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Phase II Environmental Site Assessment Report

Former Highway Trailer Site, 501 E. South Street,
Stoughton, WI
WCS-106

Wisconsin Department of Natural Resources

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Quality information

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List of Acronyms

AECOM	AECOM Technical Services, Inc.
bgs	below ground surface
BTV	Background threshold value
ESA	Environmental Site Assessment
ES	Enforcement Standard
mg/kg	milligrams/kilogram
MS	matrix spike
MSD	matrix spike duplicate
PAHs	polycyclic aromatic hydrocarbons
PAL	Preventive Action Limit
PCBs	polychlorinated biphenyls
PID	photo-ionization detector
ppm	part per million
PVC	polyvinyl chloride
RCLs	Residual Contaminant Levels
RECs	Recognized Environmental Conditions
RPD	Relative percent difference
ug/kg	micrograms/kilogram
ug/L	micrograms/Liter
USCS	Unified Soil Classification System
VOCs	volatile organic compounds
WDNR	Wisconsin Department of Natural Resources

Executive Summary

AECOM Technical Services, Inc. (AECOM) is providing the results of a limited Phase II Environmental Site Assessment (Ph II ESA) at the former Highway Trailer site in Stoughton, Wisconsin. The Ph II ESA was conducted under the Wisconsin Assessment Monies (WAM) Program and in general conformance with the approved Sampling and Analysis Plan dated February 3, 2021 and authorized March 16, 2021.

The subject property is located at 501 E. South Street, Stoughton, Dane County, Wisconsin (Figure 1); and is described as being located in part of the Southeast ¼ of the Northeast ¼ of Section 8, Township 5 North, Range 11 East. The subject property consists of a single parcel totaling approximately 2.25 acres. Figure 2 depicts the site layout and the Ph II ESA sampling locations.

A Phase I ESA was conducted in October 2020 by AECOM for the Wisconsin Department of Natural Resources (WDNR). The Phase I ESA identified the following recognized environmental conditions (RECs) on the property as related to historical uses:

- The historical industrial use of the subject property for manufacturing (of wagons and truck trailers) from the 1890s through the early 2000s, housing processes like machine shops and spray painting.
- The reported contaminated soils at the subject property with polycyclic aromatic hydrocarbons (PAHs), arsenic, and lead concentrations detected above the NR720 Residual Contaminant Levels (RCLs).

Eight soil probes were advanced across the site on March 26, 2021. Sixteen soil samples were collected from the sample locations and analyzed for volatile organic compounds (VOCs), PAHs, polychlorinated biphenyls (PCBs) and lead. At four of the soil probe locations, temporary monitoring wells were installed and one groundwater sample was collected from each location and analyzed for VOCs.

VOCs and PCBs were not detected in the soil samples collected. PAHs were detected in 5 of the 16 samples, but only the SP-8 location had PAH concentrations that exceeded RCLs. Lead was detected in each sample; results exceeded the non-industrial direct contact RCL at SP-7 and the groundwater RCL at SP-2 and SP-5.

The VOC concentrations detected in the groundwater samples did not exceed Wisconsin's groundwater quality standards.

AECOM's assessment of subsurface conditions at the site are:

- Additional releases to the environment associated with former manufacturing operations were not identified, with the exception of the PAHs and lead contamination in the fill which had been previously identified in the Ayres 2009 *Contamination Assessment*.
- Concentrations of PAHs and lead above RCLs were identified in the fill soils.
- VOCs were not detected in the groundwater and it appears that the former spray-painting operations did not cause a release of VOCs to the environment.

The site appears to be ready for redevelopment. However, the extent of lead-impacted soil should be further defined. Fill soil with the PAH and lead concentrations above RCLs must be managed appropriately during redevelopment.

1. Introduction

AECOM Technical Services, Inc. (AECOM) is providing the results of a limited Phase II Environmental Site Assessment (Ph II ESA) at the former Highway Trailer site in Stoughton, Wisconsin. The Ph II ESA was conducted under the Wisconsin Assessment Monies (WAM) Program and in general conformance with the approved Sampling and Analysis Plan dated February 3, 2021 and authorized March 16, 2021.

The scope of the Ph II ESA was based on Phase I Environmental Site Assessment conducted by AECOM dated November 2020 and other site investigation reports provided to AECOM, as well as input from the Wisconsin Department of Natural Resources (WDNR) regarding scope considerations.

1.1 Background

The subject property is located at 501 E. South Street, Stoughton, Dane County, Wisconsin (Figure 1); and is described as being located in part of the Southeast ¼ of the Northeast ¼ of Section 8, Township 5 North, Range 11 East. The subject property consists of a single parcel totaling approximately 2.25 acres. Figure 2 depicts the site layout and the Ph II ESA sampling locations.

The site was used for wagon manufacturing by the Mandt Wagon Company, and later the Moline Plow Company, from the 1890s until the 1940s. Highway Trailer occupied the manufacturing buildings from the 1940s until the late 1950s for the manufacture of tractor trailers. Highway Trailer operated at the subject property until 1957, when they sold the property to TCJ trailer. TCJ trailer used the subject property for warehouse storage of truck parts and manufacturing equipment. In 1979, TCJ sold the property to Donald Wahlin for storage related to his Stoughton Trailers business. The Stoughton Redevelopment Authority acquired the property in November 2012. All buildings at the site have been razed. The site is predominantly covered with grass, with limited areas of gravel. Some debris remains onsite from the demolition activities. Surrounding properties are a mix of commercial and residential use.

A Phase I ESA was conducted in October 2020 by AECOM for the WDNR. The Phase I ESA identified the following recognized environmental conditions (RECs) on the property as related to historical uses. The RECs were:

- The historical industrial use of the subject property for manufacturing (of wagons and truck trailers) from the 1890s through the early 2000s, housing processes like machine shops and spray painting.
- The reported contaminated soils at the subject property with PAHs, arsenic, and lead concentrations detected above the NR720 RCLs.

1.2 Contact Information

The following parties are associated with this site assessment.

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2. Hydrogeologic Setting

Published geologic and hydrogeologic information was reviewed to assess soil and bedrock types in the area, regional groundwater flow direction, and groundwater sources. The United States Geological Survey (USGS) 7.5-minute topographic maps of the Stoughton, Wisconsin quadrangle indicates that the subject property elevation is approximately 850 feet above mean sea level (USGS, 2013). The northern half of the site is generally flat where the foundation of the manufacturing building had been built up, but slopes to the south beyond the building foundation. Topographic relief is minimal and the ground surface generally slopes gently to the south/southwest toward the Yahara River, which is located approximately 400 feet south of the site.

The USDA Soil Conservation Service (USCS) Web Soil Survey has mapped the area of the subject property as the Kegonsa silt loam (USDA, 2020). The USCS data indicates that subject property soils are well drained and exhibit a moderate water holding capacity. Regionally, the site is located in a river valley developed through glacial deposits and alluvium of Quaternary age. The soils are underlain by Cambrian-age sandstone at a depth of approximately 100 to 200 feet. Groundwater in the area is generally derived from the Cambrian sandstones within the Yahara River groundwater basin (Cline, 1965).

Based on the local surface topography which slopes from East South Street southward toward the Yahara river, shallow groundwater is expected to flow south towards the Yahara River. Depth to shallow groundwater at the subject property is estimated to be between four to six feet below ground surface based on the boring logs provided in the 2009 *Contamination Assessment Report* prepared by Ayres Associates.

2.1 Potential Migration Pathways and Potential Receptors

Exposures to receptors from potential contamination include the potential for direct contact with soil, the potential for soil impacts to extend to the groundwater table and impact groundwater, the potential for migration of contamination within the groundwater system, and the potential for vapor intrusion if VOCs are identified above generic screening levels. Other potential receptors include the Yahara River, located approximately 400 feet to the south. Proposed activities associated with this site assessment are not anticipated to affect the potential exposure pathways.

2.2 Scope

The Ph II ESA consisted of the advancement of eight soil probe borings (SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7 and SP-8) for collection of soil samples. Four of the soil probe locations (SP-1, SP-4, SP-5 and SP-7) were also completed as temporary monitoring wells for the collection of groundwater samples. Table 1 provides a description of each location sampled, the rationale for the selected analyses and the selected soil sample depths.

3. Methods of Assessment

3.1 Utility Clearance

AECOM's drilling subcontractor On-site Environmental, Inc. of Sun Prairie, WI contacted Digger's Hotline for the location of public utilities prior to commencing work. Upon arriving at the site, the utility markings were reviewed with respect to the planned boring locations and it was determined that there were no utility conflicts.

3.2 Soil Probe Boring and Temporary Wells

Soil borings were advanced on March 26, 2021. The borings were identified as SP-1 through SP-8 as depicted in Figure 2. Soil samples were collected using a direct push soil probe unit using a two-inch diameter drive rod to collect continuous soil samples. The soil samples were collected inside of a polyethylene sheath inserted into the end of the drive rod. The soil samples were subdivided by depth and described in the field with respect to the soil type, grain size distribution, and color (or discoloration), odor, and moisture content. Visual observations of the recovered material were documented in general conformance with ASTM Method D-2488-93. Field observations from the borings were recorded on soil boring logs included as Appendix A.

Soil samples were screened in the field with a photo-ionization detector (PID) equipped with a 10.6 electron volt (eV) lamp. The PID was calibrated in the field according to manufacturer's instructions, using 100 parts per million (ppm) isobutylene span gas and air (zero gas). The PID readings were recorded on the soil boring logs.

Two soil samples per soil boring location were collected and submitted for laboratory analysis. Soil samples for VOCs, PAHs, PCBs and lead were collected from the upper historic fill to evaluate potential direct contact issues. The second soil samples were collected from a lower interval just below the fill and native soil interface. The sample selection rationale and the soil sample intervals are provided in Table 1. No PID readings above 1 part per million (ppm) were observed during the soil logging process. The sample collection depth is included on the results tables.

Soil borings that were not converted to temporary wells were abandoned by backfilling with bentonite upon completion of soil sampling activities. WDNR borehole abandonment forms (3300-005) are included in Appendix A.

3.3 Temporary Monitoring Well Installation and Sampling

Temporary wells were constructed following the completion of soil sample collection in borings SP-1, SP-4, SP-5, and SP-7. The well construction consisted of one-inch diameter polyvinyl chloride (PVC) riser pipe and ten-foot slotted well screen. Temporary well depths ranged from 15 to 21 ft bgs. Filter sand was placed around the screened portion of the wells and a small amount of bentonite was placed above the filter sand.

Prior to the sampling of the temporary wells, depth to water measurements were taken. Groundwater was encountered at a deeper depth at the north end (up-hill) end of the subject property and was shallower in the temporary wells further south. Groundwater samples were collected from the temporary monitoring wells after they were installed using new tubing and a peristaltic pump for low-flow rate sampling at each sample location. Samples for lead analysis were field filtered prior to preservation. Groundwater samples for laboratory analysis were containerized in laboratory-supplied sample containers and preserved as required by the analytical method.

Following completion of groundwater sampling, the PVC screen and riser pipe were completely removed, and the borings were backfilled with bentonite. Borehole Filling/Sealing Forms (Form 3300-005) are provided in Appendix A.

3.4 Laboratory Analytical Methods and Quality Control

A total of 16 soil samples were collected for laboratory analysis. Soil samples were submitted to Pace Analytical Laboratories (Pace), located in Green Bay, Wisconsin, for one or more of the following analyses:

- Volatile organic compounds (VOCs, USEPA method SW846-8260)
- Polycyclic aromatic hydrocarbons (PAHs; USEPA method SW846-8270SIM)
- Polychlorinated biphenyls (PCBs; USEPA method SW846-8080)
- Lead (USEPA methods: SW846-6010)

The results of the soil laboratory analyses are included on Table 2.

Groundwater samples from the four temporary monitoring wells were analyzed for VOCs. One duplicate sample was collected from SP-5. The results of the groundwater laboratory analysis are included in Table 3.

Soil and groundwater results are depicted on Figure 3.

3.5 Investigative Waste Management

Soil collected during the Phase II ESA activities was bagged/jarred and used for soil screening, laboratory testing, and soil classification. Soil residuals not utilized for analytical testing were thinly spread next to the borehole. Minimal purge water was generated prior to sampling and water not collected for sampling was placed on the ground next to the boring. All other investigation-derived waste (*e.g.,* sampling sleeves, PPE, *etc.*) was disposed of by AECOM as general refuse.

4. Results

The laboratory analytical data were validated with reference to the USEPA National Functional Guidelines and the data validation memoranda are included in Appendix B. The data were considered acceptable for use and appropriate qualifications were added to the results (Table 2 and Table 3). One soil sample for MS/MSD and one groundwater field duplicate were collected. The groundwater duplicate was evaluated and the calculated relative percent differences (RPD) were within the acceptance criteria. See the data validation memo for the calculated RPD by analyte. One trip blank accompanied each sample set, soil and groundwater. Analytes were not detected in either trip blank.

Soil analytical results are compared to the generic RCLs per WAC Ch. NR 720 and Wisconsin Background Threshold Values (BTVs), where established. Generic RCLs were those calculated by WDNR (December 2018) using the USEPA Regional Screening Level Web Calculator in accordance with WDNR Draft PUB-RR-890. The soil laboratory analytical reports are included in Appendix C.

Groundwater analytical results are compared to Wisconsin Groundwater Quality standards in WAC Ch. NR 140.10 (February 2021). Wisconsin has two levels of groundwater quality standards. The first level, the Preventive Action Limit (PAL), is a concentration that is 10% (for carcinogenic, mutagenic or teratogenic compounds) to 20% (non-carcinogenic) of the Enforcement Standards (ES). The PAL has been established as the concentration at which notification to the WDNR is required. Remedial action is not always required if a PAL is exceeded. The ES is a health-risk based concentration and exceedances of ESs usually result in further subsurface investigation, remedial action requirements, or monitoring. The groundwater laboratory analytical reports are included in Appendix C.

4.1 Subsurface Conditions

Three to 21 feet of gravel fill were encountered on the site. The thickest fill appears to be in the vicinity of the former coal bin which provided fuels to the boiler formerly located in the northeast corner of the manufacturing building. An average of five feet of fill is found over the remaining portions of the property. Below the fill a medium grained sand was identified in each of the borings (except SP-4 which was fill to the total depth of the boring).

Groundwater was encountered at approximately 14 to 17 feet bgs on the north side of the property and was more shallow, down slope, on the south side of the property.

4.2 Evaluation of Recognized Environmental Conditions

Two RECs were identified by AECOM in the Phase I ESA:

- The historical industrial use of the subject property for manufacturing (of wagons and truck trailers) from the 1890s through the early 2000s, housing processes like machine shops and spray painting.
- The reported contaminated soils at the subject property with PAHs, arsenic, and lead concentrations detected above the NR720 RCLs.

The analytes selected for laboratory analysis were based on both the prior results from 2009 and the former manufacturing processes. The results will be discussed by analyte group.

4.2.1 Volatile Organic Compounds (VOCs)

Soil samples were collected from the fill and from the native soils below the fill. VOCs were not detected in the samples collected for this assessment. Similarly, VOCs were not detected above established groundwater quality standards in the groundwater samples collected. Based on these results the spray painting manufacturing area does not appear to have had a release to the environment.

4.2.2 Polycyclic Aromatic Hydrocarbons (PAH)

The results of the 2009 *Contamination Assessment* by Ayres identified PAHs exceeding standards in 2009. However, the RCLs have been revised after 2009 and a comparison to the more recent RCL concentrations shows that a few of the detected concentrations still exceed the non-industrial direct contact RCL. The RCL exceedances appear limited in extent with five locations having one or more PAH analyte exceed a current standard. In each case the exceedances occurred in fill soil and the locations are scattered on the site without an apparent pattern.

PAHs were detected in five of the 16 soil samples analyzed. Only one soil sample (SP-8 1-2 ft bgs) had PAH concentrations that exceeded either the non-industrial direct contact RCL or the groundwater pathway RCL. The SP-8 soil sample location was in an area not previously assessed, and the exceedances occurred in the fill soil.

4.2.3 Polychlorinated Biphenyls (PCBs)

PCB analysis was conducted on the shallow sample collected in the fill soil at each sample location. PCBs were not detected in any of the samples collected above laboratory reporting limits.

4.2.4 Arsenic and Lead

The results of the 2009 *Contamination Assessment* by Ayres identified arsenic and lead exceeding standards in 2009. AECOM reviewed the arsenic concentrations detected in the Ayres assessment and only one sample exceeded the BTV of 8 milligrams per kilogram (mg/kg) in P-6 with a value of 10.5 mg/kg, which is just slightly above the BTV. As a single result, this arsenic occurrence did not likely represent a concern and further evaluation was not conducted in this assessment.

A larger number of samples had a concentration of lead higher than the 2009 RCLs. However, when compared to current RCLs, only two samples (P-3 and MW-3) exceed current RCLs for direct contact. Three other samples (P-1, P-4 and MW-2) had lead concentrations that exceed the current groundwater pathway RCL.

In this current assessment, lead was detected in each sample collected, but exceeded the non-industrial direct contact RCL in the first sample from SP-7 and the groundwater pathway RCL at two other locations (SP-2 and SP-5). Using the current assessment concentrations and the 2009 concentrations, the lead impacted soil appears to be the fill soil, in the upper two feet in the northeast corner (at former MW-3) and in the southeast corner, where the lead concentrations above current non-industrial direct contact are located at P-3 from 2009 and SP-7 of this current assessment. The extent of lead impact is partially defined.

5. Conclusions

AECOM's assessment of subsurface conditions at the site are:

- Additional releases to the environment associated with former manufacturing operations were not identified except for the PAHs and lead contamination in the fill which had been identified previously in the Ayres 2009 *Contamination Assessment*.
- Concentrations of PAHs and lead above RCLs were identified in the fill soils.
- VOCs were not detected in the groundwater and it appears that the former spray painting operations did not cause a release of VOCs to the environment.

6. Recommendations

The site appears to be ready for redevelopment. However, the extent of lead-impacted soil should be further defined. Fill soil with the PAH and lead concentrations above RCLs must be managed appropriately during redevelopment.

7. General Qualifications

The purpose of this environmental assessment is to investigate possible soil and/or groundwater impacts, and related liabilities, associated with past and current property uses. The extent of the investigation is limited to the area and location described in this report. The scope of work did not include the evaluation of potential emerging contaminants including Per- and polyfluoroalkyl substances (PFAS) concerns.

AECOM has prepared this report at the request of its client. AECOM assumes responsibility for the accuracy of the report's content, subject to what is stated elsewhere in this section. AECOM recommends the report be used only for the purpose intended by the client and AECOM, as stated in the report. AECOM disclaims responsibility for the application or interpretation of the results by anyone other than the client. Reliance on the contents of this report by anyone other than the client, without the prior expressed written consent of AECOM, is done at the sole risk of the user.

The results, conclusions, and recommendations presented in this report are based on the data obtained from a limited number of soil boring locations and at the soil sample and groundwater sample locations as indicated in this report. Variations in conditions can occur between these boring, soil sample, and groundwater sample locations. In addition, seasonal and annual fluctuations of the groundwater table, which may influence the distribution of contaminants, can occur. Actual groundwater flow rates may vary from those estimated in this report based on soil conditions.

This report has been prepared in conformance with the care and skill ordinarily exercised by reputable members of the professional engineering community practicing under similar conditions at the same time in the same or similar locality. No other warranty of any kind, expressed or implied, at common law or created by statute, is extended, made, or intended.

8. References

Ayres Associates, 2009. *Contamination Assessment Report, Highway Trailer Building, 501 E. South Street, Stoughton, Wisconsin*.

Cline, Denzel R. *Geology and Ground-Water Resources of Dane County, Wisconsin*, dated 1965.

Klein, Gail R. *Determination of Eligibility for Moline Plow Company: Mandt Wagon Company Branch*. November 15, 2016.

Stoughton Redevelopment Authority (RDA). Application for Brownfields Federal Assessment Wisconsin Assessment Monies. July 8, 2020.

Web Soil Survey. U.S. Department of Agriculture, Natural Resources Conservation Service website - http://websoilsurvey.nrcs.usda.gov/app/

Tables

Table 1 – Soil Sample Selection Rationale
Table 2 – Analytes Detected in Soil Samples
Table 3 – Analytes Detected in Groundwater Samples

Table 1
Soil Sample Selection Rationale
WCS-106 Highway Trailer Site, Stoughton, WI

Sample Location Identification	Location	Description/Rationale	Sample Type and Depth (feet below ground surface)	Analysis Conducted
SP-1	Northwest Corner	Fill was seven feet thick and coarse grained, poor recovery in sampler, sample collected from first interval of native soil. Second sample was collected just above the water table .	Soil 9-10	VOCs, PAHs, Lead, PCBs
			Soil 13-14	VOCs, PAHs, Lead
SP-1 Temp well			GW	VOCs
SP-2	West side of property	Fill was three feet thick and sample collected to evaluate the nature of the fill. Second sample was collected above the apparent water table .	Soil 1-2	VOCs, PAHs, Lead, PCBs
			Soil 9-10	VOCs, PAHs, Lead
SP-3	Northeast corner	Fill was seven feet thick and first sample was collected to evaluate the fill characteristics for direct contact risk. Second sample was collecte as base of the boring, water table not apparent.	Soil 1-2	VOCs, PAHs, Lead, PCBs
			Soil 14-15	VOCs, PAHs, Lead
SP-4	Northeast corner of property-probable former coal bin	Fill encountered for the full lengh of the boring (21 feet). Sample selected from stained fines included with the gravel. Sample collected from one foot above the apparent water table, no PID readings, staining or odor.	Soil 1-2	VOCs, PAHs, Lead, PCBs
			Soil 13-14	VOCs, PAHs, Lead
SP-4 Temp well			GW	VOCs
SP-5	East side of property	Mottled clay selected for sample to evaluate direct contact risk. Second sample was collected above the apparent water table .	Soil 1-2	VOCs, PAHs, Lead, PCBs
			Soil 6-7	VOCs, PAHs, Lead
SP-5 Temp well			GW	VOCs
SP-6	Southern portion of property	Five feet of mixed clayey fill over sand. Sample collected to evaluate direct contact risk. Sample collected at base of fill due to stained sand.	Soil 2-3	VOCs, PAHs, Lead, PCBs
			Soil 4.5-5.5	VOCs, PAHs, Lead
SP-7	Southeast corner of property	Slightly more than 5 feet of clayey fill over sand. Sample collected to evaluate direct contact risk. Sample collected to evaluate the historic surface soil below fill.	Soil 1-2	VOCs, PAHs, Lead, PCBs
			Soil 5-6	VOCs, PAHs, Lead
SP-7 Temp well			GW	VOCs
SP-8	Southeast corner of property	Slightly more than 5 feet of clayey fill over sand. Sample collected to evaluate direct contact risk. Sample collected to evaluate the historic surface soil below fill.	Soil 1-2	VOCs, PAHs, Lead, PCBs
			Soil 5-6	VOCs, PAHs, Lead

Notes:

VOCs	Volatile Organic Compounds
PAHs	Polycyclic Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
RCRA Metals	Resource Conservation and Recovery (RCRA) Metals (arsenic, barium, cadmium, chromium, mercury, lead, selenium & silver)

Table 2
Analytes Detected in Soil Sample
Former Highway Trailer Site, Stoughton, WI

Parameters	Generic RCLs			SP-1		SP-2		SP-3		SP-4	
	Direct Contact Pathway		Groundwater Pathway	9 - 10 ft	13 - 14 ft	1 - 2 ft	9 - 10 ft	1 - 2 ft	14 - 15 ft	1 - 2 ft	13 - 14 ft
	Non-Industrial	Industrial		3/26/2021	3/26/2021	3/26/2021	3/26/2021	3/26/2021	3/26/2021	3/26/2021	3/26/2021
PAHs (µg/kg)											
1-Methylnaphthalene	17600	72700	--	< 2.6	< 2.6	5.9 [J]	< 2.6	< 3.0	< 2.5	< 3.0	< 2.5
2-Methylnaphthalene	239000	3010000	--	< 2.6	< 2.6	10.5 [J]	< 2.6	< 3.0	< 2.5	< 3.0	< 2.5
Acenaphthene	3590000	45200000	--	< 2.3	< 2.3	< 2.3	< 2.3	< 2.7	< 2.2	< 2.7	< 2.2
Acenaphthylene	--	--	--	9.4 [J]	< 2.2	10.9 [J]	< 2.2	< 2.6	< 2.2	< 2.6	< 2.2
Anthracene	17900000	100000000	196949.2	5.1 [J]	< 2.2	12.4 [J]	< 2.2	< 2.6	< 2.1	< 2.6	< 2.1
Benzo(a)anthracene	1140	20800	--	22.6	< 2.3	34.6	< 2.3	< 2.7	< 2.2	< 2.7	< 2.2
Benzo(a)pyrene	115	2110	470	18.8	< 2.0	38.3	< 2.0	< 2.4	< 2.0	< 2.3	< 2.0
Benzo(b)fluoranthene	1150	21100	478.1	36.8	< 2.5	68.3	< 2.4	< 2.9	< 2.4	< 2.9	< 2.4
Benzo(g,h,i)perylene	--	--	--	21.8	< 3.1	38.3	< 3.1	< 3.6	< 3.0	< 3.6	< 3.0
Benzo(k)fluoranthene	11500	211000	--	11.4 [J]	< 2.3	18.7	< 2.2	< 2.7	< 2.2	< 2.6	< 2.2
Chrysene	115000	2110000	144.2	26.7	< 3.3	44.4	< 3.3	< 3.9	< 3.3	< 3.9	< 3.3
Dibenzo(a,h)anthracene	115	2110	--	7.1 [J]	< 2.4	11.1 [J]	< 2.4	< 2.9	< 2.4	< 2.9	< 2.4
Fluoranthene	2390000	30100000	88877.8	34.2	< 2.1	84.1	< 2.1	< 2.5	< 2.0	< 2.4	< 2.0
Fluorene	2390000	30100000	14829.9	< 2.1	< 2.1	< 2.1	< 2.1	< 2.5	< 2.1	< 2.5	< 2.1
Indeno(1,2,3-cd)pyrene	1150	21100	--	17.3 [J]	< 3.7	30.7	< 3.6	< 4.3	< 3.6	< 4.3	< 3.6
Naphthalene	5520	24100	658.2	< 2.5 [U]	< 1.7	< 7.4 [U]	< 1.7	< 4.9 [U]	< 1.7	< 2.0	< 1.7
Phenanthrene	--	--	--	12.2 [J]	< 2.0	51.3	< 2.0	< 2.4	< 2.0	< 2.4	< 2.0
Pyrene	1790000	22600000	54545.5	29.7	< 2.6	75.9	< 2.6	< 3.1	< 2.5	< 3.0	< 2.5
Metals (mg/kg)											
Lead	400	800	27	4.1	1.4 [J]	**51.9** [C]	0.76 [J]	20.1	1.1 [J]	8.1	2.8

Notes: VOCs and PCBs were analyzed, but were not detected.

PAHs = Polynuclear Aromatic Hydrocarbons

ug/kg = Micrograms per kilogram.

mg/kg = Micrograms per kilogram.

[A] = Parameter exceeds Generic RCL for Non-Industrial Direct Contact.

[B] = Parameter exceeds Generic RCL for Industrial Direct Contact (none).

[C] = Parameter exceeds Generic RCL for Groundwater Pathway.

[J] = Estimated value (+/- indicate bias).

[U] = Result qualified nondetect due to laboratory contamination.

-- = No generic RCL established.

Generic RCLs Dec 2018 per WDNR PUB-RR-890.

Table 2
Analytes Detected in Soil Samples
Former Highway Trailer Site, Stoughton, WI

Parameters	Generic RCLs			SP-5		SP-6		SP-7		SP-8	
	Direct Contact Pathway		Groundwater Pathway	1 - 2 ft	6 - 7 ft	2 - 3 ft	4.5 - 5.5 ft	1 - 2 ft	5 - 6 ft	1 - 2 ft	5 - 6 ft
	Non-Industrial	Industrial		3/26/2021	3/26/2021	3/26/2021	3/26/2021	3/26/2021	3/26/2021	3/26/2021	3/26/2021
PAHs (µg/kg)											
1-Methylnaphthalene	17600	72700	--	< 3.1	< 2.8	< 2.7	3.1 [J] [J]	119	< 2.8	< 14.1	< 2.6
2-Methylnaphthalene	239000	3010000	--	< 3.1	< 2.8	< 2.7	3.7 [J] [J]	209	< 2.8	< 14.2	< 2.6
Acenaphthene	3590000	45200000	--	< 2.7	< 2.5	< 2.4	< 2.7	2.8 [J]	< 2.5	30.1 [J]	< 2.3
Acenaphthylene	--	--	--	< 2.7	< 2.4	< 2.3	< 2.6	4.1 [J]	< 2.4	< 12.2	< 2.3
Anthracene	17900000	100000000	196949.2	< 2.6	< 2.4	< 2.3	< 2.6	8.3 [J]	< 2.4	56.7 [J]	< 2.2
Benzo(a)anthracene	1140	20800	--	< 2.7	< 2.5	2.6 [J]	< 2.7	21.5	< 2.5	361	< 2.3
Benzo(a)pyrene	115	2110	470	< 2.4	< 2.2	< 2.1	< 2.4	19.8 [J]	< 2.2	**363** [A]	< 2.0
Benzo(b)fluoranthene	1150	21100	478.1	< 2.9	< 2.6	< 2.6	< 2.9	32.3	< 2.6	**638** [C]	< 2.5
Benzo(g,h,i)perylene	--	--	--	< 3.7	< 3.3	< 3.3	< 3.7	37.2	< 3.3	319	< 3.2
Benzo(k)fluoranthene	11500	211000	--	< 2.7	< 2.4	< 2.4	< 2.7	8.1 [J]	< 2.4	215	< 2.3
Chrysene	115000	2110000	144.2	< 4.0	< 3.6	< 3.5	< 3.9	28.3	< 3.6	**443** [C]	< 3.4
Dibenzo(a,h)anthracene	115	2110	--	< 2.9	< 2.6	< 2.6	< 2.9	11.8 [J]	< 2.6	80.9 [J]	< 2.5
Fluoranthene	2390000	30100000	88877.8	< 2.5	< 2.2	2.9 [J]	< 2.5	40.8	< 2.3	882	< 2.1
Fluorene	2390000	30100000	14829.9	< 2.5	< 2.3	< 2.2	< 2.5	< 2.4	< 2.3	18.3 [J]	< 2.2
Indeno(1,2,3-cd)pyrene	1150	21100	--	< 4.4	< 4.0	< 3.9	< 4.3	19.9 [J]	< 4.0	272	< 3.8
Naphthalene	5520	24100	658.2	< 2.0	< 1.8	< 2.8 [U]	< 7.6 [U]	164	< 1.9	< 9.4	< 1.8
Phenanthrene	--	--	--	< 2.4	< 2.2	5 [J]	< 2.4	140	< 2.2	384	< 2.1
Pyrene	1790000	22600000	54545.5	< 3.1	< 2.8	< 2.7	< 3.1	32.4	< 2.8	670	< 2.6
Metals (mg/kg)											
Lead	400	800	27	14.5	**27.9** [C]	15.9	8.1	**632** [AC]	1.8 [J]	20.6	0.87 [J]

Notes: VOCs and PCBs were analyzed, but were not detected.
PAHs = Polynuclear Aromatic Hydrocarbons
ug/kg = Micrograms per kilogram.
mg/kg = Micrograms per kilogram.
[A] = Parameter exceeds Generic RCL for Non-Industrial Direct Contact.
[B] = Parameter exceeds Generic RCL for Industrial Direct Contact (none).
[C] = Parameter exceeds Generic RCL for Groundwater Pathway.
[J] = Estimated value (+/- indicate bias).
[U] = Result qualified nondetect due to laboratory contamination.
-- = No generic RCL established.
Generic RCLs Dec 2018 per WDNR PUB-RR-890.

