November 22, 2021
File No. 25220211.01

Mr. Jeff Ackerman
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, WI 53711-5367

Subject: Groundwater Monitoring and Soil Vapor Extraction Pilot Test Results
Former Highway Cleaners
1509 Elm Street, Boscobel, Wisconsin
BRRTS #02-22-543001

Dear Mr. Ackerman:

SCS Engineers (SCS) is pleased to provide updated results from our recent activities at the subject site (**Figure 1**), which included a round of groundwater monitoring, and installation and completion of a soil vapor extraction (SVE) pilot test. The groundwater testing was completed on March 31, 2021, and April 1, 2021, and the pilot test was performed on May 3, 2021. The purpose of the work was to update the groundwater results that had not been sampled since 2018, to gather design information, and to determine the potential effectiveness of SVE treatment of soil contaminated by dry cleaning solvent.

Groundwater results were mostly consistent with the previously identified trends, but three wells bear further discussion. Based on the pilot test results, SCS proposes the installation and operation of a full-scale SVE system to address the onsite source material. Additional information regarding the groundwater results and the SVE pilot test is provided below.

WORK PLAN

The scope was performed substantially consistent with the March 16, 2021, Soil Vapor Extraction System Pilot Test Work Plan, approved by Jeff Ackerman by email on April 16, 2021. A notable exception to our work from the approved Work Plan was that the SVE pilot test ran for approximately 3 hours and 50 minutes instead of the 4-hours as planned in the Work Plan. The decreased run time was due to an electrical power failure. We were utilizing an exterior outlet for the building, and a breaker tripped and stopped the available power supply. We did not have an alternative supply available in a timely manner that would have maintained the test integrity. Samples of the exhaust gas from the pilot test blower were obtained at 15 minutes, 1 hour, and 2 hours after the startup of the test. An exhaust gas sample was not obtained after 4 hours after the start of the pilot test as included in the Work Plan as the blower was no longer operating due to the power failure.

GROUNDWATER TESTING

As described in the Work Plan, on March 31 and April 1, 2021, Mr. Adam Watson of SCS gauged the water levels and sampled 15 of the 16 wells, with the exception of MW7, which could not be located (**Figure 2**). Groundwater results are summarized in **Table 1** and the laboratory analytical results are

found in **Attachment A.** Groundwater levels are summarized in **Table 2** and used to produce the water table map with approximate groundwater flow direction in **Figure 3**, and a potentiometric surface map, **Figure 4.** Two of the wells (MW8 and MW12) were gauged and sampled on April 1, and the rest were gauged on March 31. PZ-4 was gauged on March 31 and sampled on April 1 due to slow recharge.

Groundwater flow direction was observed to the west-northwest from water levels measured on March 31 and April 1, 2021, **Figure 4.** A potentiometric map was also created (**Figure 5**), using depth to water measurements from the four piezometers measured on March 31, 2021, showing a similar flow direction, generally to the west-northwest.

Laboratory results from six of the 15 groundwater samples (MW-1, MW-3, MW-4, MW-8, MW-12, and PZ-10) exceeded the NR 140 enforcement standard (ES) and only 1 (MW-6) exceeded the NR 140 Preventative Action Limit (PAL). There were five samples (MW-2, MW-5, MW-9, MW-10, and MW-11) that had results at or slightly above the limit of detection (LOD), and the remaining three samples (PZ-1, PZ-4, and PZ-11) had no detections. A list of these results are presented with the historical data in **Table 1.** All exceedances and detections are for Tetrachloroethene (PCE) with the exception of one sample, MW-5, that also had a detection of 1,1,1, trichloroethane but is well below the NR 140 PAL. An isoconcentration map of the impacted shallow groundwater is included as **Figure 5.**

In general, the sample results are within historically observed ranges for each sampling point and show a stable to decreasing trend with the exception of three monitoring wells (MW-8, MW-12, and PZ-10). Concentration vs. Time plots for these three wells are included in **Table 3**.

- **MW-8** is located at the far southern extent of the investigated area, side to upgradient of the former dry cleaners, and has not shown detections of PCE prior to the 2021 sampling event. The most recent result showed a concentration greater than the ES and a historical high concentration.

- **MW-12** is located at the northwest edge of the investigation area and is the furthest downgradient well. MW-12 has shown detections every time it has been sampled, with low but steadily rising concentrations. The most recent result showed a concentration greater than the ES and a historical high concentration.

- **PZ-10** is located along the northern edge of the investigation area near the edge of the delineated impact area at the water table. PZ-10 has shown detections of PCE in each of the five sampling events over nearly 6 years, with low but steadily increasing concentrations. The most recent result showed a concentration greater than the ES and a historical high concentration.

PILOT TEST SETUP

As described in the Work Plan, the pilot test included the installation of three wells designed to collect vapors from the unsaturated materials above the water table near the previously defined source area, specifically at the southern end of the site-building. Once the wells were installed, a vacuum was placed on one of the wells, and the effects of that vacuum were measured at the other wells. A series of vapor samples were collected to determine the effectiveness of capturing the chlorinated chemicals in the effluent and the discharge concentrations.

SVE Well Construction

Three 2-inch-diameter polyvinyl chloride (PVC) SVE wells were installed on April 20, 2021 (SVE-1 through SVE-3). The wells were installed by Soil Essentials, LLC of Rockford, Illinois, using a direct push drilling rig equipped with hollow-stem augers. Boring logs and well construction forms for the wells are included in **Attachment B**, and well locations are shown on **Figure 6**.

The SVE wells were constructed to a depth of 32 feet below ground surface using 27-foot-long PVC well screens. The wells were set in flush-mount steel protective casings with locking well plugs.

Vacuum Observation Points

For the pilot test, SVE wells SVE-1 and SVE-3, and groundwater monitoring well MW-2 were temporarily fitted with PVC slip caps equipped with a brass barb fitting for vacuum measurements.

SVE Blower and Instrumentation

A Rotron positive displacement blower and manifold were fitted to well SVE-2. The 2-inch-diameter PVC manifold piping included an in-line flow meter and ports for photoionization detector (PID), flow meter, and vacuum measurements. Photographs of the SVE well installation and pilot test setup are included in **Attachment C**.

Vacuum measurements were collected from the SVE wells and monitoring well MW-2 prior to starting up the blower at SVE-2. The measurements were made using a digital manometer. The pilot test measurements were recorded on field sheets included in **Attachment D**.

SVE PILOT TEST

The blower at SVE-2 was started up at 10:40 a.m. on May 3, 2021. Vacuum, PID, and flowrate measurements at the blower and monitoring points were made immediately after blower startup and at approximately 1-hour intervals during the pilot test.

Samples of the blower exhaust were obtained using laboratory-supplied 1-liter Summa canisters equipped with 5-minute flow controllers. The samples were collected at approximately 15 minutes, 1 hour, and 2 hours after startup. The Summa canisters were submitted to Pace Analytical Services, LLC of Minneapolis, Minnesota, for analysis of volatile organic compounds (VOCs) via method TO-15. At 2:30 p.m. on May 3, 2021, the SVE blower shut off after 3 hours and 50 minutes of operation due to a loss of electrical power as described above.

RESULTS

Vacuum and Flow Rate

During the SVE pilot test, the vacuum at the blower varied from approximately -10.2 to -9.3 inches of water, while the in-line flowmeter upstream of the blower varied from 9.0 to 8.0 cubic feet per minute (cfm).

Vacuum readings at well SVE-1 ranged from 1.45 to 2.01 inches of water, readings at well SVE-3 ranged from 1.13 to 1.68 inches of water, and readings at monitoring well MW-2 ranged from 0.45 to 1.06 inches of water. Well SVE-1 is approximately 25 feet from the blower well (SVE-2), well SVE-3 is approximately 25 feet from the blower well, and monitoring well MW-2 is approximately 85 feet from the blower well. Based on pilot test vacuum measurements the SVE-2 radius of influence is approximately 1.0 inch of water vacuum at a distance of approximately 85 feet. The estimated radius of effective influence from our pilot test is shown on **Figure 6**.

PID Reading and Blower Exhaust Sample Results

Laboratory results for blower exhaust samples are included in **Attachment E**. PCE (i.e., dry cleaning solvent) was detected at a concentration of 22,400 ug/m^3 in the sample taken at 15 minutes after the start of the SVE Pilot Test, 26,900 ug/m^3 in the 1-hour sample, and 9,720 ug/m^3 in the 2 hour sample. Other VOCs were present in the samples, but at lower concentrations than PCE.

A summary of blower exhaust concentrations is provided below:

Sample ID/Time	PCE (ug/m^3)	PID (PPM)
15-min	22,400	6.7
1-hour	26,900	606
2-hour	9,720	6.2

Estimated PCE Removal

Based on the SVE pilot test results, the maximum SVE-2 PCE discharge rate was approximately 0.0009 pounds per hour (lb/hr) or 7.5 pounds per year (lb/yr). Discharge calculations are included in **Attachment F**.

Assuming similar rates of PCE removal for wells SVE-1 and SVE-3, and the design of a full-scale system using all three wells, the PCE discharge rate would be approximately 0.0027 lb/hr or 22.5 lb/yr, which does not exceed the Wisconsin Administrative Code, Chapter NR 445 allowable discharge permit threshold for PCE of 9.11 lb/hr or 301 lb/yr. Therefore, an air discharge permit would likely not be required for a full-scale system pulling from the three existing SVE wells at similar flow rates. Note, this is a conservative estimate and is only used for determining if a discharge permit is required. This estimate assumes that the airflow rate and discharge rate of PCE remains constant. Previous experience with SVE systems shows that the concentration of contaminants in the discharge air of an SVE system decreases as the system operates, contaminants are removed, and the concentration in the soil decreases. The actual rate of PCE removal from a full-scale SVE system is expected to be less than 22.5 lb/yr.

A smaller scaled, temporary system focused on the SVE-2 well, nearest the highest observed PCE soil concentrations, would likely remove at a lower rate than shown above, and would also discharge significantly less than the likely allowable discharge permit threshold for PCE. We would anticipate the rate of PCE removal from a one-point SVE system to be less than 7.5 lb/yr.

INVESTIGATION-DERIVED WASTE

Six 55-gallon drums of soil cuttings were generated during SVE well construction and are temporarily stored behind the building. SCS is in the process of coordinating the disposal of the drums.

Purged groundwater was temporarily stored in a mobile tank, and transported to the Richland Center wastewater treatment plant for disposal. A total of approximately 150 gallons were disposed of, no receipt was given for the disposal from Waste Water Treatment Plant.

SUMMARY AND RECOMMENDATIONS

A release of dry cleaning solvent at the Former Highway Cleaners site has contaminated soil, groundwater, and sub-slab vapor at concentrations in excess of regulatory standards. An SVE pilot test was performed to acquire design details and determine the feasibility of SVE cleanup.

The SVE pilot test results show that a full-scale SVE system is feasible and may remove up to approximately 7.5 lb/yr of PCE from the soil, but estimated recovery from a full-scale system is likely significantly less due to concentration reduction over time. Extraction of PCE from the underlying soil should reduce the contaminant mass of PCE in the subsurface and reduce the potential for migration from soil to groundwater. It would also likely reduce the potential for vapor intrusion into the overlying building.

Based on the pilot test findings and likely reduction in contaminant mass, SCS recommends installation and operation of a short-term SVE system using well SVE-2 to extract vapor from the subsurface. It is anticipated that the temporary SVE system would be operated for 2-3 months. It is assumed that the concentration of PCE in the extracted gas would decrease quickly once the initial flush of soil gas is removed from the subsurface, making additional operation of the SVE system unproductive. The exact duration of the SVE system operation would be determined by the analysis of a sampling of the extracted soil gas. When the concentration of PCE in the exhaust gas falls below the laboratory detection limit, the system would be shut off. A separate Design Report will be submitted to the Wisconsin Department of Natural Resources with details of the temporary SVE system.

In addition, due to the rising concentrations in groundwater at three locations, we recommend that additional groundwater testing of at least those wells be incorporated into the remediation plan for the site.

Please contact Tony Kollasch at 608-216-7381 if you have any questions concerning this letter.

Sincerely,

Tony Kollasch
Project Manager
SCS Engineers

Keith Gilkey, PE
Senior Design Engineer
SCS Engineers

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Encl. Table 1 – Groundwater Analytical Results – VOCs
Table 2 – Water Level Summary

Figure 1 – Site Location Map
Figure 2 – Site Plan
Figure 3 – Water Table Map, March 31, 2021
Figure 4 – Potentiometric Surface Map, March 31, 2021
Figure 5 – PCE Isoconcentration Map
Figure 6 – Estimated SVE System Radius of Influence

PCE Concentration over Time Charts (MW8, MW12, PZ10)

Attachment A – Groundwater Laboratory Analytical Reports
Attachment B – Boring Logs and Well Construction Forms
Attachment C – Pilot Test Photographs
Attachment D – Field Sheets
Attachment E – Blower Exhaust Analytical Results
Attachment F -- Discharge Calculations

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Tables

Table 1. Groundwater Analytical Results Summary
Former Highway Cleaners - Boscobel, WI / SCS Engineers Project #25220211.01
(Results are in µg/L)

Sample	Date	PCE	TCE	VC	cis-1,2-DCE	trans-1,2-DCE	Other VOCs
MW-1	10/19/05	**25**	<0.20	<0.20	<0.50	<0.50	Not Detected
	1/25/06	**18**	<0.20	<0.20	<0.50	<0.50	Not Detected
	10/3/07	**23**	<0.48	<0.18	<0.83	<0.89	Not Detected
	4/2/08	**39.2**	<0.48	<0.18	<0.83	<0.89	Not Detected
	11/22/14	*4.2*	<0.33	<0.18	<0.26	<0.26	Not Detected
	7/26/15	**13.6**	<0.33	<0.18	<0.26	<0.26	Not Detected
	11/4/15	**23.7**	<0.33	<0.18	<0.26	<0.26	Not Detected
	1/27/18	**8**	<0.33	<0.18	<0.26	<0.26	Not Detected
	4/28/18	**24.8**	<0.33	<0.18	<0.26	<0.26	Not Detected
	3/31/21	*3.1*	<0.26	<0.17	<0.27	<0.46	Not Detected
MW-2	10/19/05	**10**	<0.20	<0.20	<0.50	<0.50	Not Detected
	1/25/06	**15**	<0.20	<0.20	<0.50	<0.50	Not Detected
	10/3/07	**9.8**	<0.48	<0.18	<0.83	<0.89	Not Detected
	4/2/08	**27.3**	<0.48	<0.18	<0.83	<0.89	Not Detected
	11/22/14	*2.9*	<0.33	<0.18	<0.26	<0.26	Not Detected
	7/26/15	<0.50	<0.33	<0.18	<0.26	<0.26	Not Detected
	11/4/15	*1.8*	<0.33	<0.18	<0.26	<0.26	Not Detected
	1/27/18	*0.58* J	<0.33	<0.18	<0.26	<0.26	Not Detected
	4/28/18	*2.9*	<0.33	<0.18	<0.26	<0.26	Not Detected
	3/31/21	<0.33	<0.26	<0.17	<0.27	<0.46	Not Detected

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Sample	Date	PCE	TCE	VC	cis-1,2-DCE	trans-1,2-DCE	Other VOCs
MW-3	10/19/05	**13**	<0.20	<0.20	<0.50	<0.50	Not Detected
	1/25/06	**5.8**	<0.20	<0.20	<0.50	<0.50	Not Detected
	10/3/07	**77**	*1.2*	<0.18	1.6	<0.89	Not Detected
	4/2/08	**82.6**	*1.2*	<0.18	1.5	<0.89	Not Detected
	11/22/14	**55.2**	*0.53*	<0.18	<0.26	<0.26	Not Detected
	7/26/15	**8.4**	<0.33	<0.18	<0.26	<0.26	Not Detected
	11/4/15	*2.8*	<0.33	<0.18	<0.26	<0.26	Not Detected
	1/27/18	**44.2**	<0.33	<0.18	<0.26	<0.26	Not Detected
	4/28/18	**10.5**	<0.33	<0.18	<0.26	<0.26	Not Detected
	3/31/21	**22.1**	<0.26	<0.17	<0.27	<0.46	Not Detected
MW-4	10/19/05	**210**	*1.9*	<1.0	3.4	<2.5	Not Detected
	1/25/06	**34**	0.39	<0.20	0.89	<0.50	Not Detected
	10/3/07	**110**	*2*	<0.18	4.1	<0.89	Not Detected
	4/2/08	**236**	*4.4*	<0.18	*7.6*	<0.89	Not Detected
	11/22/14	**45.2**	0.43	<0.18	<0.26	<0.26	Not Detected
	7/26/15	**66.4**	0.48 J	<0.18	<0.26	<0.26	Not Detected
	11/4/15	**277**	*1.6*	<0.18	<0.26	<0.26	Not Detected
	1/27/18	**174**	*1.1*	<0.18	0.51 J	<0.26	Not Detected
	4/28/18	**108**	*0.57* J	<0.18	0.33 J	<0.26	Not Detected
	3/31/21	**23.3**	<0.26	<0.17	<0.27	<0.46	Not Detected

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(Results are in µg/L)

Sample	Date	PCE	TCE	VC	cis-1,2-DCE	trans-1,2-DCE	Other VOCs
MW-5	10/3/07	**6.2**	<0.48	<0.18	<0.83	<0.89	Not Detected
	4/2/08	0.66	<0.48	<0.18	<0.83	<0.89	Not Detected
	11/22/14	0.96	<0.33	<0.18	<0.26	<0.26	Not Detected
	7/26/15	3.6	<0.33	<0.18	<0.26	<0.26	Not Detected
	11/4/15	<0.50	<0.33	<0.18	<0.26	<0.26	Not Detected
	1/27/18	<0.50	<0.33	<0.18	<0.26	<0.26	Not Detected
	3/31/21	0.37 J	<0.26	<0.17	<0.27	<0.46	1,1,1-Trichloroethane 11.9
MW-6	10/3/07	**51**	<0.48	<0.18	<0.83	<0.89	Not Detected
	4/2/08	**24.1**	<0.48	<0.18	<0.83	<0.89	Not Detected
	11/22/14	**44.5**	<0.33	<0.18	<0.26	<0.26	Not Detected
	7/26/15	**18.8**	<0.33	<0.18	<0.26	<0.26	Not Detected
	11/4/15	**20.3**	<0.33	<0.18	<0.26	<0.26	Not Detected
	1/27/18	**20.9**	<0.33	<0.18	<0.26	<0.26	Not Detected
	4/28/18	**13.7**	<0.33	<0.18	<0.26	<0.26	Not Detected
	3/31/21	3.5	<.26	<0.17	<0.27	<0.46	Not Detected

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Sample	Date	PCE	TCE	VC	cis-1,2-DCE	trans-1,2-DCE	Other VOCs
MW-7	7/26/15	<0.50	<0.33	<0.18	<0.26	<0.26	Not Detected
	11/4/15	<0.50	<0.33	<0.18	<0.26	<0.26	Not Detected
	1/27/18	<0.50	<0.33	<0.18	<0.26	<0.26	Not Detected
	4/28/18	<0.50	<0.33	<0.18	<0.26	<0.26	Not Detected
MW-8	7/26/15	<0.50	<0.33	<0.18	<0.26	<0.26	Not Detected
	11/4/15	<0.50	<0.33	<0.18	<0.26	<0.26	Not Detected
	1/27/18	<0.50	<0.33	<0.18	<0.26	<0.26	Not Detected
	4/28/18	<0.50	<0.33	<0.18	<0.26	<0.26	Not Detected
	3/31/21	**6.6**	<0.26	<0.17	<0.27	<0.46	Not Detected
MW-9	7/26/15	3.3	<0.33	<0.18	<0.26	<0.26	Not Detected
	11/4/15	3	<0.33	<0.18	<0.26	<0.26	Not Detected
	1/27/18	**6.6**	<0.33	<0.18	<0.26	<0.26	Not Detected
	4/28/18	**12.7**	<0.33	<0.18	<0.26	<0.26	Not Detected
	3/31/21	0.49 J	<0.26	<0.17	<0.27	<0.46	Not Detected
MW-10	7/26/15	**24.3**	<0.33	<0.18	<0.26	<0.26	Not Detected
	11/4/15	**18.4**	<0.33	<0.18	<0.26	<0.26	Not Detected
	1/27/18	**52.7**	<0.33	<0.18	<0.26	<0.26	Not Detected
	4/28/18	**18.7**	<0.33	<0.18	<0.26	<0.26	Not Detected
	3/31/21	<0.33	<0.26	<0.17	<0.27	<0.46	Not Detected

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(Results are in µg/L)

Sample	Date	PCE	TCE	VC	cis-1,2-DCE	trans-1,2-DCE	Other VOCs
MW-11	7/26/15	2.6	<0.33	<0.18	<0.26	<0.26	Not Detected
	11/4/15	4.7	<0.33	<0.18	<0.26	<0.26	Not Detected
	1/27/18	0.52 J	<0.33	<0.18	<0.26	<0.26	Not Detected
	4/28/18	<0.50	<0.33	<0.18	<0.26	<0.26	Not Detected
	3/31/21	0.35 J	<0.26	<0.17	<0.27	<0.46	Not Detected
MW-12	1/27/18	3.9	<0.33	<0.18	<0.26	<0.26	Not Detected
	4/27/18	4.2	<0.33	<0.18	<0.26	<0.26	Not Detected
	3/31/21	**9.9**	<0.26	<0.17	<0.27	<0.46	Not Detected
PZ-1	10/19/05	<0.50	<0.20	<0.20	<0.50	<0.50	Not Detected
	1/25/06	<0.50	<0.20	<0.20	<0.50	<0.50	Not Detected
	10/3/07	<0.45	<0.48	<0.18	<0.83	<0.89	Not Detected
	4/2/08	<0.45	<0.48	<0.18	<0.83	<0.89	Not Detected
	11/22/14	<0.50	<0.33	<0.18	<0.26	<0.26	Not Detected
	7/26/15	<0.50	<0.33	<0.18	<0.26	<0.26	Not Detected
	11/4/15	<0.50	<0.33	<0.18	<0.26	<0.26	Not Detected
	1/27/18	<0.50	<0.33	<0.18	<0.26	<0.26	Not Detected
	4/28/18	<0.50	<0.33	<0.18	<0.26	<0.26	Not Detected
	3/31/21	<0.33	<0.26	<0.17	<0.27	<0.46	Not Detected

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(Results are in µg/L)

Sample	Date	PCE	TCE	VC	cis-1,2-DCE	trans-1,2-DCE	Other VOCs
PZ-4	10/3/07	NA	NA	NA	NA	NA	NA
	4/2/08	<0.45	<0.48	<0.18	<0.83	<0.89	Not Detected
	11/22/14	<0.50	<0.33	<0.18	<0.26	<0.26	Not Detected
	7/26/15	<0.50	<0.33	<0.18	<0.26	<0.26	Not Detected
	11/4/15	<0.50	<0.33	<0.18	<0.26	<0.26	Not Detected
	1/27/18	*0.8* J	<0.33	<0.18	<0.26	<0.26	Not Detected
	4/28/18	<0.50	<0.33	<0.18	<0.26	<0.26	Not Detected
	3/31/21	<0.33	<0.26	<0.17	<0.27	<0.46	Not Detected
PZ-10	7/26/15	*2.5*	<0.33	<0.18	<0.26	<0.26	Not Detected
	11/4/15	*0.51* J	<0.33	<0.18	<0.26	<0.26	Not Detected
	1/27/18	*3.2*	<0.33	<0.18	<0.26	<0.26	Not Detected
	4/28/18	*4.3*	<0.33	<0.18	<0.26	<0.26	Not Detected
	3/31/21	**15**	<0.26	*0.17*	<0.27	<0.46	Not Detected
PZ-11	7/26/15	*0.84* J	<0.33	<0.18	<0.26	<0.26	Not Detected
	11/4/15	<0.50	<0.33	<0.18	<0.26	<0.26	Not Detected
	1/27/18	<0.50	<0.33	<0.18	<0.26	<0.26	Not Detected
	4/28/18	<0.50	<0.33	<0.18	<0.26	<0.26	Not Detected
	3/31/21	<0.33	<0.26	<0.17	<0.27	<0.46	Not Detected

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Former Highway Cleaners - Boscobel, WI / SCS Engineers Project #25220211.01
(Results are in µg/L)

Sample	Date	PCE	TCE	VC	cis-1,2-DCE	trans-1,2-DCE	Other VOCs	
NR 140 Enforcement Standards (ESs)		5	5	0.2	70	100	1,1,1-Trichloroethane	200
NR 140 Preventive Action Limits (PALs)		0.5	0.5	0.02	7	20	1,1,1-Trichloroethane	40

Abbreviations:
µg/L = micrograms per liter or parts per billion (ppb)
VC = Vinyl Chloride
NA = Not Analyzed
DCE = Dichloroethene
TCE = Trichloroethene
ND = Not Detected
PCE = Tetrachloroethene
VOCs = Volatile Organic Compounds
-- = Not Applicable

Notes:
* Sample could not be analyzed because of high sediment levels
NR 140 ESs - Wisconsin Administrative Code (WAC), Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards from February 2021.
NR 140 PALs - WAC, Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards from February 2021.
Bold+underlined values meet or exceed NR 140 ESs.
Italic+underlined values meet or exceed NR 140 PALs.

