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Sara Lindner
714 Lincoln Street
Green Bay, WI 54303
By_____
Title_____

REI Engineering, Inc.
By_____
Title Project Manager

PUB-RR-953
Feb 2014

Wisconsin DNR vapor intrusion quick facts

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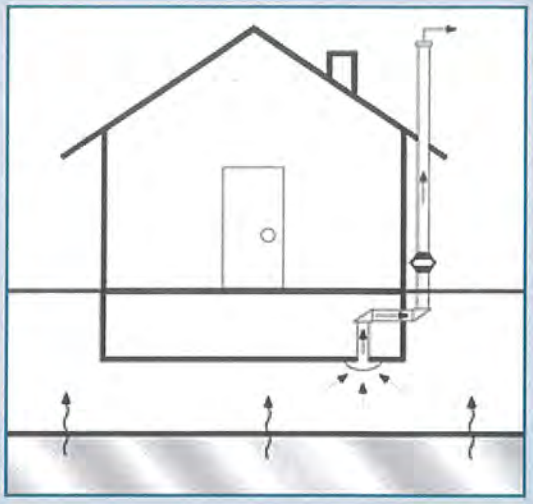

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REI
CIVIL & ENVIRONMENTAL
ENGINEERING, SURVEYING

August 26, 2021

James Keehan
3769 Farmstead Road
Green Bay, WI 54311

Subject:

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Former V&L Stripping
864 Mather Street
Green Bay, WI 54303

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By taking action now to address potential chemical vapor intrusion in your home, you may avoid possible health and property liability issues in the future.

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REI Engineering, Inc.

Andrew R. Delforge P.G.
Senior Hydrogeologist/Project Manager

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WHEREAS, the proposed groundwater monitoring well is located on property owned by James Keehan.

NOT THEREFORE, in consideration of the mutual promises contained herein, the parties agree as follows:

1. Property Owner agrees to allow REI, its agents, employees and assigns access to the Property to collect a sub-slab vapor sample and all activities required in collection therewith.

2. REI agrees to indemnify and hold harmless Property Owner against all claims, losses, damages, or expenses arising out of REI negligence in its performance of environmental site investigation activities and all activities required in connection therewith of the property.

3. In consideration of Property Owner granting REI this right of entry, REI agrees to reasonable restore the Property to its condition immediately prior to REI's entry if any damage has resulted from REI's entry.

IN WITNESS WHEREOF, the parties have executed this agreement the day and year first above written.

James Keehan
3769 Farmstead Road
Green Bay, WI 54311
By_____
Title_____

REI Engineering, Inc.
By_____
Title Project Manager

PUB-RR-953
Feb 2014

Wisconsin DNR vapor intrusion quick facts

Why Test for Vapor Intrusion?

Vapor intrusion is likely an unfamiliar term to you, and hearing that your property should be tested for possible chemical vapor intrusion may cause you some concern. That is understandable, and this information sheet is designed to answer basic questions many people have. Please refer to DNR PUB-RR-892, "What is Vapor Intrusion?" for a summary discussion of the term "vapor intrusion."

Most cases of vapor intrusion will pose no immediate threat to your health and safety. However, when other neighborhood properties are contaminated, it is wise to get your home or building tested to determine if there is any cause for concern. If potentially harmful chemical vapors are detected inside your home or building, the Department of Natural Resources (DNR), working in collaboration with other health and environmental professionals, will help you come up with a solution to protect you and your family.

Please consider the following factors when deciding whether to allow access for sampling:

Peace of mind

If there's a chance that chemical vapor or soil gas is seeping into your home or business, testing can determine whether it really is and to what extent. If testing reveals a problem, then steps can be taken to resolve it, making the indoor air you breathe safer for you and your family. Like radon gas, vapors from nearby soil or groundwater contamination can be diverted from beneath your home or office building and safely expelled into the outdoors, thus improving air quality inside your home or building.

The goal of sampling a residence or business is to eliminate as many of the unknowns as possible and safely address any concerns.

Who pays for testing?

You didn't cause this problem, so you don't have to pay for testing just as long as you allow reasonable and timely access to have testing done. The cost of sampling at potentially impacted residences or workplaces, like yours, is covered by the responsible party (the person or business legally obligated to investigate and clean up the contamination). In some cases, it's paid for directly by DNR, the Department of Health Services (DHS), or some other agency. Vapor sampling will be performed by a professional, and samples will be sent to a specialized lab for analysis.

Trained professionals and experts oversee the process

Multiple state and local agencies often work together to determine if vapor intrusion is a potential health risk in an area. The DNR, DHS, local health officials, the responsible party and environmental consultants are working together to ensure that quality samples are taken and that all results are given extensive review. It is important to gather the information in order to adequately understand if or where there may be a risk of vapor intrusion in your neighborhood.

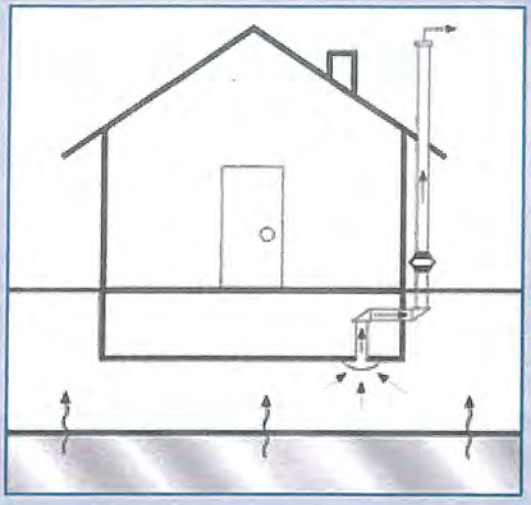
Wisconsin Department of Natural Resources
P.O. Box 7921, Madison, WI 53707
dnr.wi.gov, search "Brownfields"

A simple, cost effective solution exists

If vapor intrusion is a problem in a house or building, it can generally be solved by installing a vapor mitigation system. These sub-slab depressurizing systems are similar to those used to eliminate radon gas underneath homes, and have been used for years in a safe and effective manner. If the source of the vapor is tied to a responsible party, they will often pay to have a system installed at your home. The annual upkeep and operation of a typical system is generally less than $100 per year, mostly for electricity. These annual costs are typically the responsibility of the homeowner.

How will I know if the vapors have been eliminated?

After a vapor mitigation system is installed, follow-up testing of indoor air typically takes place three to six months later. The systems are usually considered permanent fixtures of the building. In cases where the source of the vapor is completely eliminated, the systems should no longer be needed.



If potentially harmful chemical vapor intrusion is detected in a home or business, the most common solution is to install a sub-slab depressurization system. This system captures and redirects soil vapors from below the building foundation before they enter the indoor air. Vapors are vented outside of the building where they disperse into the air and are rendered harmless.

Sub-slab depressurization systems also prevent radon from entering homes, which is an added health benefit in radon-prone areas.

Where can I find more information?

Health and vapor-related information can be found at the Wisconsin Department of Health Services (DHS) website at dhs.wisconsin.gov , search "Vapor." For other health-related questions, please contact your local health department: www.dhs.wisconsin.gov/localhealth.

For more DNR information, please visit the DNR's Remediation and Redevelopment (RR) Program's Vapor Intrusion page at dnr.wi.gov/topic/Brownfields/Vapor.html.

Additional information can be obtained through the DNR field office in your region. To find the correct office, visit the RR Program Staff Contacts page at dnr.wi.gov/topic/Brownfields/Contact.html or call the RR Program at (608) 266-2111.