Table 3
Analytes Detected in Groundwater Samples
Former Highway Trailer Site, Stoughton, WI

Well Location	Sample Date	Benzene (ug/l)	Ethylbenzene (ug/l)	Toluene (ug/l)	Trichloro fluoro methane (ug/l)
SP-1	3/26/2021	< 0.25	< 0.32	< 0.27	2.7
SP-4	3/26/2021	< 0.25	< 0.32	< 0.27	< 0.21
SP-5	3/26/2021	0.32 [J]	0.37 [J]	0.88 [J]	< 0.21
SP-5 DUP	3/26/2021	0.31 [J]	0.34 [J]	0.83 [J]	< 0.21
SP-7	3/26/2021	< 0.25	< 0.32	0.48 [J]	< 0.21
	PAL	0.5	140	160	698
	ES	5	700	800	3490

Notes:

ug/L = micrograms per liter

[J] - Estimated concentration between reporting limit and method detection limit.

PAL - Preventive Action Limit, Wisconsin Administrative Code NR 140.10 Table 1, February 2021 exceedances are *underlined italics* .

ES - Enforcement Standard, Wisconsin Administrative Code NR 140.10 Table 1, February 2021, exceedances are **bold**.

Figures

Figure 1 Site Location
Figure 2 Site Layout and Sample Locations
Figure 3 Soil and Groundwater Results

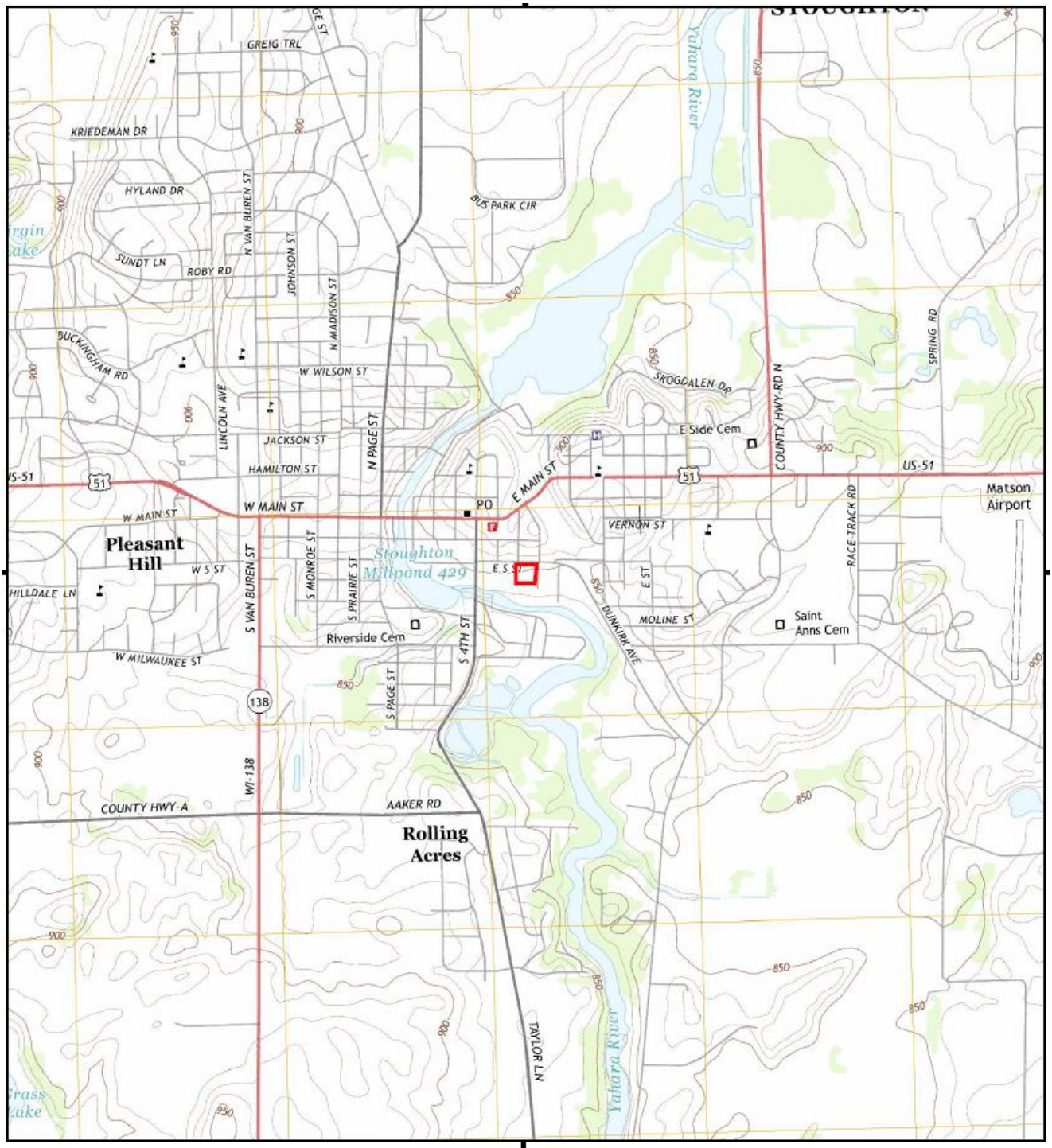


Image source: USGS 7.5 minute topographic map, Stoughton, WI, 2013

0 Miles 0.25 0.5 1 1.5

QUADRANGLE LOCATION

NORTH

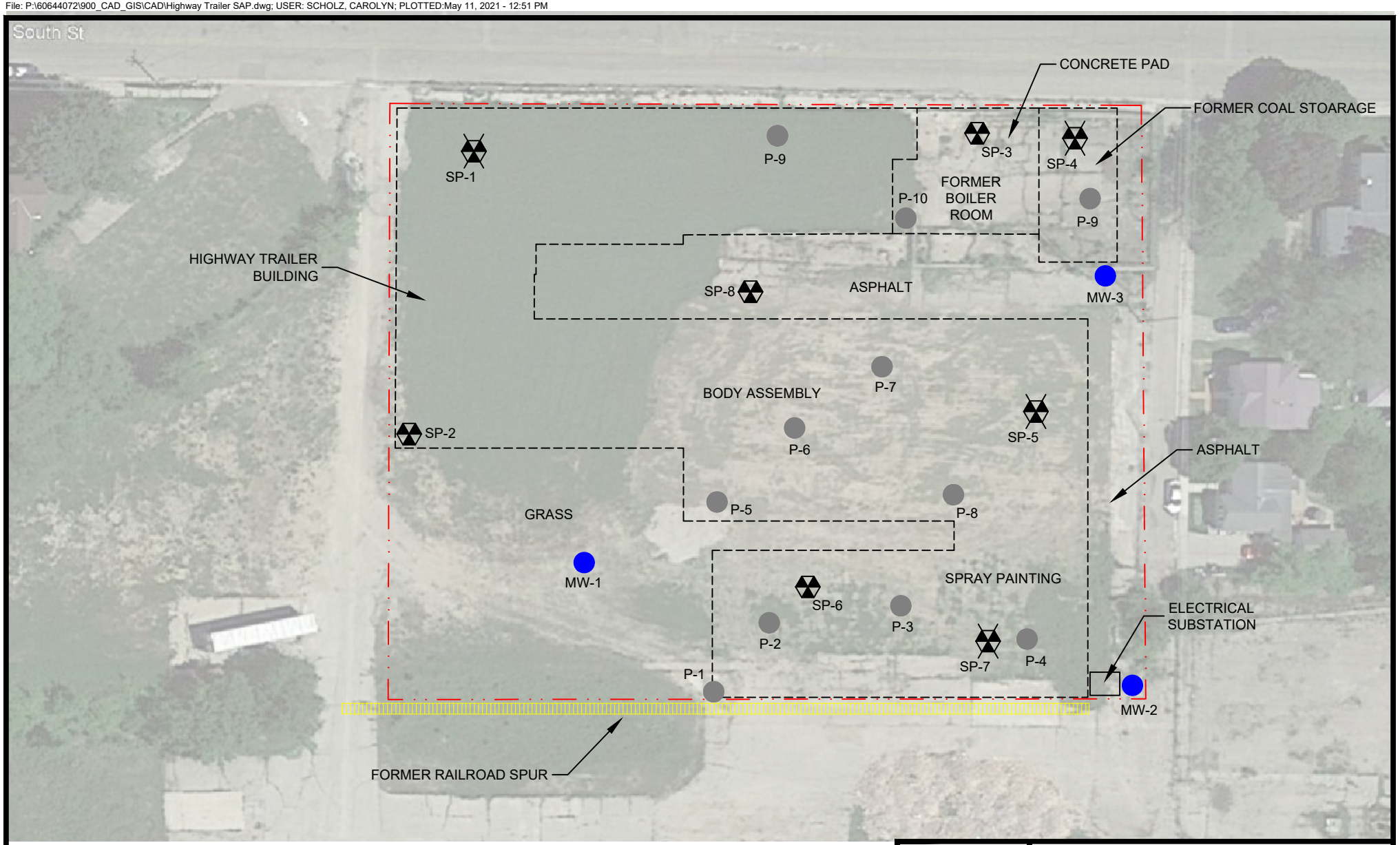
AECOM
303 E. Wacker Drive
Chicago, IL 60601
(312) 373-7700

501 E. South Street
Stoughton, WI

SITE LOCATION

Project Number:	Drawn By:	Date:	Figure No. 1
60644072	JMK	10/26/2020	

File: P:\60644072\900_CAD_GIS\CAD\Highway Trailer SAP.dwg; USER: SCHOLZ, CAROLYN; PLOTTED:May 11, 2021 - 12:51 PM



Legend

- Approximate Subject Property Boundary
- Monitoring Well Location (2009) - Lost
- Soil Boring Location (2009)
- Former Building Location
- Proposed Boring
- Proposed Boring/Temporary Well

0' 30' 60' 120'
SCALE

N

AECOM
Milwaukee Office
1555 RiverCenter Dr
Milwaukee, WI
414.944.6080

AECOM

HIGHWAY TRAILER SITE
501 E. SOUTH STREET
STOUGHTON, WI

SITE LAYOUT AND
SAMPLE LOCATIONS

Project Number:	Drawn By:	Date:	Figure No. 2
60644072	CAS	1/15/2021	

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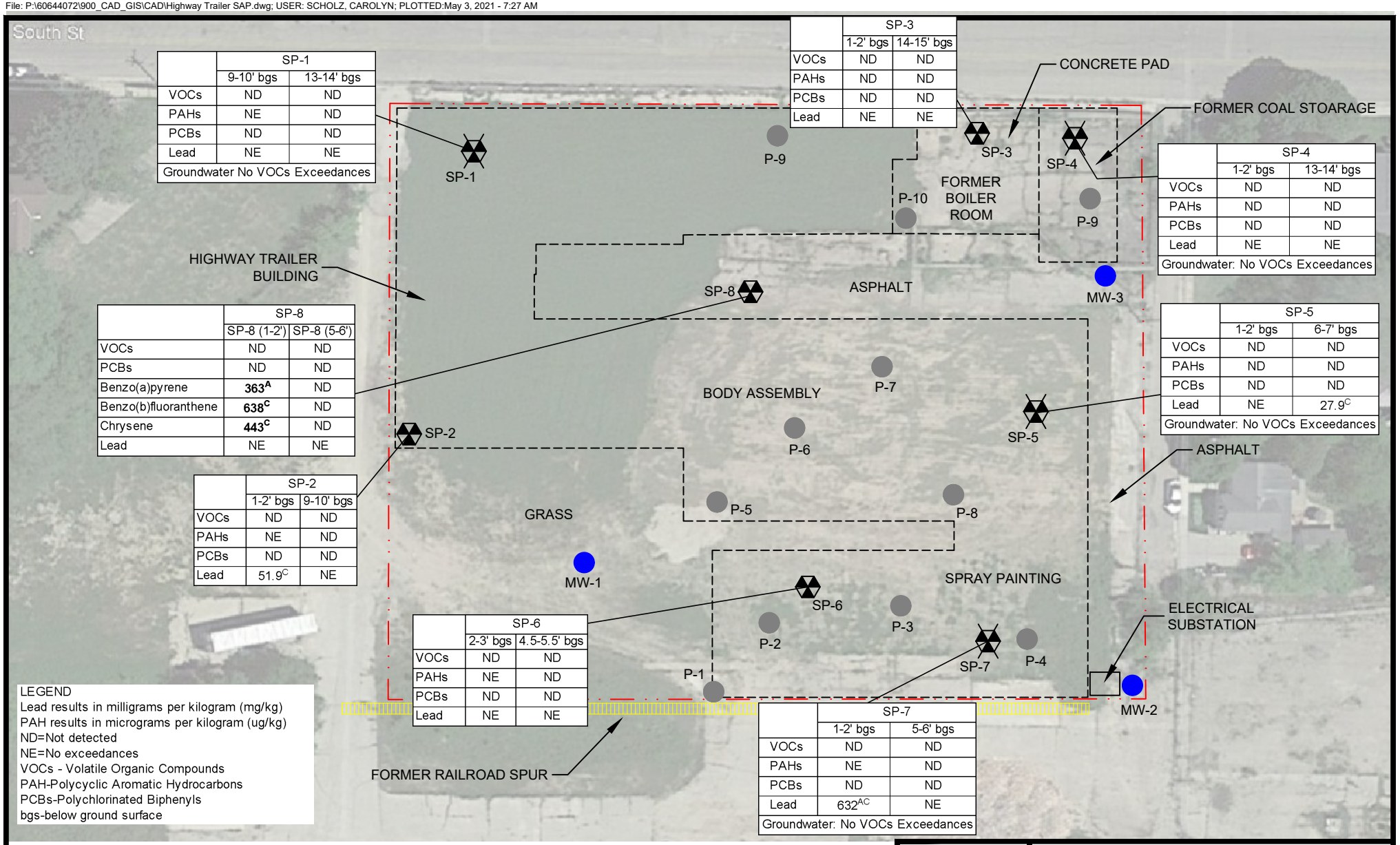

	SP-1	
	9-10' bgs	13-14' bgs
VOCs	ND	ND
PAHs	NE	ND
PCBs	ND	ND
Lead	NE	NE
Groundwater No VOCs Exceedances		

	SP-3	
	1-2' bgs	14-15' bgs
VOCs	ND	ND
PAHs	ND	ND
PCBs	ND	ND
Lead	NE	NE

	SP-4	
	1-2' bgs	13-14' bgs
VOCs	ND	ND
PAHs	ND	ND
PCBs	ND	ND
Lead	NE	NE
Groundwater: No VOCs Exceedances		

	SP-8	
	SP-8 (1-2')	SP-8 (5-6')
VOCs	ND	ND
PCBs	ND	ND
Benzo(a)pyrene	**363[A]**	ND
Benzo(b)fluoranthene	**638[C]**	ND
Chrysene	**443[C]**	ND
Lead	NE	NE

	SP-5	
	1-2' bgs	6-7' bgs
VOCs	ND	ND
PAHs	ND	ND
PCBs	ND	ND
Lead	NE	27.9[C]
Groundwater: No VOCs Exceedances		

	SP-2	
	1-2' bgs	9-10' bgs
VOCs	ND	ND
PAHs	NE	ND
PCBs	ND	ND
Lead	51.9[C]	NE

	SP-6	
	2-3' bgs	4.5-5.5' bgs
VOCs	ND	ND
PAHs	NE	ND
PCBs	ND	ND
Lead	NE	NE

	SP-7	
	1-2' bgs	5-6' bgs
VOCs	ND	ND
PAHs	NE	ND
PCBs	ND	ND
Lead	632[AC]	NE
Groundwater: No VOCs Exceedances		

LEGEND
Lead results in milligrams per kilogram (mg/kg)
PAH results in micrograms per kilogram (ug/kg)
ND=Not detected
NE=No exceedances
VOCs - Volatile Organic Compounds
PAH-Polycyclic Aromatic Hydrocarbons
PCBs-Polychlorinated Biphenyls
bgs-below ground surface

Legend

- Approximate Subject Property Boundary
- Monitoring Well Location (2009) - Lost
- Soil Boring Location (2009)
- Former Building Location
- Boring
- Boring/Temporary Well

0' 30' 60' 120'
SCALE

N

AECOM
Milwaukee Office
1555 RiverCenter Dr
Milwaukee, WI
414.944.6080

HIGHWAY TRAILER SITE
501 E. SOUTH STREET
STOUGHTON, WI

SOIL AND GROUNDWATER RESULTS

Project Number: 60644072 | Drawn By: CAS | Date: 5/3/2021

Figure No. 3

Appendix A Soil Boring Logs and Abandonment Forms

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Highway Trailer Site		SP-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi Onsite Environmental	3/26/2021	3/26/2021	geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			14.50 Feet MSL	Feet MSL	

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R
Lat ____ ° ____ ' ____ "
Long ____ ° ____ ' ____ "
Local Grid Location ☐ N ☐ E
Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Dane	13	Stoughton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	60 32			FILL: Clay, very dark gray (7.5YR 3/1), medium to high plastic, medium stiff, moist, cohesive, roots	Fill			0.0						Start 0919
			1	FILL: Medium to fine sand and subangular-subrounded gravel, brown (10YR 5/3) mottled with light gray (10YR 7/1) and red (2.5YR 4/6), medium to dense, large red brick chunks, small black mottles toward bottom, dry										
			2											
			3		Fill									
			4											
2	60 36		5											
			6											
				Large crushed rocks	Fill									
			7	FILL: Crushed Concrete, light gray (7.5YR 7/1)	Fill			0.0						
				Fine to medium sand with trace subangular gravel, pale brown (10YR 6/3), Medium dense to loose, dry										
			8											
			9		SP									
3	60 40		10											
			11					0.0						
			12											

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

Signature	Firm AECOM	Tel: Fax:

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

Boring Number SP-1 Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Fine to medium sand with trace subangular gravel, pale brown (10YR 6/3), Medium dense to loose, dry *(continued)*	SP									
			13											
			14											
				Wet around 14.5										
4	60 27		15	Medium sand with rounded gravel and some silt, pale brown (10YR 6/3), medium dense to loose, wet	SP			0.1						
			16											
				Silty fine sand, brown (10YR 4/3), dense, wet	SP									
			17											
			18											
			19											
			20	End of boring at 20 feet bgs Well screened 10-20 feet bgs										End at 0952

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Highway Trailer Site		SP-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi Onsite Environmental	3/26/2021	3/26/2021	geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			10.00 Feet MSL	Feet MSL	

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R
Lat ____ ° ____ ' ____ "
Long ____ ° ____ ' ____ "
Local Grid Location ☐ N ☐ E
Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Dane	13	Stoughton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	60 31		1	FILL: Fine to medium sand with subrounded gravel and coarse sand, brown (7.5YR 5/4) and (7.5YR 4/3), dry	Fill			0.0						Start at 0855
			2	FILL: Poorly graded medium sand, pinkish gray (7.5YR 6/2), dry, medium dense	Fill									
				FILL: Clay with medium to fine sand and trace gravel, dark brown (7.5YR 3/2), medium stiff, moist, medium plastic, cohesive	Fill									
			3	Poorly graded fine to medium sand, light brown (7.5YR 6/3), subrounded, medium dense, dry to moist to wet at 10 feet										
			4											
2	60 30		5											
			6					0.0						
			7		SP									
			8											
			9											
3	60 60		10											
			11					0.0						
			12											

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

Signature	Firm AECOM	Tel: Fax:

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

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

Sample									Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Poorly graded fine to medium sand, light brown (7.5YR 6/3), subrounded, medium dense with thin silt layers	SP									
			13	Poorly graded fine to medium sand, light brown (7.5YR 6/3), subrounded, medium dense	SP									
			14											
			15	End of boring at 15 feet bgs										End at 0910

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Highway Trailer Site		SP-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi Onsite Environmental	3/26/2021	3/26/2021	geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			15.50 Feet MSL	Feet MSL	

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R
Lat ____ ° ____ ' ____ "
Long ____ ° ____ ' ____ "
Local Grid Location ☐ N ☐ E
Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Dane	13	Stoughton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	60 30			FILL: Gravel, black (7.5YR 2/5), subrounded with fine sand, loose, dry	Fill									
			1	FILL: Very fine to medium sand with subangular gravel, yellowish brown (10YR 6/4) and grades to pale brown (10YR 6/3), loose to medium dense, dry, increase in moistness	Fill			0.0						
			2	FILL: Silty clay, with increased silt at 1.5 ft, red (7.5YR 2/6) grading to reddish brown(5YR 4/4), medium stiff, plastic, cohesive, moist to wet in silt										
			3		Fill									
			4											
			5											
2	60 24			FILL: Clay with trace silt, yellowish brown (10YR 5/4), stiff, medium to high plastic, moist, cohesive, some orange/reddish brown stains	Fill									
			6	FILL: Medium and with trace clay and silt, brown (7YR 4/3), medium dense, low to non plastic, cohesive to non cohesive, moist	Fill			0.0						
			7	Medium to fine subrounded sand with trace subrounded gravel, pale brown (10YR 6/3), loose-medium dense, moist										
			8											
			9		SP									
			10											
3	60 34													
			11					0.0						
			12											

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

Signature	Firm AECOM	Tel: Fax:

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

Boring Number SP-3 Use only as an attachment to Form 4400-122.

Sample									Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Medium to fine subrounded sand with trace subrounded gravel, pale brown (10YR 6/3), loose-medium dense, moist *(continued)*	SP									
			13											
				Yellowish brown (10YR 5/4) silt lense at 13.5 feet bgs										
			14	Increase in gravel from 14-14.5 feet bgs										
			15	End of boring at 15 feet bgs										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Highway Trailer Site		SP-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi Onsite Environmental	3/26/2021	3/26/2021	geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			14.00 Feet MSL	Feet MSL	

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R
Lat ____ ° ____ ' ____ "
Long ____ ° ____ ' ____ "
Local Grid Location ☐ N ☐ E
Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Dane	13	Stoughton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	60 28		1	FILL: Black gravel, loose, over fine silty sand with some subrounded gravel yellowish brown (10YR 6/4), dry to moist.	Fill			0.0						Start at 1045
			2 3 4	FILL: Silty clay grading to clay, yellowish brown (10YR 4/4 to 4/6) some mottling in the upper 2 feet, lower portion more plastic and cohesive	Fill									
2	60 27		5 6											
			7 8 9	FILL: Fine to medium sand with gravel and large subrounded cobbles, dark brown (10YR 3/3), moist Yellowish brown (10YR 5/6) stain at 9 feet bgs	Fill			0.0						
3	60 38		10	FILL: Poorly graded fine sand with trace gravel, yellowish brown (10YR 5/4), loose, moist	Fill									
			11 12	FILL: Fine to coarse sand and gravel, pale brown (10YR 6/3), subrounded to subangular, loose, moist	Fill			0.0						

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

Signature	Firm AECOM	Tel: Fax:

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

Boring Number SP-4 Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				FILL: Fine to coarse sand and gravel, pale brown (10YR 6/3), subrounded to subangular, loose, moist *(continued)*										
			13		Fill			0.0						
			14	Moist to wet at 14 feet										
			15											
4	60 38			FILL: Fine to coarse sand, yellowish brown (10YR 5/4), medium dense, non cohesive, moist to wet										
			16		Fill									
			17					0.0						
				FILL: Gravel, yellowish brown (10YR 5/4), subrounded to subangular, loose, wet										
			18											
			19		Fill									
			20											End at 1058
				End of boring at 21 feet bgs Well screened 11-21 feet bgs										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Highway Trailer Site		SP-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi Onsite Environmental	3/26/2021	3/26/2021	geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			8.00 Feet MSL	Feet MSL	

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R
Lat ____ ° ____ ' ____ "
Long ____ ° ____ ' ____ "
Local Grid Location ☐ N ☐ E
Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Dane	13	Stoughton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	60 48			FILL: Clay, very dark gray (7.5YR 3/1), medium stiff, plastic, moist, cohesive, roots	Fill									
			1	FILL: Very fine to medium sand with gravel, grayish brown (10YR 5/2), subangular to subrounded, medium dense to loose, dry to slightly moist, non plastic, non cohesive	Fill									
			2	FILL: Clay with trace fines, dark yellowish brown (10YR 4/4), small black, yellow brown and reddish brown mottles, stiff, high plastic, moist, cohesive, increasing fines and sand towards bottom, medium plastic	Fill			0.0						
			3											
			4											
2	60 28		5	Fill: Fine sandy clay, dark yellowish brown (10YR 4/4), medium to soft, medium to low plasticity, moist, cohesive	Fill									
			6	Fine to medium sand with few subrounded gravel, brown (10YR 5/3), dry to moist	SP									
			7					0.0						
			8											
			9											
3	60 25		10	Sand with few fines and trace subrounded gravel, brown (10YR 5/3), fine to coarse, wet	SP									
			11					0.0						
			12											

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

Signature	Firm AECOM	Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

Boring Number SP-5 Use only as an attachment to Form 4400-122.

Sample									Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Sand with few fines and trace subrounded gravel, brown (10YR 5/3), fine to coarse, wet *(continued)*	SP			0.0						
			13											
			14											
			15	End of boring at 15 feet bgs										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Highway Trailer Site		SP-6

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi Onsite Environmental	3/26/2021	3/26/2021	geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			7.00 Feet MSL	Feet MSL	

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R
Lat ____ ° ____ ' ____ "
Long ____ ° ____ ' ____ "
Local Grid Location ☐ N ☐ E
Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Dane	13	Stoughton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	60 41		1 2 3 4	FILL: Fine to medium yellowish brown Sand (4-inches) over Clay, black to very dark brown over Sand (two feet) over black silty clay (0.5 feet thick) over Sand, gray to black, with some silt and clay, dry to moist	Fill			0.0						
2	60 30		5 6 7 8 9 10	Sand and gravel with trace fines, yellowish brown (10YR 5/4) to brown (10YR 4/3), medium dense to loose, moist to wet at 7 feet	SP			0.0						
				End of boring at 10 feet bgs										

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

Signature	Firm AECOM	Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Highway Trailer Site		SP-7

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi Onsite Environmental	3/26/2021	3/26/2021	geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			7.00 Feet MSL	Feet MSL	

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R
Lat ____ ° ____ ' ____ "
Long ____ ° ____ ' ____ "
Local Grid Location ☐ N ☐ E
Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Dane	13	Stoughton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	60 38		1 2 3 4 5	FILL: Clay with fine to medium sand, very dark brown (10YR 2/2), medium stiff to very stiff, fine sand increasing with depth, grading to soft, moist to wet	Fill			0.0						
2	60 24		6 7 8 9 10	Fine to medium sand with trace subrounded gravel, yellowish brown (10YR 5/4), loose, moist to wet	SP			0.0						
3	60 48							0.0						

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

Signature	Firm AECOM	Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

Boring Number SP-7 Use only as an attachment to Form 4400-122.

Sample									Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Fine to medium sand with trace subrounded gravel, yellowish brown (10YR 5/4), loose, moist to wet *(continued)*	SP									
				End of boring at 15 feet bgs Well screened 5-15 feet bgs										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Highway Trailer Site		SP-8

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi Onsite Environmental	3/26/2021	3/26/2021	geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			7.00 Feet MSL	Feet MSL	

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R
Lat ____ ° ____ ' ____ "
Long ____ ° ____ ' ____ "
Local Grid Location
☐ N ☐ E
Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Dane	13	Stoughton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	60 43		1 2 3 4 5	FILL: Clay with trace gravel, very dark gray (7.5 YR 3/1), moist with roots, over Sand, fine to medium (about 1 foot thick) grayish brown (10YR 5/2) becoming sandy clay then grading to fine Sand with gravel.	Fill									
2	60 29		6 7 8 9 10	Sand, fine to coarse, yellowish brown (10YR 5/4) dry to wet at 7.6 feet, loose to dense.	SP									
			11 12	End of boring at 10 feet bgs										

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

Signature	Firm AECOM	Tel: Fax:

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

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/08)

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

☐ Verification Only of Fill and Seal

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

1. Well Location Information

County: Dane
WI Unique Well # of Removed Well:
Hicap #:
Lattitude / Longitude (Degrees and Minutes): ° ' " ' W / ° ' " ' N
Method Code (see instructions):
¼ / ¼ ¼ Section Township Range ☐ E ☐ W
or Gov't Lot #
Well Street Address:
Well City, Village or Town: Stoughton
Well ZIP Code:
Subdivision Name:
Lot #:
Reason For Removal From Service: Temporary Well
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Highway Trailer Site
Facility ID (FID or PWS):
License/Permit/Monitoring #: SP-1
Original Well Owner:
Present Well Owner:
Mailing Address of Present Owner:
City of Present Owner | State | ZIP Code

3. Well / Drillhole / Borehole Information

☒ Monitoring Well
☐ Water Well
☐ Drillhole / Borehole

Original Construction Date: 3/26/2021
If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify)

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft): 20.00
Casing Diameter (in.):
Lower Drillhole Diameter (in.):
Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☐ No ☒ Unknown
If yes, to what depth (feet)?
Depth to Water (feet):

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

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

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

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

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

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" bentonite chips	Surface	20.0		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)	DNR Use Only: Date Received	Noted By
Onsite Environmental		3/26/2021		

Street or Route	Telephone Number	Comments
PO Box 280	608-837-8992	

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Sun Prairie	WI	53590		

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

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/08)

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

☐ Verification Only of Fill and Seal

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

1. Well Location Information

County: Dane
WI Unique Well # of Removed Well:
Hicap #:
Lattitude / Longitude (Degrees and Minutes): ° ' " ' W / ° ' " ' N
Method Code (see instructions):
¼ / ¼ ¼ or Gov't Lot #: Section: Township: Range: ☐ E ☐ W
Well Street Address:
Well City, Village or Town: Stoughton
Well ZIP Code:
Subdivision Name:
Lot #:
Reason For Removal From Service: Boring Only
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Highway Trailer Site
Facility ID (FID or PWS):
License/Permit/Monitoring #: SP-2
Original Well Owner:
Present Well Owner:
Mailing Address of Present Owner:
City of Present Owner: State: ZIP Code:

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

Original Construction Date: 3/26/2021
If a Well Construction Report is available, please attach.