Laboratory Notes/Qualifiers:
J = Compound present above the limit of detection, below limit of quantitation

Created by:	TJK	Date:	5/20/2021
Last revision by:	TJK	Date:	5/20/2021
Checked by:	ACW	Date:	6/3/2021
Proj Mgr QA/QC:	TJK	Date:	8/5/2021

I:\25220211.00\Deliverables\August 2021 Update\Tables\[Table 1_GW_Table_VOCs.xlsx]Drycleaner

Table 2. Water Level Summary
Former Highway Cleaners - Boscobel, WI / SCS Engineers Project #25220211.01

	Depth to Water in feet below top of well casing															
Raw Data	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**MW-6**	**MW-7**	**MW-8**	**MW-9**	**MW-10**	**MW-11**	**MW12**	**PZ-1**	**PZ-4**	**PZ-10**	**PZ-11**
Measurement Date																
October 19, 2005	30.34	30.7	31.21	31.49	--	--	--	--	--	--	--	--	30.41	--	--	--
January 25, 2006	30.52	30.92	31.39	31.63	--	--	--	--	--	--	--	--	30.61	--	--	--
October 3, 2007	28.31	28.69	29.26	29.56	29.17	28.47	--	--	--	--	--	--	28.43	--	--	--
April 2, 2008	28.53	28.92	29.45	29.74	29.38	28.62	--	--	--	--	--	--	28.64	29.40	--	--
November 22, 2014	28.56	28.91	29.51	29.82	29.45	28.71	--	--	--	--	--	--	28.63	29.50	--	--
July 26, 2015	29.48	29.84	30.35	30.64	30.28	29.54	32.42	31.79	30.6	31.89	33.34	--	29.56	30.00	32.14	33.31
November 4, 2015	29.95	30.31	30.83	31.18	30.74	30.04	32.9	32.29	31.07	32.37	33.87	--	30.04	30.31	32.65	33.78
January 27, 2018	28.05	28.42	28.98	29.31	28.92	28.20	31.07	30.29	29.3	30.82	32.11	36.37	28.13	29.30	30.81	32.02
April 28, 2018	28.60	28.98	29.52	29.84	NM	28.70	31.55	30.9	29.8	31.05	32.52	36.75	28.70	29.51	31.31	32.44
March 31, 2021	28.27	28.64	29.20	29.52	29.15	28.41	NM	30.57	29.54	30.8	32.34	36.58	28.39	27.89	31.09	32.26

	Ground Water Elevation in feet above mean sea level (amsl)															
Well Number	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**MW-6**	**MW-7**	**MW-8**	**MW-9**	**MW-10**	**MW-11**	**MW12**	**PZ-1**	**PZ-4**	**PZ-10**	**PZ-11**
Top of Casing Elevation (feet amsl)	684.49	685.02	685.26	685.33	685.28	684.18	686.36	686.93	685.57	685.6	686.82	690.82	684.59	685.01	685.87	686.71
Screen Length (ft)	15.00	15.00	15.00	15.00	15.00	15.00	15	15	15	15	15	15	5.00	5.00	5	5
Total Depth (ft from top of casing)	38.41	38.45	39.45	39.42	39.85	39.51	38.77	38.1	37.45	37.8	38.4	45	58.70	59.80	58.35	50.4
Top of Well Screen Elevation (ft)	661.08	661.57	660.81	660.91	660.43	659.67	662.59	663.83	663.12	662.80	663.42	660.82	630.89	630.21	632.52	641.31
Measurement Date																
October 19, 2005	654.15	654.32	654.05	653.84	--	--	--	--	--	--	--	--	654.18	--	--	--
January 25, 2006	653.97	654.10	653.87	653.70	--	--	--	--	--	--	--	--	653.98	--	--	--
October 3, 2007	656.18	656.33	656.00	655.77	656.11	655.71	--	--	--	--	--	--	656.16	--	--	--
April 2, 2008	655.96	656.10	655.81	655.59	655.90	655.56	--	--	--	--	--	--	655.95	655.61	--	--
November 22, 2014	655.93	656.11	655.75	655.51	655.83	655.47	--	--	--	--	--	--	655.96	655.51	--	--
July 26, 2015	655.01	655.18	654.91	654.69	655.00	654.64	653.94	655.14	654.97	653.71	653.48	--	655.03	655.01	653.73	653.40
November 4, 2015	654.54	654.71	654.43	654.15	654.54	654.14	653.46	654.64	654.50	653.23	652.95	--	654.55	654.70	653.22	652.93
January 27, 2018	656.44	656.60	656.28	656.02	656.36	655.98	655.29	656.64	656.27	654.78	654.71	654.45	656.46	655.71	655.06	654.69
April 28, 2018	655.89	656.04	655.74	655.49	--	655.48	654.81	656.03	655.77	654.55	654.30	654.07	655.89	655.50	654.56	654.27
March 31, 2021	656.22	656.38	656.06	655.81	656.13	655.77	--	656.36	656.03	654.80	654.48	654.24	656.20	657.12	654.78	654.45
Bottom of Well Elevation (ft)	646.08	646.57	645.81	645.91	645.43	644.67	647.59	648.83	648.12	647.80	648.42	645.82	625.89	625.21	627.52	636.31

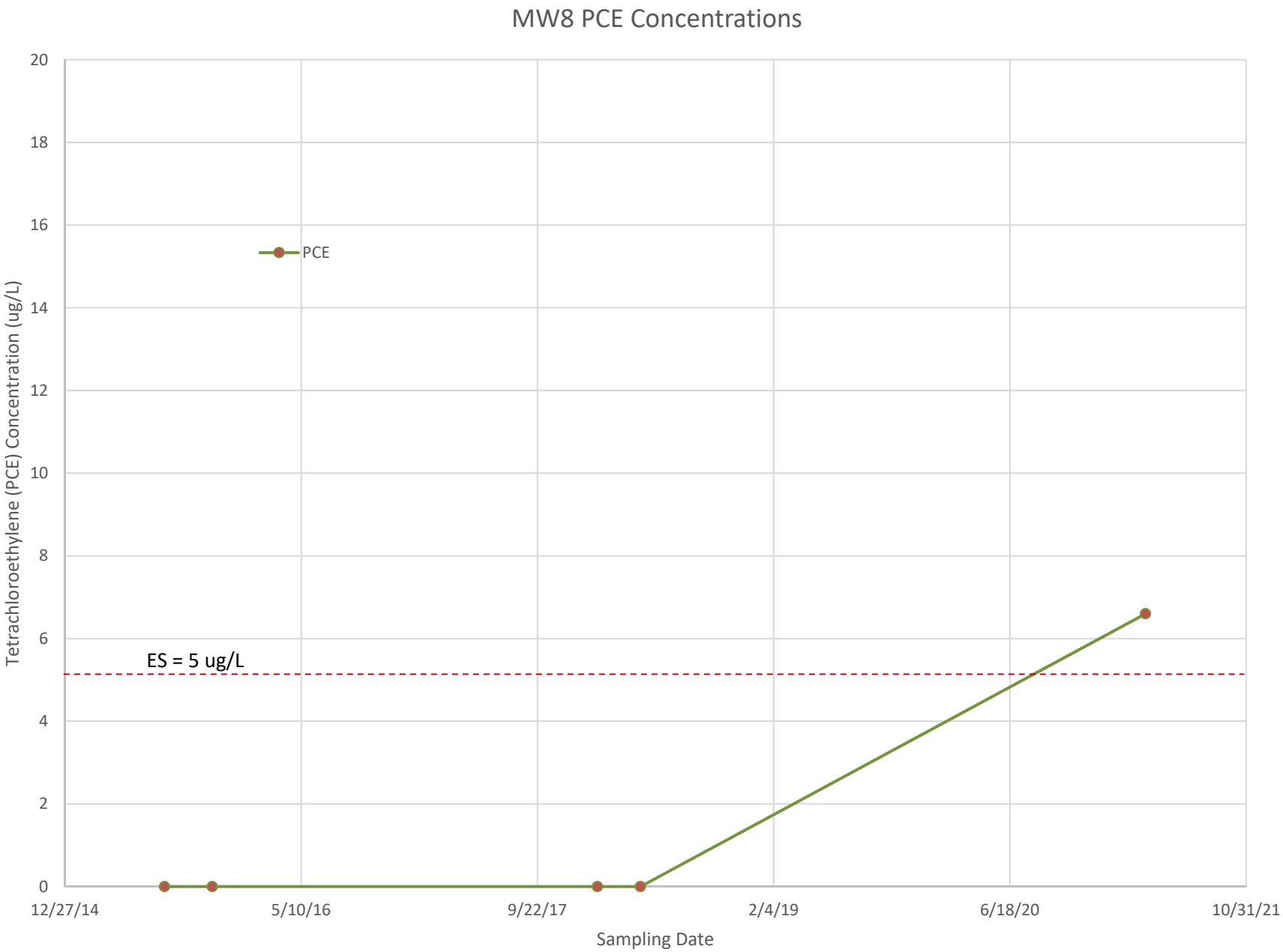
Notes:
NM = not measured

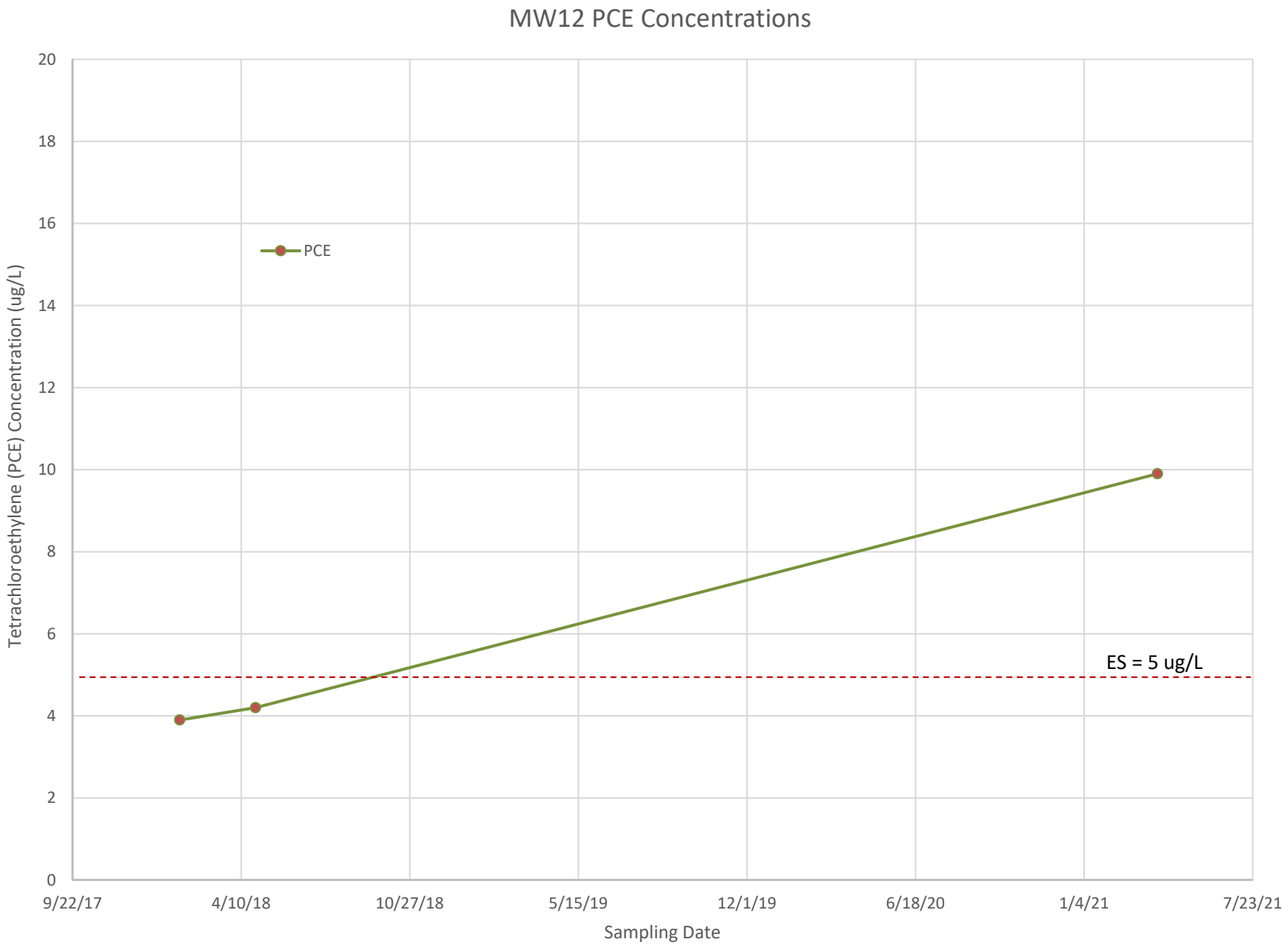
Created by:	TJK	Date:	5/20/2021
Last revision by:	TJK	Date:	5/20/2021
Checked by:	ACW	Date:	6/3/2021
Proj Mgr QA/QC:	TJK	Date:	8/5/2021

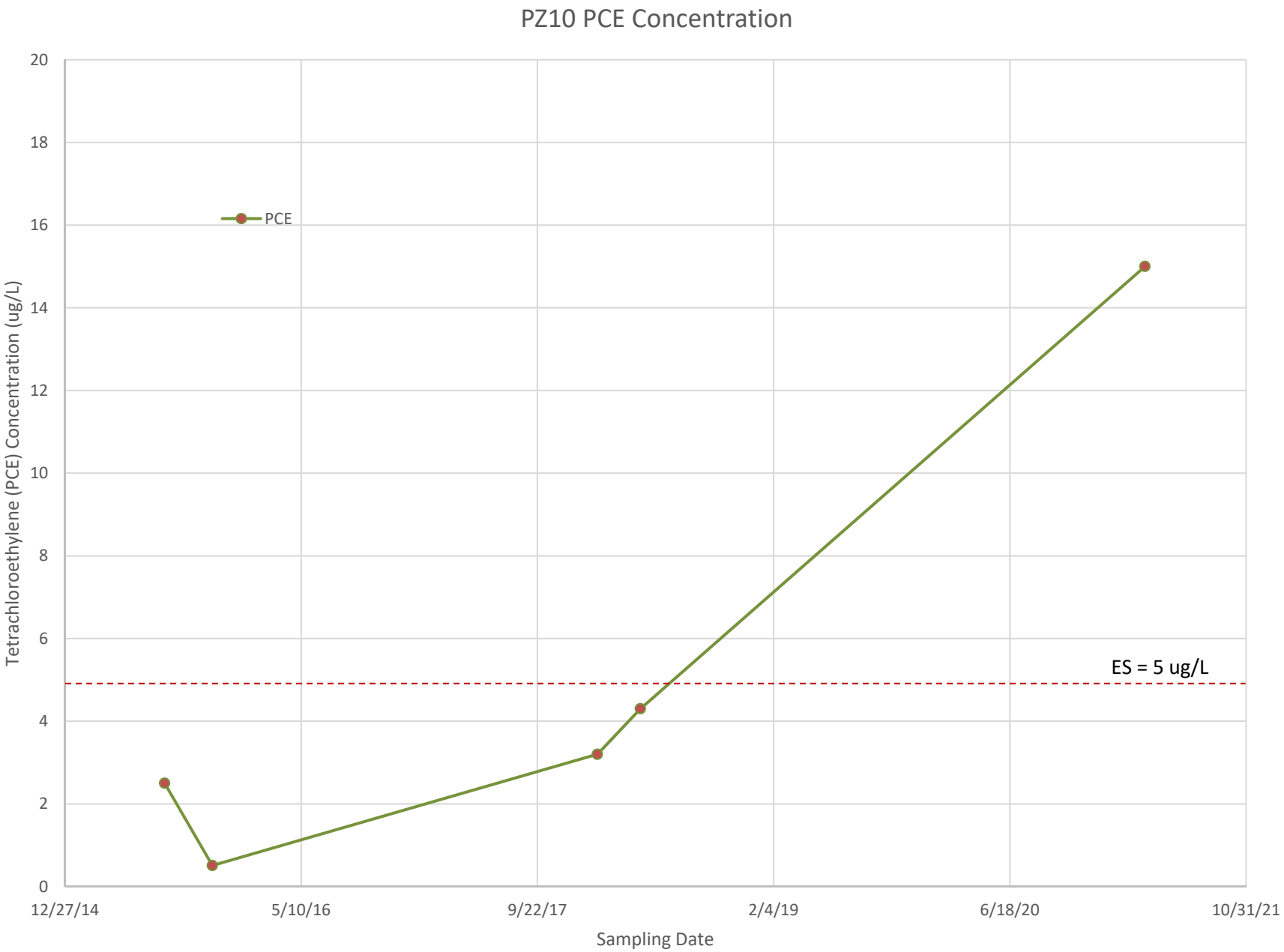
I:\25220211.00\Deliverables\August 2021 Update\Tables\[Table 2_Water Levels.xlsx]levels

PCE Concentration over Time Charts

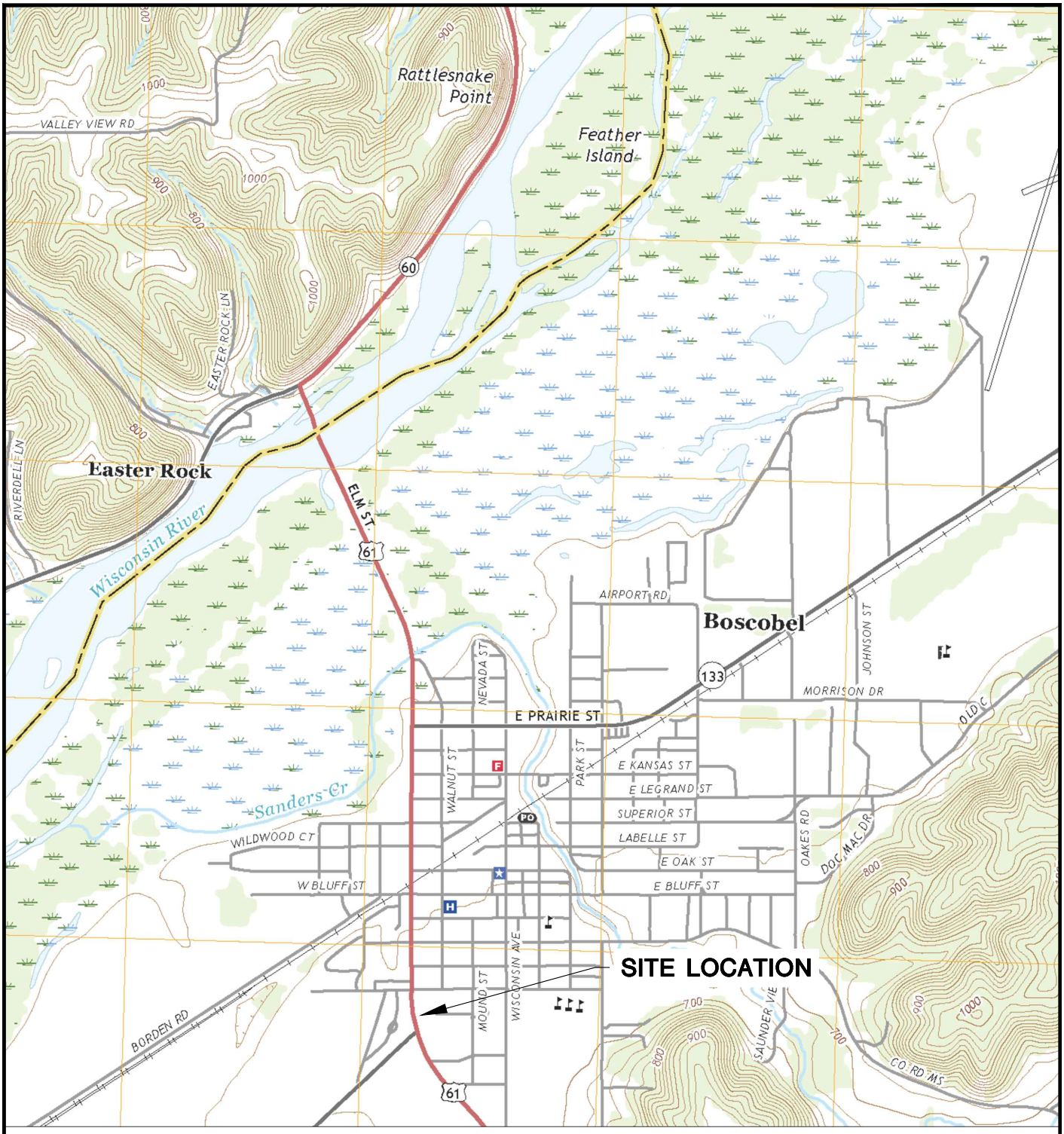
- MW8
- MW12
- PZ10


MW8 PCE Concentrations
Tetrachloroethylene (PCE) Concentration (ug/L)
20
18
16
14
12
10
8
6
4
2
0
PCE
ES = 5 ug/L
12/27/14
5/10/16
9/22/17
2/4/19
6/18/20
10/31/21
Sampling Date


MW12 PCE Concentrations
Tetrachloroethylene (PCE) Concentration (ug/L)
20
18
16
14
12
10
8
6
4
2
0
PCE
ES = 5 ug/L
9/22/17
4/10/18
10/27/18
5/15/19
12/1/19
6/18/20
1/4/21
7/23/21
Sampling Date


PZ10 PCE Concentration
PCE
ES = 5 ug/L
Tetrachloroethylene (PCE) Concentration (ug/L)
Sampling Date
0
2
4
6
8
10
12
14
16
18
20
12/27/14
5/10/16
9/22/17
2/4/19
6/18/20
10/31/21

Figures



N

BOSCOBEL QUADRANGLE
WISCONSIN
7.5 MINUTE SERIES (TOPOGRAPHIC)
2018
SCALE: 1" = 2,000'

CLIENT		SITE	FORMER HIGHWAY CLEANERS, BOSCOBEL 1509 ELM STREET BOSCOBEL, WISCONSIN

SITE LOCATION MAP

PROJECT NO.	25220211.00	DRAWN BY:	KP
DRAWN:	07/26/2021	CHECKED BY:	AW
REVISED:	07/26/2021	APPROVED BY:	TJK, 8/5/2021

ENGINEER

SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

FIGURE
1

\\Mad-fs01\data\Projects\25220211.00\Drawings\Site Location.dwg, 7/26/2021 7:53:14 AM

NOTES:

1. APRIL 2015 AERIAL PHOTOGRAPH SOURCES: ESRI, DIGITALGLOBE, GEOEYE, I-CUBED, USDA FSA, USGS, AEX, GETMAPPING, AEROGRID, IGN, IGP, SWISSTOPO, AND THE GIS USER COMMUNITY.
2. PROPERTY LINES FROM WISCONSIN STATEWIDE PARCEL MAP INITIATIVE, LOCATIONS ARE APPROXIMATE.
3. WELL LOCATIONS BASED ON SEYMORE ENVIRONMENTAL SERVICES, INC. GROUNDWATER MONITORING DATA MAP DATED JUNE 12, 2018.

SITE PLAN

FORMER HIGHWAY CLEANERS, BOSCOBEL
1509 ELM STREET
BOSCOBEL, WISCONSIN

SITE

CLIENT

FIGURE 2

SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

ENGINEER

PROJECT NO.	25220211.00
DRAWN:	06/08/2021
REVISED:	06/08/2021
DRAWN BY:	KP
CHECKED BY:	AW
APPROVED BY:	TJK, 8/5/2021

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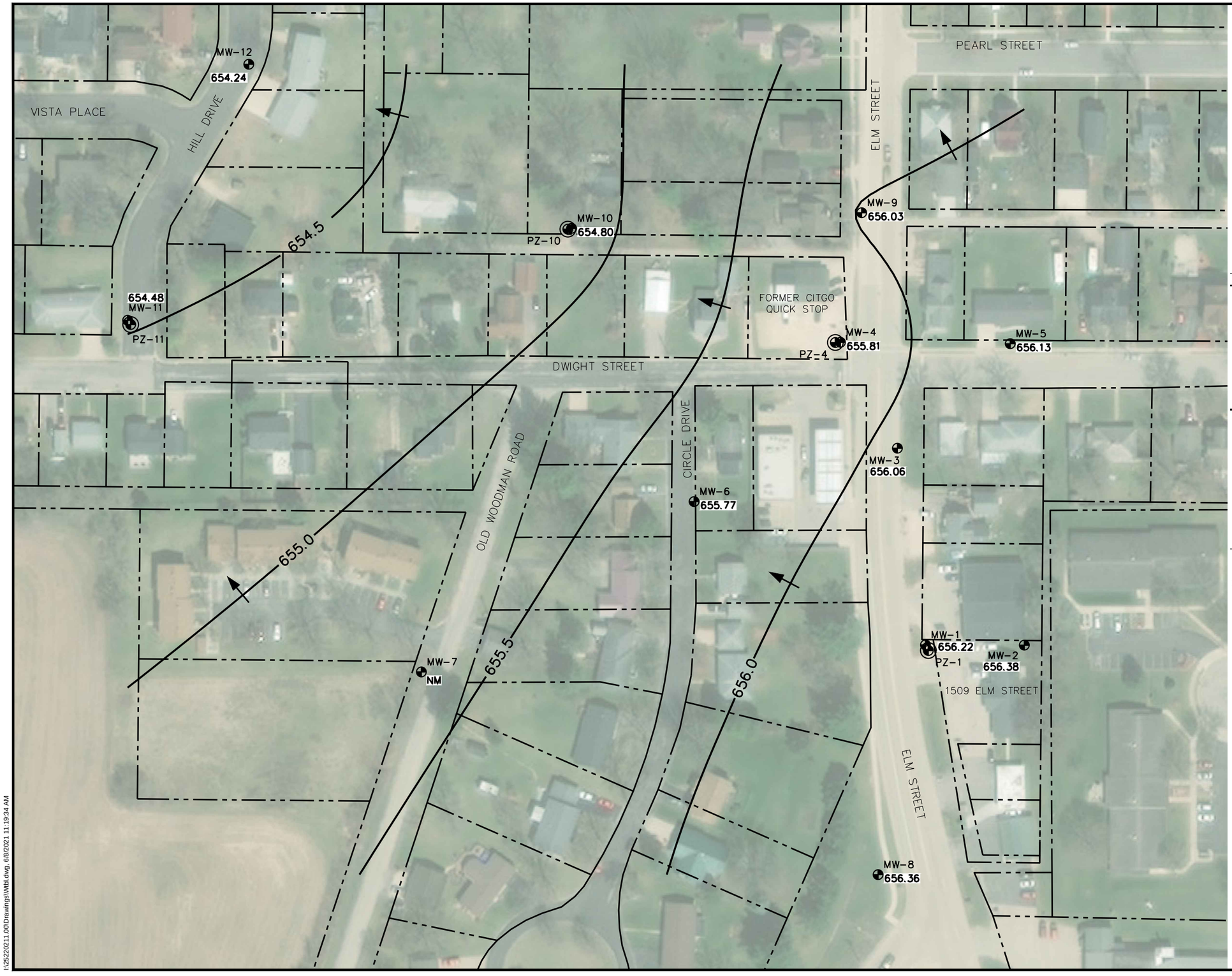

NOTES:

1. SEE FIGURE 2 FOR BASE MAP NOTES.
2. WATER LEVELS MEASURED BY SCS ENGINEERS ON MARCH 31, 2021.

WATER TABLE MAP
MARCH 31, 2021

FIGURE 3

SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

SITE
FORMER HIGHWAY CLEANERS, BOSCOBEL
1509 ELM STREET
BOSCOBEL, WISCONSIN

CLIENT

ENGINEER KP

PROJECT NO.	25220211.00
DRAWN:	06/08/2021
REVISED:	06/08/2021
DRAWN BY:	AW
CHECKED BY:	TJK, 8/5/2021
APPROVED BY:	

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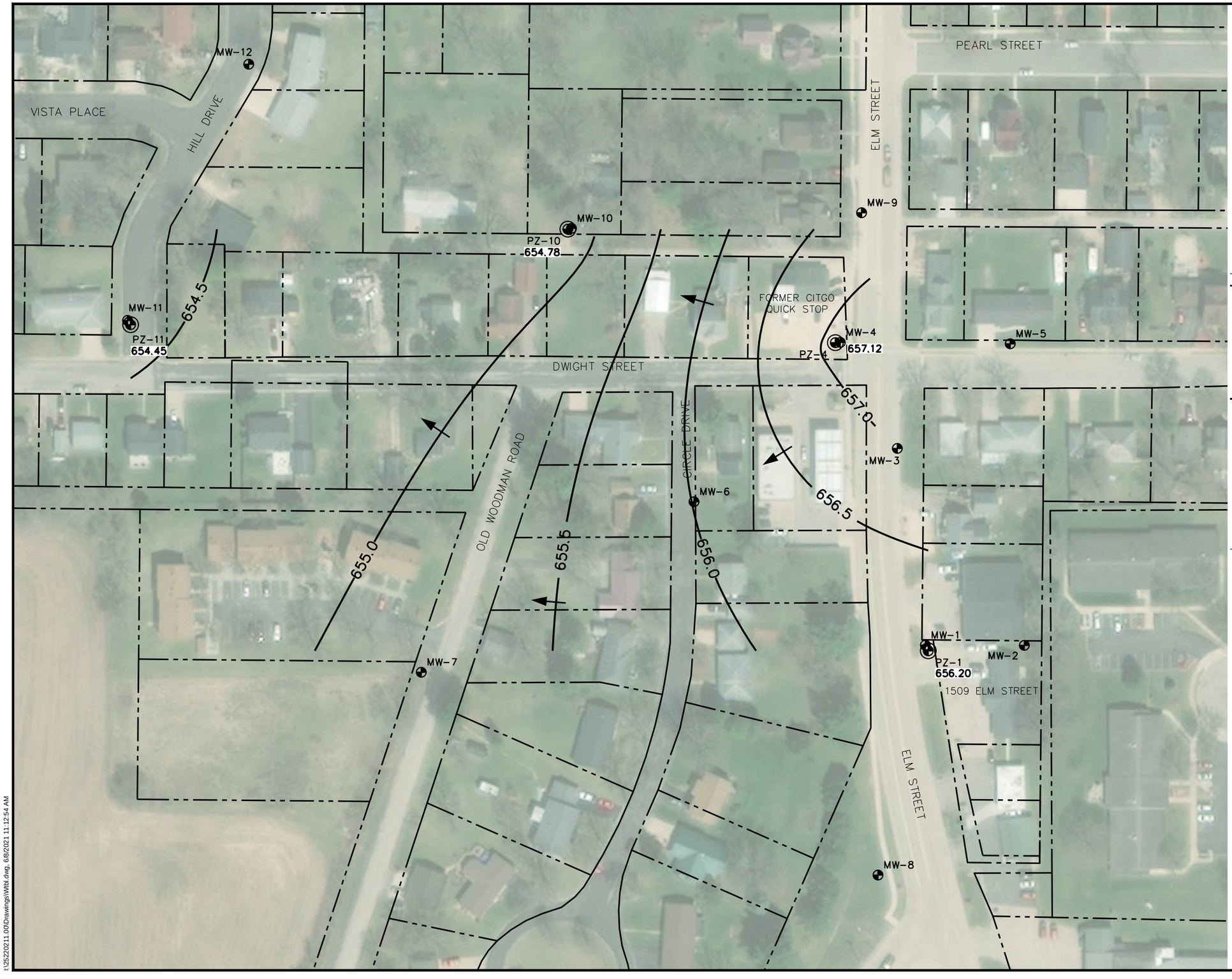


POTENTIOMETRIC SURFACE MAP
MARCH 31, 2021

FIGURE 4

SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

SITE
FORMER HIGHWAY CLEANERS, BOSCOBEL
1509 ELM STREET
BOSCOBEL, WISCONSIN

CLIENT

ENGINEER

DRAWN BY:	KP	
CHECKED BY:	AW	
APPROVED BY:	TJK, 8/5/2021	
PROJECT NO.	25220211.00	
DRAWN:	06/08/2021	
REVISED:	06/08/2021	

I:\25220211.00\Drawings\Wtbl.dwg, 6/8/2021 11:12:54 AM

NOTES:

1. SEE FIGURE 2 FOR BASE MAP NOTES.
2. UNDERLINED VALUES MEET OR EXCEED NR 140 PREVENTIVE ACTION LIMITS.
3. BOLD VALUES MEET OR EXCEED NR 140 ENFORCEMENT STANDARDS.

PCE ISOCONCENTRATION MAP

FORMER HIGHWAY CLEANERS, BOSCOBEL
1509 ELM STREET
BOSCOBEL, WISCONSIN

SITE

CLIENT

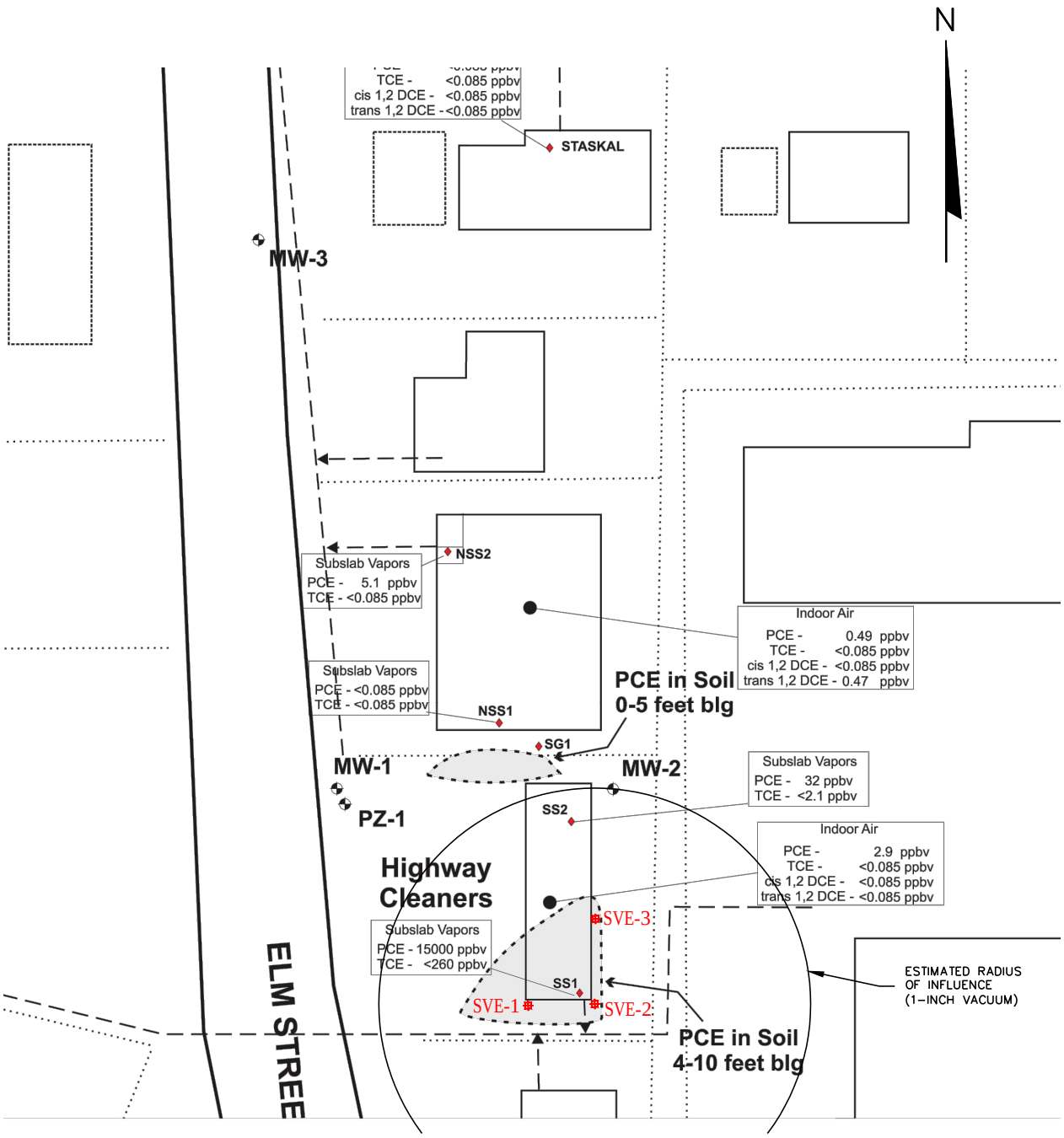
FIGURE 5

SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

ENGINEER

DRAWN BY:	KP
CHECKED BY:	AW
APPROVED BY:	TJK, 8/5/2021
PROJECT NO.	25220211.00
DRAWN:	06/08/2021
REVISED:	07/26/2021

\\Mad-fs01\data\Projects\25220211.00\Drawings\Results.dwg, 7/26/2021 7:42:09 AM



NOTES:
1. DRAWING FROM SEYMOUR ENVIRONMENTAL SERVICES, INC. VAPOR SAMPLING DATA(FEB. 2015) DRAWING.

CLIENT	MOUND CITY BANK 25 EAST PINE STREET PLATTEVILLE, WISCONSIN	SITE	FORMER HIGHWAY CLEANERS 1509 ELM STREET BOSCOBEL, WISCONSIN
	ESTIMATED SVE SYSTEM RADIUS OF INFLUENCE		

PROJECT NO.	25220211.01	DRAWN BY:	KRG
DRAWN:	07/28/2021	CHECKED BY:	TJK
REVISED:	10/08/2021	APPROVED BY:	TJK

ENGINEER
SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

FIGURE
1 of 1

I:\25220211.00\Drawings\SVE - Radius of Influence.dwg, 10/8/2021 2:26:04 PM

Attachment A

Groundwater Laboratory Analytical Reports

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

April 06, 2021

Tony Kollasch
SCS ENGINEERS
2830 Dairy Drive
Madison, WI 53718

RE: Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Dear Tony Kollasch:

Enclosed are the analytical results for sample(s) received by the laboratory on April 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,

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

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

CERTIFICATIONS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

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

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

SAMPLE SUMMARY

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40224429001	**MW-1**	Water	03/31/21 09:55	04/02/21 07:25
40224429002	**PZ-1**	Water	03/31/21 10:40	04/02/21 07:25
40224429003	**MW-2**	Water	03/31/21 11:25	04/02/21 07:25
40224429004	**MW-3**	Water	03/31/21 12:30	04/02/21 07:25
40224429005	**MW-5**	Water	03/31/21 13:12	04/02/21 07:25
40224429006	**MW-4**	Water	03/31/21 14:55	04/02/21 07:25
40224429007	**MW-10**	Water	03/31/21 15:45	04/02/21 07:25
40224429008	**PZ-10**	Water	03/31/21 16:00	04/02/21 07:25
40224429009	**MW-11**	Water	03/31/21 17:10	04/02/21 07:25
40224429010	**PZ-11**	Water	03/31/21 17:15	04/02/21 07:25
40224429011	**MW-9**	Water	03/31/21 18:15	04/02/21 07:25
40224429012	**MW-6**	Water	03/31/21 19:15	04/02/21 07:25
40224429013	**TRIP BLANK**	Water	03/31/21 00:00	04/02/21 07:25
40224429014	**MW-12**	Water	04/01/21 08:40	04/02/21 07:25
40224429015	**MW-8**	Water	04/01/21 10:10	04/02/21 07:25
40224429016	**PZ-4**	Water	04/01/21 10:55	04/02/21 07:25

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

SAMPLE ANALYTE COUNT

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40224429001	MW-1	EPA 8260	HNW	63	PASI-G
40224429002	PZ-1	EPA 8260	HNW	63	PASI-G
40224429003	MW-2	EPA 8260	HNW	63	PASI-G
40224429004	MW-3	EPA 8260	HNW	63	PASI-G
40224429005	MW-5	EPA 8260	HNW	63	PASI-G
40224429006	MW-4	EPA 8260	HNW	63	PASI-G
40224429007	MW-10	EPA 8260	HNW	63	PASI-G
40224429008	PZ-10	EPA 8260	HNW	63	PASI-G
40224429009	MW-11	EPA 8260	HNW	63	PASI-G
40224429010	PZ-11	EPA 8260	HNW	63	PASI-G
40224429011	MW-9	EPA 8260	HNW	63	PASI-G
40224429012	MW-6	EPA 8260	HNW	63	PASI-G
40224429013	TRIP BLANK	EPA 8260	HNW	63	PASI-G
40224429014	MW-12	EPA 8260	HNW	63	PASI-G
40224429015	MW-8	EPA 8260	HNW	63	PASI-G
40224429016	PZ-4	EPA 8260	HNW	63	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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