Construction Type: ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify)

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft): 15.00
Casing Diameter (in.):
Lower Drillhole Diameter (in.):
Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☐ No ☒ Unknown
If yes, to what depth (feet)?:
Depth to Water (feet):

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

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

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

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

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

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" bentonite chips	Surface	15.0		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Onsite Environmental
License #:
Date of Filling & Sealing (mm/dd/yyyy): 3/26/2021
Street or Route: PO Box 280
Telephone Number: 608-837-8992
City: Sun Prairie State: WI ZIP Code: 53590
Signature of Person Doing Work:
Date Signed:

DNR Use Only
Date Received:
Noted By:
Comments:

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

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/08)

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☐ Verification Only of Fill and Seal

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

1. Well Location Information

County: Dane
WI Unique Well # of Removed Well:
Hicap #:
Lattitude / Longitude (Degrees and Minutes): ° ' " ' W / ° ' " ' N
Method Code (see instructions):
¼ / ¼ ¼ Section Township Range ☐ E ☐ W
or Gov't Lot #:
Well Street Address:
Well City, Village or Town: Stoughton
Well ZIP Code:
Subdivision Name:
Lot #:
Reason For Removal From Service: Boring Only
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Highway Trailer Site
Facility ID (FID or PWS):
License/Permit/Monitoring #: SP-3
Original Well Owner:
Present Well Owner:
Mailing Address of Present Owner:
City of Present Owner: State: ZIP Code:

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

Original Construction Date: 3/26/2021
If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify)

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft): 15.00
Casing Diameter (in.):
Lower Drillhole Diameter (in.):
Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☐ No ☒ Unknown
If yes, to what depth (feet)?
Depth to Water (feet):

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

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

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

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

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

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" bentonite chips	Surface	15.0		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Onsite Environmental
License #:
Date of Filling & Sealing (mm/dd/yyyy): 3/26/2021
Street or Route: PO Box 280
Telephone Number: 608-837-8992
City: Sun Prairie State: WI ZIP Code: 53590
Signature of Person Doing Work:
Date Signed:

DNR Use Only
Date Received:
Noted By:
Comments:

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

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/08)

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

☐ Verification Only of Fill and Seal

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

1. Well Location Information

County: Dane
WI Unique Well # of Removed Well:
Hicap #:
Lattitude / Longitude (Degrees and Minutes): ° ' " ' W / ° ' " ' N
Method Code (see instructions):
¼ / ¼ ¼ Section Township Range ☐ E ☐ W
or Gov't Lot #:
Well Street Address:
Well City, Village or Town: Stoughton
Well ZIP Code:
Subdivision Name:
Lot #:
Reason For Removal From Service: Temporary Well
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Highway Trailer Site
Facility ID (FID or PWS):
License/Permit/Monitoring #: SP-4
Original Well Owner:
Present Well Owner:
Mailing Address of Present Owner:
City of Present Owner | State | ZIP Code

3. Well / Drillhole / Borehole Information

☒ Monitoring Well
☐ Water Well
☐ Drillhole / Borehole

Original Construction Date: 3/26/2021
If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify)

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft): 21.00
Casing Diameter (in.):
Lower Drillhole Diameter (in.):
Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☐ No ☒ Unknown
If yes, to what depth (feet)?
Depth to Water (feet):

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

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

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

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

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

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" bentonite chips	Surface	21.0		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)	DNR Use Only: Date Received	Noted By
Onsite Environmental		3/26/2021		

Street or Route	Telephone Number	Comments
PO Box 280	608-837-8992	

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Sun Prairie	WI	53590		

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

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/08)

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

☐ Verification Only of Fill and Seal

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

1. Well Location Information

County: Dane
WI Unique Well # of Removed Well:
Hicap #:
Lattitude / Longitude (Degrees and Minutes): ° ' " ' W / ° ' " ' N
Method Code (see instructions):
¼ / ¼ ¼ Section Township Range ☐ E ☐ W
or Gov't Lot #:
Well Street Address:
Well City, Village or Town: Stoughton
Well ZIP Code:
Subdivision Name:
Lot #:
Reason For Removal From Service: Boring Only
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Highway Trailer Site
Facility ID (FID or PWS):
License/Permit/Monitoring #: SP-5
Original Well Owner:
Present Well Owner:
Mailing Address of Present Owner:
City of Present Owner | State | ZIP Code

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

Original Construction Date: 3/26/2021
If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify)

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft): 15.00
Casing Diameter (in.):
Lower Drillhole Diameter (in.):
Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☐ No ☒ Unknown
If yes, to what depth (feet)?
Depth to Water (feet)

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

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

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

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

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

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" bentonite chips	Surface	15.0		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Onsite Environmental	License #	Date of Filling & Sealing (mm/dd/yyyy): 3/26/2021	Date Received	Noted By
Street or Route: PO Box 280		Telephone Number: 608-837-8992	Comments	
City: Sun Prairie	State: WI	ZIP Code: 53590	Signature of Person Doing Work	Date Signed

DNR Use Only

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dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/08)

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

☐ Verification Only of Fill and Seal

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

1. Well Location Information

County: Dane
WI Unique Well # of Removed Well:
Hicap #:
Lattitude / Longitude (Degrees and Minutes): ° ' " ' W / ° ' " ' N
Method Code (see instructions):
¼ / ¼ ¼ Section Township Range ☐ E ☐ W
or Gov't Lot #:
Well Street Address:
Well City, Village or Town: Stoughton
Well ZIP Code:
Subdivision Name:
Lot #:
Reason For Removal From Service: Boring Only
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Highway Trailer Site
Facility ID (FID or PWS):
License/Permit/Monitoring #: SP-6
Original Well Owner:
Present Well Owner:
Mailing Address of Present Owner:
City of Present Owner | State | ZIP Code

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

Original Construction Date: 3/26/2021
If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify)

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft): 10.00
Casing Diameter (in.):
Lower Drillhole Diameter (in.):
Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☐ No ☒ Unknown
If yes, to what depth (feet)?
Depth to Water (feet)

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

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

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

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

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

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" bentonite chips	Surface	10.0		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)	DNR Use Only: Date Received	Noted By
Onsite Environmental		3/26/2021		

Street or Route	Telephone Number	Comments
PO Box 280	608-837-8992	

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Sun Prairie	WI	53590		

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Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/08)

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☐ Verification Only of Fill and Seal

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

1. Well Location Information

County: Dane
WI Unique Well # of Removed Well:
Hicap #:
Lattitude / Longitude (Degrees and Minutes): ° ' " ' W / ° ' " ' N
Method Code (see instructions):
¼ / ¼ ¼ Section Township Range ☐ E ☐ W
or Gov't Lot #
Well Street Address:
Well City, Village or Town: Stoughton
Well ZIP Code:
Subdivision Name:
Lot #:
Reason For Removal From Service: Temporary Well
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Highway Trailer Site
Facility ID (FID or PWS):
License/Permit/Monitoring #: SP-7
Original Well Owner:
Present Well Owner:
Mailing Address of Present Owner:
City of Present Owner | State | ZIP Code

3. Well / Drillhole / Borehole Information

☒ Monitoring Well
☐ Water Well
☐ Drillhole / Borehole

Original Construction Date: 3/26/2021
If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify)

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft): 15.00
Casing Diameter (in.):
Lower Drillhole Diameter (in.):
Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☐ No ☒ Unknown
If yes, to what depth (feet)?
Depth to Water (feet)

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

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

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

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

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

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" bentonite chips	Surface	15.0		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)	DNR Use Only: Date Received	Noted By
Onsite Environmental		3/26/2021		

Street or Route	Telephone Number	Comments
PO Box 280	608-837-8992	

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Sun Prairie	WI	53590		

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Well / Drillhole / Borehole Filling & Sealing

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☐ Verification Only of Fill and Seal

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

1. Well Location Information

County: Dane
WI Unique Well # of Removed Well:
Hicap #:
Lattitude / Longitude (Degrees and Minutes): ° ' " 'W ° ' " 'N
Method Code (see instructions):
¼ / ¼ ¼ Section Township Range ☐ E ☐ W
or Gov't Lot #:
Well Street Address:
Well City, Village or Town: Stoughton
Well ZIP Code:
Subdivision Name:
Lot #:
Reason For Removal From Service: Boring Only
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Highway Trailer Site
Facility ID (FID or PWS):
License/Permit/Monitoring #: SP-8
Original Well Owner:
Present Well Owner:
Mailing Address of Present Owner:
City of Present Owner: State: ZIP Code:

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

Original Construction Date: 3/26/2021
If a Well Construction Report is available, please attach.

Construction Type: ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify)

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft): 20.00
Casing Diameter (in.):
Lower Drillhole Diameter (in.):
Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☐ No ☒ Unknown
If yes, to what depth (feet)?:
Depth to Water (feet):

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

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

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

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

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

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" bentonite chips	Surface	10.0		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)	DNR Use Only: Date Received	Noted By
Onsite Environmental		3/26/2021		

Street or Route	Telephone Number	Comments
PO Box 280	608-837-8992	

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Sun Prairie	WI	53590		

Appendix B Laboratory Data Validation

AECOM Environment
1555 N. RiverCenter Drive, Suite 214, Milwaukee, WI 53212
T 414.944.6080 F 414.944.6081 www.aecom.com

Memorandum

Date: April 10, 2021

To: Lanette Altenbach, Project Manager (PG)

From: Lisa Smith, Environmental Chemist (CEAC)

Subject: Data Validation - Analytical Results for Soil Samples
Phase II Environmental Site Investigation
Department of Public Works Garage, Stoughton, WI

SUMMARY

Data validation was performed on the analytical results of the soil samples collected at the Stoughton site on March 26, 2021 and submitted to Pace Analytical, Green Bay for analysis. Pace processed the samples and reported the results under sample delivery group (SDG) 40224112.

The analytical data were evaluated with reference to the United States Environmental Protection Agency (USEPA) National Functional Guidelines for Superfund Organic Methods Data Review (November 2020). The National Functional Guidelines were modified to accommodate the non-CLP methodology. Laboratory control limits and/or method criteria were used as appropriate as the basis for validation actions.

Based on the results of the validation, the data are valid as reported and may be used for decision making purpose. Some data required qualifications as discussed below and summarized in Table 1. Data validation qualifiers override any assigned laboratory data flags. Results reported below the limit of quantitation (LOQ) were qualified as estimated (J) by the laboratory; qualifications of these results were accepted by the validator, but are not shown in Table 1.

METHODS

The samples were analyzed by the methods listed below.

Analyte Group	Method	Number of Samples
VOCs	SW-846 8260	16 soil samples plus 1 trip blank
PAHs	SW-846 8270E SIM	16 soil samples
PCBs	SW-846 8082	8 soil samples
Lead	SW-846 6010	16 soil samples

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REVIEW ELEMENTS

A limited data validation was performed on the samples. Quality control (QC) parameters listed below were reviewed, if applicable to the methodology.

Limited Validation
Holding Time
Method Blanks
Trip Blanks
Surrogate Recoveries
Laboratory Control Samples
Matrix Spikes/Matrix Spike Duplicates
Field Duplicates

DISCUSSION

Sample Receipt

Samples were received at the laboratory intact, properly preserved and in good condition. The samples were received within the temperature criteria of ≤ 6 °C.

The laboratory indicated the sample label did not match the chain of custody for lab ID 40224112008. The sample ID on the chain of custody (COC) was SP-4 (13-14'), while the sample label is SP-4 (14-15'). The laboratory logged in the sample using the ID on the COC.

Holding Times

Samples were extracted and analyzed within holding times.

Method Blanks

Laboratory blanks are analyzed to assess contamination from laboratory procedures. Method blanks were analyzed at the correct frequency. Analytes were not detected in the method blanks, with the exception of naphthalene. Naphthalene was detected in the SW8270E SIM method blanks for batches 381244 and 381348 at concentrations below the LOQ at 2.7 J and 2.1 J ug/kg, respectively. Five naphthalene detects were detected below the LOQ and were qualified nondetect (U).

Trip Blanks

Trip blanks are used to assess contamination from sample shipping. One trip blank was associated with the VOC samples collected. Analytes were not detected in the trip blank.

Surrogate Recoveries

Surrogates are spiked into all field samples, field QC samples, and method QC samples and are used to evaluate accuracy. The surrogates are organic compounds similar to the target compounds in chemical composition and behavior in the analytical process, but are not usually found in environmental samples. Surrogates recoveries were within the laboratory specified QC limits.

Laboratory Control Samples (LCSs)

LCSs are analyzed to monitor the accuracy of the analytical method independent of matrix effects. LCS recoveries were within the laboratory specified QC limits, with the exception of chloromethane for batch

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381030. The chloromethane recovery was 128%, and above the recovery limits of 45% to 117%. Associated results were nondetect, and were acceptable without qualification.

Matrix Spike/Matrix Spike Duplicates (MS/MSDs)

MS/MSDs are analyzed to determine the effects of sample matrix on the measurement methodology. Extra sample volume was provided for sample SP-3 (1-2') for MS/MSD analysis and MS/MSD results were provided for all analyses. The table below summarizes MS/MSD exceedances. Non-project MS/MSDs provided from batch analyses are not applicable and were not evaluated.

Spiked Sample	Compound	% Recovery	Recovery Limits	Results Qualified
SP-3 (1-2')	1,1,1-Trichloroethane	**133**/124	70-130	Results for sample SP-3 (1-2') were non-detect and were acceptable without qualification.
	1,1,2-Trichloroethane	**135**/129	70-130	
	1,1-Dichloroethane	**145/135**	70-130	
	1,1-Dichloroethene	**149/135**	64-120	
	1,2,4-Trichlorobenzene	**134**/122	64-130	
	1,2-Dibromoethane (EDB)	**142**/121	70-130	
	1,2-Dichloroethane	**159/137**	70-130	
	1,2-Dichloropropane	**140/127**	72-122	
	1,3-Dichlorobenzene	**132**/124	70-130	
	Bromodichloromethane	**139**/129	70-130	
	Bromoform	**147**/125	66-130	
	Chlorobenzene	**137**/128	70-130	
	Chloroform	**141/126**	79-120	
	Chloromethane	**164/147**	30-136	
	cis-1,2-Dichloroethene	**132**/119	70-130	
	cis-1,3-Dichloropropene	**140**/121	68-130	
	Dibromochloromethane	**139**/124	70-130	
	Ethylbenzene	**142/128**	78-120	
	Isopropylbenzene (Cumene)	**150/138**	70-130	
	m,p-Xylenes	**143/134**	70-130	
	Methyl-tert-butyl ether	**141**/118	65-130	
	o-Xylene	**146/131**	70-130	
	Styrene	**149/133**	70-130	
	Toluene	**135/125**	76-120	
	trans-1,3-Dichloropropene	**141**/127	70-130	
	Trichloroethene	**139**/123	70-130	
	Vinyl chloride	**148/140**	43-137	

Field Duplicates

Field duplicates are collected to assess the overall precision of field sampling and laboratory analysis. Field duplicates were not associated with this sample set and field precision could not be assessed.

Quantitation

Dilutions were required during analysis of the soil samples due to high PAH concentrations for sample SP-8 (1-2').

AECOM Environment
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Validation Flags

Table 1 – Data Validation Summary of Qualified Data

Sample ID	Analyte	Units	Validation Qualifier[1]	Reason Code[2]
Soil Samples:				
SP-1 (9-10') SP-2 (1-2') SP-3 (1-2') SP-6 (2-3') SP-6 (4.5-5.5')	Naphthalene	ug/kg	U	mb

(1): Data Validation Qualifiers:
U: The analyte was analyzed for, but was not detected

(2): Reason Codes:
mb Method blank

AECOM Environment
1555 N. RiverCenter Drive, Suite 214, Milwaukee, WI 53212
T 414.944.6080 F 414.944.6081 www.aecom.com

Memorandum

Date: April 6, 2021

To: Lanette Altenbach, Project Manager (PG)

From: Lisa Smith, Environmental Chemist (CEAC)

Subject: Data Validation - Analytical Results for Groundwater Samples
Phase II Environmental Site Investigation
Department of Public Works Garage, Stoughton, WI

SUMMARY

Data validation was performed on the analytical results of the groundwater samples collected at the Stoughton site on March 26, 2021 and submitted to Pace Analytical, Green Bay for analysis. Pace processed the samples and reported the results under sample delivery group (SDG) 40224117.

The analytical data were evaluated with reference to the United States Environmental Protection Agency (USEPA) National Functional Guidelines for Superfund Organic Methods Data Review (November 2020). The National Functional Guidelines were modified to accommodate the non-CLP methodology. Laboratory control limits and/or method criteria were used as appropriate as the basis for validation actions.

Based on the results of the validation, the data are valid as reported and may be used for decision making purpose. Results were acceptable without qualification during data validation. Results reported below the limit of quantitation (LOQ) were qualified as estimated (J) by the laboratory; qualifications of these results were accepted by the validator.

METHODS

The samples were analyzed by the methods listed below.

Analyte Group	Method	Number of Samples
VOCs	SW-846 8260	4 groundwater samples (plus 1 field duplicate and 1 trip blank)

REVIEW ELEMENTS

A limited data validation was performed on the samples. Quality control (QC) parameters listed below were reviewed, if applicable to the methodology.

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Limited Validation
Holding Time
Method Blanks
Trip Blanks
Surrogate Recoveries
Laboratory Control Samples
Matrix Spikes/Matrix Spike Duplicates
Field Duplicates

DISCUSSION

Sample Receipt

Samples were received at the laboratory intact, properly preserved and in good condition. The samples were received within the templerature criteria of ≤ 6 °C.

Holding Times

Samples were analyzed within holding times.

Method Blanks

Laboratory blanks are analyzed to assess contamination from laboratory procedures. Method blanks were analyzed at the correct frequency. Analytes were not detected in the associated method blanks.

Trip Blanks

Trip blanks are used to assess contamination from sample shipping. One trip blank was associated with the VOC samples collected. Analytes were not detected in the trip blank.

Surrogate Recoveries

Surrogates are spiked into all field samples, field QC samples, and method QC samples and are used to evaluate accuracy. The surrogates are organic compounds similar to the target compounds in chemical composition and behavior in the analytical process, but are not usually found in environmental samples. Surrogates recoveries were within the laboratory specified QC limits.

Laboratory Control Samples (LCSs)

LCSs are analyzed to monitor the accuracy of the analytical method independent of matrix effects. LCS recoveries were within the laboratory specified QC limits.

Matrix Spike/Matrix Spike Duplicates (MS/MSDs)

MS/MSDs are analyzed to determine the effects of sample matrix on the measurement methodology. An MS/MSD was not associated with this sample set.

Field Duplicates

Field duplicates are collected to assess the overall precision of field sampling and laboratory analysis. One groundwater field duplicate sample was collected. Relative percent differences (RPDs) for the field duplicate pair were within the 30 percent limit for groundwater, or the absolute difference of the values were within ± the LOQ or values with 5 times the LOQ.

Appendix C Laboratory Analytical Reports

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

April 06, 2021

Lanette Altenbach
AECOM, Inc.
1555 N River Center Drive
Suite 214
Milwaukee, WI 53212

RE: Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Dear Lanette Altenbach:

Enclosed are the analytical results for sample(s) received by the laboratory on March 27, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,

Christopher Hyska

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

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CERTIFICATIONS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

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

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SAMPLE SUMMARY

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40224112001	**SP-1 (9-10')**	Solid	03/26/21 10:05	03/27/21 08:35
40224112002	**SP-1 (13-14')**	Solid	03/26/21 10:10	03/27/21 08:35
40224112003	**SP-2 (1-2')**	Solid	03/26/21 09:10	03/27/21 08:35
40224112004	**SP-2 (9-10')**	Solid	03/26/21 09:27	03/27/21 08:35
40224112005	**SP-3 (1-2')**	Solid	03/26/21 10:51	03/27/21 08:35
40224112006	**SP-3 (14-15')**	Solid	03/26/21 11:05	03/27/21 08:35
40224112007	**SP-4 (1-2')**	Solid	03/26/21 11:45	03/27/21 08:35
40224112008	**SP-4 (13-14')**	Solid	03/26/21 11:50	03/27/21 08:35
40224112009	**SP-5 (1-2')**	Solid	03/26/21 12:08	03/27/21 08:35
40224112010	**SP-5 (6-7')**	Solid	03/26/21 12:11	03/27/21 08:35
40224112011	**SP-6 (2-3')**	Solid	03/26/21 12:55	03/27/21 08:35
40224112012	**SP-6 (4.5-5.5')**	Solid	03/26/21 13:00	03/27/21 08:35
40224112013	**SP-7 (1-2')**	Solid	03/26/21 12:30	03/27/21 08:35
40224112014	**SP-7 (5-6')**	Solid	03/26/21 12:35	03/27/21 08:35
40224112015	**SP-8 (1-2')**	Solid	03/26/21 13:18	03/27/21 08:35
40224112016	**SP-8 (5-6')**	Solid	03/26/21 13:25	03/27/21 08:35
40224112017	**TRIP BLANK**	Solid	03/26/21 07:05	03/27/21 08:35

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SAMPLE ANALYTE COUNT

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40224112001	**SP-1 (9-10')**	EPA 8082	BLM	10	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8270E by SIM	JJB	20	PASI-G
		EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
40224112002	**SP-1 (13-14')**	EPA 6010	TXW	1	PASI-G
		EPA 8270E by SIM	JJB	20	PASI-G
		EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
40224112003	**SP-2 (1-2')**	EPA 8082	BLM	10	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8270E by SIM	JJB	20	PASI-G
		EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
40224112004	**SP-2 (9-10')**	EPA 6010	TXW	1	PASI-G
		EPA 8270E by SIM	JJB	20	PASI-G
		EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
40224112005	**SP-3 (1-2')**	EPA 8082	BLM	10	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8270E by SIM	JJB	20	PASI-G
		EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
40224112006	**SP-3 (14-15')**	EPA 6010	TXW	1	PASI-G
		EPA 8270E by SIM	JJB	20	PASI-G
		EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
40224112007	**SP-4 (1-2')**	EPA 8082	BLM	10	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8270E by SIM	JJB	20	PASI-G
		EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
40224112008	**SP-4 (13-14')**	EPA 6010	TXW	1	PASI-G
		EPA 8270E by SIM	JJB	20	PASI-G
		EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
40224112009	**SP-5 (1-2')**	EPA 8082	BLM	10	PASI-G

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SAMPLE ANALYTE COUNT

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	TXW	1	PASI-G
		EPA 8270E by SIM	JJB	20	PASI-G
		EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
40224112010	**SP-5 (6-7')**	EPA 6010	TXW	1	PASI-G
		EPA 8270E by SIM	JJB	20	PASI-G
		EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
40224112011	**SP-6 (2-3')**	EPA 8082	BLM	10	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8270E by SIM	JJB	20	PASI-G
		EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
40224112012	**SP-6 (4.5-5.5')**	EPA 6010	TXW	1	PASI-G
		EPA 8270E by SIM	JJB	20	PASI-G
		EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
40224112013	**SP-7 (1-2')**	EPA 8082	BLM	10	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8270E by SIM	JJB	20	PASI-G
		EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
40224112014	**SP-7 (5-6')**	EPA 6010	TXW	1	PASI-G
		EPA 8270E by SIM	JJB	20	PASI-G
		EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
40224112015	**SP-8 (1-2')**	EPA 8082	BLM	10	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8270E by SIM	JJB	20	PASI-G
		EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
40224112016	**SP-8 (5-6')**	EPA 6010	TXW	1	PASI-G
		EPA 8270E by SIM	JJB	20	PASI-G
		EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
40224112017	**TRIP BLANK**	EPA 8260	MDS	65	PASI-G

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SAMPLE ANALYTE COUNT

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory

PASI-G = Pace Analytical Services - Green Bay

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SUMMARY OF DETECTION

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40224112001	**SP-1 (9-10')**					
EPA 6010	Lead	4.1	mg/kg	2.0	03/30/21 14:40	
EPA 8270E by SIM	Acenaphthylene	9.4J	ug/kg	17.9	04/05/21 23:29	
EPA 8270E by SIM	Anthracene	5.1J	ug/kg	17.9	04/05/21 23:29	
EPA 8270E by SIM	Benzo(a)anthracene	22.6	ug/kg	17.9	04/05/21 23:29	
EPA 8270E by SIM	Benzo(a)pyrene	18.8	ug/kg	17.9	04/05/21 23:29	
EPA 8270E by SIM	Benzo(b)fluoranthene	36.8	ug/kg	17.9	04/05/21 23:29	
EPA 8270E by SIM	Benzo(g,h,i)perylene	21.8	ug/kg	17.9	04/05/21 23:29	
EPA 8270E by SIM	Benzo(k)fluoranthene	11.4J	ug/kg	17.9	04/05/21 23:29	
EPA 8270E by SIM	Chrysene	26.7	ug/kg	17.9	04/05/21 23:29	
EPA 8270E by SIM	Dibenz(a,h)anthracene	7.1J	ug/kg	17.9	04/05/21 23:29	
EPA 8270E by SIM	Fluoranthene	34.2	ug/kg	17.9	04/05/21 23:29	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	17.3J	ug/kg	17.9	04/05/21 23:29	
EPA 8270E by SIM	Naphthalene	2.5J	ug/kg	17.9	04/05/21 23:29	B
EPA 8270E by SIM	Phenanthrene	12.2J	ug/kg	17.9	04/05/21 23:29	
EPA 8270E by SIM	Pyrene	29.7	ug/kg	17.9	04/05/21 23:29	
ASTM D2974-87	Percent Moisture	6.3	%	0.10	03/27/21 13:44	
40224112002	**SP-1 (13-14')**					
EPA 6010	Lead	1.4J	mg/kg	2.1	03/30/21 14:50	
ASTM D2974-87	Percent Moisture	5.4	%	0.10	03/27/21 13:44	
40224112003	**SP-2 (1-2')**					
EPA 6010	Lead	51.9	mg/kg	2.0	03/30/21 14:52	
EPA 8270E by SIM	Acenaphthylene	10.9J	ug/kg	17.7	04/06/21 00:41	
EPA 8270E by SIM	Anthracene	12.4J	ug/kg	17.7	04/06/21 00:41	
EPA 8270E by SIM	Benzo(a)anthracene	34.6	ug/kg	17.7	04/06/21 00:41	
EPA 8270E by SIM	Benzo(a)pyrene	38.3	ug/kg	17.7	04/06/21 00:41	
EPA 8270E by SIM	Benzo(b)fluoranthene	68.3	ug/kg	17.7	04/06/21 00:41	
EPA 8270E by SIM	Benzo(g,h,i)perylene	38.3	ug/kg	17.7	04/06/21 00:41	
EPA 8270E by SIM	Benzo(k)fluoranthene	18.7	ug/kg	17.7	04/06/21 00:41	
EPA 8270E by SIM	Chrysene	44.4	ug/kg	17.7	04/06/21 00:41	
EPA 8270E by SIM	Dibenz(a,h)anthracene	11.1J	ug/kg	17.7	04/06/21 00:41	
EPA 8270E by SIM	Fluoranthene	84.1	ug/kg	17.7	04/06/21 00:41	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	30.7	ug/kg	17.7	04/06/21 00:41	
EPA 8270E by SIM	1-Methylnaphthalene	5.9J	ug/kg	17.7	04/06/21 00:41	
EPA 8270E by SIM	2-Methylnaphthalene	10.5J	ug/kg	17.7	04/06/21 00:41	
EPA 8270E by SIM	Naphthalene	7.4J	ug/kg	17.7	04/06/21 00:41	B
EPA 8270E by SIM	Phenanthrene	51.3	ug/kg	17.7	04/06/21 00:41	
EPA 8270E by SIM	Pyrene	75.9	ug/kg	17.7	04/06/21 00:41	
ASTM D2974-87	Percent Moisture	5.3	%	0.10	03/27/21 13:44	
40224112004	**SP-2 (9-10')**					
EPA 6010	Lead	0.76J	mg/kg	1.9	03/30/21 14:55	
ASTM D2974-87	Percent Moisture	4.5	%	0.10	03/27/21 13:44	
40224112005	**SP-3 (1-2')**					
EPA 6010	Lead	20.1	mg/kg	2.5	03/30/21 14:31	
EPA 8270E by SIM	Naphthalene	4.9J	ug/kg	20.8	04/02/21 09:21	B
ASTM D2974-87	Percent Moisture	19.5	%	0.10	03/27/21 13:44	

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SUMMARY OF DETECTION

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40224112006	**SP-3 (14-15')**					
EPA 6010	Lead	1.1J	mg/kg	2.0	03/30/21 14:57	
ASTM D2974-87	Percent Moisture	3.5	%	0.10	03/27/21 13:44	
40224112007	**SP-4 (1-2')**					
EPA 6010	Lead	8.1	mg/kg	2.4	03/30/21 15:00	
ASTM D2974-87	Percent Moisture	19.3	%	0.10	03/27/21 13:44	
40224112008	**SP-4 (13-14')**					
EPA 6010	Lead	2.8	mg/kg	1.9	03/30/21 15:02	
ASTM D2974-87	Percent Moisture	3.3	%	0.10	03/27/21 13:46	
40224112009	**SP-5 (1-2')**					
EPA 6010	Lead	14.5	mg/kg	2.5	03/30/21 15:04	
ASTM D2974-87	Percent Moisture	20.7	%	0.10	03/27/21 13:46	
40224112010	**SP-5 (6-7')**					
EPA 6010	Lead	27.9	mg/kg	2.2	03/30/21 15:07	
ASTM D2974-87	Percent Moisture	12.1	%	0.10	03/27/21 13:46	
40224112011	**SP-6 (2-3')**					
EPA 6010	Lead	15.9	mg/kg	2.1	03/30/21 15:09	
EPA 8270E by SIM	Benzo(a)anthracene	2.6J	ug/kg	18.6	04/05/21 10:20	
EPA 8270E by SIM	Fluoranthene	2.9J	ug/kg	18.6	04/05/21 10:20	
EPA 8270E by SIM	Naphthalene	2.8J	ug/kg	18.6	04/05/21 10:20	B
EPA 8270E by SIM	Phenanthrene	5.0J	ug/kg	18.6	04/05/21 10:20	
ASTM D2974-87	Percent Moisture	10.3	%	0.10	03/27/21 13:46	
40224112012	**SP-6 (4.5-5.5')**					
EPA 6010	Lead	8.1	mg/kg	2.5	03/30/21 15:12	
EPA 8270E by SIM	1-Methylnaphthalene	3.1J	ug/kg	20.8	04/05/21 06:59	
EPA 8270E by SIM	2-Methylnaphthalene	3.7J	ug/kg	20.8	04/05/21 06:59	
EPA 8270E by SIM	Naphthalene	7.6J	ug/kg	20.8	04/05/21 06:59	B
ASTM D2974-87	Percent Moisture	20.0	%	0.10	03/27/21 13:46	
40224112013	**SP-7 (1-2')**					
EPA 6010	Lead	632	mg/kg	2.4	03/30/21 15:19	
EPA 8270E by SIM	Acenaphthene	2.8J	ug/kg	20.2	04/06/21 00:59	
EPA 8270E by SIM	Acenaphthylene	4.1J	ug/kg	20.2	04/06/21 00:59	
EPA 8270E by SIM	Anthracene	8.3J	ug/kg	20.2	04/06/21 00:59	
EPA 8270E by SIM	Benzo(a)anthracene	21.5	ug/kg	20.2	04/06/21 00:59	
EPA 8270E by SIM	Benzo(a)pyrene	19.8J	ug/kg	20.2	04/06/21 00:59	
EPA 8270E by SIM	Benzo(b)fluoranthene	32.3	ug/kg	20.2	04/06/21 00:59	
EPA 8270E by SIM	Benzo(g,h,i)perylene	37.2	ug/kg	20.2	04/06/21 00:59	
EPA 8270E by SIM	Benzo(k)fluoranthene	8.1J	ug/kg	20.2	04/06/21 00:59	
EPA 8270E by SIM	Chrysene	28.3	ug/kg	20.2	04/06/21 00:59	
EPA 8270E by SIM	Dibenz(a,h)anthracene	11.8J	ug/kg	20.2	04/06/21 00:59	
EPA 8270E by SIM	Fluoranthene	40.8	ug/kg	20.2	04/06/21 00:59	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	19.9J	ug/kg	20.2	04/06/21 00:59	
EPA 8270E by SIM	1-Methylnaphthalene	119	ug/kg	20.2	04/06/21 00:59	
EPA 8270E by SIM	2-Methylnaphthalene	209	ug/kg	20.2	04/06/21 00:59	