SUMMARY OF DETECTION

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40224429001	**MW-1**					
EPA 8260	Tetrachloroethene	3.1	ug/L	1.1	04/05/21 21:48	
40224429004	**MW-3**					
EPA 8260	Tetrachloroethene	22.1	ug/L	1.1	04/05/21 22:52	
40224429005	**MW-5**					
EPA 8260	1,1,1-Trichloroethane	11.9	ug/L	1.0	04/05/21 23:13	
EPA 8260	Tetrachloroethene	0.37J	ug/L	1.1	04/05/21 23:13	
40224429006	**MW-4**					
EPA 8260	Tetrachloroethene	23.3	ug/L	1.1	04/05/21 23:35	
40224429008	**PZ-10**					
EPA 8260	Tetrachloroethene	15.0	ug/L	1.1	04/06/21 00:18	
40224429009	**MW-11**					
EPA 8260	Tetrachloroethene	0.35J	ug/L	1.1	04/06/21 00:39	
40224429011	**MW-9**					
EPA 8260	Tetrachloroethene	0.49J	ug/L	1.1	04/06/21 01:00	
40224429012	**MW-6**					
EPA 8260	Tetrachloroethene	3.5	ug/L	1.1	04/06/21 01:22	
40224429014	**MW-12**					
EPA 8260	Tetrachloroethene	9.9	ug/L	1.1	04/06/21 01:43	
40224429015	**MW-8**					
EPA 8260	Tetrachloroethene	6.6	ug/L	1.1	04/06/21 02:05	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: MW-1 **Lab ID: 40224429001** Collected: 03/31/21 09:55 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		04/05/21 21:48	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/05/21 21:48	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 21:48	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		04/05/21 21:48	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		04/05/21 21:48	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		04/05/21 21:48	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		04/05/21 21:48	563-58-6	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		04/05/21 21:48	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		04/05/21 21:48	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/05/21 21:48	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		04/05/21 21:48	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		04/05/21 21:48	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		04/05/21 21:48	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 21:48	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 21:48	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 21:48	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		04/05/21 21:48	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		04/05/21 21:48	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		04/05/21 21:48	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		04/05/21 21:48	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		04/05/21 21:48	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		04/05/21 21:48	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		04/05/21 21:48	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		04/05/21 21:48	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		04/05/21 21:48	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/05/21 21:48	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		04/05/21 21:48	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		04/05/21 21:48	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		04/05/21 21:48	74-83-9	
Carbon tetrachloride	**<1.1**	ug/L	3.6	1.1	1		04/05/21 21:48	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 21:48	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		04/05/21 21:48	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/05/21 21:48	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		04/05/21 21:48	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		04/05/21 21:48	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		04/05/21 21:48	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		04/05/21 21:48	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		04/05/21 21:48	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		04/05/21 21:48	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		04/05/21 21:48	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		04/05/21 21:48	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		04/05/21 21:48	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		04/05/21 21:48	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		04/05/21 21:48	91-20-3	
Styrene	**<3.0**	ug/L	10.0	3.0	1		04/05/21 21:48	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: MW-1 **Lab ID: 40224429001** Collected: 03/31/21 09:55 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Tetrachloroethene	**3.1**	ug/L	1.1	0.33	1		04/05/21 21:48	127-18-4	
Toluene	**<0.27**	ug/L	1.0	0.27	1		04/05/21 21:48	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/05/21 21:48	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		04/05/21 21:48	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/05/21 21:48	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/05/21 21:48	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		04/05/21 21:48	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		04/05/21 21:48	10061-01-5	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 21:48	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		04/05/21 21:48	103-65-1	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		04/05/21 21:48	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		04/05/21 21:48	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		04/05/21 21:48	98-06-6	
trans-1,2-Dichloroethene	**<0.46**	ug/L	1.5	0.46	1		04/05/21 21:48	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		04/05/21 21:48	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		04/05/21 21:48	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		04/05/21 21:48	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		04/05/21 21:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: PZ-1 **Lab ID: 40224429002** Collected: 03/31/21 10:40 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		04/05/21 22:09	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/05/21 22:09	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 22:09	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		04/05/21 22:09	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		04/05/21 22:09	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		04/05/21 22:09	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		04/05/21 22:09	563-58-6	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		04/05/21 22:09	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		04/05/21 22:09	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/05/21 22:09	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		04/05/21 22:09	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		04/05/21 22:09	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		04/05/21 22:09	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 22:09	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 22:09	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 22:09	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		04/05/21 22:09	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		04/05/21 22:09	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		04/05/21 22:09	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		04/05/21 22:09	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		04/05/21 22:09	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		04/05/21 22:09	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		04/05/21 22:09	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		04/05/21 22:09	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		04/05/21 22:09	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/05/21 22:09	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		04/05/21 22:09	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		04/05/21 22:09	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		04/05/21 22:09	74-83-9	
Carbon tetrachloride	**<1.1**	ug/L	3.6	1.1	1		04/05/21 22:09	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 22:09	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		04/05/21 22:09	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/05/21 22:09	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		04/05/21 22:09	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		04/05/21 22:09	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		04/05/21 22:09	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		04/05/21 22:09	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		04/05/21 22:09	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		04/05/21 22:09	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		04/05/21 22:09	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		04/05/21 22:09	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		04/05/21 22:09	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		04/05/21 22:09	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		04/05/21 22:09	91-20-3	
Styrene	**<3.0**	ug/L	10.0	3.0	1		04/05/21 22:09	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: PZ-1 **Lab ID: 40224429002** Collected: 03/31/21 10:40 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		04/05/21 22:09	127-18-4	
Toluene	**<0.27**	ug/L	1.0	0.27	1		04/05/21 22:09	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/05/21 22:09	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		04/05/21 22:09	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/05/21 22:09	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/05/21 22:09	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		04/05/21 22:09	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		04/05/21 22:09	10061-01-5	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 22:09	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		04/05/21 22:09	103-65-1	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		04/05/21 22:09	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		04/05/21 22:09	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		04/05/21 22:09	98-06-6	
trans-1,2-Dichloroethene	**<0.46**	ug/L	1.5	0.46	1		04/05/21 22:09	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		04/05/21 22:09	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/05/21 22:09	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		04/05/21 22:09	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		04/05/21 22:09	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: MW-2 **Lab ID: 40224429003** Collected: 03/31/21 11:25 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		04/05/21 22:30	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/05/21 22:30	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 22:30	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		04/05/21 22:30	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		04/05/21 22:30	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		04/05/21 22:30	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		04/05/21 22:30	563-58-6	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		04/05/21 22:30	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		04/05/21 22:30	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/05/21 22:30	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		04/05/21 22:30	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		04/05/21 22:30	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		04/05/21 22:30	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 22:30	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 22:30	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 22:30	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		04/05/21 22:30	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		04/05/21 22:30	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		04/05/21 22:30	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		04/05/21 22:30	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		04/05/21 22:30	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		04/05/21 22:30	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		04/05/21 22:30	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		04/05/21 22:30	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		04/05/21 22:30	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/05/21 22:30	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		04/05/21 22:30	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		04/05/21 22:30	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		04/05/21 22:30	74-83-9	
Carbon tetrachloride	**<1.1**	ug/L	3.6	1.1	1		04/05/21 22:30	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 22:30	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		04/05/21 22:30	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/05/21 22:30	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		04/05/21 22:30	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		04/05/21 22:30	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		04/05/21 22:30	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		04/05/21 22:30	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		04/05/21 22:30	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		04/05/21 22:30	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		04/05/21 22:30	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		04/05/21 22:30	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		04/05/21 22:30	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		04/05/21 22:30	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		04/05/21 22:30	91-20-3	
Styrene	**<3.0**	ug/L	10.0	3.0	1		04/05/21 22:30	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: MW-2 **Lab ID: 40224429003** Collected: 03/31/21 11:25 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		04/05/21 22:30	127-18-4	
Toluene	**<0.27**	ug/L	1.0	0.27	1		04/05/21 22:30	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/05/21 22:30	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		04/05/21 22:30	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/05/21 22:30	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/05/21 22:30	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		04/05/21 22:30	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		04/05/21 22:30	10061-01-5	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 22:30	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		04/05/21 22:30	103-65-1	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		04/05/21 22:30	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		04/05/21 22:30	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		04/05/21 22:30	98-06-6	
trans-1,2-Dichloroethene	**<0.46**	ug/L	1.5	0.46	1		04/05/21 22:30	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		04/05/21 22:30	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/05/21 22:30	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		04/05/21 22:30	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		04/05/21 22:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: MW-3 **Lab ID: 40224429004** Collected: 03/31/21 12:30 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		04/05/21 22:52	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/05/21 22:52	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 22:52	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		04/05/21 22:52	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		04/05/21 22:52	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		04/05/21 22:52	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		04/05/21 22:52	563-58-6	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		04/05/21 22:52	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		04/05/21 22:52	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/05/21 22:52	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		04/05/21 22:52	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		04/05/21 22:52	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		04/05/21 22:52	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 22:52	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 22:52	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 22:52	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		04/05/21 22:52	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		04/05/21 22:52	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		04/05/21 22:52	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		04/05/21 22:52	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		04/05/21 22:52	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		04/05/21 22:52	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		04/05/21 22:52	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		04/05/21 22:52	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		04/05/21 22:52	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/05/21 22:52	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		04/05/21 22:52	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		04/05/21 22:52	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		04/05/21 22:52	74-83-9	
Carbon tetrachloride	**<1.1**	ug/L	3.6	1.1	1		04/05/21 22:52	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 22:52	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		04/05/21 22:52	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/05/21 22:52	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		04/05/21 22:52	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		04/05/21 22:52	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		04/05/21 22:52	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		04/05/21 22:52	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		04/05/21 22:52	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		04/05/21 22:52	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		04/05/21 22:52	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		04/05/21 22:52	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		04/05/21 22:52	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		04/05/21 22:52	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		04/05/21 22:52	91-20-3	
Styrene	**<3.0**	ug/L	10.0	3.0	1		04/05/21 22:52	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: MW-3 **Lab ID: 40224429004** Collected: 03/31/21 12:30 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Tetrachloroethene	**22.1**	ug/L	1.1	0.33	1		04/05/21 22:52	127-18-4	
Toluene	**<0.27**	ug/L	1.0	0.27	1		04/05/21 22:52	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/05/21 22:52	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		04/05/21 22:52	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/05/21 22:52	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/05/21 22:52	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		04/05/21 22:52	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		04/05/21 22:52	10061-01-5	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 22:52	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		04/05/21 22:52	103-65-1	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		04/05/21 22:52	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		04/05/21 22:52	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		04/05/21 22:52	98-06-6	
trans-1,2-Dichloroethene	**<0.46**	ug/L	1.5	0.46	1		04/05/21 22:52	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		04/05/21 22:52	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/05/21 22:52	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		04/05/21 22:52	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		04/05/21 22:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: MW-5 **Lab ID: 40224429005** Collected: 03/31/21 13:12 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		04/05/21 23:13	630-20-6	
1,1,1-Trichloroethane	**11.9**	ug/L	1.0	0.24	1		04/05/21 23:13	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 23:13	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		04/05/21 23:13	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		04/05/21 23:13	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		04/05/21 23:13	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		04/05/21 23:13	563-58-6	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		04/05/21 23:13	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		04/05/21 23:13	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/05/21 23:13	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		04/05/21 23:13	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		04/05/21 23:13	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		04/05/21 23:13	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 23:13	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 23:13	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 23:13	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		04/05/21 23:13	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		04/05/21 23:13	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		04/05/21 23:13	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		04/05/21 23:13	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		04/05/21 23:13	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		04/05/21 23:13	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		04/05/21 23:13	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		04/05/21 23:13	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		04/05/21 23:13	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/05/21 23:13	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		04/05/21 23:13	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		04/05/21 23:13	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		04/05/21 23:13	74-83-9	
Carbon tetrachloride	**<1.1**	ug/L	3.6	1.1	1		04/05/21 23:13	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 23:13	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		04/05/21 23:13	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/05/21 23:13	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		04/05/21 23:13	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		04/05/21 23:13	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		04/05/21 23:13	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		04/05/21 23:13	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		04/05/21 23:13	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		04/05/21 23:13	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		04/05/21 23:13	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		04/05/21 23:13	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		04/05/21 23:13	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		04/05/21 23:13	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		04/05/21 23:13	91-20-3	
Styrene	**<3.0**	ug/L	10.0	3.0	1		04/05/21 23:13	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: MW-5 **Lab ID: 40224429005** Collected: 03/31/21 13:12 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Tetrachloroethene	**0.37J**	ug/L	1.1	0.33	1		04/05/21 23:13	127-18-4	
Toluene	**<0.27**	ug/L	1.0	0.27	1		04/05/21 23:13	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/05/21 23:13	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		04/05/21 23:13	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/05/21 23:13	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/05/21 23:13	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		04/05/21 23:13	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		04/05/21 23:13	10061-01-5	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 23:13	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		04/05/21 23:13	103-65-1	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		04/05/21 23:13	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		04/05/21 23:13	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		04/05/21 23:13	98-06-6	
trans-1,2-Dichloroethene	**<0.46**	ug/L	1.5	0.46	1		04/05/21 23:13	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		04/05/21 23:13	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/05/21 23:13	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		04/05/21 23:13	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		04/05/21 23:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: MW-4 **Lab ID: 40224429006** Collected: 03/31/21 14:55 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		04/05/21 23:35	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/05/21 23:35	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 23:35	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		04/05/21 23:35	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		04/05/21 23:35	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		04/05/21 23:35	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		04/05/21 23:35	563-58-6	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		04/05/21 23:35	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		04/05/21 23:35	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/05/21 23:35	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		04/05/21 23:35	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		04/05/21 23:35	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		04/05/21 23:35	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 23:35	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 23:35	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 23:35	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		04/05/21 23:35	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		04/05/21 23:35	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		04/05/21 23:35	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		04/05/21 23:35	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		04/05/21 23:35	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		04/05/21 23:35	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		04/05/21 23:35	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		04/05/21 23:35	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		04/05/21 23:35	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/05/21 23:35	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		04/05/21 23:35	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		04/05/21 23:35	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		04/05/21 23:35	74-83-9	
Carbon tetrachloride	**<1.1**	ug/L	3.6	1.1	1		04/05/21 23:35	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 23:35	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		04/05/21 23:35	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/05/21 23:35	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		04/05/21 23:35	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		04/05/21 23:35	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		04/05/21 23:35	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		04/05/21 23:35	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		04/05/21 23:35	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		04/05/21 23:35	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		04/05/21 23:35	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		04/05/21 23:35	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		04/05/21 23:35	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		04/05/21 23:35	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		04/05/21 23:35	91-20-3	
Styrene	**<3.0**	ug/L	10.0	3.0	1		04/05/21 23:35	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: MW-4 **Lab ID: 40224429006** Collected: 03/31/21 14:55 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Tetrachloroethene	**23.3**	ug/L	1.1	0.33	1		04/05/21 23:35	127-18-4	
Toluene	**<0.27**	ug/L	1.0	0.27	1		04/05/21 23:35	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/05/21 23:35	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		04/05/21 23:35	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/05/21 23:35	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/05/21 23:35	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		04/05/21 23:35	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		04/05/21 23:35	10061-01-5	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 23:35	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		04/05/21 23:35	103-65-1	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		04/05/21 23:35	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		04/05/21 23:35	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		04/05/21 23:35	98-06-6	
trans-1,2-Dichloroethene	**<0.46**	ug/L	1.5	0.46	1		04/05/21 23:35	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		04/05/21 23:35	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/05/21 23:35	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		04/05/21 23:35	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		04/05/21 23:35	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: MW-10 **Lab ID: 40224429007** Collected: 03/31/21 15:45 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		04/05/21 23:56	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/05/21 23:56	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 23:56	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		04/05/21 23:56	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		04/05/21 23:56	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		04/05/21 23:56	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		04/05/21 23:56	563-58-6	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		04/05/21 23:56	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		04/05/21 23:56	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/05/21 23:56	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		04/05/21 23:56	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		04/05/21 23:56	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		04/05/21 23:56	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 23:56	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 23:56	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 23:56	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		04/05/21 23:56	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		04/05/21 23:56	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		04/05/21 23:56	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		04/05/21 23:56	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		04/05/21 23:56	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		04/05/21 23:56	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		04/05/21 23:56	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		04/05/21 23:56	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		04/05/21 23:56	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/05/21 23:56	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		04/05/21 23:56	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		04/05/21 23:56	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		04/05/21 23:56	74-83-9	
Carbon tetrachloride	**<1.1**	ug/L	3.6	1.1	1		04/05/21 23:56	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 23:56	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		04/05/21 23:56	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/05/21 23:56	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		04/05/21 23:56	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		04/05/21 23:56	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		04/05/21 23:56	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		04/05/21 23:56	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		04/05/21 23:56	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		04/05/21 23:56	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		04/05/21 23:56	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		04/05/21 23:56	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		04/05/21 23:56	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		04/05/21 23:56	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		04/05/21 23:56	91-20-3	
Styrene	**<3.0**	ug/L	10.0	3.0	1		04/05/21 23:56	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: MW-10 **Lab ID: 40224429007** Collected: 03/31/21 15:45 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		04/05/21 23:56	127-18-4	
Toluene	**<0.27**	ug/L	1.0	0.27	1		04/05/21 23:56	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/05/21 23:56	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		04/05/21 23:56	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/05/21 23:56	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/05/21 23:56	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		04/05/21 23:56	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		04/05/21 23:56	10061-01-5	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 23:56	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		04/05/21 23:56	103-65-1	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		04/05/21 23:56	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		04/05/21 23:56	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		04/05/21 23:56	98-06-6	
trans-1,2-Dichloroethene	**<0.46**	ug/L	1.5	0.46	1		04/05/21 23:56	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		04/05/21 23:56	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/05/21 23:56	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		04/05/21 23:56	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		04/05/21 23:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: PZ-10 **Lab ID: 40224429008** Collected: 03/31/21 16:00 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		04/06/21 00:18	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/06/21 00:18	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		04/06/21 00:18	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		04/06/21 00:18	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		04/06/21 00:18	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		04/06/21 00:18	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		04/06/21 00:18	563-58-6	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		04/06/21 00:18	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		04/06/21 00:18	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/06/21 00:18	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		04/06/21 00:18	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		04/06/21 00:18	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		04/06/21 00:18	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/21 00:18	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		04/06/21 00:18	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		04/06/21 00:18	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		04/06/21 00:18	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		04/06/21 00:18	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		04/06/21 00:18	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		04/06/21 00:18	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		04/06/21 00:18	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		04/06/21 00:18	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		04/06/21 00:18	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		04/06/21 00:18	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		04/06/21 00:18	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/06/21 00:18	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		04/06/21 00:18	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		04/06/21 00:18	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		04/06/21 00:18	74-83-9	
Carbon tetrachloride	**<1.1**	ug/L	3.6	1.1	1		04/06/21 00:18	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/21 00:18	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		04/06/21 00:18	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/06/21 00:18	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		04/06/21 00:18	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		04/06/21 00:18	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		04/06/21 00:18	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		04/06/21 00:18	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		04/06/21 00:18	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		04/06/21 00:18	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		04/06/21 00:18	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		04/06/21 00:18	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		04/06/21 00:18	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		04/06/21 00:18	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		04/06/21 00:18	91-20-3	
Styrene	**<3.0**	ug/L	10.0	3.0	1		04/06/21 00:18	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: PZ-10 **Lab ID: 40224429008** Collected: 03/31/21 16:00 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Tetrachloroethene	**15.0**	ug/L	1.1	0.33	1		04/06/21 00:18	127-18-4	
Toluene	**<0.27**	ug/L	1.0	0.27	1		04/06/21 00:18	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/06/21 00:18	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		04/06/21 00:18	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/06/21 00:18	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/06/21 00:18	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		04/06/21 00:18	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		04/06/21 00:18	10061-01-5	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/21 00:18	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		04/06/21 00:18	103-65-1	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		04/06/21 00:18	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		04/06/21 00:18	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		04/06/21 00:18	98-06-6	
trans-1,2-Dichloroethene	**<0.46**	ug/L	1.5	0.46	1		04/06/21 00:18	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		04/06/21 00:18	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/06/21 00:18	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		04/06/21 00:18	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		04/06/21 00:18	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: MW-11 **Lab ID: 40224429009** Collected: 03/31/21 17:10 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		04/06/21 00:39	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/06/21 00:39	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		04/06/21 00:39	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		04/06/21 00:39	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		04/06/21 00:39	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		04/06/21 00:39	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		04/06/21 00:39	563-58-6	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		04/06/21 00:39	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		04/06/21 00:39	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/06/21 00:39	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		04/06/21 00:39	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		04/06/21 00:39	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		04/06/21 00:39	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/21 00:39	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		04/06/21 00:39	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		04/06/21 00:39	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		04/06/21 00:39	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		04/06/21 00:39	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		04/06/21 00:39	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		04/06/21 00:39	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		04/06/21 00:39	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		04/06/21 00:39	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		04/06/21 00:39	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		04/06/21 00:39	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		04/06/21 00:39	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/06/21 00:39	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		04/06/21 00:39	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		04/06/21 00:39	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		04/06/21 00:39	74-83-9	
Carbon tetrachloride	**<1.1**	ug/L	3.6	1.1	1		04/06/21 00:39	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/21 00:39	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		04/06/21 00:39	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/06/21 00:39	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		04/06/21 00:39	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		04/06/21 00:39	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		04/06/21 00:39	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		04/06/21 00:39	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		04/06/21 00:39	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		04/06/21 00:39	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		04/06/21 00:39	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		04/06/21 00:39	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		04/06/21 00:39	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		04/06/21 00:39	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		04/06/21 00:39	91-20-3	
Styrene	**<3.0**	ug/L	10.0	3.0	1		04/06/21 00:39	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: MW-11 **Lab ID: 40224429009** Collected: 03/31/21 17:10 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Tetrachloroethene	**0.35J**	ug/L	1.1	0.33	1		04/06/21 00:39	127-18-4	
Toluene	**<0.27**	ug/L	1.0	0.27	1		04/06/21 00:39	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/06/21 00:39	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		04/06/21 00:39	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/06/21 00:39	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/06/21 00:39	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		04/06/21 00:39	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		04/06/21 00:39	10061-01-5	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/21 00:39	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		04/06/21 00:39	103-65-1	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		04/06/21 00:39	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		04/06/21 00:39	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		04/06/21 00:39	98-06-6	
trans-1,2-Dichloroethene	**<0.46**	ug/L	1.5	0.46	1		04/06/21 00:39	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		04/06/21 00:39	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/06/21 00:39	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		04/06/21 00:39	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		04/06/21 00:39	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: PZ-11 **Lab ID: 40224429010** Collected: 03/31/21 17:15 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		04/05/21 21:26	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/05/21 21:26	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 21:26	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		04/05/21 21:26	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		04/05/21 21:26	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		04/05/21 21:26	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		04/05/21 21:26	563-58-6	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		04/05/21 21:26	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		04/05/21 21:26	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/05/21 21:26	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		04/05/21 21:26	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		04/05/21 21:26	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		04/05/21 21:26	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 21:26	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 21:26	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 21:26	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		04/05/21 21:26	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		04/05/21 21:26	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		04/05/21 21:26	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		04/05/21 21:26	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		04/05/21 21:26	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		04/05/21 21:26	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		04/05/21 21:26	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		04/05/21 21:26	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		04/05/21 21:26	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/05/21 21:26	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		04/05/21 21:26	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		04/05/21 21:26	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		04/05/21 21:26	74-83-9	
Carbon tetrachloride	**<1.1**	ug/L	3.6	1.1	1		04/05/21 21:26	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 21:26	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		04/05/21 21:26	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/05/21 21:26	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		04/05/21 21:26	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		04/05/21 21:26	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		04/05/21 21:26	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		04/05/21 21:26	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		04/05/21 21:26	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		04/05/21 21:26	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		04/05/21 21:26	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		04/05/21 21:26	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		04/05/21 21:26	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		04/05/21 21:26	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		04/05/21 21:26	91-20-3	
Styrene	**<3.0**	ug/L	10.0	3.0	1		04/05/21 21:26	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: PZ-11 **Lab ID: 40224429010** Collected: 03/31/21 17:15 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		04/05/21 21:26	127-18-4	
Toluene	**<0.27**	ug/L	1.0	0.27	1		04/05/21 21:26	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/05/21 21:26	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		04/05/21 21:26	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/05/21 21:26	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/05/21 21:26	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		04/05/21 21:26	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		04/05/21 21:26	10061-01-5	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 21:26	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		04/05/21 21:26	103-65-1	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		04/05/21 21:26	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		04/05/21 21:26	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		04/05/21 21:26	98-06-6	
trans-1,2-Dichloroethene	**<0.46**	ug/L	1.5	0.46	1		04/05/21 21:26	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		04/05/21 21:26	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/05/21 21:26	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		04/05/21 21:26	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		04/05/21 21:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: MW-9 **Lab ID: 40224429011** Collected: 03/31/21 18:15 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		04/06/21 01:00	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/06/21 01:00	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		04/06/21 01:00	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		04/06/21 01:00	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		04/06/21 01:00	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		04/06/21 01:00	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		04/06/21 01:00	563-58-6	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		04/06/21 01:00	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		04/06/21 01:00	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/06/21 01:00	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		04/06/21 01:00	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		04/06/21 01:00	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		04/06/21 01:00	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/21 01:00	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		04/06/21 01:00	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		04/06/21 01:00	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		04/06/21 01:00	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		04/06/21 01:00	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		04/06/21 01:00	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		04/06/21 01:00	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		04/06/21 01:00	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		04/06/21 01:00	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		04/06/21 01:00	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		04/06/21 01:00	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		04/06/21 01:00	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/06/21 01:00	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		04/06/21 01:00	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		04/06/21 01:00	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		04/06/21 01:00	74-83-9	
Carbon tetrachloride	**<1.1**	ug/L	3.6	1.1	1		04/06/21 01:00	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/21 01:00	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		04/06/21 01:00	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/06/21 01:00	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		04/06/21 01:00	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		04/06/21 01:00	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		04/06/21 01:00	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		04/06/21 01:00	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		04/06/21 01:00	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		04/06/21 01:00	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		04/06/21 01:00	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		04/06/21 01:00	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		04/06/21 01:00	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		04/06/21 01:00	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		04/06/21 01:00	91-20-3	
Styrene	**<3.0**	ug/L	10.0	3.0	1		04/06/21 01:00	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: MW-9 **Lab ID: 40224429011** Collected: 03/31/21 18:15 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Tetrachloroethene	**0.49J**	ug/L	1.1	0.33	1		04/06/21 01:00	127-18-4	
Toluene	**<0.27**	ug/L	1.0	0.27	1		04/06/21 01:00	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/06/21 01:00	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		04/06/21 01:00	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/06/21 01:00	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/06/21 01:00	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		04/06/21 01:00	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		04/06/21 01:00	10061-01-5	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/21 01:00	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		04/06/21 01:00	103-65-1	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		04/06/21 01:00	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		04/06/21 01:00	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		04/06/21 01:00	98-06-6	
trans-1,2-Dichloroethene	**<0.46**	ug/L	1.5	0.46	1		04/06/21 01:00	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		04/06/21 01:00	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/06/21 01:00	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		04/06/21 01:00	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		04/06/21 01:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: MW-6 **Lab ID: 40224429012** Collected: 03/31/21 19:15 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		04/06/21 01:22	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/06/21 01:22	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		04/06/21 01:22	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		04/06/21 01:22	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		04/06/21 01:22	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		04/06/21 01:22	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		04/06/21 01:22	563-58-6	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		04/06/21 01:22	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		04/06/21 01:22	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/06/21 01:22	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		04/06/21 01:22	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		04/06/21 01:22	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		04/06/21 01:22	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/21 01:22	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		04/06/21 01:22	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		04/06/21 01:22	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		04/06/21 01:22	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		04/06/21 01:22	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		04/06/21 01:22	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		04/06/21 01:22	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		04/06/21 01:22	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		04/06/21 01:22	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		04/06/21 01:22	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		04/06/21 01:22	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		04/06/21 01:22	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/06/21 01:22	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		04/06/21 01:22	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		04/06/21 01:22	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		04/06/21 01:22	74-83-9	
Carbon tetrachloride	**<1.1**	ug/L	3.6	1.1	1		04/06/21 01:22	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/21 01:22	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		04/06/21 01:22	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/06/21 01:22	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		04/06/21 01:22	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		04/06/21 01:22	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		04/06/21 01:22	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		04/06/21 01:22	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		04/06/21 01:22	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		04/06/21 01:22	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		04/06/21 01:22	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		04/06/21 01:22	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		04/06/21 01:22	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		04/06/21 01:22	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		04/06/21 01:22	91-20-3	
Styrene	**<3.0**	ug/L	10.0	3.0	1		04/06/21 01:22	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: MW-6 **Lab ID: 40224429012** Collected: 03/31/21 19:15 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Tetrachloroethene	**3.5**	ug/L	1.1	0.33	1		04/06/21 01:22	127-18-4	
Toluene	**<0.27**	ug/L	1.0	0.27	1		04/06/21 01:22	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/06/21 01:22	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		04/06/21 01:22	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/06/21 01:22	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/06/21 01:22	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		04/06/21 01:22	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		04/06/21 01:22	10061-01-5	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/21 01:22	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		04/06/21 01:22	103-65-1	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		04/06/21 01:22	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		04/06/21 01:22	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		04/06/21 01:22	98-06-6	
trans-1,2-Dichloroethene	**<0.46**	ug/L	1.5	0.46	1		04/06/21 01:22	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		04/06/21 01:22	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/06/21 01:22	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		04/06/21 01:22	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		04/06/21 01:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: TRIP BLANK **Lab ID: 40224429013** Collected: 03/31/21 00:00 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		04/05/21 21:05	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/05/21 21:05	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 21:05	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		04/05/21 21:05	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		04/05/21 21:05	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		04/05/21 21:05	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		04/05/21 21:05	563-58-6	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		04/05/21 21:05	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		04/05/21 21:05	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/05/21 21:05	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		04/05/21 21:05	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		04/05/21 21:05	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		04/05/21 21:05	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 21:05	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 21:05	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		04/05/21 21:05	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		04/05/21 21:05	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		04/05/21 21:05	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		04/05/21 21:05	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		04/05/21 21:05	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		04/05/21 21:05	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		04/05/21 21:05	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		04/05/21 21:05	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		04/05/21 21:05	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		04/05/21 21:05	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/05/21 21:05	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		04/05/21 21:05	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		04/05/21 21:05	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		04/05/21 21:05	74-83-9	
Carbon tetrachloride	**<1.1**	ug/L	3.6	1.1	1		04/05/21 21:05	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 21:05	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		04/05/21 21:05	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/05/21 21:05	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		04/05/21 21:05	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		04/05/21 21:05	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		04/05/21 21:05	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		04/05/21 21:05	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		04/05/21 21:05	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		04/05/21 21:05	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		04/05/21 21:05	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		04/05/21 21:05	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		04/05/21 21:05	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		04/05/21 21:05	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		04/05/21 21:05	91-20-3	
Styrene	**<3.0**	ug/L	10.0	3.0	1		04/05/21 21:05	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: TRIP BLANK **Lab ID: 40224429013** Collected: 03/31/21 00:00 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		04/05/21 21:05	127-18-4	
Toluene	**<0.27**	ug/L	1.0	0.27	1		04/05/21 21:05	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/05/21 21:05	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		04/05/21 21:05	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/05/21 21:05	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/05/21 21:05	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		04/05/21 21:05	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		04/05/21 21:05	10061-01-5	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		04/05/21 21:05	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		04/05/21 21:05	103-65-1	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		04/05/21 21:05	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		04/05/21 21:05	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		04/05/21 21:05	98-06-6	
trans-1,2-Dichloroethene	**<0.46**	ug/L	1.5	0.46	1		04/05/21 21:05	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		04/05/21 21:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		04/05/21 21:05	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		04/05/21 21:05	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		04/05/21 21:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: MW-12 **Lab ID: 40224429014** Collected: 04/01/21 08:40 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		04/06/21 01:43	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/06/21 01:43	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		04/06/21 01:43	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		04/06/21 01:43	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		04/06/21 01:43	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		04/06/21 01:43	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		04/06/21 01:43	563-58-6	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		04/06/21 01:43	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		04/06/21 01:43	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/06/21 01:43	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		04/06/21 01:43	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		04/06/21 01:43	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		04/06/21 01:43	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/21 01:43	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		04/06/21 01:43	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		04/06/21 01:43	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		04/06/21 01:43	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		04/06/21 01:43	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		04/06/21 01:43	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		04/06/21 01:43	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		04/06/21 01:43	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		04/06/21 01:43	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		04/06/21 01:43	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		04/06/21 01:43	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		04/06/21 01:43	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/06/21 01:43	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		04/06/21 01:43	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		04/06/21 01:43	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		04/06/21 01:43	74-83-9	
Carbon tetrachloride	**<1.1**	ug/L	3.6	1.1	1		04/06/21 01:43	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/21 01:43	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		04/06/21 01:43	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/06/21 01:43	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		04/06/21 01:43	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		04/06/21 01:43	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		04/06/21 01:43	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		04/06/21 01:43	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		04/06/21 01:43	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		04/06/21 01:43	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		04/06/21 01:43	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		04/06/21 01:43	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		04/06/21 01:43	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		04/06/21 01:43	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		04/06/21 01:43	91-20-3	
Styrene	**<3.0**	ug/L	10.0	3.0	1		04/06/21 01:43	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: MW-12 **Lab ID: 40224429014** Collected: 04/01/21 08:40 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Tetrachloroethene	**9.9**	ug/L	1.1	0.33	1		04/06/21 01:43	127-18-4	
Toluene	**<0.27**	ug/L	1.0	0.27	1		04/06/21 01:43	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/06/21 01:43	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		04/06/21 01:43	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/06/21 01:43	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/06/21 01:43	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		04/06/21 01:43	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		04/06/21 01:43	10061-01-5	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/21 01:43	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		04/06/21 01:43	103-65-1	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		04/06/21 01:43	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		04/06/21 01:43	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		04/06/21 01:43	98-06-6	
trans-1,2-Dichloroethene	**<0.46**	ug/L	1.5	0.46	1		04/06/21 01:43	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		04/06/21 01:43	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/06/21 01:43	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		04/06/21 01:43	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		04/06/21 01:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: MW-8 **Lab ID: 40224429015** Collected: 04/01/21 10:10 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		04/06/21 02:05	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/06/21 02:05	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		04/06/21 02:05	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		04/06/21 02:05	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		04/06/21 02:05	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		04/06/21 02:05	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		04/06/21 02:05	563-58-6	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		04/06/21 02:05	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		04/06/21 02:05	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/06/21 02:05	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		04/06/21 02:05	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		04/06/21 02:05	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		04/06/21 02:05	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/21 02:05	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		04/06/21 02:05	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		04/06/21 02:05	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		04/06/21 02:05	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		04/06/21 02:05	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		04/06/21 02:05	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		04/06/21 02:05	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		04/06/21 02:05	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		04/06/21 02:05	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		04/06/21 02:05	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		04/06/21 02:05	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		04/06/21 02:05	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/06/21 02:05	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		04/06/21 02:05	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		04/06/21 02:05	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		04/06/21 02:05	74-83-9	
Carbon tetrachloride	**<1.1**	ug/L	3.6	1.1	1		04/06/21 02:05	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/21 02:05	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		04/06/21 02:05	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/06/21 02:05	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		04/06/21 02:05	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		04/06/21 02:05	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		04/06/21 02:05	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		04/06/21 02:05	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		04/06/21 02:05	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		04/06/21 02:05	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		04/06/21 02:05	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		04/06/21 02:05	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		04/06/21 02:05	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		04/06/21 02:05	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		04/06/21 02:05	91-20-3	
Styrene	**<3.0**	ug/L	10.0	3.0	1		04/06/21 02:05	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: MW-8 **Lab ID: 40224429015** Collected: 04/01/21 10:10 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Tetrachloroethene	**6.6**	ug/L	1.1	0.33	1		04/06/21 02:05	127-18-4	
Toluene	**<0.27**	ug/L	1.0	0.27	1		04/06/21 02:05	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/06/21 02:05	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		04/06/21 02:05	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/06/21 02:05	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/06/21 02:05	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		04/06/21 02:05	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		04/06/21 02:05	10061-01-5	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/21 02:05	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		04/06/21 02:05	103-65-1	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		04/06/21 02:05	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		04/06/21 02:05	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		04/06/21 02:05	98-06-6	
trans-1,2-Dichloroethene	**<0.46**	ug/L	1.5	0.46	1		04/06/21 02:05	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		04/06/21 02:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/06/21 02:05	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		04/06/21 02:05	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		04/06/21 02:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: PZ-4 **Lab ID: 40224429016** Collected: 04/01/21 10:55 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		04/06/21 02:26	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/06/21 02:26	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		04/06/21 02:26	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		04/06/21 02:26	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		04/06/21 02:26	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		04/06/21 02:26	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		04/06/21 02:26	563-58-6	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		04/06/21 02:26	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		04/06/21 02:26	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/06/21 02:26	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		04/06/21 02:26	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		04/06/21 02:26	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		04/06/21 02:26	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/21 02:26	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		04/06/21 02:26	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		04/06/21 02:26	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		04/06/21 02:26	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		04/06/21 02:26	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		04/06/21 02:26	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		04/06/21 02:26	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		04/06/21 02:26	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		04/06/21 02:26	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		04/06/21 02:26	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		04/06/21 02:26	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		04/06/21 02:26	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/06/21 02:26	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		04/06/21 02:26	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		04/06/21 02:26	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		04/06/21 02:26	74-83-9	
Carbon tetrachloride	**<1.1**	ug/L	3.6	1.1	1		04/06/21 02:26	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/21 02:26	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		04/06/21 02:26	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/06/21 02:26	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		04/06/21 02:26	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		04/06/21 02:26	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		04/06/21 02:26	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		04/06/21 02:26	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		04/06/21 02:26	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		04/06/21 02:26	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		04/06/21 02:26	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		04/06/21 02:26	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		04/06/21 02:26	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		04/06/21 02:26	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		04/06/21 02:26	91-20-3	
Styrene	**<3.0**	ug/L	10.0	3.0	1		04/06/21 02:26	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Sample: PZ-4 **Lab ID: 40224429016** Collected: 04/01/21 10:55 Received: 04/02/21 07:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		04/06/21 02:26	127-18-4	
Toluene	**<0.27**	ug/L	1.0	0.27	1		04/06/21 02:26	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/06/21 02:26	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		04/06/21 02:26	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/06/21 02:26	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/06/21 02:26	1330-20-7	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		04/06/21 02:26	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		04/06/21 02:26	10061-01-5	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/21 02:26	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		04/06/21 02:26	103-65-1	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		04/06/21 02:26	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		04/06/21 02:26	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		04/06/21 02:26	98-06-6	
trans-1,2-Dichloroethene	**<0.46**	ug/L	1.5	0.46	1		04/06/21 02:26	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		04/06/21 02:26	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/06/21 02:26	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		04/06/21 02:26	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		04/06/21 02:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