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SUMMARY OF DETECTION

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40224112013	**SP-7 (1-2')**					
EPA 8270E by SIM	Naphthalene	164	ug/kg	20.2	04/06/21 00:59	
EPA 8270E by SIM	Phenanthrene	140	ug/kg	20.2	04/06/21 00:59	
EPA 8270E by SIM	Pyrene	32.4	ug/kg	20.2	04/06/21 00:59	
ASTM D2974-87	Percent Moisture	17.3	%	0.10	03/27/21 13:46	
40224112014	**SP-7 (5-6')**					
EPA 6010	Lead	1.8J	mg/kg	2.2	03/30/21 15:21	
ASTM D2974-87	Percent Moisture	12.5	%	0.10	03/27/21 13:46	
40224112015	**SP-8 (1-2')**					
EPA 6010	Lead	20.6	mg/kg	2.1	03/30/21 15:24	
EPA 8270E by SIM	Acenaphthene	30.1J	ug/kg	96.9	04/06/21 00:23	
EPA 8270E by SIM	Anthracene	56.7J	ug/kg	96.9	04/06/21 00:23	
EPA 8270E by SIM	Benzo(a)anthracene	361	ug/kg	96.9	04/06/21 00:23	
EPA 8270E by SIM	Benzo(a)pyrene	363	ug/kg	96.9	04/06/21 00:23	
EPA 8270E by SIM	Benzo(b)fluoranthene	638	ug/kg	96.9	04/06/21 00:23	
EPA 8270E by SIM	Benzo(g,h,i)perylene	319	ug/kg	96.9	04/06/21 00:23	
EPA 8270E by SIM	Benzo(k)fluoranthene	215	ug/kg	96.9	04/06/21 00:23	
EPA 8270E by SIM	Chrysene	443	ug/kg	96.9	04/06/21 00:23	
EPA 8270E by SIM	Dibenz(a,h)anthracene	80.9J	ug/kg	96.9	04/06/21 00:23	
EPA 8270E by SIM	Fluoranthene	882	ug/kg	96.9	04/06/21 00:23	
EPA 8270E by SIM	Fluorene	18.3J	ug/kg	96.9	04/06/21 00:23	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	272	ug/kg	96.9	04/06/21 00:23	
EPA 8270E by SIM	Phenanthrene	384	ug/kg	96.9	04/06/21 00:23	
EPA 8270E by SIM	Pyrene	670	ug/kg	96.9	04/06/21 00:23	
ASTM D2974-87	Percent Moisture	13.9	%	0.10	03/27/21 13:46	
40224112016	**SP-8 (5-6')**					
EPA 6010	Lead	0.87J	mg/kg	2.1	03/30/21 15:26	
ASTM D2974-87	Percent Moisture	7.3	%	0.10	03/27/21 13:46	

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

ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-1 (9-10') **Lab ID: 40224112001** Collected: 03/26/21 10:05 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
	Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<16.2**	ug/kg	53.3	16.2	1	03/30/21 14:27	03/31/21 17:35	12674-11-2	
PCB-1221 (Aroclor 1221)	**<16.2**	ug/kg	53.3	16.2	1	03/30/21 14:27	03/31/21 17:35	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.2**	ug/kg	53.3	16.2	1	03/30/21 14:27	03/31/21 17:35	11141-16-5	
PCB-1242 (Aroclor 1242)	**<16.2**	ug/kg	53.3	16.2	1	03/30/21 14:27	03/31/21 17:35	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.2**	ug/kg	53.3	16.2	1	03/30/21 14:27	03/31/21 17:35	12672-29-6	
PCB-1254 (Aroclor 1254)	**<16.2**	ug/kg	53.3	16.2	1	03/30/21 14:27	03/31/21 17:35	11097-69-1	
PCB-1260 (Aroclor 1260)	**<16.2**	ug/kg	53.3	16.2	1	03/30/21 14:27	03/31/21 17:35	11096-82-5	
PCB, Total	**<16.2**	ug/kg	53.3	16.2	1	03/30/21 14:27	03/31/21 17:35	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	86	%	67-102		1	03/30/21 14:27	03/31/21 17:35	877-09-8	
Decachlorobiphenyl (S)	93	%	47-114		1	03/30/21 14:27	03/31/21 17:35	2051-24-3	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
	Pace Analytical Services - Green Bay								
Lead	**4.1**	mg/kg	2.0	0.61	1	03/30/21 06:40	03/30/21 14:40	7439-92-1	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546								
	Pace Analytical Services - Green Bay								
Acenaphthene	**<2.3**	ug/kg	17.9	2.3	1	04/02/21 07:59	04/05/21 23:29	83-32-9	
Acenaphthylene	**9.4J**	ug/kg	17.9	2.3	1	04/02/21 07:59	04/05/21 23:29	208-96-8	
Anthracene	**5.1J**	ug/kg	17.9	2.2	1	04/02/21 07:59	04/05/21 23:29	120-12-7	
Benzo(a)anthracene	**22.6**	ug/kg	17.9	2.3	1	04/02/21 07:59	04/05/21 23:29	56-55-3	
Benzo(a)pyrene	**18.8**	ug/kg	17.9	2.0	1	04/02/21 07:59	04/05/21 23:29	50-32-8	
Benzo(b)fluoranthene	**36.8**	ug/kg	17.9	2.5	1	04/02/21 07:59	04/05/21 23:29	205-99-2	
Benzo(g,h,i)perylene	**21.8**	ug/kg	17.9	3.1	1	04/02/21 07:59	04/05/21 23:29	191-24-2	
Benzo(k)fluoranthene	**11.4J**	ug/kg	17.9	2.3	1	04/02/21 07:59	04/05/21 23:29	207-08-9	
Chrysene	**26.7**	ug/kg	17.9	3.4	1	04/02/21 07:59	04/05/21 23:29	218-01-9	
Dibenz(a,h)anthracene	**7.1J**	ug/kg	17.9	2.5	1	04/02/21 07:59	04/05/21 23:29	53-70-3	
Fluoranthene	**34.2**	ug/kg	17.9	2.1	1	04/02/21 07:59	04/05/21 23:29	206-44-0	
Fluorene	**<2.1**	ug/kg	17.9	2.1	1	04/02/21 07:59	04/05/21 23:29	86-73-7	
Indeno(1,2,3-cd)pyrene	**17.3J**	ug/kg	17.9	3.7	1	04/02/21 07:59	04/05/21 23:29	193-39-5	
1-Methylnaphthalene	**<2.6**	ug/kg	17.9	2.6	1	04/02/21 07:59	04/05/21 23:29	90-12-0	
2-Methylnaphthalene	**<2.6**	ug/kg	17.9	2.6	1	04/02/21 07:59	04/05/21 23:29	91-57-6	
Naphthalene	**2.5J**	ug/kg	17.9	1.7	1	04/02/21 07:59	04/05/21 23:29	91-20-3	B
Phenanthrene	**12.2J**	ug/kg	17.9	2.0	1	04/02/21 07:59	04/05/21 23:29	85-01-8	
Pyrene	**29.7**	ug/kg	17.9	2.6	1	04/02/21 07:59	04/05/21 23:29	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	78	%	36-86		1	04/02/21 07:59	04/05/21 23:29	321-60-8	
Terphenyl-d14 (S)	89	%	41-97		1	04/02/21 07:59	04/05/21 23:29	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
Benzene	**<13.5**	ug/kg	22.7	13.5	1	03/30/21 08:45	03/30/21 19:35	71-43-2	
Bromobenzene	**<22.1**	ug/kg	56.8	22.1	1	03/30/21 08:45	03/30/21 19:35	108-86-1	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-1 (9-10') **Lab ID: 40224112001** Collected: 03/26/21 10:05 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Bromochloromethane	**<15.6**	ug/kg	56.8	15.6	1	03/30/21 08:45	03/30/21 19:35	74-97-5	
Bromodichloromethane	**<13.5**	ug/kg	56.8	13.5	1	03/30/21 08:45	03/30/21 19:35	75-27-4	
Bromoform	**<250**	ug/kg	284	250	1	03/30/21 08:45	03/30/21 19:35	75-25-2	
Bromomethane	**<79.6**	ug/kg	284	79.6	1	03/30/21 08:45	03/30/21 19:35	74-83-9	
n-Butylbenzene	**<26.0**	ug/kg	56.8	26.0	1	03/30/21 08:45	03/30/21 19:35	104-51-8	
sec-Butylbenzene	**<13.8**	ug/kg	56.8	13.8	1	03/30/21 08:45	03/30/21 19:35	135-98-8	
tert-Butylbenzene	**<17.8**	ug/kg	56.8	17.8	1	03/30/21 08:45	03/30/21 19:35	98-06-6	
Carbon tetrachloride	**<12.5**	ug/kg	56.8	12.5	1	03/30/21 08:45	03/30/21 19:35	56-23-5	
Chlorobenzene	**<6.8**	ug/kg	56.8	6.8	1	03/30/21 08:45	03/30/21 19:35	108-90-7	
Chloroethane	**<24.0**	ug/kg	284	24.0	1	03/30/21 08:45	03/30/21 19:35	75-00-3	
Chloroform	**<40.6**	ug/kg	284	40.6	1	03/30/21 08:45	03/30/21 19:35	67-66-3	
Chloromethane	**<21.6**	ug/kg	56.8	21.6	1	03/30/21 08:45	03/30/21 19:35	74-87-3	L1
2-Chlorotoluene	**<18.4**	ug/kg	56.8	18.4	1	03/30/21 08:45	03/30/21 19:35	95-49-8	
4-Chlorotoluene	**<21.6**	ug/kg	56.8	21.6	1	03/30/21 08:45	03/30/21 19:35	106-43-4	
1,2-Dibromo-3-chloropropane	**<44.0**	ug/kg	284	44.0	1	03/30/21 08:45	03/30/21 19:35	96-12-8	
Dibromochloromethane	**<194**	ug/kg	284	194	1	03/30/21 08:45	03/30/21 19:35	124-48-1	
1,2-Dibromoethane (EDB)	**<15.6**	ug/kg	56.8	15.6	1	03/30/21 08:45	03/30/21 19:35	106-93-4	
Dibromomethane	**<16.8**	ug/kg	56.8	16.8	1	03/30/21 08:45	03/30/21 19:35	74-95-3	
1,2-Dichlorobenzene	**<17.6**	ug/kg	56.8	17.6	1	03/30/21 08:45	03/30/21 19:35	95-50-1	
1,3-Dichlorobenzene	**<15.6**	ug/kg	56.8	15.6	1	03/30/21 08:45	03/30/21 19:35	541-73-1	
1,4-Dichlorobenzene	**<15.6**	ug/kg	56.8	15.6	1	03/30/21 08:45	03/30/21 19:35	106-46-7	
Dichlorodifluoromethane	**<24.4**	ug/kg	56.8	24.4	1	03/30/21 08:45	03/30/21 19:35	75-71-8	
1,1-Dichloroethane	**<14.5**	ug/kg	56.8	14.5	1	03/30/21 08:45	03/30/21 19:35	75-34-3	
1,2-Dichloroethane	**<13.1**	ug/kg	56.8	13.1	1	03/30/21 08:45	03/30/21 19:35	107-06-2	
1,1-Dichloroethene	**<18.8**	ug/kg	56.8	18.8	1	03/30/21 08:45	03/30/21 19:35	75-35-4	
cis-1,2-Dichloroethene	**<12.1**	ug/kg	56.8	12.1	1	03/30/21 08:45	03/30/21 19:35	156-59-2	
trans-1,2-Dichloroethene	**<12.3**	ug/kg	56.8	12.3	1	03/30/21 08:45	03/30/21 19:35	156-60-5	
1,2-Dichloropropane	**<13.5**	ug/kg	56.8	13.5	1	03/30/21 08:45	03/30/21 19:35	78-87-5	
1,3-Dichloropropane	**<12.4**	ug/kg	56.8	12.4	1	03/30/21 08:45	03/30/21 19:35	142-28-9	
2,2-Dichloropropane	**<15.3**	ug/kg	56.8	15.3	1	03/30/21 08:45	03/30/21 19:35	594-20-7	
1,1-Dichloropropene	**<18.4**	ug/kg	56.8	18.4	1	03/30/21 08:45	03/30/21 19:35	563-58-6	
cis-1,3-Dichloropropene	**<37.5**	ug/kg	284	37.5	1	03/30/21 08:45	03/30/21 19:35	10061-01-5	
trans-1,3-Dichloropropene	**<162**	ug/kg	284	162	1	03/30/21 08:45	03/30/21 19:35	10061-02-6	
Diisopropyl ether	**<14.1**	ug/kg	56.8	14.1	1	03/30/21 08:45	03/30/21 19:35	108-20-3	
Ethylbenzene	**<13.5**	ug/kg	56.8	13.5	1	03/30/21 08:45	03/30/21 19:35	100-41-4	
Hexachloro-1,3-butadiene	**<113**	ug/kg	284	113	1	03/30/21 08:45	03/30/21 19:35	87-68-3	
Isopropylbenzene (Cumene)	**<15.3**	ug/kg	56.8	15.3	1	03/30/21 08:45	03/30/21 19:35	98-82-8	
p-Isopropyltoluene	**<17.3**	ug/kg	56.8	17.3	1	03/30/21 08:45	03/30/21 19:35	99-87-6	
Methylene Chloride	**<15.8**	ug/kg	56.8	15.8	1	03/30/21 08:45	03/30/21 19:35	75-09-2	
Methyl-tert-butyl ether	**<16.7**	ug/kg	56.8	16.7	1	03/30/21 08:45	03/30/21 19:35	1634-04-4	
Naphthalene	**<17.7**	ug/kg	284	17.7	1	03/30/21 08:45	03/30/21 19:35	91-20-3	
n-Propylbenzene	**<13.6**	ug/kg	56.8	13.6	1	03/30/21 08:45	03/30/21 19:35	103-65-1	
Styrene	**<14.5**	ug/kg	56.8	14.5	1	03/30/21 08:45	03/30/21 19:35	100-42-5	
1,1,1,2-Tetrachloroethane	**<13.6**	ug/kg	56.8	13.6	1	03/30/21 08:45	03/30/21 19:35	630-20-6	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-1 (9-10') **Lab ID: 40224112001** Collected: 03/26/21 10:05 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
1,1,2,2-Tetrachloroethane	**<20.5**	ug/kg	56.8	20.5	1	03/30/21 08:45	03/30/21 19:35	79-34-5	
Tetrachloroethene	**<22.0**	ug/kg	56.8	22.0	1	03/30/21 08:45	03/30/21 19:35	127-18-4	
Toluene	**<14.3**	ug/kg	56.8	14.3	1	03/30/21 08:45	03/30/21 19:35	108-88-3	
1,2,3-Trichlorobenzene	**<63.2**	ug/kg	284	63.2	1	03/30/21 08:45	03/30/21 19:35	87-61-6	
1,2,4-Trichlorobenzene	**<46.8**	ug/kg	284	46.8	1	03/30/21 08:45	03/30/21 19:35	120-82-1	
1,1,1-Trichloroethane	**<14.5**	ug/kg	56.8	14.5	1	03/30/21 08:45	03/30/21 19:35	71-55-6	
1,1,2-Trichloroethane	**<20.7**	ug/kg	56.8	20.7	1	03/30/21 08:45	03/30/21 19:35	79-00-5	
Trichloroethene	**<21.2**	ug/kg	56.8	21.2	1	03/30/21 08:45	03/30/21 19:35	79-01-6	
Trichlorofluoromethane	**<16.5**	ug/kg	56.8	16.5	1	03/30/21 08:45	03/30/21 19:35	75-69-4	
1,2,3-Trichloropropane	**<27.6**	ug/kg	56.8	27.6	1	03/30/21 08:45	03/30/21 19:35	96-18-4	
1,2,4-Trimethylbenzene	**<16.9**	ug/kg	56.8	16.9	1	03/30/21 08:45	03/30/21 19:35	95-63-6	
1,3,5-Trimethylbenzene	**<18.3**	ug/kg	56.8	18.3	1	03/30/21 08:45	03/30/21 19:35	108-67-8	
Vinyl chloride	**<11.5**	ug/kg	56.8	11.5	1	03/30/21 08:45	03/30/21 19:35	75-01-4	
Xylene (Total)	**<41.0**	ug/kg	170	41.0	1	03/30/21 08:45	03/30/21 19:35	1330-20-7	
m&p-Xylene	**<24.0**	ug/kg	114	24.0	1	03/30/21 08:45	03/30/21 19:35	179601-23-1	
o-Xylene	**<17.0**	ug/kg	56.8	17.0	1	03/30/21 08:45	03/30/21 19:35	95-47-6	
Surrogates									
Toluene-d8 (S)	105	%	67-159		1	03/30/21 08:45	03/30/21 19:35	2037-26-5	
4-Bromofluorobenzene (S)	118	%	66-153		1	03/30/21 08:45	03/30/21 19:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	121	%	82-158		1	03/30/21 08:45	03/30/21 19:35	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
	Pace Analytical Services - Green Bay								
Percent Moisture	**6.3**	%	0.10	0.10	1		03/27/21 13:44		

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-1 (13-14') **Lab ID: 40224112002** Collected: 03/26/21 10:10 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
	Pace Analytical Services - Green Bay								
Lead	**1.4J**	mg/kg	2.1	0.62	1	03/30/21 06:40	03/30/21 14:50	7439-92-1	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546								
	Pace Analytical Services - Green Bay								
Acenaphthene	**<2.3**	ug/kg	17.7	2.3	1	04/02/21 07:59	04/05/21 09:43	83-32-9	
Acenaphthylene	**<2.2**	ug/kg	17.7	2.2	1	04/02/21 07:59	04/05/21 09:43	208-96-8	
Anthracene	**<2.2**	ug/kg	17.7	2.2	1	04/02/21 07:59	04/05/21 09:43	120-12-7	
Benzo(a)anthracene	**<2.3**	ug/kg	17.7	2.3	1	04/02/21 07:59	04/05/21 09:43	56-55-3	
Benzo(a)pyrene	**<2.0**	ug/kg	17.7	2.0	1	04/02/21 07:59	04/05/21 09:43	50-32-8	
Benzo(b)fluoranthene	**<2.5**	ug/kg	17.7	2.5	1	04/02/21 07:59	04/05/21 09:43	205-99-2	
Benzo(g,h,i)perylene	**<3.1**	ug/kg	17.7	3.1	1	04/02/21 07:59	04/05/21 09:43	191-24-2	
Benzo(k)fluoranthene	**<2.3**	ug/kg	17.7	2.3	1	04/02/21 07:59	04/05/21 09:43	207-08-9	
Chrysene	**<3.3**	ug/kg	17.7	3.3	1	04/02/21 07:59	04/05/21 09:43	218-01-9	
Dibenz(a,h)anthracene	**<2.4**	ug/kg	17.7	2.4	1	04/02/21 07:59	04/05/21 09:43	53-70-3	
Fluoranthene	**<2.1**	ug/kg	17.7	2.1	1	04/02/21 07:59	04/05/21 09:43	206-44-0	
Fluorene	**<2.1**	ug/kg	17.7	2.1	1	04/02/21 07:59	04/05/21 09:43	86-73-7	
Indeno(1,2,3-cd)pyrene	**<3.7**	ug/kg	17.7	3.7	1	04/02/21 07:59	04/05/21 09:43	193-39-5	
1-Methylnaphthalene	**<2.6**	ug/kg	17.7	2.6	1	04/02/21 07:59	04/05/21 09:43	90-12-0	
2-Methylnaphthalene	**<2.6**	ug/kg	17.7	2.6	1	04/02/21 07:59	04/05/21 09:43	91-57-6	
Naphthalene	**<1.7**	ug/kg	17.7	1.7	1	04/02/21 07:59	04/05/21 09:43	91-20-3	
Phenanthrene	**<2.0**	ug/kg	17.7	2.0	1	04/02/21 07:59	04/05/21 09:43	85-01-8	
Pyrene	**<2.6**	ug/kg	17.7	2.6	1	04/02/21 07:59	04/05/21 09:43	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	75	%	36-86		1	04/02/21 07:59	04/05/21 09:43	321-60-8	
Terphenyl-d14 (S)	86	%	41-97		1	04/02/21 07:59	04/05/21 09:43	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
Benzene	**<13.2**	ug/kg	22.3	13.2	1	03/30/21 08:45	03/30/21 19:55	71-43-2	
Bromobenzene	**<21.7**	ug/kg	55.7	21.7	1	03/30/21 08:45	03/30/21 19:55	108-86-1	
Bromochloromethane	**<15.3**	ug/kg	55.7	15.3	1	03/30/21 08:45	03/30/21 19:55	74-97-5	
Bromodichloromethane	**<13.2**	ug/kg	55.7	13.2	1	03/30/21 08:45	03/30/21 19:55	75-27-4	
Bromoform	**<245**	ug/kg	278	245	1	03/30/21 08:45	03/30/21 19:55	75-25-2	
Bromomethane	**<78.0**	ug/kg	278	78.0	1	03/30/21 08:45	03/30/21 19:55	74-83-9	
n-Butylbenzene	**<25.5**	ug/kg	55.7	25.5	1	03/30/21 08:45	03/30/21 19:55	104-51-8	
sec-Butylbenzene	**<13.6**	ug/kg	55.7	13.6	1	03/30/21 08:45	03/30/21 19:55	135-98-8	
tert-Butylbenzene	**<17.5**	ug/kg	55.7	17.5	1	03/30/21 08:45	03/30/21 19:55	98-06-6	
Carbon tetrachloride	**<12.2**	ug/kg	55.7	12.2	1	03/30/21 08:45	03/30/21 19:55	56-23-5	
Chlorobenzene	**<6.7**	ug/kg	55.7	6.7	1	03/30/21 08:45	03/30/21 19:55	108-90-7	
Chloroethane	**<23.5**	ug/kg	278	23.5	1	03/30/21 08:45	03/30/21 19:55	75-00-3	
Chloroform	**<39.9**	ug/kg	278	39.9	1	03/30/21 08:45	03/30/21 19:55	67-66-3	
Chloromethane	**<21.2**	ug/kg	55.7	21.2	1	03/30/21 08:45	03/30/21 19:55	74-87-3	L1
2-Chlorotoluene	**<18.0**	ug/kg	55.7	18.0	1	03/30/21 08:45	03/30/21 19:55	95-49-8	
4-Chlorotoluene	**<21.2**	ug/kg	55.7	21.2	1	03/30/21 08:45	03/30/21 19:55	106-43-4	

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

ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-1 (13-14') **Lab ID: 40224112002** Collected: 03/26/21 10:10 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
1,2-Dibromo-3-chloropropane	**<43.2**	ug/kg	278	43.2	1	03/30/21 08:45	03/30/21 19:55	96-12-8	
Dibromochloromethane	**<190**	ug/kg	278	190	1	03/30/21 08:45	03/30/21 19:55	124-48-1	
1,2-Dibromoethane (EDB)	**<15.3**	ug/kg	55.7	15.3	1	03/30/21 08:45	03/30/21 19:55	106-93-4	
Dibromomethane	**<16.5**	ug/kg	55.7	16.5	1	03/30/21 08:45	03/30/21 19:55	74-95-3	
1,2-Dichlorobenzene	**<17.3**	ug/kg	55.7	17.3	1	03/30/21 08:45	03/30/21 19:55	95-50-1	
1,3-Dichlorobenzene	**<15.3**	ug/kg	55.7	15.3	1	03/30/21 08:45	03/30/21 19:55	541-73-1	
1,4-Dichlorobenzene	**<15.3**	ug/kg	55.7	15.3	1	03/30/21 08:45	03/30/21 19:55	106-46-7	
Dichlorodifluoromethane	**<23.9**	ug/kg	55.7	23.9	1	03/30/21 08:45	03/30/21 19:55	75-71-8	
1,1-Dichloroethane	**<14.3**	ug/kg	55.7	14.3	1	03/30/21 08:45	03/30/21 19:55	75-34-3	
1,2-Dichloroethane	**<12.8**	ug/kg	55.7	12.8	1	03/30/21 08:45	03/30/21 19:55	107-06-2	
1,1-Dichloroethene	**<18.5**	ug/kg	55.7	18.5	1	03/30/21 08:45	03/30/21 19:55	75-35-4	
cis-1,2-Dichloroethene	**<11.9**	ug/kg	55.7	11.9	1	03/30/21 08:45	03/30/21 19:55	156-59-2	
trans-1,2-Dichloroethene	**<12.0**	ug/kg	55.7	12.0	1	03/30/21 08:45	03/30/21 19:55	156-60-5	
1,2-Dichloropropane	**<13.2**	ug/kg	55.7	13.2	1	03/30/21 08:45	03/30/21 19:55	78-87-5	
1,3-Dichloropropane	**<12.1**	ug/kg	55.7	12.1	1	03/30/21 08:45	03/30/21 19:55	142-28-9	
2,2-Dichloropropane	**<15.0**	ug/kg	55.7	15.0	1	03/30/21 08:45	03/30/21 19:55	594-20-7	
1,1-Dichloropropene	**<18.0**	ug/kg	55.7	18.0	1	03/30/21 08:45	03/30/21 19:55	563-58-6	
cis-1,3-Dichloropropene	**<36.7**	ug/kg	278	36.7	1	03/30/21 08:45	03/30/21 19:55	10061-01-5	
trans-1,3-Dichloropropene	**<159**	ug/kg	278	159	1	03/30/21 08:45	03/30/21 19:55	10061-02-6	
Diisopropyl ether	**<13.8**	ug/kg	55.7	13.8	1	03/30/21 08:45	03/30/21 19:55	108-20-3	
Ethylbenzene	**<13.2**	ug/kg	55.7	13.2	1	03/30/21 08:45	03/30/21 19:55	100-41-4	
Hexachloro-1,3-butadiene	**<111**	ug/kg	278	111	1	03/30/21 08:45	03/30/21 19:55	87-68-3	
Isopropylbenzene (Cumene)	**<15.0**	ug/kg	55.7	15.0	1	03/30/21 08:45	03/30/21 19:55	98-82-8	
p-Isopropyltoluene	**<16.9**	ug/kg	55.7	16.9	1	03/30/21 08:45	03/30/21 19:55	99-87-6	
Methylene Chloride	**<15.5**	ug/kg	55.7	15.5	1	03/30/21 08:45	03/30/21 19:55	75-09-2	
Methyl-tert-butyl ether	**<16.4**	ug/kg	55.7	16.4	1	03/30/21 08:45	03/30/21 19:55	1634-04-4	
Naphthalene	**<17.4**	ug/kg	278	17.4	1	03/30/21 08:45	03/30/21 19:55	91-20-3	
n-Propylbenzene	**<13.4**	ug/kg	55.7	13.4	1	03/30/21 08:45	03/30/21 19:55	103-65-1	
Styrene	**<14.3**	ug/kg	55.7	14.3	1	03/30/21 08:45	03/30/21 19:55	100-42-5	
1,1,1,2-Tetrachloroethane	**<13.4**	ug/kg	55.7	13.4	1	03/30/21 08:45	03/30/21 19:55	630-20-6	
1,1,2,2-Tetrachloroethane	**<20.2**	ug/kg	55.7	20.2	1	03/30/21 08:45	03/30/21 19:55	79-34-5	
Tetrachloroethene	**<21.6**	ug/kg	55.7	21.6	1	03/30/21 08:45	03/30/21 19:55	127-18-4	
Toluene	**<14.0**	ug/kg	55.7	14.0	1	03/30/21 08:45	03/30/21 19:55	108-88-3	
1,2,3-Trichlorobenzene	**<62.0**	ug/kg	278	62.0	1	03/30/21 08:45	03/30/21 19:55	87-61-6	
1,2,4-Trichlorobenzene	**<45.9**	ug/kg	278	45.9	1	03/30/21 08:45	03/30/21 19:55	120-82-1	
1,1,1-Trichloroethane	**<14.3**	ug/kg	55.7	14.3	1	03/30/21 08:45	03/30/21 19:55	71-55-6	
1,1,2-Trichloroethane	**<20.3**	ug/kg	55.7	20.3	1	03/30/21 08:45	03/30/21 19:55	79-00-5	
Trichloroethene	**<20.8**	ug/kg	55.7	20.8	1	03/30/21 08:45	03/30/21 19:55	79-01-6	
Trichlorofluoromethane	**<16.1**	ug/kg	55.7	16.1	1	03/30/21 08:45	03/30/21 19:55	75-69-4	
1,2,3-Trichloropropane	**<27.1**	ug/kg	55.7	27.1	1	03/30/21 08:45	03/30/21 19:55	96-18-4	
1,2,4-Trimethylbenzene	**<16.6**	ug/kg	55.7	16.6	1	03/30/21 08:45	03/30/21 19:55	95-63-6	
1,3,5-Trimethylbenzene	**<17.9**	ug/kg	55.7	17.9	1	03/30/21 08:45	03/30/21 19:55	108-67-8	
Vinyl chloride	**<11.2**	ug/kg	55.7	11.2	1	03/30/21 08:45	03/30/21 19:55	75-01-4	
Xylene (Total)	**<40.2**	ug/kg	167	40.2	1	03/30/21 08:45	03/30/21 19:55	1330-20-7	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-1 (13-14') **Lab ID: 40224112002** Collected: 03/26/21 10:10 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
m&p-Xylene	**<23.5**	ug/kg	111	23.5	1	03/30/21 08:45	03/30/21 19:55	179601-23-1	
o-Xylene	**<16.7**	ug/kg	55.7	16.7	1	03/30/21 08:45	03/30/21 19:55	95-47-6	
Surrogates									
Toluene-d8 (S)	94	%	67-159		1	03/30/21 08:45	03/30/21 19:55	2037-26-5	
4-Bromofluorobenzene (S)	102	%	66-153		1	03/30/21 08:45	03/30/21 19:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	82-158		1	03/30/21 08:45	03/30/21 19:55	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
	Pace Analytical Services - Green Bay								
Percent Moisture	**5.4**	%	0.10	0.10	1		03/27/21 13:44		