QC Batch: 381439
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40224429001, 40224429002, 40224429003, 40224429004, 40224429005, 40224429006, 40224429007, 40224429008, 40224429009, 40224429010, 40224429011, 40224429012, 40224429013, 40224429014, 40224429015, 40224429016

METHOD BLANK: 2200301
Matrix: Water
Associated Lab Samples: 40224429001, 40224429002, 40224429003, 40224429004, 40224429005, 40224429006, 40224429007, 40224429008, 40224429009, 40224429010, 40224429011, 40224429012, 40224429013, 40224429014, 40224429015, 40224429016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	04/05/21 16:04	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	04/05/21 16:04	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	04/05/21 16:04	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	04/05/21 16:04	
1,1-Dichloroethane	ug/L	<0.27	1.0	04/05/21 16:04	
1,1-Dichloroethene	ug/L	<0.24	1.0	04/05/21 16:04	
1,1-Dichloropropene	ug/L	<0.54	1.8	04/05/21 16:04	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	04/05/21 16:04	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	04/05/21 16:04	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	04/05/21 16:04	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	04/05/21 16:04	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	04/05/21 16:04	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	04/05/21 16:04	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	04/05/21 16:04	
1,2-Dichloroethane	ug/L	<0.28	1.0	04/05/21 16:04	
1,2-Dichloropropane	ug/L	<0.28	1.0	04/05/21 16:04	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	04/05/21 16:04	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	04/05/21 16:04	
1,3-Dichloropropane	ug/L	<0.83	2.8	04/05/21 16:04	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	04/05/21 16:04	
2,2-Dichloropropane	ug/L	<2.3	7.6	04/05/21 16:04	
2-Chlorotoluene	ug/L	<0.93	5.0	04/05/21 16:04	
4-Chlorotoluene	ug/L	<0.76	2.5	04/05/21 16:04	
Benzene	ug/L	<0.25	1.0	04/05/21 16:04	
Bromobenzene	ug/L	<0.24	1.0	04/05/21 16:04	
Bromochloromethane	ug/L	<0.36	5.0	04/05/21 16:04	
Bromodichloromethane	ug/L	<0.36	1.2	04/05/21 16:04	
Bromoform	ug/L	<4.0	13.2	04/05/21 16:04	
Bromomethane	ug/L	<0.97	5.0	04/05/21 16:04	
Carbon tetrachloride	ug/L	<1.1	3.6	04/05/21 16:04	
Chlorobenzene	ug/L	<0.71	2.4	04/05/21 16:04	
Chloroethane	ug/L	<1.3	5.0	04/05/21 16:04	
Chloroform	ug/L	<1.3	5.0	04/05/21 16:04	
Chloromethane	ug/L	<2.2	7.3	04/05/21 16:04	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	04/05/21 16:04	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	04/05/21 16:04	
Dibromochloromethane	ug/L	<2.6	8.7	04/05/21 16:04	

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: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

METHOD BLANK: 2200301 Matrix: Water

Associated Lab Samples: 40224429001, 40224429002, 40224429003, 40224429004, 40224429005, 40224429006, 40224429007, 40224429008, 40224429009, 40224429010, 40224429011, 40224429012, 40224429013, 40224429014, 40224429015, 40224429016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<0.94	3.1	04/05/21 16:04	
Dichlorodifluoromethane	ug/L	<0.50	5.0	04/05/21 16:04	
Diisopropyl ether	ug/L	<1.9	6.3	04/05/21 16:04	
Ethylbenzene	ug/L	<0.32	1.1	04/05/21 16:04	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	04/05/21 16:04	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	04/05/21 16:04	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	04/05/21 16:04	
Methylene Chloride	ug/L	<0.58	5.0	04/05/21 16:04	
n-Butylbenzene	ug/L	<0.71	2.4	04/05/21 16:04	
n-Propylbenzene	ug/L	<0.81	5.0	04/05/21 16:04	
Naphthalene	ug/L	<1.2	5.0	04/05/21 16:04	
p-Isopropyltoluene	ug/L	<0.80	2.7	04/05/21 16:04	
sec-Butylbenzene	ug/L	<0.85	5.0	04/05/21 16:04	
Styrene	ug/L	<3.0	10.0	04/05/21 16:04	
tert-Butylbenzene	ug/L	<0.30	1.0	04/05/21 16:04	
Tetrachloroethene	ug/L	<0.33	1.1	04/05/21 16:04	
Toluene	ug/L	<0.27	1.0	04/05/21 16:04	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	04/05/21 16:04	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	04/05/21 16:04	
Trichloroethene	ug/L	<0.26	1.0	04/05/21 16:04	
Trichlorofluoromethane	ug/L	<0.21	1.0	04/05/21 16:04	
Vinyl chloride	ug/L	<0.17	1.0	04/05/21 16:04	
Xylene (Total)	ug/L	<1.5	3.0	04/05/21 16:04	
4-Bromofluorobenzene (S)	%	104	70-130	04/05/21 16:04	
Dibromofluoromethane (S)	%	102	70-130	04/05/21 16:04	
Toluene-d8 (S)	%	103	70-130	04/05/21 16:04	

LABORATORY CONTROL SAMPLE: 2200302

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.5	109	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	53.1	106	66-130	
1,1,2-Trichloroethane	ug/L	50	59.1	118	70-130	
1,1-Dichloroethane	ug/L	50	53.6	107	68-132	
1,1-Dichloroethene	ug/L	50	50.0	100	85-126	
1,2,4-Trichlorobenzene	ug/L	50	53.4	107	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	52.9	106	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	55.8	112	70-130	
1,2-Dichlorobenzene	ug/L	50	52.8	106	70-130	
1,2-Dichloroethane	ug/L	50	55.5	111	70-130	
1,2-Dichloropropane	ug/L	50	57.1	114	78-125	
1,3-Dichlorobenzene	ug/L	50	53.3	107	70-130	

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: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

LABORATORY CONTROL SAMPLE: 2200302

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	53.7	107	70-130	
Benzene	ug/L	50	52.4	105	70-132	
Bromodichloromethane	ug/L	50	58.7	117	70-130	
Bromoform	ug/L	50	58.1	116	65-130	
Bromomethane	ug/L	50	43.7	87	44-128	
Carbon tetrachloride	ug/L	50	58.7	117	70-130	
Chlorobenzene	ug/L	50	58.2	116	70-130	
Chloroethane	ug/L	50	49.9	100	73-137	
Chloroform	ug/L	50	55.0	110	80-122	
Chloromethane	ug/L	50	41.7	83	27-148	
cis-1,2-Dichloroethene	ug/L	50	52.0	104	70-130	
cis-1,3-Dichloropropene	ug/L	50	57.0	114	70-130	
Dibromochloromethane	ug/L	50	53.1	106	70-130	
Dichlorodifluoromethane	ug/L	50	39.4	79	22-151	
Ethylbenzene	ug/L	50	57.6	115	80-123	
Isopropylbenzene (Cumene)	ug/L	50	57.2	114	70-130	
Methyl-tert-butyl ether	ug/L	50	51.8	104	66-130	
Methylene Chloride	ug/L	50	49.4	99	70-130	
Styrene	ug/L	50	58.0	116	70-130	
Tetrachloroethene	ug/L	50	59.2	118	70-130	
Toluene	ug/L	50	56.3	113	80-121	
trans-1,2-Dichloroethene	ug/L	50	49.0	98	70-130	
trans-1,3-Dichloropropene	ug/L	50	57.6	115	58-125	
Trichloroethene	ug/L	50	60.9	122	70-130	
Trichlorofluoromethane	ug/L	50	56.8	114	84-148	
Vinyl chloride	ug/L	50	46.5	93	63-142	
Xylene (Total)	ug/L	150	171	114	70-130	
4-Bromofluorobenzene (S)	%			109	70-130	
Dibromofluoromethane (S)	%			102	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2200553 2200554

Parameter	Units	40224429010 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	<0.24	50	50	53.2	51.6	106	103	70-130	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	51.3	48.2	103	96	66-130	6	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	55.0	53.8	110	108	70-130	2	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	51.6	49.9	103	100	68-132	3	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	48.5	48.3	97	97	76-132	1	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	50.5	49.5	101	99	70-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	47.2	48.2	94	96	51-126	2	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	52.0	50.6	104	101	70-130	3	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	51.2	49.0	102	98	70-130	4	20	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2200553 2200554

Parameter	Units	40224429010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	<0.28	50	50	52.5	51.7	105	103	70-130	2	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	54.0	54.6	108	109	77-125	1	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	51.0	48.7	102	97	70-130	5	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	51.2	50.0	102	100	70-130	3	20	
Benzene	ug/L	<0.25	50	50	50.5	48.7	101	97	70-132	4	20	
Bromodichloromethane	ug/L	<0.36	50	50	55.0	53.1	110	106	70-130	3	20	
Bromoform	ug/L	<4.0	50	50	55.5	53.0	111	106	65-130	4	20	
Bromomethane	ug/L	<0.97	50	50	44.8	43.1	90	86	44-128	4	21	
Carbon tetrachloride	ug/L	<1.1	50	50	57.3	54.8	115	110	70-132	4	20	
Chlorobenzene	ug/L	<0.71	50	50	53.6	53.9	107	108	70-130	0	20	
Chloroethane	ug/L	<1.3	50	50	50.5	49.3	101	99	70-137	2	20	
Chloroform	ug/L	<1.3	50	50	53.0	51.0	106	102	80-122	4	20	
Chloromethane	ug/L	<2.2	50	50	41.6	40.3	83	81	17-149	3	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	51.3	49.0	103	98	70-130	5	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	55.7	53.5	111	107	70-130	4	20	
Dibromochloromethane	ug/L	<2.6	50	50	49.7	48.8	99	98	70-130	2	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	39.4	38.5	79	77	22-158	2	20	
Ethylbenzene	ug/L	<0.32	50	50	53.5	53.0	107	106	80-123	1	20	
Isopropylbenzene (Cumene)	ug/L	<1.7	50	50	53.3	52.4	107	105	70-130	2	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	50.0	47.3	100	95	66-130	6	20	
Methylene Chloride	ug/L	<0.58	50	50	48.3	47.4	97	95	70-130	2	20	
Styrene	ug/L	<3.0	50	50	55.2	53.5	110	107	70-130	3	20	
Tetrachloroethene	ug/L	<0.33	50	50	55.1	53.6	110	107	70-130	3	20	
Toluene	ug/L	<0.27	50	50	52.6	51.6	105	103	80-121	2	20	
trans-1,2-Dichloroethene	ug/L	<0.46	50	50	48.8	48.2	98	96	70-134	1	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	53.9	52.5	108	105	58-130	3	20	
Trichloroethene	ug/L	<0.26	50	50	58.8	57.0	118	114	70-130	3	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	55.9	53.3	112	107	82-151	5	20	
Vinyl chloride	ug/L	<0.17	50	50	46.1	45.7	92	91	61-143	1	20	
Xylene (Total)	ug/L	<1.5	150	150	159	157	106	104	70-130	1	20	
4-Bromofluorobenzene (S)	%						107	107	70-130			
Dibromofluoromethane (S)	%						103	100	70-130			
Toluene-d8 (S)	%						102	104	70-130			

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

QUALIFIERS

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 25220211.00 FMR HIGHWAY CLEAN
Pace Project No.: 40224429

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40224429001	**MW-1**	EPA 8260	381439		
40224429002	**PZ-1**	EPA 8260	381439		
40224429003	**MW-2**	EPA 8260	381439		
40224429004	**MW-3**	EPA 8260	381439		
40224429005	**MW-5**	EPA 8260	381439		
40224429006	**MW-4**	EPA 8260	381439		
40224429007	**MW-10**	EPA 8260	381439		
40224429008	**PZ-10**	EPA 8260	381439		
40224429009	**MW-11**	EPA 8260	381439		
40224429010	**PZ-11**	EPA 8260	381439		
40224429011	**MW-9**	EPA 8260	381439		
40224429012	**MW-6**	EPA 8260	381439		
40224429013	**TRIP BLANK**	EPA 8260	381439		
40224429014	**MW-12**	EPA 8260	381439		
40224429015	**MW-8**	EPA 8260	381439		
40224429016	**PZ-4**	EPA 8260	381439		

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

Page 1 of

40224429

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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:	SCS Engineers
Branch/Location:	Madison, WI.
Project Contact:	Tony Kollasch
Phone:	608-224-2830
Project Number:	25220211.00
Project Name:	Former Highway Cleaners
Project State:	Wisconsin
Sampled By (Print):	Adam Watson
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Tony Kollasch
Mail To Company:	SCS Engineers
Mail To Address:	TKollasch@scsengineers.com
Invoice To Contact:	
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
SI = Sludge	WP = Wipe

FILTERED? (YES/NO) — Y/N: N
PRESERVATION (CODE)* — Pick Letter: B
Analyses Requested: Voc WI list 8260

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	MW-1	3/31/21	955	W			
002	PZ-1		1040	W			
003	MW-2		1125	W			
004	MW-3		1230	W			
005	MW-5		1312	W			
006	MW-4		1455	W			
007	MW-10		1545	W			
008	PZ-10		1600	W			
009	MW-11		1710	W			
010	PZ-11		1715	W			
011	MW-9		1815	W			
012	MW-6	"	1915	W			
013	Trip Blank						

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:
Adam Watson	4/1/2021 1600		
Logistics	4/2/21 0725	Susan Miller	4/2/21 0725
		Fed Ex	

PACE Project No.: 40224429
Receipt Temp = 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

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

Pace Analytical®
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CHAIN OF CUSTODY

40224429

(Please Print Clearly)	
Company Name:	SCS Engineers
Branch/Location:	Madison, WI.
Project Contact:	Tony Kollasch
Phone:	608-224-2830
Project Number:	25220211.00
Project Name:	Farmer Highway Cleaners
Project State:	Wisconsin
Sampled By (Print):	Adam Watson
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	~~Tony Kollasch~~
Mail To Contact:	Tony Kollasch
Mail To Company:	SCS Engineers
Mail To Address:	TKollascho scsengineers.com
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

*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

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)	PRESERVATION (CODE)*	Analyses Requested: VOC WI list 8260	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					Y/N	Pick Letter				
014	MW-12	4/1/21	840	W	N	B	X			
015	MW-8	↓	1010	W			X			
016	MW-4	↓	1055	W			X			

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:
Adam Watson	4/1/2021 1600		
CS Logistics	4/2/21 0725	[signature] Pace	4/2/21 0725

PACE Project No. 40224429
Receipt Temp = 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: SCS Engineers

Sample Preservation Receipt Form

Project # 40224429

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																	3															2.5 / 5 / 10
002																	3															2.5 / 5 / 10
003																	3															2.5 / 5 / 10
004																	3															2.5 / 5 / 10
005																	3															2.5 / 5 / 10
006																	3															2.5 / 5 / 10
007																	3															2.5 / 5 / 10
008																	3															2.5 / 5 / 10
009																	3															2.5 / 5 / 10
010																	3															2.5 / 5 / 10
011																	3															2.5 / 5 / 10
012																	3															2.5 / 5 / 10
013																	2															2.5 / 5 / 10
014																	3															2.5 / 5 / 10
015																	3															2.5 / 5 / 10
016																	3															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 ☐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: SCS

Project #:

WO#: 40224429

40224429

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

Tracking #: _____

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 - 104 **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 1 /Corr: 1

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

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

Person examining contents:
Date: 4-2-21 /Initials: SCW

Labeled By Initials: _____

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☑No ☐N/A	2. Pg # 4-2-21 SCW
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: W	☐Yes ☑No ☐N/A	12. 016 - FD is PZ4; date + time matched. 4-2-21 SCW
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 459		

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 B

Boring Logs and Well Construction Forms

State of Wisconsin
Department of Natural Resources

Route To:
☐ Watershed/Wastewater
☐ Remediation/Redev.
☐ Waste Management
☐ Other _____

SOIL BORING LOG INFORMATION
Form 4400-122 7-98
Revised by SCS 1-2016

Facility/Project Name: Former Highway Cleaners SCS # 25220211.01	License/Permit/Monitoring Number		Boring Number: SVE-1
Boring Drilled By (Firm name and name of crew chief): Soil Essentials	Drilling Started: 4/19/2021	Drilling Completed	Drilling Method: Direct Push
DNR Facility Well No. / WI Unique Well No. / Common Well Name	Static Water Level	Surface Elevation	Borehole Diam.: 2
Boring Location: State Plane 1/4 of 1/4 of Section , T. N, R.	Lat. / Long.	Local Grid Location (If applicable): N., E.	
County: Grant	DNR County Code	Civil Town/City/or Village: Boscobel	

Sample Number	Sample Length Recovered	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Soil Properties: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: P200	RQD/ Comments
S1				6" topsoil, brown	OL			0.2		M		
				3" poorly graded sand, F-M, light brown	SP							
				9" poorly graded sand F-M, brown	SP							
				8" dark brown clay, some mottling	CH							
S2				6" grey clay	CH			0.1		M		
S3			5	7" grey clay	CH			0.1		M		
				Poorly graded sand, F-M, brown	SP							
S4								0.1		M		
S5			10					0.1		M		
S6								0.1		M		
S7			15					0.1		M		
S8				2" Poorly graded sand + gravel, F-C, brown	SP			0.1		M		

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

Signature: [signature] Firm: SCS ENGINEERS

Department of Natural Resources | Form 4400-122A | 10-92

Boring Number | Use only as an attachment to Form 4400-122. | Page 2

Sample Number	Sample Length Recovered	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Soil Properties: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: P200	RQD/ Comments
S9	28"			Poorly graded sand, tan, F-C	SP			0.0		M		
S10								0.0		M		
			25	white/tan, Fine								
S11	27"			tan, F-C				0.1		M		
S12								0.1		W		▽ 29'
			30									
S13	12"							0.1		W		
				EOB @ 32.5'								
				Water table @ 29'								
			35									

State of Wisconsin
Department of Natural Resources

Route To:
☐ Watershed/Wastewater
☐ Remediation/Redev.
☐ Waste Management ☐ Other _____

SOIL BORING LOG INFORMATION
Form 4400-122 7-98
Revised by SCS 1-2016

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Highway Cleaners SCS # 25220211.01		SVE-2

Boring Drilled By (Firm name and name of crew chief)	Drilling Started	Drilling Completed	Drilling Method
Soil Essentials	4/19/2021		Direct Push

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Static Water Level	Surface Elevation	Borehole Diam.
					2

Boring Location State Plane 1/4 of 1/4 of Section , T. N, R.	Lat. Long.	Local Grid Location (If applicable) N., E.