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-2 (1-2') **Lab ID: 40224112003** Collected: 03/26/21 09:10 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
	Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<16.1**	ug/kg	52.8	16.1	1	03/30/21 14:27	03/31/21 17:57	12674-11-2	
PCB-1221 (Aroclor 1221)	**<16.1**	ug/kg	52.8	16.1	1	03/30/21 14:27	03/31/21 17:57	11104-28-2	
PCB-1232 (Aroclor 1232)	**<16.1**	ug/kg	52.8	16.1	1	03/30/21 14:27	03/31/21 17:57	11141-16-5	
PCB-1242 (Aroclor 1242)	**<16.1**	ug/kg	52.8	16.1	1	03/30/21 14:27	03/31/21 17:57	53469-21-9	
PCB-1248 (Aroclor 1248)	**<16.1**	ug/kg	52.8	16.1	1	03/30/21 14:27	03/31/21 17:57	12672-29-6	
PCB-1254 (Aroclor 1254)	**<16.1**	ug/kg	52.8	16.1	1	03/30/21 14:27	03/31/21 17:57	11097-69-1	
PCB-1260 (Aroclor 1260)	**<16.1**	ug/kg	52.8	16.1	1	03/30/21 14:27	03/31/21 17:57	11096-82-5	
PCB, Total	**<16.1**	ug/kg	52.8	16.1	1	03/30/21 14:27	03/31/21 17:57	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	84	%	67-102		1	03/30/21 14:27	03/31/21 17:57	877-09-8	
Decachlorobiphenyl (S)	90	%	47-114		1	03/30/21 14:27	03/31/21 17:57	2051-24-3	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
	Pace Analytical Services - Green Bay								
Lead	**51.9**	mg/kg	2.0	0.59	1	03/30/21 06:40	03/30/21 14:52	7439-92-1	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546								
	Pace Analytical Services - Green Bay								
Acenaphthene	**<2.3**	ug/kg	17.7	2.3	1	04/01/21 08:19	04/06/21 00:41	83-32-9	
Acenaphthylene	**10.9J**	ug/kg	17.7	2.2	1	04/01/21 08:19	04/06/21 00:41	208-96-8	
Anthracene	**12.4J**	ug/kg	17.7	2.2	1	04/01/21 08:19	04/06/21 00:41	120-12-7	
Benzo(a)anthracene	**34.6**	ug/kg	17.7	2.3	1	04/01/21 08:19	04/06/21 00:41	56-55-3	
Benzo(a)pyrene	**38.3**	ug/kg	17.7	2.0	1	04/01/21 08:19	04/06/21 00:41	50-32-8	
Benzo(b)fluoranthene	**68.3**	ug/kg	17.7	2.5	1	04/01/21 08:19	04/06/21 00:41	205-99-2	
Benzo(g,h,i)perylene	**38.3**	ug/kg	17.7	3.1	1	04/01/21 08:19	04/06/21 00:41	191-24-2	
Benzo(k)fluoranthene	**18.7**	ug/kg	17.7	2.3	1	04/01/21 08:19	04/06/21 00:41	207-08-9	
Chrysene	**44.4**	ug/kg	17.7	3.3	1	04/01/21 08:19	04/06/21 00:41	218-01-9	
Dibenz(a,h)anthracene	**11.1J**	ug/kg	17.7	2.4	1	04/01/21 08:19	04/06/21 00:41	53-70-3	
Fluoranthene	**84.1**	ug/kg	17.7	2.1	1	04/01/21 08:19	04/06/21 00:41	206-44-0	
Fluorene	**<2.1**	ug/kg	17.7	2.1	1	04/01/21 08:19	04/06/21 00:41	86-73-7	
Indeno(1,2,3-cd)pyrene	**30.7**	ug/kg	17.7	3.7	1	04/01/21 08:19	04/06/21 00:41	193-39-5	
1-Methylnaphthalene	**5.9J**	ug/kg	17.7	2.6	1	04/01/21 08:19	04/06/21 00:41	90-12-0	
2-Methylnaphthalene	**10.5J**	ug/kg	17.7	2.6	1	04/01/21 08:19	04/06/21 00:41	91-57-6	
Naphthalene	**7.4J**	ug/kg	17.7	1.7	1	04/01/21 08:19	04/06/21 00:41	91-20-3	B
Phenanthrene	**51.3**	ug/kg	17.7	2.0	1	04/01/21 08:19	04/06/21 00:41	85-01-8	
Pyrene	**75.9**	ug/kg	17.7	2.6	1	04/01/21 08:19	04/06/21 00:41	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	77	%	36-86		1	04/01/21 08:19	04/06/21 00:41	321-60-8	
Terphenyl-d14 (S)	91	%	41-97		1	04/01/21 08:19	04/06/21 00:41	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
Benzene	**<13.2**	ug/kg	22.2	13.2	1	03/30/21 08:45	03/30/21 20:15	71-43-2	
Bromobenzene	**<21.7**	ug/kg	55.6	21.7	1	03/30/21 08:45	03/30/21 20:15	108-86-1	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-2 (1-2') **Lab ID: 40224112003** Collected: 03/26/21 09:10 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Bromochloromethane	**<15.2**	ug/kg	55.6	15.2	1	03/30/21 08:45	03/30/21 20:15	74-97-5	
Bromodichloromethane	**<13.2**	ug/kg	55.6	13.2	1	03/30/21 08:45	03/30/21 20:15	75-27-4	
Bromoform	**<244**	ug/kg	278	244	1	03/30/21 08:45	03/30/21 20:15	75-25-2	
Bromomethane	**<77.9**	ug/kg	278	77.9	1	03/30/21 08:45	03/30/21 20:15	74-83-9	
n-Butylbenzene	**<25.4**	ug/kg	55.6	25.4	1	03/30/21 08:45	03/30/21 20:15	104-51-8	
sec-Butylbenzene	**<13.6**	ug/kg	55.6	13.6	1	03/30/21 08:45	03/30/21 20:15	135-98-8	
tert-Butylbenzene	**<17.4**	ug/kg	55.6	17.4	1	03/30/21 08:45	03/30/21 20:15	98-06-6	
Carbon tetrachloride	**<12.2**	ug/kg	55.6	12.2	1	03/30/21 08:45	03/30/21 20:15	56-23-5	
Chlorobenzene	**<6.7**	ug/kg	55.6	6.7	1	03/30/21 08:45	03/30/21 20:15	108-90-7	
Chloroethane	**<23.4**	ug/kg	278	23.4	1	03/30/21 08:45	03/30/21 20:15	75-00-3	
Chloroform	**<39.8**	ug/kg	278	39.8	1	03/30/21 08:45	03/30/21 20:15	67-66-3	
Chloromethane	**<21.1**	ug/kg	55.6	21.1	1	03/30/21 08:45	03/30/21 20:15	74-87-3	L1
2-Chlorotoluene	**<18.0**	ug/kg	55.6	18.0	1	03/30/21 08:45	03/30/21 20:15	95-49-8	
4-Chlorotoluene	**<21.1**	ug/kg	55.6	21.1	1	03/30/21 08:45	03/30/21 20:15	106-43-4	
1,2-Dibromo-3-chloropropane	**<43.1**	ug/kg	278	43.1	1	03/30/21 08:45	03/30/21 20:15	96-12-8	
Dibromochloromethane	**<190**	ug/kg	278	190	1	03/30/21 08:45	03/30/21 20:15	124-48-1	
1,2-Dibromoethane (EDB)	**<15.2**	ug/kg	55.6	15.2	1	03/30/21 08:45	03/30/21 20:15	106-93-4	
Dibromomethane	**<16.4**	ug/kg	55.6	16.4	1	03/30/21 08:45	03/30/21 20:15	74-95-3	
1,2-Dichlorobenzene	**<17.2**	ug/kg	55.6	17.2	1	03/30/21 08:45	03/30/21 20:15	95-50-1	
1,3-Dichlorobenzene	**<15.2**	ug/kg	55.6	15.2	1	03/30/21 08:45	03/30/21 20:15	541-73-1	
1,4-Dichlorobenzene	**<15.2**	ug/kg	55.6	15.2	1	03/30/21 08:45	03/30/21 20:15	106-46-7	
Dichlorodifluoromethane	**<23.9**	ug/kg	55.6	23.9	1	03/30/21 08:45	03/30/21 20:15	75-71-8	
1,1-Dichloroethane	**<14.2**	ug/kg	55.6	14.2	1	03/30/21 08:45	03/30/21 20:15	75-34-3	
1,2-Dichloroethane	**<12.8**	ug/kg	55.6	12.8	1	03/30/21 08:45	03/30/21 20:15	107-06-2	
1,1-Dichloroethene	**<18.4**	ug/kg	55.6	18.4	1	03/30/21 08:45	03/30/21 20:15	75-35-4	
cis-1,2-Dichloroethene	**<11.9**	ug/kg	55.6	11.9	1	03/30/21 08:45	03/30/21 20:15	156-59-2	
trans-1,2-Dichloroethene	**<12.0**	ug/kg	55.6	12.0	1	03/30/21 08:45	03/30/21 20:15	156-60-5	
1,2-Dichloropropane	**<13.2**	ug/kg	55.6	13.2	1	03/30/21 08:45	03/30/21 20:15	78-87-5	
1,3-Dichloropropane	**<12.1**	ug/kg	55.6	12.1	1	03/30/21 08:45	03/30/21 20:15	142-28-9	
2,2-Dichloropropane	**<15.0**	ug/kg	55.6	15.0	1	03/30/21 08:45	03/30/21 20:15	594-20-7	
1,1-Dichloropropene	**<18.0**	ug/kg	55.6	18.0	1	03/30/21 08:45	03/30/21 20:15	563-58-6	
cis-1,3-Dichloropropene	**<36.7**	ug/kg	278	36.7	1	03/30/21 08:45	03/30/21 20:15	10061-01-5	
trans-1,3-Dichloropropene	**<159**	ug/kg	278	159	1	03/30/21 08:45	03/30/21 20:15	10061-02-6	
Diisopropyl ether	**<13.8**	ug/kg	55.6	13.8	1	03/30/21 08:45	03/30/21 20:15	108-20-3	
Ethylbenzene	**<13.2**	ug/kg	55.6	13.2	1	03/30/21 08:45	03/30/21 20:15	100-41-4	
Hexachloro-1,3-butadiene	**<110**	ug/kg	278	110	1	03/30/21 08:45	03/30/21 20:15	87-68-3	
Isopropylbenzene (Cumene)	**<15.0**	ug/kg	55.6	15.0	1	03/30/21 08:45	03/30/21 20:15	98-82-8	
p-Isopropyltoluene	**<16.9**	ug/kg	55.6	16.9	1	03/30/21 08:45	03/30/21 20:15	99-87-6	
Methylene Chloride	**<15.4**	ug/kg	55.6	15.4	1	03/30/21 08:45	03/30/21 20:15	75-09-2	
Methyl-tert-butyl ether	**<16.3**	ug/kg	55.6	16.3	1	03/30/21 08:45	03/30/21 20:15	1634-04-4	
Naphthalene	**<17.3**	ug/kg	278	17.3	1	03/30/21 08:45	03/30/21 20:15	91-20-3	
n-Propylbenzene	**<13.3**	ug/kg	55.6	13.3	1	03/30/21 08:45	03/30/21 20:15	103-65-1	
Styrene	**<14.2**	ug/kg	55.6	14.2	1	03/30/21 08:45	03/30/21 20:15	100-42-5	
1,1,1,2-Tetrachloroethane	**<13.3**	ug/kg	55.6	13.3	1	03/30/21 08:45	03/30/21 20:15	630-20-6	

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-2 (1-2') **Lab ID: 40224112003** Collected: 03/26/21 09:10 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
1,1,2,2-Tetrachloroethane	**<20.1**	ug/kg	55.6	20.1	1	03/30/21 08:45	03/30/21 20:15	79-34-5	
Tetrachloroethene	**<21.6**	ug/kg	55.6	21.6	1	03/30/21 08:45	03/30/21 20:15	127-18-4	
Toluene	**<14.0**	ug/kg	55.6	14.0	1	03/30/21 08:45	03/30/21 20:15	108-88-3	
1,2,3-Trichlorobenzene	**<61.9**	ug/kg	278	61.9	1	03/30/21 08:45	03/30/21 20:15	87-61-6	
1,2,4-Trichlorobenzene	**<45.8**	ug/kg	278	45.8	1	03/30/21 08:45	03/30/21 20:15	120-82-1	
1,1,1-Trichloroethane	**<14.2**	ug/kg	55.6	14.2	1	03/30/21 08:45	03/30/21 20:15	71-55-6	
1,1,2-Trichloroethane	**<20.2**	ug/kg	55.6	20.2	1	03/30/21 08:45	03/30/21 20:15	79-00-5	
Trichloroethene	**<20.8**	ug/kg	55.6	20.8	1	03/30/21 08:45	03/30/21 20:15	79-01-6	
Trichlorofluoromethane	**<16.1**	ug/kg	55.6	16.1	1	03/30/21 08:45	03/30/21 20:15	75-69-4	
1,2,3-Trichloropropane	**<27.0**	ug/kg	55.6	27.0	1	03/30/21 08:45	03/30/21 20:15	96-18-4	
1,2,4-Trimethylbenzene	**<16.6**	ug/kg	55.6	16.6	1	03/30/21 08:45	03/30/21 20:15	95-63-6	
1,3,5-Trimethylbenzene	**<17.9**	ug/kg	55.6	17.9	1	03/30/21 08:45	03/30/21 20:15	108-67-8	
Vinyl chloride	**<11.2**	ug/kg	55.6	11.2	1	03/30/21 08:45	03/30/21 20:15	75-01-4	
Xylene (Total)	**<40.1**	ug/kg	167	40.1	1	03/30/21 08:45	03/30/21 20:15	1330-20-7	
m&p-Xylene	**<23.4**	ug/kg	111	23.4	1	03/30/21 08:45	03/30/21 20:15	179601-23-1	
o-Xylene	**<16.7**	ug/kg	55.6	16.7	1	03/30/21 08:45	03/30/21 20:15	95-47-6	
Surrogates									
Toluene-d8 (S)	97	%	67-159		1	03/30/21 08:45	03/30/21 20:15	2037-26-5	
4-Bromofluorobenzene (S)	105	%	66-153		1	03/30/21 08:45	03/30/21 20:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	82-158		1	03/30/21 08:45	03/30/21 20:15	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
	Pace Analytical Services - Green Bay								
Percent Moisture	**5.3**	%	0.10	0.10	1		03/27/21 13:44		

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(920)469-2436

ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-2 (9-10') **Lab ID: 40224112004** Collected: 03/26/21 09:27 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
	Pace Analytical Services - Green Bay								
Lead	**0.76J**	mg/kg	1.9	0.58	1	03/30/21 06:40	03/30/21 14:55	7439-92-1	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546								
	Pace Analytical Services - Green Bay								
Acenaphthene	**<2.3**	ug/kg	17.5	2.3	1	04/01/21 08:19	04/02/21 10:15	83-32-9	
Acenaphthylene	**<2.2**	ug/kg	17.5	2.2	1	04/01/21 08:19	04/02/21 10:15	208-96-8	
Anthracene	**<2.2**	ug/kg	17.5	2.2	1	04/01/21 08:19	04/02/21 10:15	120-12-7	
Benzo(a)anthracene	**<2.3**	ug/kg	17.5	2.3	1	04/01/21 08:19	04/02/21 10:15	56-55-3	
Benzo(a)pyrene	**<2.0**	ug/kg	17.5	2.0	1	04/01/21 08:19	04/02/21 10:15	50-32-8	
Benzo(b)fluoranthene	**<2.4**	ug/kg	17.5	2.4	1	04/01/21 08:19	04/02/21 10:15	205-99-2	
Benzo(g,h,i)perylene	**<3.1**	ug/kg	17.5	3.1	1	04/01/21 08:19	04/02/21 10:15	191-24-2	
Benzo(k)fluoranthene	**<2.2**	ug/kg	17.5	2.2	1	04/01/21 08:19	04/02/21 10:15	207-08-9	
Chrysene	**<3.3**	ug/kg	17.5	3.3	1	04/01/21 08:19	04/02/21 10:15	218-01-9	
Dibenz(a,h)anthracene	**<2.4**	ug/kg	17.5	2.4	1	04/01/21 08:19	04/02/21 10:15	53-70-3	
Fluoranthene	**<2.1**	ug/kg	17.5	2.1	1	04/01/21 08:19	04/02/21 10:15	206-44-0	
Fluorene	**<2.1**	ug/kg	17.5	2.1	1	04/01/21 08:19	04/02/21 10:15	86-73-7	
Indeno(1,2,3-cd)pyrene	**<3.6**	ug/kg	17.5	3.6	1	04/01/21 08:19	04/02/21 10:15	193-39-5	
1-Methylnaphthalene	**<2.6**	ug/kg	17.5	2.6	1	04/01/21 08:19	04/02/21 10:15	90-12-0	
2-Methylnaphthalene	**<2.6**	ug/kg	17.5	2.6	1	04/01/21 08:19	04/02/21 10:15	91-57-6	
Naphthalene	**<1.7**	ug/kg	17.5	1.7	1	04/01/21 08:19	04/02/21 10:15	91-20-3	
Phenanthrene	**<2.0**	ug/kg	17.5	2.0	1	04/01/21 08:19	04/02/21 10:15	85-01-8	
Pyrene	**<2.6**	ug/kg	17.5	2.6	1	04/01/21 08:19	04/02/21 10:15	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%	17-100		1	04/01/21 08:19	04/02/21 10:15	321-60-8	
Terphenyl-d14 (S)	64	%	17-98		1	04/01/21 08:19	04/02/21 10:15	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
Benzene	**<13.0**	ug/kg	21.9	13.0	1	03/30/21 08:45	03/30/21 20:36	71-43-2	
Bromobenzene	**<21.4**	ug/kg	54.7	21.4	1	03/30/21 08:45	03/30/21 20:36	108-86-1	
Bromochloromethane	**<15.0**	ug/kg	54.7	15.0	1	03/30/21 08:45	03/30/21 20:36	74-97-5	
Bromodichloromethane	**<13.0**	ug/kg	54.7	13.0	1	03/30/21 08:45	03/30/21 20:36	75-27-4	
Bromoform	**<241**	ug/kg	274	241	1	03/30/21 08:45	03/30/21 20:36	75-25-2	
Bromomethane	**<76.8**	ug/kg	274	76.8	1	03/30/21 08:45	03/30/21 20:36	74-83-9	
n-Butylbenzene	**<25.1**	ug/kg	54.7	25.1	1	03/30/21 08:45	03/30/21 20:36	104-51-8	
sec-Butylbenzene	**<13.4**	ug/kg	54.7	13.4	1	03/30/21 08:45	03/30/21 20:36	135-98-8	
tert-Butylbenzene	**<17.2**	ug/kg	54.7	17.2	1	03/30/21 08:45	03/30/21 20:36	98-06-6	
Carbon tetrachloride	**<12.0**	ug/kg	54.7	12.0	1	03/30/21 08:45	03/30/21 20:36	56-23-5	
Chlorobenzene	**<6.6**	ug/kg	54.7	6.6	1	03/30/21 08:45	03/30/21 20:36	108-90-7	
Chloroethane	**<23.1**	ug/kg	274	23.1	1	03/30/21 08:45	03/30/21 20:36	75-00-3	
Chloroform	**<39.2**	ug/kg	274	39.2	1	03/30/21 08:45	03/30/21 20:36	67-66-3	
Chloromethane	**<20.8**	ug/kg	54.7	20.8	1	03/30/21 08:45	03/30/21 20:36	74-87-3	L1
2-Chlorotoluene	**<17.7**	ug/kg	54.7	17.7	1	03/30/21 08:45	03/30/21 20:36	95-49-8	
4-Chlorotoluene	**<20.8**	ug/kg	54.7	20.8	1	03/30/21 08:45	03/30/21 20:36	106-43-4	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-2 (9-10') **Lab ID: 40224112004** Collected: 03/26/21 09:27 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
1,2-Dibromo-3-chloropropane	**<42.5**	ug/kg	274	42.5	1	03/30/21 08:45	03/30/21 20:36	96-12-8	
Dibromochloromethane	**<187**	ug/kg	274	187	1	03/30/21 08:45	03/30/21 20:36	124-48-1	
1,2-Dibromoethane (EDB)	**<15.0**	ug/kg	54.7	15.0	1	03/30/21 08:45	03/30/21 20:36	106-93-4	
Dibromomethane	**<16.2**	ug/kg	54.7	16.2	1	03/30/21 08:45	03/30/21 20:36	74-95-3	
1,2-Dichlorobenzene	**<17.0**	ug/kg	54.7	17.0	1	03/30/21 08:45	03/30/21 20:36	95-50-1	
1,3-Dichlorobenzene	**<15.0**	ug/kg	54.7	15.0	1	03/30/21 08:45	03/30/21 20:36	541-73-1	
1,4-Dichlorobenzene	**<15.0**	ug/kg	54.7	15.0	1	03/30/21 08:45	03/30/21 20:36	106-46-7	
Dichlorodifluoromethane	**<23.5**	ug/kg	54.7	23.5	1	03/30/21 08:45	03/30/21 20:36	75-71-8	
1,1-Dichloroethane	**<14.0**	ug/kg	54.7	14.0	1	03/30/21 08:45	03/30/21 20:36	75-34-3	
1,2-Dichloroethane	**<12.6**	ug/kg	54.7	12.6	1	03/30/21 08:45	03/30/21 20:36	107-06-2	
1,1-Dichloroethene	**<18.2**	ug/kg	54.7	18.2	1	03/30/21 08:45	03/30/21 20:36	75-35-4	
cis-1,2-Dichloroethene	**<11.7**	ug/kg	54.7	11.7	1	03/30/21 08:45	03/30/21 20:36	156-59-2	
trans-1,2-Dichloroethene	**<11.8**	ug/kg	54.7	11.8	1	03/30/21 08:45	03/30/21 20:36	156-60-5	
1,2-Dichloropropane	**<13.0**	ug/kg	54.7	13.0	1	03/30/21 08:45	03/30/21 20:36	78-87-5	
1,3-Dichloropropane	**<11.9**	ug/kg	54.7	11.9	1	03/30/21 08:45	03/30/21 20:36	142-28-9	
2,2-Dichloropropane	**<14.8**	ug/kg	54.7	14.8	1	03/30/21 08:45	03/30/21 20:36	594-20-7	
1,1-Dichloropropene	**<17.7**	ug/kg	54.7	17.7	1	03/30/21 08:45	03/30/21 20:36	563-58-6	
cis-1,3-Dichloropropene	**<36.1**	ug/kg	274	36.1	1	03/30/21 08:45	03/30/21 20:36	10061-01-5	
trans-1,3-Dichloropropene	**<157**	ug/kg	274	157	1	03/30/21 08:45	03/30/21 20:36	10061-02-6	
Diisopropyl ether	**<13.6**	ug/kg	54.7	13.6	1	03/30/21 08:45	03/30/21 20:36	108-20-3	
Ethylbenzene	**<13.0**	ug/kg	54.7	13.0	1	03/30/21 08:45	03/30/21 20:36	100-41-4	
Hexachloro-1,3-butadiene	**<109**	ug/kg	274	109	1	03/30/21 08:45	03/30/21 20:36	87-68-3	
Isopropylbenzene (Cumene)	**<14.8**	ug/kg	54.7	14.8	1	03/30/21 08:45	03/30/21 20:36	98-82-8	
p-Isopropyltoluene	**<16.6**	ug/kg	54.7	16.6	1	03/30/21 08:45	03/30/21 20:36	99-87-6	
Methylene Chloride	**<15.2**	ug/kg	54.7	15.2	1	03/30/21 08:45	03/30/21 20:36	75-09-2	
Methyl-tert-butyl ether	**<16.1**	ug/kg	54.7	16.1	1	03/30/21 08:45	03/30/21 20:36	1634-04-4	
Naphthalene	**<17.1**	ug/kg	274	17.1	1	03/30/21 08:45	03/30/21 20:36	91-20-3	
n-Propylbenzene	**<13.1**	ug/kg	54.7	13.1	1	03/30/21 08:45	03/30/21 20:36	103-65-1	
Styrene	**<14.0**	ug/kg	54.7	14.0	1	03/30/21 08:45	03/30/21 20:36	100-42-5	
1,1,1,2-Tetrachloroethane	**<13.1**	ug/kg	54.7	13.1	1	03/30/21 08:45	03/30/21 20:36	630-20-6	
1,1,2,2-Tetrachloroethane	**<19.8**	ug/kg	54.7	19.8	1	03/30/21 08:45	03/30/21 20:36	79-34-5	
Tetrachloroethene	**<21.2**	ug/kg	54.7	21.2	1	03/30/21 08:45	03/30/21 20:36	127-18-4	
Toluene	**<13.8**	ug/kg	54.7	13.8	1	03/30/21 08:45	03/30/21 20:36	108-88-3	
1,2,3-Trichlorobenzene	**<61.0**	ug/kg	274	61.0	1	03/30/21 08:45	03/30/21 20:36	87-61-6	
1,2,4-Trichlorobenzene	**<45.1**	ug/kg	274	45.1	1	03/30/21 08:45	03/30/21 20:36	120-82-1	
1,1,1-Trichloroethane	**<14.0**	ug/kg	54.7	14.0	1	03/30/21 08:45	03/30/21 20:36	71-55-6	
1,1,2-Trichloroethane	**<19.9**	ug/kg	54.7	19.9	1	03/30/21 08:45	03/30/21 20:36	79-00-5	
Trichloroethene	**<20.5**	ug/kg	54.7	20.5	1	03/30/21 08:45	03/30/21 20:36	79-01-6	
Trichlorofluoromethane	**<15.9**	ug/kg	54.7	15.9	1	03/30/21 08:45	03/30/21 20:36	75-69-4	
1,2,3-Trichloropropane	**<26.6**	ug/kg	54.7	26.6	1	03/30/21 08:45	03/30/21 20:36	96-18-4	
1,2,4-Trimethylbenzene	**<16.3**	ug/kg	54.7	16.3	1	03/30/21 08:45	03/30/21 20:36	95-63-6	
1,3,5-Trimethylbenzene	**<17.6**	ug/kg	54.7	17.6	1	03/30/21 08:45	03/30/21 20:36	108-67-8	
Vinyl chloride	**<11.1**	ug/kg	54.7	11.1	1	03/30/21 08:45	03/30/21 20:36	75-01-4	
Xylene (Total)	**<39.5**	ug/kg	164	39.5	1	03/30/21 08:45	03/30/21 20:36	1330-20-7	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-2 (9-10') **Lab ID: 40224112004** Collected: 03/26/21 09:27 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
m&p-Xylene	**<23.1**	ug/kg	109	23.1	1	03/30/21 08:45	03/30/21 20:36	179601-23-1	
o-Xylene	**<16.4**	ug/kg	54.7	16.4	1	03/30/21 08:45	03/30/21 20:36	95-47-6	
Surrogates									
Toluene-d8 (S)	110	%	67-159		1	03/30/21 08:45	03/30/21 20:36	2037-26-5	
4-Bromofluorobenzene (S)	127	%	66-153		1	03/30/21 08:45	03/30/21 20:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	124	%	82-158		1	03/30/21 08:45	03/30/21 20:36	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
	Pace Analytical Services - Green Bay								
Percent Moisture	**4.5**	%	0.10	0.10	1		03/27/21 13:44		

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-3 (1-2') **Lab ID: 40224112005** Collected: 03/26/21 10:51 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
	Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<18.9**	ug/kg	61.9	18.9	1	03/30/21 14:27	03/31/21 16:30	12674-11-2	
PCB-1221 (Aroclor 1221)	**<18.9**	ug/kg	61.9	18.9	1	03/30/21 14:27	03/31/21 16:30	11104-28-2	
PCB-1232 (Aroclor 1232)	**<18.9**	ug/kg	61.9	18.9	1	03/30/21 14:27	03/31/21 16:30	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.9**	ug/kg	61.9	18.9	1	03/30/21 14:27	03/31/21 16:30	53469-21-9	
PCB-1248 (Aroclor 1248)	**<18.9**	ug/kg	61.9	18.9	1	03/30/21 14:27	03/31/21 16:30	12672-29-6	
PCB-1254 (Aroclor 1254)	**<18.9**	ug/kg	61.9	18.9	1	03/30/21 14:27	03/31/21 16:30	11097-69-1	
PCB-1260 (Aroclor 1260)	**<18.9**	ug/kg	61.9	18.9	1	03/30/21 14:27	03/31/21 16:30	11096-82-5	
PCB, Total	**<18.9**	ug/kg	61.9	18.9	1	03/30/21 14:27	03/31/21 16:30	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	86	%	67-102		1	03/30/21 14:27	03/31/21 16:30	877-09-8	
Decachlorobiphenyl (S)	90	%	47-114		1	03/30/21 14:27	03/31/21 16:30	2051-24-3	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
	Pace Analytical Services - Green Bay								
Lead	**20.1**	mg/kg	2.5	0.74	1	03/30/21 06:40	03/30/21 14:31	7439-92-1	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546								
	Pace Analytical Services - Green Bay								
Acenaphthene	**<2.7**	ug/kg	20.8	2.7	1	04/01/21 08:19	04/02/21 09:21	83-32-9	
Acenaphthylene	**<2.6**	ug/kg	20.8	2.6	1	04/01/21 08:19	04/02/21 09:21	208-96-8	
Anthracene	**<2.6**	ug/kg	20.8	2.6	1	04/01/21 08:19	04/02/21 09:21	120-12-7	
Benzo(a)anthracene	**<2.7**	ug/kg	20.8	2.7	1	04/01/21 08:19	04/02/21 09:21	56-55-3	
Benzo(a)pyrene	**<2.4**	ug/kg	20.8	2.4	1	04/01/21 08:19	04/02/21 09:21	50-32-8	
Benzo(b)fluoranthene	**<2.9**	ug/kg	20.8	2.9	1	04/01/21 08:19	04/02/21 09:21	205-99-2	
Benzo(g,h,i)perylene	**<3.6**	ug/kg	20.8	3.6	1	04/01/21 08:19	04/02/21 09:21	191-24-2	
Benzo(k)fluoranthene	**<2.7**	ug/kg	20.8	2.7	1	04/01/21 08:19	04/02/21 09:21	207-08-9	
Chrysene	**<3.9**	ug/kg	20.8	3.9	1	04/01/21 08:19	04/02/21 09:21	218-01-9	
Dibenz(a,h)anthracene	**<2.9**	ug/kg	20.8	2.9	1	04/01/21 08:19	04/02/21 09:21	53-70-3	
Fluoranthene	**<2.5**	ug/kg	20.8	2.5	1	04/01/21 08:19	04/02/21 09:21	206-44-0	
Fluorene	**<2.5**	ug/kg	20.8	2.5	1	04/01/21 08:19	04/02/21 09:21	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.3**	ug/kg	20.8	4.3	1	04/01/21 08:19	04/02/21 09:21	193-39-5	
1-Methylnaphthalene	**<3.0**	ug/kg	20.8	3.0	1	04/01/21 08:19	04/02/21 09:21	90-12-0	
2-Methylnaphthalene	**<3.0**	ug/kg	20.8	3.0	1	04/01/21 08:19	04/02/21 09:21	91-57-6	
Naphthalene	**4.9J**	ug/kg	20.8	2.0	1	04/01/21 08:19	04/02/21 09:21	91-20-3	B
Phenanthrene	**<2.4**	ug/kg	20.8	2.4	1	04/01/21 08:19	04/02/21 09:21	85-01-8	
Pyrene	**<3.1**	ug/kg	20.8	3.1	1	04/01/21 08:19	04/02/21 09:21	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	69	%	17-100		1	04/01/21 08:19	04/02/21 09:21	321-60-8	
Terphenyl-d14 (S)	82	%	17-98		1	04/01/21 08:19	04/02/21 09:21	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
Benzene	**<17.7**	ug/kg	29.7	17.7	1	03/30/21 08:45	03/30/21 17:34	71-43-2	
Bromobenzene	**<29.0**	ug/kg	74.2	29.0	1	03/30/21 08:45	03/30/21 17:34	108-86-1	

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

ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-3 (1-2') **Lab ID: 40224112005** Collected: 03/26/21 10:51 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Bromochloromethane	**<20.3**	ug/kg	74.2	20.3	1	03/30/21 08:45	03/30/21 17:34	74-97-5	
Bromodichloromethane	**<17.7**	ug/kg	74.2	17.7	1	03/30/21 08:45	03/30/21 17:34	75-27-4	M1
Bromoform	**<327**	ug/kg	371	327	1	03/30/21 08:45	03/30/21 17:34	75-25-2	M1
Bromomethane	**<104**	ug/kg	371	104	1	03/30/21 08:45	03/30/21 17:34	74-83-9	
n-Butylbenzene	**<34.0**	ug/kg	74.2	34.0	1	03/30/21 08:45	03/30/21 17:34	104-51-8	
sec-Butylbenzene	**<18.1**	ug/kg	74.2	18.1	1	03/30/21 08:45	03/30/21 17:34	135-98-8	
tert-Butylbenzene	**<23.3**	ug/kg	74.2	23.3	1	03/30/21 08:45	03/30/21 17:34	98-06-6	
Carbon tetrachloride	**<16.3**	ug/kg	74.2	16.3	1	03/30/21 08:45	03/30/21 17:34	56-23-5	
Chlorobenzene	**<8.9**	ug/kg	74.2	8.9	1	03/30/21 08:45	03/30/21 17:34	108-90-7	M1
Chloroethane	**<31.3**	ug/kg	371	31.3	1	03/30/21 08:45	03/30/21 17:34	75-00-3	
Chloroform	**<53.2**	ug/kg	371	53.2	1	03/30/21 08:45	03/30/21 17:34	67-66-3	M1
Chloromethane	**<28.2**	ug/kg	74.2	28.2	1	03/30/21 08:45	03/30/21 17:34	74-87-3	L1,M0
2-Chlorotoluene	**<24.1**	ug/kg	74.2	24.1	1	03/30/21 08:45	03/30/21 17:34	95-49-8	
4-Chlorotoluene	**<28.2**	ug/kg	74.2	28.2	1	03/30/21 08:45	03/30/21 17:34	106-43-4	
1,2-Dibromo-3-chloropropane	**<57.6**	ug/kg	371	57.6	1	03/30/21 08:45	03/30/21 17:34	96-12-8	
Dibromochloromethane	**<254**	ug/kg	371	254	1	03/30/21 08:45	03/30/21 17:34	124-48-1	M1
1,2-Dibromoethane (EDB)	**<20.3**	ug/kg	74.2	20.3	1	03/30/21 08:45	03/30/21 17:34	106-93-4	M1
Dibromomethane	**<22.0**	ug/kg	74.2	22.0	1	03/30/21 08:45	03/30/21 17:34	74-95-3	
1,2-Dichlorobenzene	**<23.0**	ug/kg	74.2	23.0	1	03/30/21 08:45	03/30/21 17:34	95-50-1	
1,3-Dichlorobenzene	**<20.3**	ug/kg	74.2	20.3	1	03/30/21 08:45	03/30/21 17:34	541-73-1	M1
1,4-Dichlorobenzene	**<20.3**	ug/kg	74.2	20.3	1	03/30/21 08:45	03/30/21 17:34	106-46-7	
Dichlorodifluoromethane	**<31.9**	ug/kg	74.2	31.9	1	03/30/21 08:45	03/30/21 17:34	75-71-8	
1,1-Dichloroethane	**<19.0**	ug/kg	74.2	19.0	1	03/30/21 08:45	03/30/21 17:34	75-34-3	M1
1,2-Dichloroethane	**<17.1**	ug/kg	74.2	17.1	1	03/30/21 08:45	03/30/21 17:34	107-06-2	M1
1,1-Dichloroethene	**<24.6**	ug/kg	74.2	24.6	1	03/30/21 08:45	03/30/21 17:34	75-35-4	M1
cis-1,2-Dichloroethene	**<15.9**	ug/kg	74.2	15.9	1	03/30/21 08:45	03/30/21 17:34	156-59-2	M1
trans-1,2-Dichloroethene	**<16.0**	ug/kg	74.2	16.0	1	03/30/21 08:45	03/30/21 17:34	156-60-5	
1,2-Dichloropropane	**<17.7**	ug/kg	74.2	17.7	1	03/30/21 08:45	03/30/21 17:34	78-87-5	M1
1,3-Dichloropropane	**<16.2**	ug/kg	74.2	16.2	1	03/30/21 08:45	03/30/21 17:34	142-28-9	
2,2-Dichloropropane	**<20.0**	ug/kg	74.2	20.0	1	03/30/21 08:45	03/30/21 17:34	594-20-7	
1,1-Dichloropropene	**<24.1**	ug/kg	74.2	24.1	1	03/30/21 08:45	03/30/21 17:34	563-58-6	
cis-1,3-Dichloropropene	**<49.0**	ug/kg	371	49.0	1	03/30/21 08:45	03/30/21 17:34	10061-01-5	M1
trans-1,3-Dichloropropene	**<212**	ug/kg	371	212	1	03/30/21 08:45	03/30/21 17:34	10061-02-6	M1
Diisopropyl ether	**<18.4**	ug/kg	74.2	18.4	1	03/30/21 08:45	03/30/21 17:34	108-20-3	
Ethylbenzene	**<17.7**	ug/kg	74.2	17.7	1	03/30/21 08:45	03/30/21 17:34	100-41-4	M1
Hexachloro-1,3-butadiene	**<148**	ug/kg	371	148	1	03/30/21 08:45	03/30/21 17:34	87-68-3	
Isopropylbenzene (Cumene)	**<20.0**	ug/kg	74.2	20.0	1	03/30/21 08:45	03/30/21 17:34	98-82-8	M1
p-Isopropyltoluene	**<22.6**	ug/kg	74.2	22.6	1	03/30/21 08:45	03/30/21 17:34	99-87-6	
Methylene Chloride	**<20.6**	ug/kg	74.2	20.6	1	03/30/21 08:45	03/30/21 17:34	75-09-2	
Methyl-tert-butyl ether	**<21.8**	ug/kg	74.2	21.8	1	03/30/21 08:45	03/30/21 17:34	1634-04-4	M1
Naphthalene	**<23.2**	ug/kg	371	23.2	1	03/30/21 08:45	03/30/21 17:34	91-20-3	
n-Propylbenzene	**<17.8**	ug/kg	74.2	17.8	1	03/30/21 08:45	03/30/21 17:34	103-65-1	
Styrene	**<19.0**	ug/kg	74.2	19.0	1	03/30/21 08:45	03/30/21 17:34	100-42-5	M1
1,1,1,2-Tetrachloroethane	**<17.8**	ug/kg	74.2	17.8	1	03/30/21 08:45	03/30/21 17:34	630-20-6	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-3 (1-2') **Lab ID: 40224112005** Collected: 03/26/21 10:51 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
1,1,2,2-Tetrachloroethane	**<26.9**	ug/kg	74.2	26.9	1	03/30/21 08:45	03/30/21 17:34	79-34-5	
Tetrachloroethene	**<28.8**	ug/kg	74.2	28.8	1	03/30/21 08:45	03/30/21 17:34	127-18-4	
Toluene	**<18.7**	ug/kg	74.2	18.7	1	03/30/21 08:45	03/30/21 17:34	108-88-3	M1
1,2,3-Trichlorobenzene	**<82.7**	ug/kg	371	82.7	1	03/30/21 08:45	03/30/21 17:34	87-61-6	
1,2,4-Trichlorobenzene	**<61.2**	ug/kg	371	61.2	1	03/30/21 08:45	03/30/21 17:34	120-82-1	M1
1,1,1-Trichloroethane	**<19.0**	ug/kg	74.2	19.0	1	03/30/21 08:45	03/30/21 17:34	71-55-6	M1
1,1,2-Trichloroethane	**<27.0**	ug/kg	74.2	27.0	1	03/30/21 08:45	03/30/21 17:34	79-00-5	M1
Trichloroethene	**<27.8**	ug/kg	74.2	27.8	1	03/30/21 08:45	03/30/21 17:34	79-01-6	M1
Trichlorofluoromethane	**<21.5**	ug/kg	74.2	21.5	1	03/30/21 08:45	03/30/21 17:34	75-69-4	
1,2,3-Trichloropropane	**<36.1**	ug/kg	74.2	36.1	1	03/30/21 08:45	03/30/21 17:34	96-18-4	
1,2,4-Trimethylbenzene	**<22.1**	ug/kg	74.2	22.1	1	03/30/21 08:45	03/30/21 17:34	95-63-6	
1,3,5-Trimethylbenzene	**<23.9**	ug/kg	74.2	23.9	1	03/30/21 08:45	03/30/21 17:34	108-67-8	
Vinyl chloride	**<15.0**	ug/kg	74.2	15.0	1	03/30/21 08:45	03/30/21 17:34	75-01-4	M1
Xylene (Total)	**<53.6**	ug/kg	223	53.6	1	03/30/21 08:45	03/30/21 17:34	1330-20-7	MS
m&p-Xylene	**<31.3**	ug/kg	148	31.3	1	03/30/21 08:45	03/30/21 17:34	179601-23-1	M1
o-Xylene	**<22.3**	ug/kg	74.2	22.3	1	03/30/21 08:45	03/30/21 17:34	95-47-6	M1
Surrogates									
Toluene-d8 (S)	119	%	67-159		1	03/30/21 08:45	03/30/21 17:34	2037-26-5	
4-Bromofluorobenzene (S)	136	%	66-153		1	03/30/21 08:45	03/30/21 17:34	460-00-4	
1,2-Dichlorobenzene-d4 (S)	136	%	82-158		1	03/30/21 08:45	03/30/21 17:34	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
	Pace Analytical Services - Green Bay								
Percent Moisture	**19.5**	%	0.10	0.10	1		03/27/21 13:44		

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(920)469-2436

ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-3 (14-15') **Lab ID: 40224112006** Collected: 03/26/21 11:05 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
	Pace Analytical Services - Green Bay								
Lead	**1.1J**	mg/kg	2.0	0.59	1	03/30/21 06:40	03/30/21 14:57	7439-92-1	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546								
	Pace Analytical Services - Green Bay								
Acenaphthene	**<2.2**	ug/kg	17.3	2.2	1	04/01/21 08:19	04/02/21 12:41	83-32-9	
Acenaphthylene	**<2.2**	ug/kg	17.3	2.2	1	04/01/21 08:19	04/02/21 12:41	208-96-8	
Anthracene	**<2.1**	ug/kg	17.3	2.1	1	04/01/21 08:19	04/02/21 12:41	120-12-7	
Benzo(a)anthracene	**<2.2**	ug/kg	17.3	2.2	1	04/01/21 08:19	04/02/21 12:41	56-55-3	
Benzo(a)pyrene	**<2.0**	ug/kg	17.3	2.0	1	04/01/21 08:19	04/02/21 12:41	50-32-8	
Benzo(b)fluoranthene	**<2.4**	ug/kg	17.3	2.4	1	04/01/21 08:19	04/02/21 12:41	205-99-2	
Benzo(g,h,i)perylene	**<3.0**	ug/kg	17.3	3.0	1	04/01/21 08:19	04/02/21 12:41	191-24-2	
Benzo(k)fluoranthene	**<2.2**	ug/kg	17.3	2.2	1	04/01/21 08:19	04/02/21 12:41	207-08-9	
Chrysene	**<3.3**	ug/kg	17.3	3.3	1	04/01/21 08:19	04/02/21 12:41	218-01-9	
Dibenz(a,h)anthracene	**<2.4**	ug/kg	17.3	2.4	1	04/01/21 08:19	04/02/21 12:41	53-70-3	
Fluoranthene	**<2.0**	ug/kg	17.3	2.0	1	04/01/21 08:19	04/02/21 12:41	206-44-0	
Fluorene	**<2.1**	ug/kg	17.3	2.1	1	04/01/21 08:19	04/02/21 12:41	86-73-7	
Indeno(1,2,3-cd)pyrene	**<3.6**	ug/kg	17.3	3.6	1	04/01/21 08:19	04/02/21 12:41	193-39-5	
1-Methylnaphthalene	**<2.5**	ug/kg	17.3	2.5	1	04/01/21 08:19	04/02/21 12:41	90-12-0	
2-Methylnaphthalene	**<2.5**	ug/kg	17.3	2.5	1	04/01/21 08:19	04/02/21 12:41	91-57-6	
Naphthalene	**<1.7**	ug/kg	17.3	1.7	1	04/01/21 08:19	04/02/21 12:41	91-20-3	
Phenanthrene	**<2.0**	ug/kg	17.3	2.0	1	04/01/21 08:19	04/02/21 12:41	85-01-8	
Pyrene	**<2.5**	ug/kg	17.3	2.5	1	04/01/21 08:19	04/02/21 12:41	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	70	%	17-100		1	04/01/21 08:19	04/02/21 12:41	321-60-8	
Terphenyl-d14 (S)	81	%	17-98		1	04/01/21 08:19	04/02/21 12:41	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
Benzene	**<12.8**	ug/kg	21.4	12.8	1	03/30/21 08:45	03/30/21 20:56	71-43-2	
Bromobenzene	**<20.9**	ug/kg	53.6	20.9	1	03/30/21 08:45	03/30/21 20:56	108-86-1	
Bromochloromethane	**<14.7**	ug/kg	53.6	14.7	1	03/30/21 08:45	03/30/21 20:56	74-97-5	
Bromodichloromethane	**<12.8**	ug/kg	53.6	12.8	1	03/30/21 08:45	03/30/21 20:56	75-27-4	
Bromoform	**<236**	ug/kg	268	236	1	03/30/21 08:45	03/30/21 20:56	75-25-2	
Bromomethane	**<75.2**	ug/kg	268	75.2	1	03/30/21 08:45	03/30/21 20:56	74-83-9	
n-Butylbenzene	**<24.5**	ug/kg	53.6	24.5	1	03/30/21 08:45	03/30/21 20:56	104-51-8	
sec-Butylbenzene	**<13.1**	ug/kg	53.6	13.1	1	03/30/21 08:45	03/30/21 20:56	135-98-8	
tert-Butylbenzene	**<16.8**	ug/kg	53.6	16.8	1	03/30/21 08:45	03/30/21 20:56	98-06-6	
Carbon tetrachloride	**<11.8**	ug/kg	53.6	11.8	1	03/30/21 08:45	03/30/21 20:56	56-23-5	
Chlorobenzene	**<6.4**	ug/kg	53.6	6.4	1	03/30/21 08:45	03/30/21 20:56	108-90-7	
Chloroethane	**<22.6**	ug/kg	268	22.6	1	03/30/21 08:45	03/30/21 20:56	75-00-3	
Chloroform	**<38.4**	ug/kg	268	38.4	1	03/30/21 08:45	03/30/21 20:56	67-66-3	
Chloromethane	**<20.4**	ug/kg	53.6	20.4	1	03/30/21 08:45	03/30/21 20:56	74-87-3	L1
2-Chlorotoluene	**<17.4**	ug/kg	53.6	17.4	1	03/30/21 08:45	03/30/21 20:56	95-49-8	
4-Chlorotoluene	**<20.4**	ug/kg	53.6	20.4	1	03/30/21 08:45	03/30/21 20:56	106-43-4	

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

ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-3 (14-15') **Lab ID: 40224112006** Collected: 03/26/21 11:05 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
1,2-Dibromo-3-chloropropane	**<41.6**	ug/kg	268	41.6	1	03/30/21 08:45	03/30/21 20:56	96-12-8	
Dibromochloromethane	**<183**	ug/kg	268	183	1	03/30/21 08:45	03/30/21 20:56	124-48-1	
1,2-Dibromoethane (EDB)	**<14.7**	ug/kg	53.6	14.7	1	03/30/21 08:45	03/30/21 20:56	106-93-4	
Dibromomethane	**<15.9**	ug/kg	53.6	15.9	1	03/30/21 08:45	03/30/21 20:56	74-95-3	
1,2-Dichlorobenzene	**<16.6**	ug/kg	53.6	16.6	1	03/30/21 08:45	03/30/21 20:56	95-50-1	
1,3-Dichlorobenzene	**<14.7**	ug/kg	53.6	14.7	1	03/30/21 08:45	03/30/21 20:56	541-73-1	
1,4-Dichlorobenzene	**<14.7**	ug/kg	53.6	14.7	1	03/30/21 08:45	03/30/21 20:56	106-46-7	
Dichlorodifluoromethane	**<23.0**	ug/kg	53.6	23.0	1	03/30/21 08:45	03/30/21 20:56	75-71-8	
1,1-Dichloroethane	**<13.7**	ug/kg	53.6	13.7	1	03/30/21 08:45	03/30/21 20:56	75-34-3	
1,2-Dichloroethane	**<12.3**	ug/kg	53.6	12.3	1	03/30/21 08:45	03/30/21 20:56	107-06-2	
1,1-Dichloroethene	**<17.8**	ug/kg	53.6	17.8	1	03/30/21 08:45	03/30/21 20:56	75-35-4	
cis-1,2-Dichloroethene	**<11.5**	ug/kg	53.6	11.5	1	03/30/21 08:45	03/30/21 20:56	156-59-2	
trans-1,2-Dichloroethene	**<11.6**	ug/kg	53.6	11.6	1	03/30/21 08:45	03/30/21 20:56	156-60-5	
1,2-Dichloropropane	**<12.8**	ug/kg	53.6	12.8	1	03/30/21 08:45	03/30/21 20:56	78-87-5	
1,3-Dichloropropane	**<11.7**	ug/kg	53.6	11.7	1	03/30/21 08:45	03/30/21 20:56	142-28-9	
2,2-Dichloropropane	**<14.5**	ug/kg	53.6	14.5	1	03/30/21 08:45	03/30/21 20:56	594-20-7	
1,1-Dichloropropene	**<17.4**	ug/kg	53.6	17.4	1	03/30/21 08:45	03/30/21 20:56	563-58-6	
cis-1,3-Dichloropropene	**<35.4**	ug/kg	268	35.4	1	03/30/21 08:45	03/30/21 20:56	10061-01-5	
trans-1,3-Dichloropropene	**<153**	ug/kg	268	153	1	03/30/21 08:45	03/30/21 20:56	10061-02-6	
Diisopropyl ether	**<13.3**	ug/kg	53.6	13.3	1	03/30/21 08:45	03/30/21 20:56	108-20-3	
Ethylbenzene	**<12.8**	ug/kg	53.6	12.8	1	03/30/21 08:45	03/30/21 20:56	100-41-4	
Hexachloro-1,3-butadiene	**<107**	ug/kg	268	107	1	03/30/21 08:45	03/30/21 20:56	87-68-3	
Isopropylbenzene (Cumene)	**<14.5**	ug/kg	53.6	14.5	1	03/30/21 08:45	03/30/21 20:56	98-82-8	
p-Isopropyltoluene	**<16.3**	ug/kg	53.6	16.3	1	03/30/21 08:45	03/30/21 20:56	99-87-6	
Methylene Chloride	**<14.9**	ug/kg	53.6	14.9	1	03/30/21 08:45	03/30/21 20:56	75-09-2	
Methyl-tert-butyl ether	**<15.8**	ug/kg	53.6	15.8	1	03/30/21 08:45	03/30/21 20:56	1634-04-4	
Naphthalene	**<16.7**	ug/kg	268	16.7	1	03/30/21 08:45	03/30/21 20:56	91-20-3	
n-Propylbenzene	**<12.9**	ug/kg	53.6	12.9	1	03/30/21 08:45	03/30/21 20:56	103-65-1	
Styrene	**<13.7**	ug/kg	53.6	13.7	1	03/30/21 08:45	03/30/21 20:56	100-42-5	
1,1,1,2-Tetrachloroethane	**<12.9**	ug/kg	53.6	12.9	1	03/30/21 08:45	03/30/21 20:56	630-20-6	
1,1,2,2-Tetrachloroethane	**<19.4**	ug/kg	53.6	19.4	1	03/30/21 08:45	03/30/21 20:56	79-34-5	
Tetrachloroethene	**<20.8**	ug/kg	53.6	20.8	1	03/30/21 08:45	03/30/21 20:56	127-18-4	
Toluene	**<13.5**	ug/kg	53.6	13.5	1	03/30/21 08:45	03/30/21 20:56	108-88-3	
1,2,3-Trichlorobenzene	**<59.7**	ug/kg	268	59.7	1	03/30/21 08:45	03/30/21 20:56	87-61-6	
1,2,4-Trichlorobenzene	**<44.2**	ug/kg	268	44.2	1	03/30/21 08:45	03/30/21 20:56	120-82-1	
1,1,1-Trichloroethane	**<13.7**	ug/kg	53.6	13.7	1	03/30/21 08:45	03/30/21 20:56	71-55-6	
1,1,2-Trichloroethane	**<19.5**	ug/kg	53.6	19.5	1	03/30/21 08:45	03/30/21 20:56	79-00-5	
Trichloroethene	**<20.0**	ug/kg	53.6	20.0	1	03/30/21 08:45	03/30/21 20:56	79-01-6	
Trichlorofluoromethane	**<15.5**	ug/kg	53.6	15.5	1	03/30/21 08:45	03/30/21 20:56	75-69-4	
1,2,3-Trichloropropane	**<26.1**	ug/kg	53.6	26.1	1	03/30/21 08:45	03/30/21 20:56	96-18-4	
1,2,4-Trimethylbenzene	**<16.0**	ug/kg	53.6	16.0	1	03/30/21 08:45	03/30/21 20:56	95-63-6	
1,3,5-Trimethylbenzene	**<17.3**	ug/kg	53.6	17.3	1	03/30/21 08:45	03/30/21 20:56	108-67-8	
Vinyl chloride	**<10.8**	ug/kg	53.6	10.8	1	03/30/21 08:45	03/30/21 20:56	75-01-4	
Xylene (Total)	**<38.7**	ug/kg	161	38.7	1	03/30/21 08:45	03/30/21 20:56	1330-20-7	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-3 (14-15') **Lab ID: 40224112006** Collected: 03/26/21 11:05 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
m&p-Xylene	**<22.6**	ug/kg	107	22.6	1	03/30/21 08:45	03/30/21 20:56	179601-23-1	
o-Xylene	**<16.1**	ug/kg	53.6	16.1	1	03/30/21 08:45	03/30/21 20:56	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	67-159		1	03/30/21 08:45	03/30/21 20:56	2037-26-5	
4-Bromofluorobenzene (S)	112	%	66-153		1	03/30/21 08:45	03/30/21 20:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	114	%	82-158		1	03/30/21 08:45	03/30/21 20:56	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
	Pace Analytical Services - Green Bay								
Percent Moisture	**3.5**	%	0.10	0.10	1		03/27/21 13:44		

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-4 (1-2') **Lab ID: 40224112007** Collected: 03/26/21 11:45 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
	Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<18.9**	ug/kg	62.1	18.9	1	03/30/21 14:27	03/31/21 18:19	12674-11-2	
PCB-1221 (Aroclor 1221)	**<18.9**	ug/kg	62.1	18.9	1	03/30/21 14:27	03/31/21 18:19	11104-28-2	
PCB-1232 (Aroclor 1232)	**<18.9**	ug/kg	62.1	18.9	1	03/30/21 14:27	03/31/21 18:19	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.9**	ug/kg	62.1	18.9	1	03/30/21 14:27	03/31/21 18:19	53469-21-9	
PCB-1248 (Aroclor 1248)	**<18.9**	ug/kg	62.1	18.9	1	03/30/21 14:27	03/31/21 18:19	12672-29-6	
PCB-1254 (Aroclor 1254)	**<18.9**	ug/kg	62.1	18.9	1	03/30/21 14:27	03/31/21 18:19	11097-69-1	
PCB-1260 (Aroclor 1260)	**<18.9**	ug/kg	62.1	18.9	1	03/30/21 14:27	03/31/21 18:19	11096-82-5	
PCB, Total	**<18.9**	ug/kg	62.1	18.9	1	03/30/21 14:27	03/31/21 18:19	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	87	%	67-102		1	03/30/21 14:27	03/31/21 18:19	877-09-8	
Decachlorobiphenyl (S)	94	%	47-114		1	03/30/21 14:27	03/31/21 18:19	2051-24-3	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
	Pace Analytical Services - Green Bay								
Lead	**8.1**	mg/kg	2.4	0.73	1	03/30/21 06:40	03/30/21 15:00	7439-92-1	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546								
	Pace Analytical Services - Green Bay								
Acenaphthene	**<2.7**	ug/kg	20.7	2.7	1	04/01/21 08:19	04/02/21 12:59	83-32-9	
Acenaphthylene	**<2.6**	ug/kg	20.7	2.6	1	04/01/21 08:19	04/02/21 12:59	208-96-8	
Anthracene	**<2.6**	ug/kg	20.7	2.6	1	04/01/21 08:19	04/02/21 12:59	120-12-7	
Benzo(a)anthracene	**<2.7**	ug/kg	20.7	2.7	1	04/01/21 08:19	04/02/21 12:59	56-55-3	
Benzo(a)pyrene	**<2.3**	ug/kg	20.7	2.3	1	04/01/21 08:19	04/02/21 12:59	50-32-8	
Benzo(b)fluoranthene	**<2.9**	ug/kg	20.7	2.9	1	04/01/21 08:19	04/02/21 12:59	205-99-2	
Benzo(g,h,i)perylene	**<3.6**	ug/kg	20.7	3.6	1	04/01/21 08:19	04/02/21 12:59	191-24-2	
Benzo(k)fluoranthene	**<2.6**	ug/kg	20.7	2.6	1	04/01/21 08:19	04/02/21 12:59	207-08-9	
Chrysene	**<3.9**	ug/kg	20.7	3.9	1	04/01/21 08:19	04/02/21 12:59	218-01-9	
Dibenz(a,h)anthracene	**<2.9**	ug/kg	20.7	2.9	1	04/01/21 08:19	04/02/21 12:59	53-70-3	
Fluoranthene	**<2.4**	ug/kg	20.7	2.4	1	04/01/21 08:19	04/02/21 12:59	206-44-0	
Fluorene	**<2.5**	ug/kg	20.7	2.5	1	04/01/21 08:19	04/02/21 12:59	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.3**	ug/kg	20.7	4.3	1	04/01/21 08:19	04/02/21 12:59	193-39-5	
1-Methylnaphthalene	**<3.0**	ug/kg	20.7	3.0	1	04/01/21 08:19	04/02/21 12:59	90-12-0	
2-Methylnaphthalene	**<3.0**	ug/kg	20.7	3.0	1	04/01/21 08:19	04/02/21 12:59	91-57-6	
Naphthalene	**<2.0**	ug/kg	20.7	2.0	1	04/01/21 08:19	04/02/21 12:59	91-20-3	
Phenanthrene	**<2.4**	ug/kg	20.7	2.4	1	04/01/21 08:19	04/02/21 12:59	85-01-8	
Pyrene	**<3.0**	ug/kg	20.7	3.0	1	04/01/21 08:19	04/02/21 12:59	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	52	%	17-100		1	04/01/21 08:19	04/02/21 12:59	321-60-8	
Terphenyl-d14 (S)	54	%	17-98		1	04/01/21 08:19	04/02/21 12:59	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
Benzene	**<17.6**	ug/kg	29.6	17.6	1	03/30/21 08:45	03/30/21 21:16	71-43-2	
Bromobenzene	**<28.8**	ug/kg	74.0	28.8	1	03/30/21 08:45	03/30/21 21:16	108-86-1	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-4 (1-2') **Lab ID: 40224112007** Collected: 03/26/21 11:45 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Bromochloromethane	**<20.3**	ug/kg	74.0	20.3	1	03/30/21 08:45	03/30/21 21:16	74-97-5	
Bromodichloromethane	**<17.6**	ug/kg	74.0	17.6	1	03/30/21 08:45	03/30/21 21:16	75-27-4	
Bromoform	**<325**	ug/kg	370	325	1	03/30/21 08:45	03/30/21 21:16	75-25-2	
Bromomethane	**<104**	ug/kg	370	104	1	03/30/21 08:45	03/30/21 21:16	74-83-9	
n-Butylbenzene	**<33.9**	ug/kg	74.0	33.9	1	03/30/21 08:45	03/30/21 21:16	104-51-8	
sec-Butylbenzene	**<18.0**	ug/kg	74.0	18.0	1	03/30/21 08:45	03/30/21 21:16	135-98-8	
tert-Butylbenzene	**<23.2**	ug/kg	74.0	23.2	1	03/30/21 08:45	03/30/21 21:16	98-06-6	
Carbon tetrachloride	**<16.3**	ug/kg	74.0	16.3	1	03/30/21 08:45	03/30/21 21:16	56-23-5	
Chlorobenzene	**<8.9**	ug/kg	74.0	8.9	1	03/30/21 08:45	03/30/21 21:16	108-90-7	
Chloroethane	**<31.2**	ug/kg	370	31.2	1	03/30/21 08:45	03/30/21 21:16	75-00-3	
Chloroform	**<53.0**	ug/kg	370	53.0	1	03/30/21 08:45	03/30/21 21:16	67-66-3	
Chloromethane	**<28.1**	ug/kg	74.0	28.1	1	03/30/21 08:45	03/30/21 21:16	74-87-3	L1
2-Chlorotoluene	**<24.0**	ug/kg	74.0	24.0	1	03/30/21 08:45	03/30/21 21:16	95-49-8	
4-Chlorotoluene	**<28.1**	ug/kg	74.0	28.1	1	03/30/21 08:45	03/30/21 21:16	106-43-4	
1,2-Dibromo-3-chloropropane	**<57.4**	ug/kg	370	57.4	1	03/30/21 08:45	03/30/21 21:16	96-12-8	
Dibromochloromethane	**<253**	ug/kg	370	253	1	03/30/21 08:45	03/30/21 21:16	124-48-1	
1,2-Dibromoethane (EDB)	**<20.3**	ug/kg	74.0	20.3	1	03/30/21 08:45	03/30/21 21:16	106-93-4	
Dibromomethane	**<21.9**	ug/kg	74.0	21.9	1	03/30/21 08:45	03/30/21 21:16	74-95-3	
1,2-Dichlorobenzene	**<22.9**	ug/kg	74.0	22.9	1	03/30/21 08:45	03/30/21 21:16	95-50-1	
1,3-Dichlorobenzene	**<20.3**	ug/kg	74.0	20.3	1	03/30/21 08:45	03/30/21 21:16	541-73-1	
1,4-Dichlorobenzene	**<20.3**	ug/kg	74.0	20.3	1	03/30/21 08:45	03/30/21 21:16	106-46-7	
Dichlorodifluoromethane	**<31.8**	ug/kg	74.0	31.8	1	03/30/21 08:45	03/30/21 21:16	75-71-8	
1,1-Dichloroethane	**<18.9**	ug/kg	74.0	18.9	1	03/30/21 08:45	03/30/21 21:16	75-34-3	
1,2-Dichloroethane	**<17.0**	ug/kg	74.0	17.0	1	03/30/21 08:45	03/30/21 21:16	107-06-2	
1,1-Dichloroethene	**<24.6**	ug/kg	74.0	24.6	1	03/30/21 08:45	03/30/21 21:16	75-35-4	
cis-1,2-Dichloroethene	**<15.8**	ug/kg	74.0	15.8	1	03/30/21 08:45	03/30/21 21:16	156-59-2	
trans-1,2-Dichloroethene	**<16.0**	ug/kg	74.0	16.0	1	03/30/21 08:45	03/30/21 21:16	156-60-5	
1,2-Dichloropropane	**<17.6**	ug/kg	74.0	17.6	1	03/30/21 08:45	03/30/21 21:16	78-87-5	
1,3-Dichloropropane	**<16.1**	ug/kg	74.0	16.1	1	03/30/21 08:45	03/30/21 21:16	142-28-9	
2,2-Dichloropropane	**<20.0**	ug/kg	74.0	20.0	1	03/30/21 08:45	03/30/21 21:16	594-20-7	
1,1-Dichloropropene	**<24.0**	ug/kg	74.0	24.0	1	03/30/21 08:45	03/30/21 21:16	563-58-6	
cis-1,3-Dichloropropene	**<48.8**	ug/kg	370	48.8	1	03/30/21 08:45	03/30/21 21:16	10061-01-5	
trans-1,3-Dichloropropene	**<212**	ug/kg	370	212	1	03/30/21 08:45	03/30/21 21:16	10061-02-6	
Diisopropyl ether	**<18.3**	ug/kg	74.0	18.3	1	03/30/21 08:45	03/30/21 21:16	108-20-3	
Ethylbenzene	**<17.6**	ug/kg	74.0	17.6	1	03/30/21 08:45	03/30/21 21:16	100-41-4	
Hexachloro-1,3-butadiene	**<147**	ug/kg	370	147	1	03/30/21 08:45	03/30/21 21:16	87-68-3	
Isopropylbenzene (Cumene)	**<20.0**	ug/kg	74.0	20.0	1	03/30/21 08:45	03/30/21 21:16	98-82-8	
p-Isopropyltoluene	**<22.5**	ug/kg	74.0	22.5	1	03/30/21 08:45	03/30/21 21:16	99-87-6	
Methylene Chloride	**<20.6**	ug/kg	74.0	20.6	1	03/30/21 08:45	03/30/21 21:16	75-09-2	
Methyl-tert-butyl ether	**<21.7**	ug/kg	74.0	21.7	1	03/30/21 08:45	03/30/21 21:16	1634-04-4	
Naphthalene	**<23.1**	ug/kg	370	23.1	1	03/30/21 08:45	03/30/21 21:16	91-20-3	
n-Propylbenzene	**<17.8**	ug/kg	74.0	17.8	1	03/30/21 08:45	03/30/21 21:16	103-65-1	
Styrene	**<18.9**	ug/kg	74.0	18.9	1	03/30/21 08:45	03/30/21 21:16	100-42-5	
1,1,1,2-Tetrachloroethane	**<17.8**	ug/kg	74.0	17.8	1	03/30/21 08:45	03/30/21 21:16	630-20-6	