County	DNR County Code	Civil Town/City/or Village
Grant		Boscobel

Sample Number	Sample Length Recovered	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Soil Properties: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: P200	RQD/ Comments
S1	34"			8" topsoil, brown	OL			0.1		M		
				11" Poorly graded sand, brown, Fine	SP							
				7" dark brown clay w/roots	CH							
S2				grey clay w/ some mottling	CH			0.0		M		
			5									
S3	37"			Poorly graded Sand, tan / light brown, Fine	SP			0.0		M		
S4								0.1		M		
			10									
S5	29"							0.1		M		
S6								0.1		M		
			15	F-A1								
S7	28"							0.1		M		
S8								0.1		M		

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

Signature [signature] Firm SCS ENGINEERS

Department of Natural Resources | Form 4400-122A | 10-92

Boring Number | Use only as an attachment to Form 4400-122. | Page 2

Sample Number	Sample Length Recovered	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Soil Properties: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: P200	RQD/ Comments
S9	26"			Poorly graded sand, tan/light brown, f-m	SP			0.2		M		
S10								0.1		M		
			25	Fine.								
S11	30"							0.2		M		
S12								0.1		W		▽ 29'
			30	Poorly graded sand + gravel, dark brown, f-c	SP							
S13	20"							0.1		W		
				EOB @ 32.5' Water table @29'								
			35									

State of Wisconsin
Department of Natural Resources

Route To:
☐ Watershed/Wastewater
☐ Remediation/Redev.
☐ Waste Management
☐ Other _____

SOIL BORING LOG INFORMATION
Form 4400-122 7-98
Revised by SCS 1-2016

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Highway Cleaners SCS # 25220211.01		SUE3

Boring Drilled By (Firm name and name of crew chief)	Drilling Started	Drilling Completed	Drilling Method
Soil Essentials	4/19/2021		Direct Push

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Static Water Level	Surface Elevation	Borehole Diam.
					2

Boring Location State Plane	Lat. Long.	Local Grid Location (If applicable)
1/4 of 1/4 of Section , T. N, R.		N., E.

County	DNR County Code	Civil Town/City/or Village
Grant		Boscobel

Sample Number	Sample Length Recovered	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Soil Properties: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: P200	RQD/ Comments
S1	30"		0	8" topsoil, brown	OL			0.3		M		
				12" Poorly graded Sand, F-M, tan	SP							
				6" clay, dark brown, some rootlets	CH							
S2				Clay, light brown w/ mottling	CH			0.2		M		
			5									
S3	34"			Poorly graded Sand, F-M, tan	SP			0.2		M		
S4								0.2		M		
			10									
S5	33"							0.2		M		
S6								0.2		M		
			15									
S7	26"							0.1		M		
S8								0.1		M		

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

Signature	Firm
	SCS ENGINEERS

Department of Natural Resources | Form 4400-122A | 10-92

Boring Number | Use only as an attachment to Form 4400-122. | Page 2

Sample Number	Sample Length Recovered	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Soil Properties: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: P200	RQD/ Comments
S9	27"			Poorly graded sand, tan, F-M 2 large pieces of gravel at 20'	SP			0.1		M		
S10			25	fine, white/tan				0.1		M		
S11	35"							0.1		M		
S12			30					0.1		W		▽ 29'
S13	0"			No recovery beyond 30'	N/A			N/A		W		
			35	EOB @ 32.5' Water @ 29'								

SCS # 25220211.01

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Former Highway Cleaners	Local Grid Location of Well ☐N. ☐S. ____ ft. ☐E. ☐W. ____ ft.	Well Name: SVE-1
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.	DNR Well ID No.
Facility ID	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 04 / 20 / 2021 (m m d d y y y y)
Type of Well: Well Code 57 / SV	Section Location of Waste/Source: ____ 1/4 of ____ 1/4 of Sec. ____, T. ____ N, R. ____ ☐E ☐W	Well Installed By: Name (first, last) and Firm: Corey Johnson, Soil Essentials
Distance from Waste/Source ____ ft.	Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☒ 41 Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe N/A

17. Source of water (attach analysis, if required):
N/A

E. Bentonite seal, top _____ ft. MSL or 1.5 ft.

F. Fine sand, top _____ ft. MSL or -- ft.

G. Filter pack, top _____ ft. MSL or 4.1 ft.

H. Screen joint, top _____ ft. MSL or 5.0 ft.

I. Well bottom _____ ft. MSL or 32.0 ft.

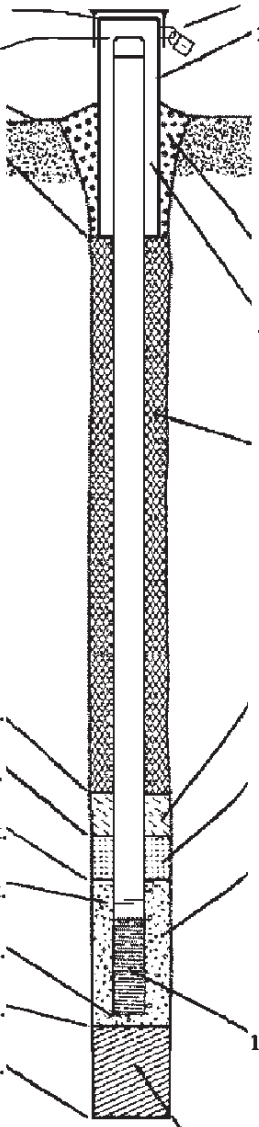
J. Filter pack, bottom _____ ft. MSL or 32.5 ft.

K. Borehole, bottom _____ ft. MSL or 32.5 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.01 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04 Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: N/A

3. Surface seal: Bentonite ☐ 30 Concrete ☐ 01 Other ☒
Native Soil

4. Material between well casing and protective pipe: Bentonite ☐ 30 Other ☒
RW Sidley #5 Sand

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 1.5 Bags Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. RW Sidley #5 ☐
b. Volume added 14.5 Bags ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. RW Sidley #5 ☐
b. Volume added -- ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 27.0 ft.

11. Backfill material (below filter pack): None ☐ 14
RW Sidley #5 Sand Other ☒

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

Signature	Firm
	SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

SCS # 25220211.01

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Former Highway Cleaners	Local Grid Location of Well ☐N. ☐S. ft. ☐E. ☐W. ft.	Well Name: SVE-2
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well ID No.
Facility ID	St. Plane ft. N, ft. E. S/C/N	Date Well Installed: 04 / 19 / 2021 (m m d d y y y y)
Type of Well: Well Code 57 / SV	Section Location of Waste/Source: 1/4 of 1/4 of Sec, T. N, R. ☐E ☐W	Well Installed By: Name (first, last) and Firm: Corey Johnson / Soil Essentials
Distance from Waste/Source ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation ft. MSL

B. Well casing, top elevation ft. MSL

C. Land surface elevation ft. MSL

D. Surface seal, bottom ft. MSL or ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / Other ☐

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe N/A

17. Source of water (attach analysis, if required):
N/A

E. Bentonite seal, top ft. MSL or 1.5 ft.

F. Fine sand, top ft. MSL or -- ft.

G. Filter pack, top ft. MSL or 4.0 ft.

H. Screen joint, top ft. MSL or 5.0 ft.

I. Well bottom ft. MSL or 32.0 ft.

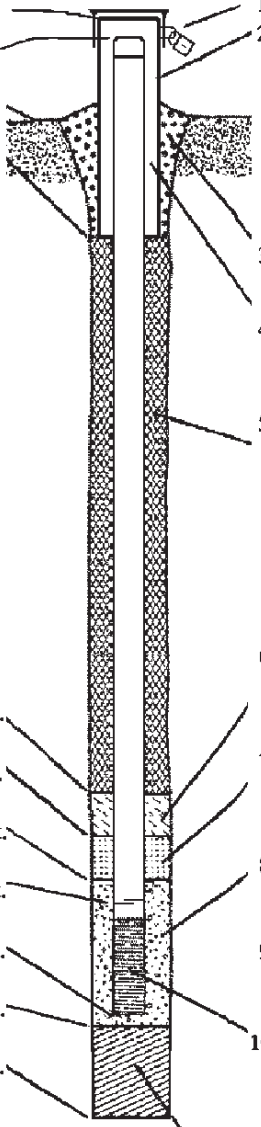
J. Filter pack, bottom ft. MSL or 32.5 ft.

K. Borehole, bottom ft. MSL or 32.5 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.01 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04 / Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: N/A

3. Surface seal: Bentonite ☐ 30 / Concrete ☐ 01 / Other ☒
Native Soil

4. Material between well casing and protective pipe: Bentonite ☐ 30 / Other ☒
RW Sidley #5 Sand

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 1.5 Bags Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. ____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. RW Sidley #5 ☐
b. Volume added 14.25 Bags ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. RW Sidley #5 ☐
b. Volume added -- ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 27.0 ft.

11. Backfill material (below filter pack): None ☐ 14 / Other ☒
RW Sidley #5 Sand

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

Signature	Firm
	SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

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SCS # 25220211.01

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Former Highway Cleaners	Local Grid Location of Well ☐ N. ☐ S. ____ ft. ☐ E. ☐ W. ____ ft.	Well Name: SVE-3
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.	DNR Well ID No.
Facility ID	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 04 / 19 / 2021 (m m d d y y y y)
Type of Well: Well Code 57 / SV	Section Location of Waste/Source: ____ 1/4 of ____ 1/4 of Sec. ____, T. ____ N, R. ____ ☐ E ☐ W	Well Installed By: Name (first, last) and Firm: Corey Johnson, Soil Essentials
Distance from Waste/Source ____ ft.	Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☒ 41 Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe N/A

17. Source of water (attach analysis, if required):
N/A

E. Bentonite seal, top _____ ft. MSL or 1.5 ft.

F. Fine sand, top _____ ft. MSL or -- ft.

G. Filter pack, top _____ ft. MSL or 4.0 ft.

H. Screen joint, top _____ ft. MSL or 5.0 ft.

I. Well bottom _____ ft. MSL or 32.0 ft.

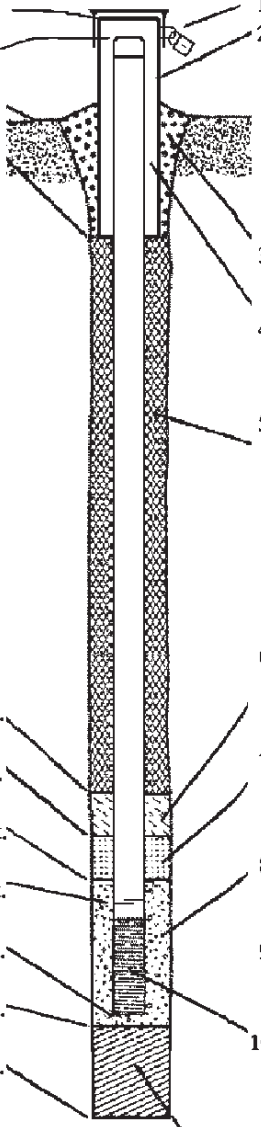
J. Filter pack, bottom _____ ft. MSL or 32.5 ft.

K. Borehole, bottom _____ ft. MSL or 32.5 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.01 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04 Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: N/A

3. Surface seal: Bentonite ☐ 30 Concrete ☐ 01 Other ☒
Native Soil

4. Material between well casing and protective pipe: Bentonite ☐ 30 Other ☒
RW Sidley #5 Sand

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 1.5 Bags Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. RW Sidley #5 ☐
b. Volume added 14.0 Bags ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. RW Sidley #5 ☐
b. Volume added -- ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 27.0 ft.

11. Backfill material (below filter pack): None ☐ 14 Other ☒
RW Sidley #5 Sand

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

Signature	Firm
	SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

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Attachment C

Pilot Test Photographs

Former Highway Cleaners
1509 Elm Street, Boscobel, Wisconsin
SCS Engineers Project #25220211.01

Photo 1: SVE blower for SVE pilot test set up on well SVE-2.
May 3, 2021

Attachment D

Field Sheets

SVE Pilot Test
Former Highway Cleaners
1509 Elm Street, Boscobel, Wisconsin

Date: 5/3/21 Weather: Cloudy 65°

Personnel:	Keith Galka, Adam Watson
Time of start of SVE test:	10:40
Time of end of SVE test:	14:30

Blower Information:

Time:	10:45	10:55	11:15	1145	1215	1245	1:30	
Flowrate:	9 FPM		8.0	8.5	8.0	8.0	8.0	
Vacuum:	-9.33		-9.81		-10.00	-10.06	10.20	
PID:	6.7	6.8	6.8	6.6	6.2	6.2	6.2	

Time:								
Flowrate:								
Vacuum:								
PID:								

Time:								
Flowrate:								
Vacuum:								
PID:								

Vacuum Monitoring Points PID

Time:	10:21	10:21	1050	1115	1145	12:40	1:30	
SVE-1	+0.025	0.6	-1.45	-1.75	-1.85	1.92	2.01	
SVE-3	~~-0.018~~	~~0.405~~	~~-0.45~~	-1.45	-1.54	1.58	1.68	
MW-2	+0.018	0.4	-0.45	-0.82	-0.91	0.94	1.06	
SVE2	+0.019	0.5	-1.13					

+.006

Samples Taken:

Location:	Blower	Blower	Blower	Blower
Sample ID:	SVE2-15min	SVE2-1HR	SVE2 - 2HR	SVE2 - 4HR
Time:	10 39	1140	1240	1440
Method:	1 Lt. Summa	1 Lt Summa	1 Lt Summa	1 Lt. Summa

Notes: Arrive @ 9:55

Depth to Water: SVE1 29.08
SVE2 28.45
SVE3 28.68

Lost Power at 14:30. The carriage house was closed so could not get in to look at breaker box.

Leave site @ 1445

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.

49051

Page: of

Section A Required Client Information:

Company: SCS Engineers
Address: 2830 Dairy Dr
MADISON WI 53718
Email To: kgilkey@scsengineers.com
Phone: 608 4692753 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Keith Gilkey
Copy To:
Purchase Order No.:
Project Name: Former Highway Cleaners
Project Number: 25220211.01

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #: 42730

Program: ☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act ☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other

Location of Sampling by State:

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	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	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	SVE2-15min					5/3/21	1055	-29	-9	2593	KG~~55~~					X					
2	SVE2-1HR					5/3/21	1140	-30	-5	3093						X					
3	SVE2-2HR					5/3/21	1240	-30	-7.5	3244	1686					X					
4																~~X~~ KG					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Comments :

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Keith Gilkey	5/3/21	1710			

SAMPLE CONDITIONS

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	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	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Keith Gilkey

SIGNATURE of SAMPLER: Keith Gilkey

DATE Signed (MM / DD / YY): 05/03/21

ORIGINAL

Attachment E

Blower Exhaust Analytical Results

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

May 17, 2021

Keith Gilkey
SCS Engineers
2830 Dairy Drive
Madison, WI 53718

RE: Project: 25220211.01 Former Highway Cle
Pace Project No.: 10558748

Dear Keith Gilkey:

Enclosed are the analytical results for sample(s) received by the laboratory on May 05, 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,

Kirsten Hogberg
kirsten.hogberg@pacelabs.com
(612)607-1700
Project Manager

Enclosures

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 25220211.01 Former Highway Cle
Pace Project No.: 10558748

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
A2LA Certification #: 2926.01*
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: 25220211.01 Former Highway Cle
Pace Project No.: 10558748

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10558748001	**SVEZ - 15 Min**	Air	05/03/21 10:55	05/05/21 16:20
10558748002	**SVEZ - 1 HR**	Air	05/03/21 11:40	05/05/21 16:20
10558748003	**SVEZ - 2 HR**	Air	05/03/21 12:40	05/05/21 16:20
10558748004	**Unused Canister #2440**	Air		05/05/21 16:20

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 25220211.01 Former Highway Cle
Pace Project No.: 10558748

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10558748001	**SVEZ - 15 Min**	TO-15	AJA, CH1	62	PASI-M
10558748002	**SVEZ - 1 HR**	TO-15	AJA, CH1	62	PASI-M
10558748003	**SVEZ - 2 HR**	TO-15	AJA, CH1	62	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SUMMARY OF DETECTION

Project: 25220211.01 Former Highway Cle
Pace Project No.: 10558748

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
10558748001	**SVEZ - 15 Min**					
TO-15	Acetone	74.3	ug/m3	14.2	05/15/21 05:01	
TO-15	Benzene	0.58J	ug/m3	0.76	05/15/21 05:01	
TO-15	2-Butanone (MEK)	6.1J	ug/m3	7.0	05/15/21 05:01	
TO-15	Carbon disulfide	2.4	ug/m3	1.5	05/15/21 05:01	
TO-15	Cyclohexane	1.2J	ug/m3	4.1	05/15/21 05:01	
TO-15	Dichlorodifluoromethane	293	ug/m3	2.4	05/15/21 05:01	
TO-15	cis-1,2-Dichloroethene	1.8J	ug/m3	1.9	05/15/21 05:01	
TO-15	Ethanol	14.0	ug/m3	4.5	05/15/21 05:01	
TO-15	Ethylbenzene	1.4J	ug/m3	2.1	05/15/21 05:01	
TO-15	4-Ethyltoluene	2.6J	ug/m3	5.9	05/15/21 05:01	
TO-15	n-Heptane	1.2J	ug/m3	2.0	05/15/21 05:01	
TO-15	n-Hexane	1.0J	ug/m3	1.7	05/15/21 05:01	
TO-15	2-Hexanone	1.1J	ug/m3	9.8	05/15/21 05:01	
TO-15	4-Methyl-2-pentanone (MIBK)	1.0J	ug/m3	9.8	05/15/21 05:01	
TO-15	2-Propanol	18.7	ug/m3	5.9	05/15/21 05:01	
TO-15	Styrene	419J	ug/m3	488	05/16/21 19:14	
TO-15	Tetrachloroethene	22400	ug/m3	389	05/16/21 19:14	
TO-15	Tetrahydrofuran	0.73J	ug/m3	1.4	05/15/21 05:01	
TO-15	Toluene	12.7	ug/m3	1.8	05/15/21 05:01	
TO-15	1,1,1-Trichloroethane	2.3J	ug/m3	2.6	05/15/21 05:01	
TO-15	Trichloroethene	12.8	ug/m3	1.3	05/15/21 05:01	
TO-15	Trichlorofluoromethane	3.2	ug/m3	2.7	05/15/21 05:01	
TO-15	1,2,4-Trimethylbenzene	5.4	ug/m3	2.3	05/15/21 05:01	
TO-15	1,3,5-Trimethylbenzene	1.9J	ug/m3	2.3	05/15/21 05:01	
TO-15	Xylene (Total)	14.2	ug/m3	6.2	05/15/21 05:01	
TO-15	m&p-Xylene	9.9	ug/m3	4.2	05/15/21 05:01	
TO-15	o-Xylene	4.3	ug/m3	2.1	05/15/21 05:01	
10558748002	**SVEZ - 1 HR**					
TO-15	Acetone	14.9	ug/m3	13.5	05/15/21 06:18	
TO-15	Benzene	0.51J	ug/m3	0.73	05/15/21 06:18	
TO-15	2-Butanone (MEK)	9.3	ug/m3	6.7	05/15/21 06:18	
TO-15	Chlorobenzene	0.38J	ug/m3	2.1	05/15/21 06:18	
TO-15	Dichlorodifluoromethane	310	ug/m3	2.3	05/15/21 06:18	
TO-15	cis-1,2-Dichloroethene	2.0	ug/m3	1.8	05/15/21 06:18	
TO-15	Ethanol	19.1	ug/m3	4.3	05/15/21 06:18	
TO-15	Ethyl acetate	0.94J	ug/m3	1.6	05/15/21 06:18	
TO-15	Ethylbenzene	0.80J	ug/m3	2.0	05/15/21 06:18	
TO-15	4-Ethyltoluene	2.3J	ug/m3	5.6	05/15/21 06:18	
TO-15	n-Hexane	1.2J	ug/m3	1.6	05/15/21 06:18	
TO-15	2-Hexanone	1.2J	ug/m3	9.3	05/15/21 06:18	
TO-15	4-Methyl-2-pentanone (MIBK)	0.89J	ug/m3	9.3	05/15/21 06:18	
TO-15	2-Propanol	3.0J	ug/m3	5.6	05/15/21 06:18	
TO-15	Styrene	407J	ug/m3	466	05/16/21 19:47	
TO-15	Tetrachloroethene	26900	ug/m3	370	05/16/21 19:47	
TO-15	Tetrahydrofuran	0.47J	ug/m3	1.3	05/15/21 06:18	
TO-15	Toluene	9.3	ug/m3	1.7	05/15/21 06:18	
TO-15	1,1,1-Trichloroethane	2.9	ug/m3	2.5	05/15/21 06:18	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SUMMARY OF DETECTION

Project: 25220211.01 Former Highway Cle
Pace Project No.: 10558748

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
10558748002	**SVEZ - 1 HR**					
TO-15	Trichloroethene	13.3	ug/m3	1.2	05/15/21 06:18	
TO-15	Trichlorofluoromethane	3.4	ug/m3	2.6	05/15/21 06:18	
TO-15	1,2,4-Trimethylbenzene	4.1	ug/m3	2.2	05/15/21 06:18	
TO-15	1,3,5-Trimethylbenzene	1.4J	ug/m3	2.2	05/15/21 06:18	
TO-15	Xylene (Total)	9.6	ug/m3	5.9	05/15/21 06:18	
TO-15	m&p-Xylene	6.7	ug/m3	4.0	05/15/21 06:18	
TO-15	o-Xylene	2.9	ug/m3	2.0	05/15/21 06:18	
10558748003	**SVEZ - 2 HR**					
TO-15	Acetone	9.2J	ug/m3	13.2	05/15/21 05:40	
TO-15	2-Butanone (MEK)	5.0J	ug/m3	6.6	05/15/21 05:40	
TO-15	Dichlorodifluoromethane	313	ug/m3	2.2	05/15/21 05:40	
TO-15	cis-1,2-Dichloroethene	2.1	ug/m3	1.8	05/15/21 05:40	
TO-15	Ethanol	6.0	ug/m3	4.2	05/15/21 05:40	
TO-15	4-Ethyltoluene	1.1J	ug/m3	5.5	05/15/21 05:40	
TO-15	n-Heptane	0.89J	ug/m3	1.8	05/15/21 05:40	
TO-15	n-Hexane	0.53J	ug/m3	1.6	05/15/21 05:40	
TO-15	2-Propanol	1.8J	ug/m3	5.5	05/15/21 05:40	
TO-15	Styrene	253	ug/m3	1.9	05/15/21 05:40	
TO-15	Tetrachloroethene	9720	ug/m3	165	05/16/21 20:21	
TO-15	Toluene	5.5	ug/m3	1.7	05/15/21 05:40	
TO-15	1,1,1-Trichloroethane	2.3J	ug/m3	2.4	05/15/21 05:40	
TO-15	Trichloroethene	11.9	ug/m3	1.2	05/15/21 05:40	
TO-15	Trichlorofluoromethane	3.4	ug/m3	2.5	05/15/21 05:40	
TO-15	1,2,4-Trimethylbenzene	2.4	ug/m3	2.2	05/15/21 05:40	
TO-15	1,3,5-Trimethylbenzene	0.88J	ug/m3	2.2	05/15/21 05:40	
TO-15	Xylene (Total)	5.9	ug/m3	5.8	05/15/21 05:40	
TO-15	m&p-Xylene	4.1	ug/m3	3.9	05/15/21 05:40	
TO-15	o-Xylene	1.8J	ug/m3	1.9	05/15/21 05:40	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 25220211.01 Former Highway Cle
Pace Project No.: 10558748