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-4 (1-2') **Lab ID: 40224112007** Collected: 03/26/21 11:45 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
1,1,2,2-Tetrachloroethane	**<26.8**	ug/kg	74.0	26.8	1	03/30/21 08:45	03/30/21 21:16	79-34-5	
Tetrachloroethene	**<28.7**	ug/kg	74.0	28.7	1	03/30/21 08:45	03/30/21 21:16	127-18-4	
Toluene	**<18.6**	ug/kg	74.0	18.6	1	03/30/21 08:45	03/30/21 21:16	108-88-3	
1,2,3-Trichlorobenzene	**<82.4**	ug/kg	370	82.4	1	03/30/21 08:45	03/30/21 21:16	87-61-6	
1,2,4-Trichlorobenzene	**<60.9**	ug/kg	370	60.9	1	03/30/21 08:45	03/30/21 21:16	120-82-1	
1,1,1-Trichloroethane	**<18.9**	ug/kg	74.0	18.9	1	03/30/21 08:45	03/30/21 21:16	71-55-6	
1,1,2-Trichloroethane	**<26.9**	ug/kg	74.0	26.9	1	03/30/21 08:45	03/30/21 21:16	79-00-5	
Trichloroethene	**<27.7**	ug/kg	74.0	27.7	1	03/30/21 08:45	03/30/21 21:16	79-01-6	
Trichlorofluoromethane	**<21.4**	ug/kg	74.0	21.4	1	03/30/21 08:45	03/30/21 21:16	75-69-4	
1,2,3-Trichloropropane	**<35.9**	ug/kg	74.0	35.9	1	03/30/21 08:45	03/30/21 21:16	96-18-4	
1,2,4-Trimethylbenzene	**<22.0**	ug/kg	74.0	22.0	1	03/30/21 08:45	03/30/21 21:16	95-63-6	
1,3,5-Trimethylbenzene	**<23.8**	ug/kg	74.0	23.8	1	03/30/21 08:45	03/30/21 21:16	108-67-8	
Vinyl chloride	**<14.9**	ug/kg	74.0	14.9	1	03/30/21 08:45	03/30/21 21:16	75-01-4	
Xylene (Total)	**<53.4**	ug/kg	222	53.4	1	03/30/21 08:45	03/30/21 21:16	1330-20-7	
m&p-Xylene	**<31.2**	ug/kg	148	31.2	1	03/30/21 08:45	03/30/21 21:16	179601-23-1	
o-Xylene	**<22.2**	ug/kg	74.0	22.2	1	03/30/21 08:45	03/30/21 21:16	95-47-6	
Surrogates									
Toluene-d8 (S)	117	%	67-159		1	03/30/21 08:45	03/30/21 21:16	2037-26-5	
4-Bromofluorobenzene (S)	127	%	66-153		1	03/30/21 08:45	03/30/21 21:16	460-00-4	
1,2-Dichlorobenzene-d4 (S)	128	%	82-158		1	03/30/21 08:45	03/30/21 21:16	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
	Pace Analytical Services - Green Bay								
Percent Moisture	**19.3**	%	0.10	0.10	1		03/27/21 13:44		

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-4 (13-14') **Lab ID: 40224112008** Collected: 03/26/21 11:50 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
	Pace Analytical Services - Green Bay								
Lead	**2.8**	mg/kg	1.9	0.57	1	03/30/21 06:40	03/30/21 15:02	7439-92-1	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546								
	Pace Analytical Services - Green Bay								
Acenaphthene	**<2.2**	ug/kg	17.3	2.2	1	04/01/21 08:19	04/02/21 13:17	83-32-9	
Acenaphthylene	**<2.2**	ug/kg	17.3	2.2	1	04/01/21 08:19	04/02/21 13:17	208-96-8	
Anthracene	**<2.1**	ug/kg	17.3	2.1	1	04/01/21 08:19	04/02/21 13:17	120-12-7	
Benzo(a)anthracene	**<2.2**	ug/kg	17.3	2.2	1	04/01/21 08:19	04/02/21 13:17	56-55-3	
Benzo(a)pyrene	**<2.0**	ug/kg	17.3	2.0	1	04/01/21 08:19	04/02/21 13:17	50-32-8	
Benzo(b)fluoranthene	**<2.4**	ug/kg	17.3	2.4	1	04/01/21 08:19	04/02/21 13:17	205-99-2	
Benzo(g,h,i)perylene	**<3.0**	ug/kg	17.3	3.0	1	04/01/21 08:19	04/02/21 13:17	191-24-2	
Benzo(k)fluoranthene	**<2.2**	ug/kg	17.3	2.2	1	04/01/21 08:19	04/02/21 13:17	207-08-9	
Chrysene	**<3.3**	ug/kg	17.3	3.3	1	04/01/21 08:19	04/02/21 13:17	218-01-9	
Dibenz(a,h)anthracene	**<2.4**	ug/kg	17.3	2.4	1	04/01/21 08:19	04/02/21 13:17	53-70-3	
Fluoranthene	**<2.0**	ug/kg	17.3	2.0	1	04/01/21 08:19	04/02/21 13:17	206-44-0	
Fluorene	**<2.1**	ug/kg	17.3	2.1	1	04/01/21 08:19	04/02/21 13:17	86-73-7	
Indeno(1,2,3-cd)pyrene	**<3.6**	ug/kg	17.3	3.6	1	04/01/21 08:19	04/02/21 13:17	193-39-5	
1-Methylnaphthalene	**<2.5**	ug/kg	17.3	2.5	1	04/01/21 08:19	04/02/21 13:17	90-12-0	
2-Methylnaphthalene	**<2.5**	ug/kg	17.3	2.5	1	04/01/21 08:19	04/02/21 13:17	91-57-6	
Naphthalene	**<1.7**	ug/kg	17.3	1.7	1	04/01/21 08:19	04/02/21 13:17	91-20-3	
Phenanthrene	**<2.0**	ug/kg	17.3	2.0	1	04/01/21 08:19	04/02/21 13:17	85-01-8	
Pyrene	**<2.5**	ug/kg	17.3	2.5	1	04/01/21 08:19	04/02/21 13:17	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	80	%	17-100		1	04/01/21 08:19	04/02/21 13:17	321-60-8	
Terphenyl-d14 (S)	95	%	17-98		1	04/01/21 08:19	04/02/21 13:17	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
Benzene	**<12.7**	ug/kg	21.4	12.7	1	03/30/21 08:45	03/30/21 21:36	71-43-2	
Bromobenzene	**<20.8**	ug/kg	53.4	20.8	1	03/30/21 08:45	03/30/21 21:36	108-86-1	
Bromochloromethane	**<14.6**	ug/kg	53.4	14.6	1	03/30/21 08:45	03/30/21 21:36	74-97-5	
Bromodichloromethane	**<12.7**	ug/kg	53.4	12.7	1	03/30/21 08:45	03/30/21 21:36	75-27-4	
Bromoform	**<235**	ug/kg	267	235	1	03/30/21 08:45	03/30/21 21:36	75-25-2	
Bromomethane	**<74.9**	ug/kg	267	74.9	1	03/30/21 08:45	03/30/21 21:36	74-83-9	
n-Butylbenzene	**<24.5**	ug/kg	53.4	24.5	1	03/30/21 08:45	03/30/21 21:36	104-51-8	
sec-Butylbenzene	**<13.0**	ug/kg	53.4	13.0	1	03/30/21 08:45	03/30/21 21:36	135-98-8	
tert-Butylbenzene	**<16.8**	ug/kg	53.4	16.8	1	03/30/21 08:45	03/30/21 21:36	98-06-6	
Carbon tetrachloride	**<11.8**	ug/kg	53.4	11.8	1	03/30/21 08:45	03/30/21 21:36	56-23-5	
Chlorobenzene	**<6.4**	ug/kg	53.4	6.4	1	03/30/21 08:45	03/30/21 21:36	108-90-7	
Chloroethane	**<22.5**	ug/kg	267	22.5	1	03/30/21 08:45	03/30/21 21:36	75-00-3	
Chloroform	**<38.3**	ug/kg	267	38.3	1	03/30/21 08:45	03/30/21 21:36	67-66-3	
Chloromethane	**<20.3**	ug/kg	53.4	20.3	1	03/30/21 08:45	03/30/21 21:36	74-87-3	L1
2-Chlorotoluene	**<17.3**	ug/kg	53.4	17.3	1	03/30/21 08:45	03/30/21 21:36	95-49-8	
4-Chlorotoluene	**<20.3**	ug/kg	53.4	20.3	1	03/30/21 08:45	03/30/21 21:36	106-43-4	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-4 (13-14') **Lab ID: 40224112008** Collected: 03/26/21 11:50 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
1,2-Dibromo-3-chloropropane	**<41.5**	ug/kg	267	41.5	1	03/30/21 08:45	03/30/21 21:36	96-12-8	
Dibromochloromethane	**<183**	ug/kg	267	183	1	03/30/21 08:45	03/30/21 21:36	124-48-1	
1,2-Dibromoethane (EDB)	**<14.6**	ug/kg	53.4	14.6	1	03/30/21 08:45	03/30/21 21:36	106-93-4	
Dibromomethane	**<15.8**	ug/kg	53.4	15.8	1	03/30/21 08:45	03/30/21 21:36	74-95-3	
1,2-Dichlorobenzene	**<16.6**	ug/kg	53.4	16.6	1	03/30/21 08:45	03/30/21 21:36	95-50-1	
1,3-Dichlorobenzene	**<14.6**	ug/kg	53.4	14.6	1	03/30/21 08:45	03/30/21 21:36	541-73-1	
1,4-Dichlorobenzene	**<14.6**	ug/kg	53.4	14.6	1	03/30/21 08:45	03/30/21 21:36	106-46-7	
Dichlorodifluoromethane	**<23.0**	ug/kg	53.4	23.0	1	03/30/21 08:45	03/30/21 21:36	75-71-8	
1,1-Dichloroethane	**<13.7**	ug/kg	53.4	13.7	1	03/30/21 08:45	03/30/21 21:36	75-34-3	
1,2-Dichloroethane	**<12.3**	ug/kg	53.4	12.3	1	03/30/21 08:45	03/30/21 21:36	107-06-2	
1,1-Dichloroethene	**<17.7**	ug/kg	53.4	17.7	1	03/30/21 08:45	03/30/21 21:36	75-35-4	
cis-1,2-Dichloroethene	**<11.4**	ug/kg	53.4	11.4	1	03/30/21 08:45	03/30/21 21:36	156-59-2	
trans-1,2-Dichloroethene	**<11.5**	ug/kg	53.4	11.5	1	03/30/21 08:45	03/30/21 21:36	156-60-5	
1,2-Dichloropropane	**<12.7**	ug/kg	53.4	12.7	1	03/30/21 08:45	03/30/21 21:36	78-87-5	
1,3-Dichloropropane	**<11.6**	ug/kg	53.4	11.6	1	03/30/21 08:45	03/30/21 21:36	142-28-9	
2,2-Dichloropropane	**<14.4**	ug/kg	53.4	14.4	1	03/30/21 08:45	03/30/21 21:36	594-20-7	
1,1-Dichloropropene	**<17.3**	ug/kg	53.4	17.3	1	03/30/21 08:45	03/30/21 21:36	563-58-6	
cis-1,3-Dichloropropene	**<35.3**	ug/kg	267	35.3	1	03/30/21 08:45	03/30/21 21:36	10061-01-5	
trans-1,3-Dichloropropene	**<153**	ug/kg	267	153	1	03/30/21 08:45	03/30/21 21:36	10061-02-6	
Diisopropyl ether	**<13.3**	ug/kg	53.4	13.3	1	03/30/21 08:45	03/30/21 21:36	108-20-3	
Ethylbenzene	**<12.7**	ug/kg	53.4	12.7	1	03/30/21 08:45	03/30/21 21:36	100-41-4	
Hexachloro-1,3-butadiene	**<106**	ug/kg	267	106	1	03/30/21 08:45	03/30/21 21:36	87-68-3	
Isopropylbenzene (Cumene)	**<14.4**	ug/kg	53.4	14.4	1	03/30/21 08:45	03/30/21 21:36	98-82-8	
p-Isopropyltoluene	**<16.2**	ug/kg	53.4	16.2	1	03/30/21 08:45	03/30/21 21:36	99-87-6	
Methylene Chloride	**<14.9**	ug/kg	53.4	14.9	1	03/30/21 08:45	03/30/21 21:36	75-09-2	
Methyl-tert-butyl ether	**<15.7**	ug/kg	53.4	15.7	1	03/30/21 08:45	03/30/21 21:36	1634-04-4	
Naphthalene	**<16.7**	ug/kg	267	16.7	1	03/30/21 08:45	03/30/21 21:36	91-20-3	
n-Propylbenzene	**<12.8**	ug/kg	53.4	12.8	1	03/30/21 08:45	03/30/21 21:36	103-65-1	
Styrene	**<13.7**	ug/kg	53.4	13.7	1	03/30/21 08:45	03/30/21 21:36	100-42-5	
1,1,1,2-Tetrachloroethane	**<12.8**	ug/kg	53.4	12.8	1	03/30/21 08:45	03/30/21 21:36	630-20-6	
1,1,2,2-Tetrachloroethane	**<19.3**	ug/kg	53.4	19.3	1	03/30/21 08:45	03/30/21 21:36	79-34-5	
Tetrachloroethene	**<20.7**	ug/kg	53.4	20.7	1	03/30/21 08:45	03/30/21 21:36	127-18-4	
Toluene	**<13.5**	ug/kg	53.4	13.5	1	03/30/21 08:45	03/30/21 21:36	108-88-3	
1,2,3-Trichlorobenzene	**<59.5**	ug/kg	267	59.5	1	03/30/21 08:45	03/30/21 21:36	87-61-6	
1,2,4-Trichlorobenzene	**<44.0**	ug/kg	267	44.0	1	03/30/21 08:45	03/30/21 21:36	120-82-1	
1,1,1-Trichloroethane	**<13.7**	ug/kg	53.4	13.7	1	03/30/21 08:45	03/30/21 21:36	71-55-6	
1,1,2-Trichloroethane	**<19.5**	ug/kg	53.4	19.5	1	03/30/21 08:45	03/30/21 21:36	79-00-5	
Trichloroethene	**<20.0**	ug/kg	53.4	20.0	1	03/30/21 08:45	03/30/21 21:36	79-01-6	
Trichlorofluoromethane	**<15.5**	ug/kg	53.4	15.5	1	03/30/21 08:45	03/30/21 21:36	75-69-4	
1,2,3-Trichloropropane	**<26.0**	ug/kg	53.4	26.0	1	03/30/21 08:45	03/30/21 21:36	96-18-4	
1,2,4-Trimethylbenzene	**<15.9**	ug/kg	53.4	15.9	1	03/30/21 08:45	03/30/21 21:36	95-63-6	
1,3,5-Trimethylbenzene	**<17.2**	ug/kg	53.4	17.2	1	03/30/21 08:45	03/30/21 21:36	108-67-8	
Vinyl chloride	**<10.8**	ug/kg	53.4	10.8	1	03/30/21 08:45	03/30/21 21:36	75-01-4	
Xylene (Total)	**<38.6**	ug/kg	160	38.6	1	03/30/21 08:45	03/30/21 21:36	1330-20-7	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-4 (13-14') **Lab ID: 40224112008** Collected: 03/26/21 11:50 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
m&p-Xylene	**<22.5**	ug/kg	107	22.5	1	03/30/21 08:45	03/30/21 21:36	179601-23-1	
o-Xylene	**<16.0**	ug/kg	53.4	16.0	1	03/30/21 08:45	03/30/21 21:36	95-47-6	
Surrogates									
Toluene-d8 (S)	104	%	67-159		1	03/30/21 08:45	03/30/21 21:36	2037-26-5	
4-Bromofluorobenzene (S)	113	%	66-153		1	03/30/21 08:45	03/30/21 21:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	114	%	82-158		1	03/30/21 08:45	03/30/21 21:36	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
	Pace Analytical Services - Green Bay								
Percent Moisture	**3.3**	%	0.10	0.10	1		03/27/21 13:46		

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-5 (1-2') **Lab ID: 40224112009** Collected: 03/26/21 12:08 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
	Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<19.1**	ug/kg	62.9	19.1	1	03/30/21 14:27	03/31/21 18:41	12674-11-2	
PCB-1221 (Aroclor 1221)	**<19.1**	ug/kg	62.9	19.1	1	03/30/21 14:27	03/31/21 18:41	11104-28-2	
PCB-1232 (Aroclor 1232)	**<19.1**	ug/kg	62.9	19.1	1	03/30/21 14:27	03/31/21 18:41	11141-16-5	
PCB-1242 (Aroclor 1242)	**<19.1**	ug/kg	62.9	19.1	1	03/30/21 14:27	03/31/21 18:41	53469-21-9	
PCB-1248 (Aroclor 1248)	**<19.1**	ug/kg	62.9	19.1	1	03/30/21 14:27	03/31/21 18:41	12672-29-6	
PCB-1254 (Aroclor 1254)	**<19.1**	ug/kg	62.9	19.1	1	03/30/21 14:27	03/31/21 18:41	11097-69-1	
PCB-1260 (Aroclor 1260)	**<19.1**	ug/kg	62.9	19.1	1	03/30/21 14:27	03/31/21 18:41	11096-82-5	
PCB, Total	**<19.1**	ug/kg	62.9	19.1	1	03/30/21 14:27	03/31/21 18:41	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	87	%	67-102		1	03/30/21 14:27	03/31/21 18:41	877-09-8	
Decachlorobiphenyl (S)	93	%	47-114		1	03/30/21 14:27	03/31/21 18:41	2051-24-3	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
	Pace Analytical Services - Green Bay								
Lead	**14.5**	mg/kg	2.5	0.74	1	03/30/21 06:40	03/30/21 15:04	7439-92-1	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546								
	Pace Analytical Services - Green Bay								
Acenaphthene	**<2.7**	ug/kg	21.0	2.7	1	04/01/21 08:19	04/02/21 13:35	83-32-9	
Acenaphthylene	**<2.7**	ug/kg	21.0	2.7	1	04/01/21 08:19	04/02/21 13:35	208-96-8	
Anthracene	**<2.6**	ug/kg	21.0	2.6	1	04/01/21 08:19	04/02/21 13:35	120-12-7	
Benzo(a)anthracene	**<2.7**	ug/kg	21.0	2.7	1	04/01/21 08:19	04/02/21 13:35	56-55-3	
Benzo(a)pyrene	**<2.4**	ug/kg	21.0	2.4	1	04/01/21 08:19	04/02/21 13:35	50-32-8	
Benzo(b)fluoranthene	**<2.9**	ug/kg	21.0	2.9	1	04/01/21 08:19	04/02/21 13:35	205-99-2	
Benzo(g,h,i)perylene	**<3.7**	ug/kg	21.0	3.7	1	04/01/21 08:19	04/02/21 13:35	191-24-2	
Benzo(k)fluoranthene	**<2.7**	ug/kg	21.0	2.7	1	04/01/21 08:19	04/02/21 13:35	207-08-9	
Chrysene	**<4.0**	ug/kg	21.0	4.0	1	04/01/21 08:19	04/02/21 13:35	218-01-9	
Dibenz(a,h)anthracene	**<2.9**	ug/kg	21.0	2.9	1	04/01/21 08:19	04/02/21 13:35	53-70-3	
Fluoranthene	**<2.5**	ug/kg	21.0	2.5	1	04/01/21 08:19	04/02/21 13:35	206-44-0	
Fluorene	**<2.5**	ug/kg	21.0	2.5	1	04/01/21 08:19	04/02/21 13:35	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.4**	ug/kg	21.0	4.4	1	04/01/21 08:19	04/02/21 13:35	193-39-5	
1-Methylnaphthalene	**<3.1**	ug/kg	21.0	3.1	1	04/01/21 08:19	04/02/21 13:35	90-12-0	
2-Methylnaphthalene	**<3.1**	ug/kg	21.0	3.1	1	04/01/21 08:19	04/02/21 13:35	91-57-6	
Naphthalene	**<2.0**	ug/kg	21.0	2.0	1	04/01/21 08:19	04/02/21 13:35	91-20-3	
Phenanthrene	**<2.4**	ug/kg	21.0	2.4	1	04/01/21 08:19	04/02/21 13:35	85-01-8	
Pyrene	**<3.1**	ug/kg	21.0	3.1	1	04/01/21 08:19	04/02/21 13:35	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	67	%	17-100		1	04/01/21 08:19	04/02/21 13:35	321-60-8	
Terphenyl-d14 (S)	82	%	17-98		1	04/01/21 08:19	04/02/21 13:35	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
Benzene	**<18.1**	ug/kg	30.4	18.1	1	03/30/21 08:45	03/30/21 21:56	71-43-2	
Bromobenzene	**<29.7**	ug/kg	76.1	29.7	1	03/30/21 08:45	03/30/21 21:56	108-86-1	

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

ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-5 (1-2') **Lab ID: 40224112009** Collected: 03/26/21 12:08 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Bromochloromethane	**<20.8**	ug/kg	76.1	20.8	1	03/30/21 08:45	03/30/21 21:56	74-97-5	
Bromodichloromethane	**<18.1**	ug/kg	76.1	18.1	1	03/30/21 08:45	03/30/21 21:56	75-27-4	
Bromoform	**<335**	ug/kg	380	335	1	03/30/21 08:45	03/30/21 21:56	75-25-2	
Bromomethane	**<107**	ug/kg	380	107	1	03/30/21 08:45	03/30/21 21:56	74-83-9	
n-Butylbenzene	**<34.8**	ug/kg	76.1	34.8	1	03/30/21 08:45	03/30/21 21:56	104-51-8	
sec-Butylbenzene	**<18.6**	ug/kg	76.1	18.6	1	03/30/21 08:45	03/30/21 21:56	135-98-8	
tert-Butylbenzene	**<23.9**	ug/kg	76.1	23.9	1	03/30/21 08:45	03/30/21 21:56	98-06-6	
Carbon tetrachloride	**<16.7**	ug/kg	76.1	16.7	1	03/30/21 08:45	03/30/21 21:56	56-23-5	
Chlorobenzene	**<9.1**	ug/kg	76.1	9.1	1	03/30/21 08:45	03/30/21 21:56	108-90-7	
Chloroethane	**<32.1**	ug/kg	380	32.1	1	03/30/21 08:45	03/30/21 21:56	75-00-3	
Chloroform	**<54.5**	ug/kg	380	54.5	1	03/30/21 08:45	03/30/21 21:56	67-66-3	
Chloromethane	**<28.9**	ug/kg	76.1	28.9	1	03/30/21 08:45	03/30/21 21:56	74-87-3	L1
2-Chlorotoluene	**<24.7**	ug/kg	76.1	24.7	1	03/30/21 08:45	03/30/21 21:56	95-49-8	
4-Chlorotoluene	**<28.9**	ug/kg	76.1	28.9	1	03/30/21 08:45	03/30/21 21:56	106-43-4	
1,2-Dibromo-3-chloropropane	**<59.0**	ug/kg	380	59.0	1	03/30/21 08:45	03/30/21 21:56	96-12-8	
Dibromochloromethane	**<260**	ug/kg	380	260	1	03/30/21 08:45	03/30/21 21:56	124-48-1	
1,2-Dibromoethane (EDB)	**<20.8**	ug/kg	76.1	20.8	1	03/30/21 08:45	03/30/21 21:56	106-93-4	
Dibromomethane	**<22.5**	ug/kg	76.1	22.5	1	03/30/21 08:45	03/30/21 21:56	74-95-3	
1,2-Dichlorobenzene	**<23.6**	ug/kg	76.1	23.6	1	03/30/21 08:45	03/30/21 21:56	95-50-1	
1,3-Dichlorobenzene	**<20.8**	ug/kg	76.1	20.8	1	03/30/21 08:45	03/30/21 21:56	541-73-1	
1,4-Dichlorobenzene	**<20.8**	ug/kg	76.1	20.8	1	03/30/21 08:45	03/30/21 21:56	106-46-7	
Dichlorodifluoromethane	**<32.7**	ug/kg	76.1	32.7	1	03/30/21 08:45	03/30/21 21:56	75-71-8	
1,1-Dichloroethane	**<19.5**	ug/kg	76.1	19.5	1	03/30/21 08:45	03/30/21 21:56	75-34-3	
1,2-Dichloroethane	**<17.5**	ug/kg	76.1	17.5	1	03/30/21 08:45	03/30/21 21:56	107-06-2	
1,1-Dichloroethene	**<25.3**	ug/kg	76.1	25.3	1	03/30/21 08:45	03/30/21 21:56	75-35-4	
cis-1,2-Dichloroethene	**<16.3**	ug/kg	76.1	16.3	1	03/30/21 08:45	03/30/21 21:56	156-59-2	
trans-1,2-Dichloroethene	**<16.4**	ug/kg	76.1	16.4	1	03/30/21 08:45	03/30/21 21:56	156-60-5	
1,2-Dichloropropane	**<18.1**	ug/kg	76.1	18.1	1	03/30/21 08:45	03/30/21 21:56	78-87-5	
1,3-Dichloropropane	**<16.6**	ug/kg	76.1	16.6	1	03/30/21 08:45	03/30/21 21:56	142-28-9	
2,2-Dichloropropane	**<20.5**	ug/kg	76.1	20.5	1	03/30/21 08:45	03/30/21 21:56	594-20-7	
1,1-Dichloropropene	**<24.7**	ug/kg	76.1	24.7	1	03/30/21 08:45	03/30/21 21:56	563-58-6	
cis-1,3-Dichloropropene	**<50.2**	ug/kg	380	50.2	1	03/30/21 08:45	03/30/21 21:56	10061-01-5	
trans-1,3-Dichloropropene	**<218**	ug/kg	380	218	1	03/30/21 08:45	03/30/21 21:56	10061-02-6	
Diisopropyl ether	**<18.9**	ug/kg	76.1	18.9	1	03/30/21 08:45	03/30/21 21:56	108-20-3	
Ethylbenzene	**<18.1**	ug/kg	76.1	18.1	1	03/30/21 08:45	03/30/21 21:56	100-41-4	
Hexachloro-1,3-butadiene	**<151**	ug/kg	380	151	1	03/30/21 08:45	03/30/21 21:56	87-68-3	
Isopropylbenzene (Cumene)	**<20.5**	ug/kg	76.1	20.5	1	03/30/21 08:45	03/30/21 21:56	98-82-8	
p-Isopropyltoluene	**<23.1**	ug/kg	76.1	23.1	1	03/30/21 08:45	03/30/21 21:56	99-87-6	
Methylene Chloride	**<21.2**	ug/kg	76.1	21.2	1	03/30/21 08:45	03/30/21 21:56	75-09-2	
Methyl-tert-butyl ether	**<22.4**	ug/kg	76.1	22.4	1	03/30/21 08:45	03/30/21 21:56	1634-04-4	
Naphthalene	**<23.7**	ug/kg	380	23.7	1	03/30/21 08:45	03/30/21 21:56	91-20-3	
n-Propylbenzene	**<18.3**	ug/kg	76.1	18.3	1	03/30/21 08:45	03/30/21 21:56	103-65-1	
Styrene	**<19.5**	ug/kg	76.1	19.5	1	03/30/21 08:45	03/30/21 21:56	100-42-5	
1,1,1,2-Tetrachloroethane	**<18.3**	ug/kg	76.1	18.3	1	03/30/21 08:45	03/30/21 21:56	630-20-6	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-5 (1-2') **Lab ID: 40224112009** Collected: 03/26/21 12:08 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
1,1,2,2-Tetrachloroethane	**<27.5**	ug/kg	76.1	27.5	1	03/30/21 08:45	03/30/21 21:56	79-34-5	
Tetrachloroethene	**<29.5**	ug/kg	76.1	29.5	1	03/30/21 08:45	03/30/21 21:56	127-18-4	
Toluene	**<19.2**	ug/kg	76.1	19.2	1	03/30/21 08:45	03/30/21 21:56	108-88-3	
1,2,3-Trichlorobenzene	**<84.8**	ug/kg	380	84.8	1	03/30/21 08:45	03/30/21 21:56	87-61-6	
1,2,4-Trichlorobenzene	**<62.7**	ug/kg	380	62.7	1	03/30/21 08:45	03/30/21 21:56	120-82-1	
1,1,1-Trichloroethane	**<19.5**	ug/kg	76.1	19.5	1	03/30/21 08:45	03/30/21 21:56	71-55-6	
1,1,2-Trichloroethane	**<27.7**	ug/kg	76.1	27.7	1	03/30/21 08:45	03/30/21 21:56	79-00-5	
Trichloroethene	**<28.5**	ug/kg	76.1	28.5	1	03/30/21 08:45	03/30/21 21:56	79-01-6	
Trichlorofluoromethane	**<22.1**	ug/kg	76.1	22.1	1	03/30/21 08:45	03/30/21 21:56	75-69-4	
1,2,3-Trichloropropane	**<37.0**	ug/kg	76.1	37.0	1	03/30/21 08:45	03/30/21 21:56	96-18-4	
1,2,4-Trimethylbenzene	**<22.7**	ug/kg	76.1	22.7	1	03/30/21 08:45	03/30/21 21:56	95-63-6	
1,3,5-Trimethylbenzene	**<24.5**	ug/kg	76.1	24.5	1	03/30/21 08:45	03/30/21 21:56	108-67-8	
Vinyl chloride	**<15.4**	ug/kg	76.1	15.4	1	03/30/21 08:45	03/30/21 21:56	75-01-4	
Xylene (Total)	**<54.9**	ug/kg	228	54.9	1	03/30/21 08:45	03/30/21 21:56	1330-20-7	
m&p-Xylene	**<32.1**	ug/kg	152	32.1	1	03/30/21 08:45	03/30/21 21:56	179601-23-1	
o-Xylene	**<22.8**	ug/kg	76.1	22.8	1	03/30/21 08:45	03/30/21 21:56	95-47-6	
Surrogates									
Toluene-d8 (S)	105	%	67-159		1	03/30/21 08:45	03/30/21 21:56	2037-26-5	
4-Bromofluorobenzene (S)	115	%	66-153		1	03/30/21 08:45	03/30/21 21:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	116	%	82-158		1	03/30/21 08:45	03/30/21 21:56	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
	Pace Analytical Services - Green Bay								
Percent Moisture	**20.7**	%	0.10	0.10	1		03/27/21 13:46		