Sample: SVEZ - 15 Min **Lab ID: 10558748001** Collected: 05/03/21 10:55 Received: 05/05/21 16:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Acetone	**74.3**	ug/m3	14.2	4.3	2.35		05/15/21 05:01	67-64-1	
Benzene	**0.58J**	ug/m3	0.76	0.27	2.35		05/15/21 05:01	71-43-2	
Benzyl chloride	**<2.1**	ug/m3	6.2	2.1	2.35		05/15/21 05:01	100-44-7	
Bromodichloromethane	**<0.56**	ug/m3	3.2	0.56	2.35		05/15/21 05:01	75-27-4	
Bromoform	**<3.8**	ug/m3	12.3	3.8	2.35		05/15/21 05:01	75-25-2	
Bromomethane	**<0.35**	ug/m3	1.9	0.35	2.35		05/15/21 05:01	74-83-9	
1,3-Butadiene	**<0.28**	ug/m3	1.1	0.28	2.35		05/15/21 05:01	106-99-0	
2-Butanone (MEK)	**6.1J**	ug/m3	7.0	1.1	2.35		05/15/21 05:01	78-93-3	
Carbon disulfide	**2.4**	ug/m3	1.5	0.30	2.35		05/15/21 05:01	75-15-0	
Carbon tetrachloride	**<0.66**	ug/m3	3.0	0.66	2.35		05/15/21 05:01	56-23-5	
Chlorobenzene	**<0.36**	ug/m3	2.2	0.36	2.35		05/15/21 05:01	108-90-7	
Chloroethane	**<0.53**	ug/m3	1.3	0.53	2.35		05/15/21 05:01	75-00-3	
Chloroform	**<0.43**	ug/m3	1.2	0.43	2.35		05/15/21 05:01	67-66-3	
Chloromethane	**<0.20**	ug/m3	0.99	0.20	2.35		05/15/21 05:01	74-87-3	
Cyclohexane	**1.2J**	ug/m3	4.1	0.52	2.35		05/15/21 05:01	110-82-7	
Dibromochloromethane	**<1.2**	ug/m3	4.1	1.2	2.35		05/15/21 05:01	124-48-1	
1,2-Dibromoethane (EDB)	**<0.70**	ug/m3	1.8	0.70	2.35		05/15/21 05:01	106-93-4	
1,2-Dichlorobenzene	**<0.95**	ug/m3	7.2	0.95	2.35		05/15/21 05:01	95-50-1	
1,3-Dichlorobenzene	**<1.2**	ug/m3	7.2	1.2	2.35		05/15/21 05:01	541-73-1	
1,4-Dichlorobenzene	**<2.1**	ug/m3	7.2	2.1	2.35		05/15/21 05:01	106-46-7	
Dichlorodifluoromethane	**293**	ug/m3	2.4	0.44	2.35		05/15/21 05:01	75-71-8	
1,1-Dichloroethane	**<0.39**	ug/m3	1.9	0.39	2.35		05/15/21 05:01	75-34-3	
1,2-Dichloroethane	**<0.46**	ug/m3	1.9	0.46	2.35		05/15/21 05:01	107-06-2	
1,1-Dichloroethene	**<0.32**	ug/m3	1.9	0.32	2.35		05/15/21 05:01	75-35-4	
cis-1,2-Dichloroethene	**1.8J**	ug/m3	1.9	0.46	2.35		05/15/21 05:01	156-59-2	
trans-1,2-Dichloroethene	**<0.39**	ug/m3	1.9	0.39	2.35		05/15/21 05:01	156-60-5	
1,2-Dichloropropane	**<0.63**	ug/m3	2.2	0.63	2.35		05/15/21 05:01	78-87-5	
cis-1,3-Dichloropropene	**<0.60**	ug/m3	5.4	0.60	2.35		05/15/21 05:01	10061-01-5	
trans-1,3-Dichloropropene	**<1.3**	ug/m3	5.4	1.3	2.35		05/15/21 05:01	10061-02-6	
Dichlorotetrafluoroethane	**<0.47**	ug/m3	3.3	0.47	2.35		05/15/21 05:01	76-14-2	
Ethanol	**14.0**	ug/m3	4.5	1.4	2.35		05/15/21 05:01	64-17-5	
Ethyl acetate	**<0.31**	ug/m3	1.7	0.31	2.35		05/15/21 05:01	141-78-6	
Ethylbenzene	**1.4J**	ug/m3	2.1	0.73	2.35		05/15/21 05:01	100-41-4	
4-Ethyltoluene	**2.6J**	ug/m3	5.9	1.1	2.35		05/15/21 05:01	622-96-8	
n-Heptane	**1.2J**	ug/m3	2.0	0.43	2.35		05/15/21 05:01	142-82-5	
Hexachloro-1,3-butadiene	**<2.9**	ug/m3	12.7	2.9	2.35		05/15/21 05:01	87-68-3	
n-Hexane	**1.0J**	ug/m3	1.7	0.45	2.35		05/15/21 05:01	110-54-3	
2-Hexanone	**1.1J**	ug/m3	9.8	1.0	2.35		05/15/21 05:01	591-78-6	
Methylene Chloride	**<1.4**	ug/m3	8.3	1.4	2.35		05/15/21 05:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	**1.0J**	ug/m3	9.8	0.75	2.35		05/15/21 05:01	108-10-1	
Methyl-tert-butyl ether	**<0.30**	ug/m3	8.6	0.30	2.35		05/15/21 05:01	1634-04-4	
Naphthalene	**<5.1**	ug/m3	6.3	5.1	2.35		05/15/21 05:01	91-20-3	
2-Propanol	**18.7**	ug/m3	5.9	1.2	2.35		05/15/21 05:01	67-63-0	
Propylene	**<0.31**	ug/m3	2.1	0.31	2.35		05/15/21 05:01	115-07-1	
Styrene	**419J**	ug/m3	488	217	564		05/16/21 19:14	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 25220211.01 Former Highway Cle
Pace Project No.: 10558748

Sample: SVEZ - 15 Min **Lab ID: 10558748001** Collected: 05/03/21 10:55 Received: 05/05/21 16:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
1,1,2,2-Tetrachloroethane	**<0.87**	ug/m3	3.3	0.87	2.35		05/15/21 05:01	79-34-5	
Tetrachloroethene	**22400**	ug/m3	389	165	564		05/16/21 19:14	127-18-4	
Tetrahydrofuran	**0.73J**	ug/m3	1.4	0.42	2.35		05/15/21 05:01	109-99-9	
Toluene	**12.7**	ug/m3	1.8	0.57	2.35		05/15/21 05:01	108-88-3	
1,2,4-Trichlorobenzene	**<11.5**	ug/m3	17.7	11.5	2.35		05/15/21 05:01	120-82-1	
1,1,1-Trichloroethane	**2.3J**	ug/m3	2.6	0.44	2.35		05/15/21 05:01	71-55-6	
1,1,2-Trichloroethane	**<0.46**	ug/m3	1.3	0.46	2.35		05/15/21 05:01	79-00-5	
Trichloroethene	**12.8**	ug/m3	1.3	0.46	2.35		05/15/21 05:01	79-01-6	
Trichlorofluoromethane	**3.2**	ug/m3	2.7	0.55	2.35		05/15/21 05:01	75-69-4	
1,1,2-Trichlorotrifluoroethane	**<0.68**	ug/m3	3.7	0.68	2.35		05/15/21 05:01	76-13-1	
1,2,4-Trimethylbenzene	**5.4**	ug/m3	2.3	0.83	2.35		05/15/21 05:01	95-63-6	
1,3,5-Trimethylbenzene	**1.9J**	ug/m3	2.3	0.68	2.35		05/15/21 05:01	108-67-8	
Vinyl acetate	**<0.49**	ug/m3	1.7	0.49	2.35		05/15/21 05:01	108-05-4	
Vinyl chloride	**<0.20**	ug/m3	0.61	0.20	2.35		05/15/21 05:01	75-01-4	
Xylene (Total)	**14.2**	ug/m3	6.2	1.5	2.35		05/15/21 05:01	1330-20-7	
m&p-Xylene	**9.9**	ug/m3	4.2	1.5	2.35		05/15/21 05:01	179601-23-1	
o-Xylene	**4.3**	ug/m3	2.1	0.64	2.35		05/15/21 05:01	95-47-6	

Sample: SVEZ - 1 HR **Lab ID: 10558748002** Collected: 05/03/21 11:40 Received: 05/05/21 16:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Acetone	**14.9**	ug/m3	13.5	4.1	2.24		05/15/21 06:18	67-64-1	
Benzene	**0.51J**	ug/m3	0.73	0.26	2.24		05/15/21 06:18	71-43-2	
Benzyl chloride	**<2.0**	ug/m3	5.9	2.0	2.24		05/15/21 06:18	100-44-7	
Bromodichloromethane	**<0.53**	ug/m3	3.0	0.53	2.24		05/15/21 06:18	75-27-4	
Bromoform	**<3.6**	ug/m3	11.8	3.6	2.24		05/15/21 06:18	75-25-2	
Bromomethane	**<0.34**	ug/m3	1.8	0.34	2.24		05/15/21 06:18	74-83-9	
1,3-Butadiene	**<0.27**	ug/m3	1.0	0.27	2.24		05/15/21 06:18	106-99-0	
2-Butanone (MEK)	**9.3**	ug/m3	6.7	1.0	2.24		05/15/21 06:18	78-93-3	
Carbon disulfide	**<0.29**	ug/m3	1.4	0.29	2.24		05/15/21 06:18	75-15-0	
Carbon tetrachloride	**<0.63**	ug/m3	2.9	0.63	2.24		05/15/21 06:18	56-23-5	
Chlorobenzene	**0.38J**	ug/m3	2.1	0.35	2.24		05/15/21 06:18	108-90-7	
Chloroethane	**<0.50**	ug/m3	1.2	0.50	2.24		05/15/21 06:18	75-00-3	
Chloroform	**<0.41**	ug/m3	1.1	0.41	2.24		05/15/21 06:18	67-66-3	
Chloromethane	**<0.19**	ug/m3	0.94	0.19	2.24		05/15/21 06:18	74-87-3	
Cyclohexane	**<0.50**	ug/m3	3.9	0.50	2.24		05/15/21 06:18	110-82-7	
Dibromochloromethane	**<1.2**	ug/m3	3.9	1.2	2.24		05/15/21 06:18	124-48-1	
1,2-Dibromoethane (EDB)	**<0.67**	ug/m3	1.7	0.67	2.24		05/15/21 06:18	106-93-4	
1,2-Dichlorobenzene	**<0.91**	ug/m3	6.9	0.91	2.24		05/15/21 06:18	95-50-1	
1,3-Dichlorobenzene	**<1.1**	ug/m3	6.9	1.1	2.24		05/15/21 06:18	541-73-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 25220211.01 Former Highway Cle
Pace Project No.: 10558748

Sample: SVEZ - 1 HR **Lab ID: 10558748002** Collected: 05/03/21 11:40 Received: 05/05/21 16:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
1,4-Dichlorobenzene	**<2.0**	ug/m3	6.9	2.0	2.24		05/15/21 06:18	106-46-7	
Dichlorodifluoromethane	**310**	ug/m3	2.3	0.42	2.24		05/15/21 06:18	75-71-8	
1,1-Dichloroethane	**<0.37**	ug/m3	1.8	0.37	2.24		05/15/21 06:18	75-34-3	
1,2-Dichloroethane	**<0.43**	ug/m3	1.8	0.43	2.24		05/15/21 06:18	107-06-2	
1,1-Dichloroethene	**<0.31**	ug/m3	1.8	0.31	2.24		05/15/21 06:18	75-35-4	
cis-1,2-Dichloroethene	**2.0**	ug/m3	1.8	0.44	2.24		05/15/21 06:18	156-59-2	
trans-1,2-Dichloroethene	**<0.38**	ug/m3	1.8	0.38	2.24		05/15/21 06:18	156-60-5	
1,2-Dichloropropane	**<0.60**	ug/m3	2.1	0.60	2.24		05/15/21 06:18	78-87-5	
cis-1,3-Dichloropropene	**<0.57**	ug/m3	5.2	0.57	2.24		05/15/21 06:18	10061-01-5	
trans-1,3-Dichloropropene	**<1.2**	ug/m3	5.2	1.2	2.24		05/15/21 06:18	10061-02-6	
Dichlorotetrafluoroethane	**<0.45**	ug/m3	3.2	0.45	2.24		05/15/21 06:18	76-14-2	
Ethanol	**19.1**	ug/m3	4.3	1.3	2.24		05/15/21 06:18	64-17-5	
Ethyl acetate	**0.94J**	ug/m3	1.6	0.29	2.24		05/15/21 06:18	141-78-6	
Ethylbenzene	**0.80J**	ug/m3	2.0	0.69	2.24		05/15/21 06:18	100-41-4	
4-Ethyltoluene	**2.3J**	ug/m3	5.6	1.1	2.24		05/15/21 06:18	622-96-8	
n-Heptane	**<0.41**	ug/m3	1.9	0.41	2.24		05/15/21 06:18	142-82-5	
Hexachloro-1,3-butadiene	**<2.8**	ug/m3	12.1	2.8	2.24		05/15/21 06:18	87-68-3	
n-Hexane	**1.2J**	ug/m3	1.6	0.43	2.24		05/15/21 06:18	110-54-3	
2-Hexanone	**1.2J**	ug/m3	9.3	0.99	2.24		05/15/21 06:18	591-78-6	
Methylene Chloride	**<1.3**	ug/m3	7.9	1.3	2.24		05/15/21 06:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	**0.89J**	ug/m3	9.3	0.72	2.24		05/15/21 06:18	108-10-1	
Methyl-tert-butyl ether	**<0.28**	ug/m3	8.2	0.28	2.24		05/15/21 06:18	1634-04-4	
Naphthalene	**<4.9**	ug/m3	6.0	4.9	2.24		05/15/21 06:18	91-20-3	
2-Propanol	**3.0J**	ug/m3	5.6	1.1	2.24		05/15/21 06:18	67-63-0	
Propylene	**<0.29**	ug/m3	2.0	0.29	2.24		05/15/21 06:18	115-07-1	
Styrene	**407J**	ug/m3	466	207	537.6		05/16/21 19:47	100-42-5	
1,1,2,2-Tetrachloroethane	**<0.83**	ug/m3	3.1	0.83	2.24		05/15/21 06:18	79-34-5	
Tetrachloroethene	**26900**	ug/m3	370	157	537.6		05/16/21 19:47	127-18-4	
Tetrahydrofuran	**0.47J**	ug/m3	1.3	0.40	2.24		05/15/21 06:18	109-99-9	
Toluene	**9.3**	ug/m3	1.7	0.55	2.24		05/15/21 06:18	108-88-3	
1,2,4-Trichlorobenzene	**<10.9**	ug/m3	16.9	10.9	2.24		05/15/21 06:18	120-82-1	
1,1,1-Trichloroethane	**2.9**	ug/m3	2.5	0.42	2.24		05/15/21 06:18	71-55-6	
1,1,2-Trichloroethane	**<0.44**	ug/m3	1.2	0.44	2.24		05/15/21 06:18	79-00-5	
Trichloroethene	**13.3**	ug/m3	1.2	0.44	2.24		05/15/21 06:18	79-01-6	
Trichlorofluoromethane	**3.4**	ug/m3	2.6	0.52	2.24		05/15/21 06:18	75-69-4	
1,1,2-Trichlorotrifluoroethane	**<0.65**	ug/m3	3.5	0.65	2.24		05/15/21 06:18	76-13-1	
1,2,4-Trimethylbenzene	**4.1**	ug/m3	2.2	0.79	2.24		05/15/21 06:18	95-63-6	
1,3,5-Trimethylbenzene	**1.4J**	ug/m3	2.2	0.65	2.24		05/15/21 06:18	108-67-8	
Vinyl acetate	**<0.47**	ug/m3	1.6	0.47	2.24		05/15/21 06:18	108-05-4	
Vinyl chloride	**<0.19**	ug/m3	0.58	0.19	2.24		05/15/21 06:18	75-01-4	
Xylene (Total)	**9.6**	ug/m3	5.9	1.4	2.24		05/15/21 06:18	1330-20-7	
m&p-Xylene	**6.7**	ug/m3	4.0	1.4	2.24		05/15/21 06:18	179601-23-1	
o-Xylene	**2.9**	ug/m3	2.0	0.61	2.24		05/15/21 06:18	95-47-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 25220211.01 Former Highway Cle
Pace Project No.: 10558748

Sample: SVEZ - 2 HR **Lab ID: 10558748003** Collected: 05/03/21 12:40 Received: 05/05/21 16:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Acetone	**9.2J**	ug/m3	13.2	4.0	2.19		05/15/21 05:40	67-64-1	
Benzene	**<0.25**	ug/m3	0.71	0.25	2.19		05/15/21 05:40	71-43-2	
Benzyl chloride	**<1.9**	ug/m3	5.8	1.9	2.19		05/15/21 05:40	100-44-7	
Bromodichloromethane	**<0.52**	ug/m3	3.0	0.52	2.19		05/15/21 05:40	75-27-4	
Bromoform	**<3.5**	ug/m3	11.5	3.5	2.19		05/15/21 05:40	75-25-2	
Bromomethane	**<0.33**	ug/m3	1.7	0.33	2.19		05/15/21 05:40	74-83-9	
1,3-Butadiene	**<0.26**	ug/m3	0.99	0.26	2.19		05/15/21 05:40	106-99-0	
2-Butanone (MEK)	**5.0J**	ug/m3	6.6	1.0	2.19		05/15/21 05:40	78-93-3	
Carbon disulfide	**<0.28**	ug/m3	1.4	0.28	2.19		05/15/21 05:40	75-15-0	
Carbon tetrachloride	**<0.61**	ug/m3	2.8	0.61	2.19		05/15/21 05:40	56-23-5	
Chlorobenzene	**<0.34**	ug/m3	2.0	0.34	2.19		05/15/21 05:40	108-90-7	
Chloroethane	**<0.49**	ug/m3	1.2	0.49	2.19		05/15/21 05:40	75-00-3	
Chloroform	**<0.40**	ug/m3	1.1	0.40	2.19		05/15/21 05:40	67-66-3	
Chloromethane	**<0.19**	ug/m3	0.92	0.19	2.19		05/15/21 05:40	74-87-3	
Cyclohexane	**<0.48**	ug/m3	3.8	0.48	2.19		05/15/21 05:40	110-82-7	
Dibromochloromethane	**<1.1**	ug/m3	3.8	1.1	2.19		05/15/21 05:40	124-48-1	
1,2-Dibromoethane (EDB)	**<0.66**	ug/m3	1.7	0.66	2.19		05/15/21 05:40	106-93-4	
1,2-Dichlorobenzene	**<0.89**	ug/m3	6.7	0.89	2.19		05/15/21 05:40	95-50-1	
1,3-Dichlorobenzene	**<1.1**	ug/m3	6.7	1.1	2.19		05/15/21 05:40	541-73-1	
1,4-Dichlorobenzene	**<1.9**	ug/m3	6.7	1.9	2.19		05/15/21 05:40	106-46-7	
Dichlorodifluoromethane	**313**	ug/m3	2.2	0.41	2.19		05/15/21 05:40	75-71-8	
1,1-Dichloroethane	**<0.36**	ug/m3	1.8	0.36	2.19		05/15/21 05:40	75-34-3	
1,2-Dichloroethane	**<0.42**	ug/m3	1.8	0.42	2.19		05/15/21 05:40	107-06-2	
1,1-Dichloroethene	**<0.30**	ug/m3	1.8	0.30	2.19		05/15/21 05:40	75-35-4	
cis-1,2-Dichloroethene	**2.1**	ug/m3	1.8	0.43	2.19		05/15/21 05:40	156-59-2	
trans-1,2-Dichloroethene	**<0.37**	ug/m3	1.8	0.37	2.19		05/15/21 05:40	156-60-5	
1,2-Dichloropropane	**<0.59**	ug/m3	2.1	0.59	2.19		05/15/21 05:40	78-87-5	
cis-1,3-Dichloropropene	**<0.56**	ug/m3	5.1	0.56	2.19		05/15/21 05:40	10061-01-5	
trans-1,3-Dichloropropene	**<1.2**	ug/m3	5.1	1.2	2.19		05/15/21 05:40	10061-02-6	
Dichlorotetrafluoroethane	**<0.44**	ug/m3	3.1	0.44	2.19		05/15/21 05:40	76-14-2	
Ethanol	**6.0**	ug/m3	4.2	1.3	2.19		05/15/21 05:40	64-17-5	
Ethyl acetate	**<0.29**	ug/m3	1.6	0.29	2.19		05/15/21 05:40	141-78-6	
Ethylbenzene	**<0.68**	ug/m3	1.9	0.68	2.19		05/15/21 05:40	100-41-4	
4-Ethyltoluene	**1.1J**	ug/m3	5.5	1.0	2.19		05/15/21 05:40	622-96-8	
n-Heptane	**0.89J**	ug/m3	1.8	0.40	2.19		05/15/21 05:40	142-82-5	
Hexachloro-1,3-butadiene	**<2.7**	ug/m3	11.9	2.7	2.19		05/15/21 05:40	87-68-3	
n-Hexane	**0.53J**	ug/m3	1.6	0.42	2.19		05/15/21 05:40	110-54-3	
2-Hexanone	**<0.97**	ug/m3	9.1	0.97	2.19		05/15/21 05:40	591-78-6	
Methylene Chloride	**<1.3**	ug/m3	7.7	1.3	2.19		05/15/21 05:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.70**	ug/m3	9.1	0.70	2.19		05/15/21 05:40	108-10-1	
Methyl-tert-butyl ether	**<0.28**	ug/m3	8.0	0.28	2.19		05/15/21 05:40	1634-04-4	
Naphthalene	**<4.8**	ug/m3	5.8	4.8	2.19		05/15/21 05:40	91-20-3	
2-Propanol	**1.8J**	ug/m3	5.5	1.1	2.19		05/15/21 05:40	67-63-0	
Propylene	**<0.28**	ug/m3	1.9	0.28	2.19		05/15/21 05:40	115-07-1	
Styrene	**253**	ug/m3	1.9	0.84	2.19		05/15/21 05:40	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 25220211.01 Former Highway Cle
Pace Project No.: 10558748

Sample: SVEZ - 2 HR **Lab ID: 10558748003** Collected: 05/03/21 12:40 Received: 05/05/21 16:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
1,1,2,2-Tetrachloroethane	**<0.81**	ug/m3	3.1	0.81	2.19		05/15/21 05:40	79-34-5	
Tetrachloroethene	**9720**	ug/m3	165	70.1	240		05/16/21 20:21	127-18-4	
Tetrahydrofuran	**<0.39**	ug/m3	1.3	0.39	2.19		05/15/21 05:40	109-99-9	
Toluene	**5.5**	ug/m3	1.7	0.53	2.19		05/15/21 05:40	108-88-3	
1,2,4-Trichlorobenzene	**<10.7**	ug/m3	16.5	10.7	2.19		05/15/21 05:40	120-82-1	
1,1,1-Trichloroethane	**2.3J**	ug/m3	2.4	0.41	2.19		05/15/21 05:40	71-55-6	
1,1,2-Trichloroethane	**<0.43**	ug/m3	1.2	0.43	2.19		05/15/21 05:40	79-00-5	
Trichloroethene	**11.9**	ug/m3	1.2	0.43	2.19		05/15/21 05:40	79-01-6	
Trichlorofluoromethane	**3.4**	ug/m3	2.5	0.51	2.19		05/15/21 05:40	75-69-4	
1,1,2-Trichlorotrifluoroethane	**<0.63**	ug/m3	3.4	0.63	2.19		05/15/21 05:40	76-13-1	
1,2,4-Trimethylbenzene	**2.4**	ug/m3	2.2	0.78	2.19		05/15/21 05:40	95-63-6	
1,3,5-Trimethylbenzene	**0.88J**	ug/m3	2.2	0.64	2.19		05/15/21 05:40	108-67-8	
Vinyl acetate	**<0.46**	ug/m3	1.6	0.46	2.19		05/15/21 05:40	108-05-4	
Vinyl chloride	**<0.19**	ug/m3	0.57	0.19	2.19		05/15/21 05:40	75-01-4	
Xylene (Total)	**5.9**	ug/m3	5.8	1.4	2.19		05/15/21 05:40	1330-20-7	
m&p-Xylene	**4.1**	ug/m3	3.9	1.4	2.19		05/15/21 05:40	179601-23-1	
o-Xylene	**1.8J**	ug/m3	1.9	0.59	2.19		05/15/21 05:40	95-47-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 25220211.01 Former Highway Cle
Pace Project No.: 10558748

QC Batch: 742186 | Analysis Method: TO-15
QC Batch Method: TO-15 | Analysis Description: TO15 MSV AIR Low Level
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10558748001, 10558748002, 10558748003

METHOD BLANK: 3957947 Matrix: Air
Associated Lab Samples: 10558748001, 10558748002, 10558748003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.19	1.1	05/14/21 10:04	
1,1,2,2-Tetrachloroethane	ug/m3	<0.37	1.4	05/14/21 10:04	
1,1,2-Trichloroethane	ug/m3	<0.20	0.56	05/14/21 10:04	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.29	1.6	05/14/21 10:04	
1,1-Dichloroethane	ug/m3	<0.16	0.82	05/14/21 10:04	
1,1-Dichloroethene	ug/m3	<0.14	0.81	05/14/21 10:04	
1,2,4-Trichlorobenzene	ug/m3	<4.9	7.5	05/14/21 10:04	
1,2,4-Trimethylbenzene	ug/m3	<0.35	1.0	05/14/21 10:04	
1,2-Dibromoethane (EDB)	ug/m3	<0.30	0.78	05/14/21 10:04	
1,2-Dichlorobenzene	ug/m3	<0.40	3.1	05/14/21 10:04	
1,2-Dichloroethane	ug/m3	<0.19	0.82	05/14/21 10:04	
1,2-Dichloropropane	ug/m3	<0.27	0.94	05/14/21 10:04	
1,3,5-Trimethylbenzene	ug/m3	<0.29	1.0	05/14/21 10:04	
1,3-Butadiene	ug/m3	<0.12	0.45	05/14/21 10:04	
1,3-Dichlorobenzene	ug/m3	<0.51	3.1	05/14/21 10:04	
1,4-Dichlorobenzene	ug/m3	<0.88	3.1	05/14/21 10:04	
2-Butanone (MEK)	ug/m3	<0.46	3.0	05/14/21 10:04	
2-Hexanone	ug/m3	<0.44	4.2	05/14/21 10:04	
2-Propanol	ug/m3	<0.51	2.5	05/14/21 10:04	
4-Ethyltoluene	ug/m3	<0.47	2.5	05/14/21 10:04	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.32	4.2	05/14/21 10:04	
Acetone	ug/m3	<1.8	6.0	05/14/21 10:04	
Benzene	ug/m3	<0.11	0.32	05/14/21 10:04	
Benzyl chloride	ug/m3	<0.89	2.6	05/14/21 10:04	
Bromodichloromethane	ug/m3	<0.24	1.4	05/14/21 10:04	
Bromoform	ug/m3	<1.6	5.2	05/14/21 10:04	
Bromomethane	ug/m3	<0.15	0.79	05/14/21 10:04	
Carbon disulfide	ug/m3	<0.13	0.63	05/14/21 10:04	
Carbon tetrachloride	ug/m3	<0.28	1.3	05/14/21 10:04	
Chlorobenzene	ug/m3	<0.16	0.94	05/14/21 10:04	
Chloroethane	ug/m3	<0.22	0.54	05/14/21 10:04	
Chloroform	ug/m3	<0.18	0.50	05/14/21 10:04	
Chloromethane	ug/m3	<0.085	0.42	05/14/21 10:04	
cis-1,2-Dichloroethene	ug/m3	<0.20	0.81	05/14/21 10:04	
cis-1,3-Dichloropropene	ug/m3	<0.26	2.3	05/14/21 10:04	
Cyclohexane	ug/m3	<0.22	1.8	05/14/21 10:04	
Dibromochloromethane	ug/m3	<0.52	1.7	05/14/21 10:04	
Dichlorodifluoromethane	ug/m3	<0.19	1.0	05/14/21 10:04	
Dichlorotetrafluoroethane	ug/m3	<0.20	1.4	05/14/21 10:04	
Ethanol	ug/m3	<0.59	1.9	05/14/21 10:04	

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: 25220211.01 Former Highway Cle
Pace Project No.: 10558748

METHOD BLANK: 3957947 Matrix: Air
Associated Lab Samples: 10558748001, 10558748002, 10558748003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	<0.13	0.73	05/14/21 10:04	
Ethylbenzene	ug/m3	<0.31	0.88	05/14/21 10:04	
Hexachloro-1,3-butadiene	ug/m3	<1.2	5.4	05/14/21 10:04	
m&p-Xylene	ug/m3	<0.64	1.8	05/14/21 10:04	
Methyl-tert-butyl ether	ug/m3	<0.13	3.7	05/14/21 10:04	
Methylene Chloride	ug/m3	<0.59	3.5	05/14/21 10:04	
n-Heptane	ug/m3	<0.18	0.83	05/14/21 10:04	
n-Hexane	ug/m3	<0.19	0.72	05/14/21 10:04	
Naphthalene	ug/m3	<2.2	2.7	05/14/21 10:04	
o-Xylene	ug/m3	<0.27	0.88	05/14/21 10:04	
Propylene	ug/m3	<0.13	0.88	05/14/21 10:04	
Styrene	ug/m3	<0.38	0.87	05/14/21 10:04	
Tetrachloroethene	ug/m3	<0.29	0.69	05/14/21 10:04	
Tetrahydrofuran	ug/m3	<0.18	0.60	05/14/21 10:04	
Toluene	ug/m3	<0.24	0.77	05/14/21 10:04	
trans-1,2-Dichloroethene	ug/m3	<0.17	0.81	05/14/21 10:04	
trans-1,3-Dichloropropene	ug/m3	<0.54	2.3	05/14/21 10:04	
Trichloroethene	ug/m3	<0.20	0.55	05/14/21 10:04	
Trichlorofluoromethane	ug/m3	<0.23	1.1	05/14/21 10:04	
Vinyl acetate	ug/m3	<0.21	0.72	05/14/21 10:04	
Vinyl chloride	ug/m3	<0.087	0.26	05/14/21 10:04	
Xylene (Total)	ug/m3	<0.64	2.6	05/14/21 10:04	

LABORATORY CONTROL SAMPLE: 3957948

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	59.3	59.1	100	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	75.4	74.1	98	70-132	
1,1,2-Trichloroethane	ug/m3	59.6	57.9	97	70-134	
1,1,2-Trichlorotrifluoroethane	ug/m3	83.6	81.8	98	70-130	
1,1-Dichloroethane	ug/m3	43.9	43.4	99	70-133	
1,1-Dichloroethene	ug/m3	43.5	44.2	101	70-130	
1,2,4-Trichlorobenzene	ug/m3	177	178	101	69-132	
1,2,4-Trimethylbenzene	ug/m3	54	54.7	101	70-142	
1,2-Dibromoethane (EDB)	ug/m3	82.5	82.9	100	70-138	
1,2-Dichlorobenzene	ug/m3	66.2	68.1	103	70-146	
1,2-Dichloroethane	ug/m3	44.4	45.2	102	70-132	
1,2-Dichloropropane	ug/m3	50.6	48.6	96	70-134	
1,3,5-Trimethylbenzene	ug/m3	53.7	54.7	102	70-143	
1,3-Butadiene	ug/m3	24.2	25.4	105	70-136	
1,3-Dichlorobenzene	ug/m3	66.3	69.0	104	70-145	
1,4-Dichlorobenzene	ug/m3	66.3	70.0	106	70-140	
2-Butanone (MEK)	ug/m3	32.3	30.4	94	50-139	
2-Hexanone	ug/m3	44.8	45.4	101	70-148	

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: 25220211.01 Former Highway Cle
Pace Project No.: 10558748

LABORATORY CONTROL SAMPLE: 3957948

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Propanol	ug/m3	149	155	104	67-135	
4-Ethyltoluene	ug/m3	53.7	55.6	104	70-145	
4-Methyl-2-pentanone (MIBK)	ug/m3	44.9	43.0	96	70-139	
Acetone	ug/m3	128	127	99	64-130	
Benzene	ug/m3	34.8	32.4	93	70-131	
Benzyl chloride	ug/m3	57.6	67.8	118	70-130	
Bromodichloromethane	ug/m3	73.1	73.4	100	70-133	
Bromoform	ug/m3	114	121	106	70-137	
Bromomethane	ug/m3	42.5	43.4	102	64-134	
Carbon disulfide	ug/m3	34.4	34.3	100	70-131	
Carbon tetrachloride	ug/m3	69.4	69.8	101	70-131	
Chlorobenzene	ug/m3	50.2	48.3	96	70-130	
Chloroethane	ug/m3	28.8	30.4	105	69-141	
Chloroform	ug/m3	52.4	51.3	98	70-130	
Chloromethane	ug/m3	22.6	22.3	99	70-130	
cis-1,2-Dichloroethene	ug/m3	43.4	44.6	103	70-137	
cis-1,3-Dichloropropene	ug/m3	49.4	51.2	104	70-144	
Cyclohexane	ug/m3	37.4	33.1	89	70-137	
Dibromochloromethane	ug/m3	93.2	95.9	103	70-132	
Dichlorodifluoromethane	ug/m3	54.6	54.8	100	70-130	
Dichlorotetrafluoroethane	ug/m3	71.2	72.9	102	70-130	
Ethanol	ug/m3	124	125	101	63-133	
Ethyl acetate	ug/m3	38.9	37.5	96	70-136	
Ethylbenzene	ug/m3	47.8	49.7	104	70-142	
Hexachloro-1,3-butadiene	ug/m3	133	140	106	70-135	
m&p-Xylene	ug/m3	95.4	93.6	98	70-141	
Methyl-tert-butyl ether	ug/m3	39.6	39.8	100	70-143	
Methylene Chloride	ug/m3	190	187	98	70-130	
n-Heptane	ug/m3	44.6	39.8	89	70-137	
n-Hexane	ug/m3	38	35.0	92	70-135	
Naphthalene	ug/m3	65.2	65.3	100	67-132	
o-Xylene	ug/m3	47.6	46.7	98	70-141	
Propylene	ug/m3	18.9	18.2	96	70-130	
Styrene	ug/m3	47	49.3	105	70-142	
Tetrachloroethene	ug/m3	73.4	70.9	97	70-130	
Tetrahydrofuran	ug/m3	32.1	31.7	99	70-136	
Toluene	ug/m3	41.6	40.5	98	70-138	
trans-1,2-Dichloroethene	ug/m3	43.6	44.3	102	70-130	
trans-1,3-Dichloropropene	ug/m3	50.5	54.0	107	70-145	
Trichloroethene	ug/m3	58.4	57.1	98	70-130	
Trichlorofluoromethane	ug/m3	62	66.9	108	69-135	
Vinyl acetate	ug/m3	46.4	48.2	104	70-146	
Vinyl chloride	ug/m3	28	28.8	103	70-137	
Xylene (Total)	ug/m3	143	140	98	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 25220211.01 Former Highway Cle
Pace Project No.: 10558748

SAMPLE DUPLICATE: 3959460

Parameter	Units	10558406001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	<0.31		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	<0.62		25	
1,1,2-Trichloroethane	ug/m3	ND	<0.33		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	0.92J		25	
1,1-Dichloroethane	ug/m3	ND	<0.28		25	
1,1-Dichloroethene	ug/m3	ND	<0.23		25	
1,2,4-Trichlorobenzene	ug/m3	ND	<8.2		25	
1,2,4-Trimethylbenzene	ug/m3	33.5	34.7	4	25	
1,2-Dibromoethane (EDB)	ug/m3	ND	<0.50		25	
1,2-Dichlorobenzene	ug/m3	ND	<0.68		25	
1,2-Dichloroethane	ug/m3	ND	<0.33		25	
1,2-Dichloropropane	ug/m3	ND	<0.45		25	
1,3,5-Trimethylbenzene	ug/m3	8.7	9.0	3	25	
1,3-Butadiene	ug/m3	ND	<0.20		25	
1,3-Dichlorobenzene	ug/m3	ND	0.88J		25	
1,4-Dichlorobenzene	ug/m3	ND	<1.5		25	
2-Butanone (MEK)	ug/m3	10.8	11.1	3	25	
2-Hexanone	ug/m3	ND	1.1J		25	
2-Propanol	ug/m3	14.7	15.5	6	25	
4-Ethyltoluene	ug/m3	13.7	14.0	2	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	1.2J		25	
Acetone	ug/m3	22.5	23.0	2	25	
Benzene	ug/m3	5.0	5.2	3	25	
Benzyl chloride	ug/m3	ND	<1.5		25	
Bromodichloromethane	ug/m3	ND	<0.40		25	
Bromoform	ug/m3	ND	<2.7		25	
Bromomethane	ug/m3	ND	<0.25		25	
Carbon disulfide	ug/m3	1.6	1.7	5	25	
Carbon tetrachloride	ug/m3	ND	<0.47		25	
Chlorobenzene	ug/m3	ND	<0.26		25	
Chloroethane	ug/m3	ND	0.77J		25	
Chloroform	ug/m3	ND	0.74J		25	
Chloromethane	ug/m3	0.94	0.96	1	25	
cis-1,2-Dichloroethene	ug/m3	ND	<0.33		25	
cis-1,3-Dichloropropene	ug/m3	ND	<0.43		25	
Cyclohexane	ug/m3	3.4	3.4	2	25	
Dibromochloromethane	ug/m3	ND	<0.87		25	
Dichlorodifluoromethane	ug/m3	2.6	2.4	8	25	
Dichlorotetrafluoroethane	ug/m3	ND	<0.34		25	
Ethanol	ug/m3	21.9	23.6	8	25	
Ethyl acetate	ug/m3	ND	<0.22		25	
Ethylbenzene	ug/m3	26.6	27.5	3	25	
Hexachloro-1,3-butadiene	ug/m3	ND	<2.1		25	
m&p-Xylene	ug/m3	120	124	4	25	
Methyl-tert-butyl ether	ug/m3	ND	<0.21		25	
Methylene Chloride	ug/m3	ND	<1.0		25	
n-Heptane	ug/m3	9.1	9.5	4	25	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 25220211.01 Former Highway Cle
Pace Project No.: 10558748

SAMPLE DUPLICATE: 3959460

Parameter	Units	10558406001 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	6.8	7.1	5	25	
Naphthalene	ug/m3	ND	<3.6		25	
o-Xylene	ug/m3	36.3	37.7	4	25	
Propylene	ug/m3	ND	<0.22		25	
Styrene	ug/m3	ND	1.5		25	
Tetrachloroethene	ug/m3	10.6	10.7	1	25	
Tetrahydrofuran	ug/m3	ND	<0.30		25	
Toluene	ug/m3	98.6	102	4	25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.28		25	
trans-1,3-Dichloropropene	ug/m3	ND	<0.91		25	
Trichloroethene	ug/m3	ND	<0.33		25	
Trichlorofluoromethane	ug/m3	4.3	5.0	14	25	
Vinyl acetate	ug/m3	ND	<0.35		25	
Vinyl chloride	ug/m3	ND	<0.15		25	
Xylene (Total)	ug/m3	156	162	4	25	

SAMPLE DUPLICATE: 3959461

Parameter	Units	10558406002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	<0.31		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	<0.62		25	
1,1,2-Trichloroethane	ug/m3	ND	<0.33		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	<0.49		25	
1,1-Dichloroethane	ug/m3	ND	<0.28		25	
1,1-Dichloroethene	ug/m3	ND	<0.23		25	
1,2,4-Trichlorobenzene	ug/m3	ND	<8.2		25	
1,2,4-Trimethylbenzene	ug/m3	36.1	39.3	8	25	
1,2-Dibromoethane (EDB)	ug/m3	ND	<0.50		25	
1,2-Dichlorobenzene	ug/m3	ND	<0.68		25	
1,2-Dichloroethane	ug/m3	ND	<0.33		25	
1,2-Dichloropropane	ug/m3	ND	<0.45		25	
1,3,5-Trimethylbenzene	ug/m3	9.4	10.5	12	25	
1,3-Butadiene	ug/m3	ND	<0.20		25	
1,3-Dichlorobenzene	ug/m3	ND	<0.86		25	
1,4-Dichlorobenzene	ug/m3	ND	<1.5		25	
2-Butanone (MEK)	ug/m3	ND	<0.78		25	
2-Hexanone	ug/m3	ND	<0.74		25	
2-Propanol	ug/m3	5.0	5.9	15	25	
4-Ethyltoluene	ug/m3	14.8	16.1	9	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	1.1J		25	
Acetone	ug/m3	24.8	27.5	10	25	
Benzene	ug/m3	9.4	10.1	7	25	
Benzyl chloride	ug/m3	ND	<1.5		25	
Bromodichloromethane	ug/m3	ND	<0.40		25	
Bromoform	ug/m3	ND	<2.7		25	

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REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 25220211.01 Former Highway Cle
Pace Project No.: 10558748

SAMPLE DUPLICATE: 3959461

Parameter	Units	10558406002 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromomethane	ug/m3	ND	<0.25		25	
Carbon disulfide	ug/m3	7.6	8.1	7	25	
Carbon tetrachloride	ug/m3	ND	<0.47		25	
Chlorobenzene	ug/m3	ND	<0.26		25	
Chloroethane	ug/m3	1.2	1.4	16	25	
Chloroform	ug/m3	ND	0.55J		25	
Chloromethane	ug/m3	1.6	<0.14		25	
cis-1,2-Dichloroethene	ug/m3	ND	<0.33		25	
cis-1,3-Dichloropropene	ug/m3	ND	<0.43		25	
Cyclohexane	ug/m3	8.0	8.9	10	25	
Dibromochloromethane	ug/m3	ND	<0.87		25	
Dichlorodifluoromethane	ug/m3	2.6	2.7	4	25	
Dichlorotetrafluoroethane	ug/m3	ND	<0.34		25	
Ethanol	ug/m3	58.3	66.0	12	25	
Ethyl acetate	ug/m3	ND	<0.22		25	
Ethylbenzene	ug/m3	32.4	35.4	9	25	
Hexachloro-1,3-butadiene	ug/m3	ND	<2.1		25	
m&p-Xylene	ug/m3	139	151	8	25	
Methyl-tert-butyl ether	ug/m3	ND	<0.21		25	
Methylene Chloride	ug/m3	ND	<1.0		25	
n-Heptane	ug/m3	14.1	15.5	9	25	
n-Hexane	ug/m3	17.1	18.7	9	25	
Naphthalene	ug/m3	ND	<3.6		25	
o-Xylene	ug/m3	42.3	46.0	8	25	
Propylene	ug/m3	ND	<0.22		25	
Styrene	ug/m3	1.6	1.7	7	25	
Tetrachloroethene	ug/m3	19.8	21.5	8	25	
Tetrahydrofuran	ug/m3	1.3	1.5	18	25	
Toluene	ug/m3	136	147	8	25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.28		25	
trans-1,3-Dichloropropene	ug/m3	ND	<0.91		25	
Trichloroethene	ug/m3	ND	<0.33		25	
Trichlorofluoromethane	ug/m3	ND	2.0		25	
Vinyl acetate	ug/m3	ND	<0.35		25	
Vinyl chloride	ug/m3	ND	<0.15		25	
Xylene (Total)	ug/m3	181	197	8	25	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 25220211.01 Former Highway Cle
Pace Project No.: 10558748

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: 25220211.01 Former Highway Cle
Pace Project No.: 10558748

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10558748001	**SVEZ - 15 Min**	TO-15	742186		
10558748002	**SVEZ - 1 HR**	TO-15	742186		
10558748003	**SVEZ - 2 HR**	TO-15	742186		

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.

49051

Page: of

Section A Required Client Information:

Company: SCS Engineers
Address: 2830 Dairy Dr
MADISON WI 53718
Email To: kgilkey@scsengineers.com
Phone: 608 4692753 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Keith Gilkey
Copy To:
Purchase Order No.:
Project Name: Former Highway Cleaners
Project Number: 25220211.01

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #: 42730

Program: ☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act ☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other

Location of Sampling by State:

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 #	'Section D Required Client Information / 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	SUE2-15min			5/3/21	1055			-29	-9	2593	KG55					X					01
2	SUE2-1HR			5/3/21	1140			-30	-5	3093						X					02
3	SUE2-2HR			5/3/21	1240			-30	-7.5	3244	1686					X					03
4																X KG					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

WO# : 10558748
10558748

Comments :

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Keith Gilkey	5/3/21	1710	Matt Fry/Pace	5-5-21	16:20

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: Keith Gilkey
SIGNATURE of SAMPLER: Keith Gilkey
DATE Signed (MM / DD / YY): 05/03/21

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: 24Mar2020 **Page 1 of 1**
	Document No.: **ENV-FRM-MIN4-0113 Rev.00**	Pace Analytical Services - **Minneapolis**

Air Sample Condition Upon Receipt **Client Name:** SCS Engineers **Project #:**

WO#: 10558748
PM: KNH Due Date: 05/12/21
CLIENT: SCS Engineer

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial **See Exception** ☐

Tracking Number: 9753 8442 2433

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

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Tin Can ☐ Other: _____ **Temp Blank rec:** ☐ Yes ☐ No

Temp. (TO17 and TO13 samples only) (°C): _____ **Corrected Temp (°C):** _____ **Thermometer Used:** ☐ G87A9170600254 ☐ G87A9155100842

Temp should be above freezing to 6°C **Correction Factor:** _____ **Date & Initials of Person Examining Contents:** _____

Type of ice Received ☐ Blue ☐ Wet ☒ None

			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-14, TO-15 or APH)** -Pace Containers Used?	☒ Yes ☒ Yes	☐ No ☐ No	9.
Containers Intact? **(visual inspection/no leaks when pressurized)**	☒ Yes	☐ No	10.
Media: Air Can Airbag Filter TDT Passive			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 ☐ 4097

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
15min	2593	783	-8.5	+10					
1hr	3093	1634	-7.5	↓					
2hr	3244	1686	-7	↓					
Unused	2440	679	-28	-					

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Kristen Hoffberg **Date:** 5/6/2021

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 F

Discharge Calculations

Air Discharge Calculations from the SVE Pilot Test Results
Former Highway Cleaners

Flowrate (Q) (CFM)	**8.5**

Samples of the exhaust gas were taken during the SVE Pilot Test

Sample ID	Tetrachloroethylene (PCE) (ug/M^3)
15-min	22,400
1-hour	26,900
2-hour	9,720
Max. Value	**26,900**

The flowrate and the concentration of PCE is used to determine the discharge rate of PCE

Discharge rate (lb/hr) = (PCE concentration (ug/M^3) x flowrate (ft^3/min)) x (M^3/Ft^3) x (lb/gm) x (g/ug) x (60 min/hr)

FT^3/M^3 =	35.3147
gm/lb =	453.592
ug/g =	1,000,000

Discharge

0.00086	lb/hr
7.502	lb/yr

NR 445.07 Discharge Rate for PCE = 9.11 lb/hr and 301 lb/yr for a stack <25 ft.

Exempt from Ch. 406 construction permit requirements pursuant to S.NR 406.04(2), Wis. Adm. Code.
Exempt from Ch. 407 operation permit requirements pursuant to S. NR 407.03(1)(sm), Wis. Adm. Code.

Notes:
1. Flowrate is from SVE pilot test field measurements.
2. Tetrachloroethylene = CAS Number 127-18-4

KRG/MBH
I:\25220211.01\Data and Calculations\Tables\[SVE discharge calcs.xlsx]Sheet1