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(920)469-2436

ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-5 (6-7') **Lab ID: 40224112010** Collected: 03/26/21 12:11 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
	Pace Analytical Services - Green Bay								
Lead	**27.9**	mg/kg	2.2	0.65	1	03/30/21 06:40	03/30/21 15:07	7439-92-1	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546								
	Pace Analytical Services - Green Bay								
Acenaphthene	**<2.5**	ug/kg	19.0	2.5	1	04/01/21 08:19	04/05/21 09:25	83-32-9	
Acenaphthylene	**<2.4**	ug/kg	19.0	2.4	1	04/01/21 08:19	04/05/21 09:25	208-96-8	
Anthracene	**<2.4**	ug/kg	19.0	2.4	1	04/01/21 08:19	04/05/21 09:25	120-12-7	
Benzo(a)anthracene	**<2.5**	ug/kg	19.0	2.5	1	04/01/21 08:19	04/05/21 09:25	56-55-3	
Benzo(a)pyrene	**<2.2**	ug/kg	19.0	2.2	1	04/01/21 08:19	04/05/21 09:25	50-32-8	
Benzo(b)fluoranthene	**<2.6**	ug/kg	19.0	2.6	1	04/01/21 08:19	04/05/21 09:25	205-99-2	
Benzo(g,h,i)perylene	**<3.3**	ug/kg	19.0	3.3	1	04/01/21 08:19	04/05/21 09:25	191-24-2	
Benzo(k)fluoranthene	**<2.4**	ug/kg	19.0	2.4	1	04/01/21 08:19	04/05/21 09:25	207-08-9	
Chrysene	**<3.6**	ug/kg	19.0	3.6	1	04/01/21 08:19	04/05/21 09:25	218-01-9	
Dibenz(a,h)anthracene	**<2.6**	ug/kg	19.0	2.6	1	04/01/21 08:19	04/05/21 09:25	53-70-3	
Fluoranthene	**<2.2**	ug/kg	19.0	2.2	1	04/01/21 08:19	04/05/21 09:25	206-44-0	
Fluorene	**<2.3**	ug/kg	19.0	2.3	1	04/01/21 08:19	04/05/21 09:25	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.0**	ug/kg	19.0	4.0	1	04/01/21 08:19	04/05/21 09:25	193-39-5	
1-Methylnaphthalene	**<2.8**	ug/kg	19.0	2.8	1	04/01/21 08:19	04/05/21 09:25	90-12-0	
2-Methylnaphthalene	**<2.8**	ug/kg	19.0	2.8	1	04/01/21 08:19	04/05/21 09:25	91-57-6	
Naphthalene	**<1.8**	ug/kg	19.0	1.8	1	04/01/21 08:19	04/05/21 09:25	91-20-3	
Phenanthrene	**<2.2**	ug/kg	19.0	2.2	1	04/01/21 08:19	04/05/21 09:25	85-01-8	
Pyrene	**<2.8**	ug/kg	19.0	2.8	1	04/01/21 08:19	04/05/21 09:25	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	73	%	36-86		1	04/01/21 08:19	04/05/21 09:25	321-60-8	
Terphenyl-d14 (S)	83	%	41-97		1	04/01/21 08:19	04/05/21 09:25	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
Benzene	**<15.2**	ug/kg	25.5	15.2	1	03/30/21 08:45	03/30/21 22:16	71-43-2	
Bromobenzene	**<24.9**	ug/kg	63.8	24.9	1	03/30/21 08:45	03/30/21 22:16	108-86-1	
Bromochloromethane	**<17.5**	ug/kg	63.8	17.5	1	03/30/21 08:45	03/30/21 22:16	74-97-5	
Bromodichloromethane	**<15.2**	ug/kg	63.8	15.2	1	03/30/21 08:45	03/30/21 22:16	75-27-4	
Bromoform	**<281**	ug/kg	319	281	1	03/30/21 08:45	03/30/21 22:16	75-25-2	
Bromomethane	**<89.4**	ug/kg	319	89.4	1	03/30/21 08:45	03/30/21 22:16	74-83-9	
n-Butylbenzene	**<29.2**	ug/kg	63.8	29.2	1	03/30/21 08:45	03/30/21 22:16	104-51-8	
sec-Butylbenzene	**<15.6**	ug/kg	63.8	15.6	1	03/30/21 08:45	03/30/21 22:16	135-98-8	
tert-Butylbenzene	**<20.0**	ug/kg	63.8	20.0	1	03/30/21 08:45	03/30/21 22:16	98-06-6	
Carbon tetrachloride	**<14.0**	ug/kg	63.8	14.0	1	03/30/21 08:45	03/30/21 22:16	56-23-5	
Chlorobenzene	**<7.6**	ug/kg	63.8	7.6	1	03/30/21 08:45	03/30/21 22:16	108-90-7	
Chloroethane	**<26.9**	ug/kg	319	26.9	1	03/30/21 08:45	03/30/21 22:16	75-00-3	
Chloroform	**<45.7**	ug/kg	319	45.7	1	03/30/21 08:45	03/30/21 22:16	67-66-3	
Chloromethane	**<24.2**	ug/kg	63.8	24.2	1	03/30/21 08:45	03/30/21 22:16	74-87-3	L1
2-Chlorotoluene	**<20.7**	ug/kg	63.8	20.7	1	03/30/21 08:45	03/30/21 22:16	95-49-8	
4-Chlorotoluene	**<24.2**	ug/kg	63.8	24.2	1	03/30/21 08:45	03/30/21 22:16	106-43-4	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-5 (6-7') **Lab ID: 40224112010** Collected: 03/26/21 12:11 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
1,2-Dibromo-3-chloropropane	**<49.5**	ug/kg	319	49.5	1	03/30/21 08:45	03/30/21 22:16	96-12-8	
Dibromochloromethane	**<218**	ug/kg	319	218	1	03/30/21 08:45	03/30/21 22:16	124-48-1	
1,2-Dibromoethane (EDB)	**<17.5**	ug/kg	63.8	17.5	1	03/30/21 08:45	03/30/21 22:16	106-93-4	
Dibromomethane	**<18.9**	ug/kg	63.8	18.9	1	03/30/21 08:45	03/30/21 22:16	74-95-3	
1,2-Dichlorobenzene	**<19.8**	ug/kg	63.8	19.8	1	03/30/21 08:45	03/30/21 22:16	95-50-1	
1,3-Dichlorobenzene	**<17.5**	ug/kg	63.8	17.5	1	03/30/21 08:45	03/30/21 22:16	541-73-1	
1,4-Dichlorobenzene	**<17.5**	ug/kg	63.8	17.5	1	03/30/21 08:45	03/30/21 22:16	106-46-7	
Dichlorodifluoromethane	**<27.4**	ug/kg	63.8	27.4	1	03/30/21 08:45	03/30/21 22:16	75-71-8	
1,1-Dichloroethane	**<16.3**	ug/kg	63.8	16.3	1	03/30/21 08:45	03/30/21 22:16	75-34-3	
1,2-Dichloroethane	**<14.7**	ug/kg	63.8	14.7	1	03/30/21 08:45	03/30/21 22:16	107-06-2	
1,1-Dichloroethene	**<21.2**	ug/kg	63.8	21.2	1	03/30/21 08:45	03/30/21 22:16	75-35-4	
cis-1,2-Dichloroethene	**<13.6**	ug/kg	63.8	13.6	1	03/30/21 08:45	03/30/21 22:16	156-59-2	
trans-1,2-Dichloroethene	**<13.8**	ug/kg	63.8	13.8	1	03/30/21 08:45	03/30/21 22:16	156-60-5	
1,2-Dichloropropane	**<15.2**	ug/kg	63.8	15.2	1	03/30/21 08:45	03/30/21 22:16	78-87-5	
1,3-Dichloropropane	**<13.9**	ug/kg	63.8	13.9	1	03/30/21 08:45	03/30/21 22:16	142-28-9	
2,2-Dichloropropane	**<17.2**	ug/kg	63.8	17.2	1	03/30/21 08:45	03/30/21 22:16	594-20-7	
1,1-Dichloropropene	**<20.7**	ug/kg	63.8	20.7	1	03/30/21 08:45	03/30/21 22:16	563-58-6	
cis-1,3-Dichloropropene	**<42.1**	ug/kg	319	42.1	1	03/30/21 08:45	03/30/21 22:16	10061-01-5	
trans-1,3-Dichloropropene	**<182**	ug/kg	319	182	1	03/30/21 08:45	03/30/21 22:16	10061-02-6	
Diisopropyl ether	**<15.8**	ug/kg	63.8	15.8	1	03/30/21 08:45	03/30/21 22:16	108-20-3	
Ethylbenzene	**<15.2**	ug/kg	63.8	15.2	1	03/30/21 08:45	03/30/21 22:16	100-41-4	
Hexachloro-1,3-butadiene	**<127**	ug/kg	319	127	1	03/30/21 08:45	03/30/21 22:16	87-68-3	
Isopropylbenzene (Cumene)	**<17.2**	ug/kg	63.8	17.2	1	03/30/21 08:45	03/30/21 22:16	98-82-8	
p-Isopropyltoluene	**<19.4**	ug/kg	63.8	19.4	1	03/30/21 08:45	03/30/21 22:16	99-87-6	
Methylene Chloride	**<17.7**	ug/kg	63.8	17.7	1	03/30/21 08:45	03/30/21 22:16	75-09-2	
Methyl-tert-butyl ether	**<18.7**	ug/kg	63.8	18.7	1	03/30/21 08:45	03/30/21 22:16	1634-04-4	
Naphthalene	**<19.9**	ug/kg	319	19.9	1	03/30/21 08:45	03/30/21 22:16	91-20-3	
n-Propylbenzene	**<15.3**	ug/kg	63.8	15.3	1	03/30/21 08:45	03/30/21 22:16	103-65-1	
Styrene	**<16.3**	ug/kg	63.8	16.3	1	03/30/21 08:45	03/30/21 22:16	100-42-5	
1,1,1,2-Tetrachloroethane	**<15.3**	ug/kg	63.8	15.3	1	03/30/21 08:45	03/30/21 22:16	630-20-6	
1,1,2,2-Tetrachloroethane	**<23.1**	ug/kg	63.8	23.1	1	03/30/21 08:45	03/30/21 22:16	79-34-5	
Tetrachloroethene	**<24.7**	ug/kg	63.8	24.7	1	03/30/21 08:45	03/30/21 22:16	127-18-4	
Toluene	**<16.1**	ug/kg	63.8	16.1	1	03/30/21 08:45	03/30/21 22:16	108-88-3	
1,2,3-Trichlorobenzene	**<71.0**	ug/kg	319	71.0	1	03/30/21 08:45	03/30/21 22:16	87-61-6	
1,2,4-Trichlorobenzene	**<52.5**	ug/kg	319	52.5	1	03/30/21 08:45	03/30/21 22:16	120-82-1	
1,1,1-Trichloroethane	**<16.3**	ug/kg	63.8	16.3	1	03/30/21 08:45	03/30/21 22:16	71-55-6	
1,1,2-Trichloroethane	**<23.2**	ug/kg	63.8	23.2	1	03/30/21 08:45	03/30/21 22:16	79-00-5	
Trichloroethene	**<23.8**	ug/kg	63.8	23.8	1	03/30/21 08:45	03/30/21 22:16	79-01-6	
Trichlorofluoromethane	**<18.5**	ug/kg	63.8	18.5	1	03/30/21 08:45	03/30/21 22:16	75-69-4	
1,2,3-Trichloropropane	**<31.0**	ug/kg	63.8	31.0	1	03/30/21 08:45	03/30/21 22:16	96-18-4	
1,2,4-Trimethylbenzene	**<19.0**	ug/kg	63.8	19.0	1	03/30/21 08:45	03/30/21 22:16	95-63-6	
1,3,5-Trimethylbenzene	**<20.5**	ug/kg	63.8	20.5	1	03/30/21 08:45	03/30/21 22:16	108-67-8	
Vinyl chloride	**<12.9**	ug/kg	63.8	12.9	1	03/30/21 08:45	03/30/21 22:16	75-01-4	
Xylene (Total)	**<46.0**	ug/kg	191	46.0	1	03/30/21 08:45	03/30/21 22:16	1330-20-7	

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(920)469-2436

ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-5 (6-7') **Lab ID: 40224112010** Collected: 03/26/21 12:11 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
m&p-Xylene	**<26.9**	ug/kg	128	26.9	1	03/30/21 08:45	03/30/21 22:16	179601-23-1	
o-Xylene	**<19.1**	ug/kg	63.8	19.1	1	03/30/21 08:45	03/30/21 22:16	95-47-6	
Surrogates									
Toluene-d8 (S)	112	%	67-159		1	03/30/21 08:45	03/30/21 22:16	2037-26-5	
4-Bromofluorobenzene (S)	128	%	66-153		1	03/30/21 08:45	03/30/21 22:16	460-00-4	
1,2-Dichlorobenzene-d4 (S)	126	%	82-158		1	03/30/21 08:45	03/30/21 22:16	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
	Pace Analytical Services - Green Bay								
Percent Moisture	**12.1**	%	0.10	0.10	1		03/27/21 13:46		

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-6 (2-3') **Lab ID: 40224112011** Collected: 03/26/21 12:55 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
	Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<17.0**	ug/kg	55.9	17.0	1	03/30/21 14:27	03/31/21 19:03	12674-11-2	
PCB-1221 (Aroclor 1221)	**<17.0**	ug/kg	55.9	17.0	1	03/30/21 14:27	03/31/21 19:03	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.0**	ug/kg	55.9	17.0	1	03/30/21 14:27	03/31/21 19:03	11141-16-5	
PCB-1242 (Aroclor 1242)	**<17.0**	ug/kg	55.9	17.0	1	03/30/21 14:27	03/31/21 19:03	53469-21-9	
PCB-1248 (Aroclor 1248)	**<17.0**	ug/kg	55.9	17.0	1	03/30/21 14:27	03/31/21 19:03	12672-29-6	
PCB-1254 (Aroclor 1254)	**<17.0**	ug/kg	55.9	17.0	1	03/30/21 14:27	03/31/21 19:03	11097-69-1	
PCB-1260 (Aroclor 1260)	**<17.0**	ug/kg	55.9	17.0	1	03/30/21 14:27	03/31/21 19:03	11096-82-5	
PCB, Total	**<17.0**	ug/kg	55.9	17.0	1	03/30/21 14:27	03/31/21 19:03	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	88	%	67-102		1	03/30/21 14:27	03/31/21 19:03	877-09-8	
Decachlorobiphenyl (S)	94	%	47-114		1	03/30/21 14:27	03/31/21 19:03	2051-24-3	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
	Pace Analytical Services - Green Bay								
Lead	**15.9**	mg/kg	2.1	0.64	1	03/30/21 06:40	03/30/21 15:09	7439-92-1	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546								
	Pace Analytical Services - Green Bay								
Acenaphthene	**<2.4**	ug/kg	18.6	2.4	1	04/01/21 08:19	04/05/21 10:20	83-32-9	
Acenaphthylene	**<2.3**	ug/kg	18.6	2.3	1	04/01/21 08:19	04/05/21 10:20	208-96-8	
Anthracene	**<2.3**	ug/kg	18.6	2.3	1	04/01/21 08:19	04/05/21 10:20	120-12-7	
Benzo(a)anthracene	**2.6J**	ug/kg	18.6	2.4	1	04/01/21 08:19	04/05/21 10:20	56-55-3	
Benzo(a)pyrene	**<2.1**	ug/kg	18.6	2.1	1	04/01/21 08:19	04/05/21 10:20	50-32-8	
Benzo(b)fluoranthene	**<2.6**	ug/kg	18.6	2.6	1	04/01/21 08:19	04/05/21 10:20	205-99-2	
Benzo(g,h,i)perylene	**<3.3**	ug/kg	18.6	3.3	1	04/01/21 08:19	04/05/21 10:20	191-24-2	
Benzo(k)fluoranthene	**<2.4**	ug/kg	18.6	2.4	1	04/01/21 08:19	04/05/21 10:20	207-08-9	
Chrysene	**<3.5**	ug/kg	18.6	3.5	1	04/01/21 08:19	04/05/21 10:20	218-01-9	
Dibenz(a,h)anthracene	**<2.6**	ug/kg	18.6	2.6	1	04/01/21 08:19	04/05/21 10:20	53-70-3	
Fluoranthene	**2.9J**	ug/kg	18.6	2.2	1	04/01/21 08:19	04/05/21 10:20	206-44-0	
Fluorene	**<2.2**	ug/kg	18.6	2.2	1	04/01/21 08:19	04/05/21 10:20	86-73-7	
Indeno(1,2,3-cd)pyrene	**<3.9**	ug/kg	18.6	3.9	1	04/01/21 08:19	04/05/21 10:20	193-39-5	
1-Methylnaphthalene	**<2.7**	ug/kg	18.6	2.7	1	04/01/21 08:19	04/05/21 10:20	90-12-0	
2-Methylnaphthalene	**<2.7**	ug/kg	18.6	2.7	1	04/01/21 08:19	04/05/21 10:20	91-57-6	
Naphthalene	**2.8J**	ug/kg	18.6	1.8	1	04/01/21 08:19	04/05/21 10:20	91-20-3	B
Phenanthrene	**5.0J**	ug/kg	18.6	2.1	1	04/01/21 08:19	04/05/21 10:20	85-01-8	
Pyrene	**<2.7**	ug/kg	18.6	2.7	1	04/01/21 08:19	04/05/21 10:20	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	72	%	36-86		1	04/01/21 08:19	04/05/21 10:20	321-60-8	
Terphenyl-d14 (S)	78	%	41-97		1	04/01/21 08:19	04/05/21 10:20	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
Benzene	**<14.6**	ug/kg	24.6	14.6	1	03/30/21 08:45	03/30/21 22:36	71-43-2	
Bromobenzene	**<24.0**	ug/kg	61.5	24.0	1	03/30/21 08:45	03/30/21 22:36	108-86-1	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-6 (2-3') **Lab ID: 40224112011** Collected: 03/26/21 12:55 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Bromochloromethane	**<16.9**	ug/kg	61.5	16.9	1	03/30/21 08:45	03/30/21 22:36	74-97-5	
Bromodichloromethane	**<14.6**	ug/kg	61.5	14.6	1	03/30/21 08:45	03/30/21 22:36	75-27-4	
Bromoform	**<271**	ug/kg	308	271	1	03/30/21 08:45	03/30/21 22:36	75-25-2	
Bromomethane	**<86.2**	ug/kg	308	86.2	1	03/30/21 08:45	03/30/21 22:36	74-83-9	
n-Butylbenzene	**<28.2**	ug/kg	61.5	28.2	1	03/30/21 08:45	03/30/21 22:36	104-51-8	
sec-Butylbenzene	**<15.0**	ug/kg	61.5	15.0	1	03/30/21 08:45	03/30/21 22:36	135-98-8	
tert-Butylbenzene	**<19.3**	ug/kg	61.5	19.3	1	03/30/21 08:45	03/30/21 22:36	98-06-6	
Carbon tetrachloride	**<13.5**	ug/kg	61.5	13.5	1	03/30/21 08:45	03/30/21 22:36	56-23-5	
Chlorobenzene	**<7.4**	ug/kg	61.5	7.4	1	03/30/21 08:45	03/30/21 22:36	108-90-7	
Chloroethane	**<26.0**	ug/kg	308	26.0	1	03/30/21 08:45	03/30/21 22:36	75-00-3	
Chloroform	**<44.0**	ug/kg	308	44.0	1	03/30/21 08:45	03/30/21 22:36	67-66-3	
Chloromethane	**<23.4**	ug/kg	61.5	23.4	1	03/30/21 08:45	03/30/21 22:36	74-87-3	L1
2-Chlorotoluene	**<19.9**	ug/kg	61.5	19.9	1	03/30/21 08:45	03/30/21 22:36	95-49-8	
4-Chlorotoluene	**<23.4**	ug/kg	61.5	23.4	1	03/30/21 08:45	03/30/21 22:36	106-43-4	
1,2-Dibromo-3-chloropropane	**<47.7**	ug/kg	308	47.7	1	03/30/21 08:45	03/30/21 22:36	96-12-8	
Dibromochloromethane	**<210**	ug/kg	308	210	1	03/30/21 08:45	03/30/21 22:36	124-48-1	
1,2-Dibromoethane (EDB)	**<16.9**	ug/kg	61.5	16.9	1	03/30/21 08:45	03/30/21 22:36	106-93-4	
Dibromomethane	**<18.2**	ug/kg	61.5	18.2	1	03/30/21 08:45	03/30/21 22:36	74-95-3	
1,2-Dichlorobenzene	**<19.1**	ug/kg	61.5	19.1	1	03/30/21 08:45	03/30/21 22:36	95-50-1	
1,3-Dichlorobenzene	**<16.9**	ug/kg	61.5	16.9	1	03/30/21 08:45	03/30/21 22:36	541-73-1	
1,4-Dichlorobenzene	**<16.9**	ug/kg	61.5	16.9	1	03/30/21 08:45	03/30/21 22:36	106-46-7	
Dichlorodifluoromethane	**<26.5**	ug/kg	61.5	26.5	1	03/30/21 08:45	03/30/21 22:36	75-71-8	
1,1-Dichloroethane	**<15.7**	ug/kg	61.5	15.7	1	03/30/21 08:45	03/30/21 22:36	75-34-3	
1,2-Dichloroethane	**<14.1**	ug/kg	61.5	14.1	1	03/30/21 08:45	03/30/21 22:36	107-06-2	
1,1-Dichloroethene	**<20.4**	ug/kg	61.5	20.4	1	03/30/21 08:45	03/30/21 22:36	75-35-4	
cis-1,2-Dichloroethene	**<13.2**	ug/kg	61.5	13.2	1	03/30/21 08:45	03/30/21 22:36	156-59-2	
trans-1,2-Dichloroethene	**<13.3**	ug/kg	61.5	13.3	1	03/30/21 08:45	03/30/21 22:36	156-60-5	
1,2-Dichloropropane	**<14.6**	ug/kg	61.5	14.6	1	03/30/21 08:45	03/30/21 22:36	78-87-5	
1,3-Dichloropropane	**<13.4**	ug/kg	61.5	13.4	1	03/30/21 08:45	03/30/21 22:36	142-28-9	
2,2-Dichloropropane	**<16.6**	ug/kg	61.5	16.6	1	03/30/21 08:45	03/30/21 22:36	594-20-7	
1,1-Dichloropropene	**<19.9**	ug/kg	61.5	19.9	1	03/30/21 08:45	03/30/21 22:36	563-58-6	
cis-1,3-Dichloropropene	**<40.6**	ug/kg	308	40.6	1	03/30/21 08:45	03/30/21 22:36	10061-01-5	
trans-1,3-Dichloropropene	**<176**	ug/kg	308	176	1	03/30/21 08:45	03/30/21 22:36	10061-02-6	
Diisopropyl ether	**<15.3**	ug/kg	61.5	15.3	1	03/30/21 08:45	03/30/21 22:36	108-20-3	
Ethylbenzene	**<14.6**	ug/kg	61.5	14.6	1	03/30/21 08:45	03/30/21 22:36	100-41-4	
Hexachloro-1,3-butadiene	**<122**	ug/kg	308	122	1	03/30/21 08:45	03/30/21 22:36	87-68-3	
Isopropylbenzene (Cumene)	**<16.6**	ug/kg	61.5	16.6	1	03/30/21 08:45	03/30/21 22:36	98-82-8	
p-Isopropyltoluene	**<18.7**	ug/kg	61.5	18.7	1	03/30/21 08:45	03/30/21 22:36	99-87-6	
Methylene Chloride	**<17.1**	ug/kg	61.5	17.1	1	03/30/21 08:45	03/30/21 22:36	75-09-2	
Methyl-tert-butyl ether	**<18.1**	ug/kg	61.5	18.1	1	03/30/21 08:45	03/30/21 22:36	1634-04-4	
Naphthalene	**<19.2**	ug/kg	308	19.2	1	03/30/21 08:45	03/30/21 22:36	91-20-3	
n-Propylbenzene	**<14.8**	ug/kg	61.5	14.8	1	03/30/21 08:45	03/30/21 22:36	103-65-1	
Styrene	**<15.7**	ug/kg	61.5	15.7	1	03/30/21 08:45	03/30/21 22:36	100-42-5	
1,1,1,2-Tetrachloroethane	**<14.8**	ug/kg	61.5	14.8	1	03/30/21 08:45	03/30/21 22:36	630-20-6	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-6 (2-3') **Lab ID: 40224112011** Collected: 03/26/21 12:55 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
1,1,2,2-Tetrachloroethane	**<22.3**	ug/kg	61.5	22.3	1	03/30/21 08:45	03/30/21 22:36	79-34-5	
Tetrachloroethene	**<23.9**	ug/kg	61.5	23.9	1	03/30/21 08:45	03/30/21 22:36	127-18-4	
Toluene	**<15.5**	ug/kg	61.5	15.5	1	03/30/21 08:45	03/30/21 22:36	108-88-3	
1,2,3-Trichlorobenzene	**<68.5**	ug/kg	308	68.5	1	03/30/21 08:45	03/30/21 22:36	87-61-6	
1,2,4-Trichlorobenzene	**<50.7**	ug/kg	308	50.7	1	03/30/21 08:45	03/30/21 22:36	120-82-1	
1,1,1-Trichloroethane	**<15.7**	ug/kg	61.5	15.7	1	03/30/21 08:45	03/30/21 22:36	71-55-6	
1,1,2-Trichloroethane	**<22.4**	ug/kg	61.5	22.4	1	03/30/21 08:45	03/30/21 22:36	79-00-5	
Trichloroethene	**<23.0**	ug/kg	61.5	23.0	1	03/30/21 08:45	03/30/21 22:36	79-01-6	
Trichlorofluoromethane	**<17.8**	ug/kg	61.5	17.8	1	03/30/21 08:45	03/30/21 22:36	75-69-4	
1,2,3-Trichloropropane	**<29.9**	ug/kg	61.5	29.9	1	03/30/21 08:45	03/30/21 22:36	96-18-4	
1,2,4-Trimethylbenzene	**<18.3**	ug/kg	61.5	18.3	1	03/30/21 08:45	03/30/21 22:36	95-63-6	
1,3,5-Trimethylbenzene	**<19.8**	ug/kg	61.5	19.8	1	03/30/21 08:45	03/30/21 22:36	108-67-8	
Vinyl chloride	**<12.4**	ug/kg	61.5	12.4	1	03/30/21 08:45	03/30/21 22:36	75-01-4	
Xylene (Total)	**<44.4**	ug/kg	185	44.4	1	03/30/21 08:45	03/30/21 22:36	1330-20-7	
m&p-Xylene	**<26.0**	ug/kg	123	26.0	1	03/30/21 08:45	03/30/21 22:36	179601-23-1	
o-Xylene	**<18.5**	ug/kg	61.5	18.5	1	03/30/21 08:45	03/30/21 22:36	95-47-6	
Surrogates									
Toluene-d8 (S)	96	%	67-159		1	03/30/21 08:45	03/30/21 22:36	2037-26-5	
4-Bromofluorobenzene (S)	108	%	66-153		1	03/30/21 08:45	03/30/21 22:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	82-158		1	03/30/21 08:45	03/30/21 22:36	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
	Pace Analytical Services - Green Bay								
Percent Moisture	**10.3**	%	0.10	0.10	1		03/27/21 13:46		

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

ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-6 (4.5-5.5') **Lab ID: 40224112012** Collected: 03/26/21 13:00 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
	Pace Analytical Services - Green Bay								
Lead	**8.1**	mg/kg	2.5	0.75	1	03/30/21 06:40	03/30/21 15:12	7439-92-1	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546								
	Pace Analytical Services - Green Bay								
Acenaphthene	**<2.7**	ug/kg	20.8	2.7	1	04/01/21 08:19	04/05/21 06:59	83-32-9	
Acenaphthylene	**<2.6**	ug/kg	20.8	2.6	1	04/01/21 08:19	04/05/21 06:59	208-96-8	
Anthracene	**<2.6**	ug/kg	20.8	2.6	1	04/01/21 08:19	04/05/21 06:59	120-12-7	
Benzo(a)anthracene	**<2.7**	ug/kg	20.8	2.7	1	04/01/21 08:19	04/05/21 06:59	56-55-3	
Benzo(a)pyrene	**<2.4**	ug/kg	20.8	2.4	1	04/01/21 08:19	04/05/21 06:59	50-32-8	
Benzo(b)fluoranthene	**<2.9**	ug/kg	20.8	2.9	1	04/01/21 08:19	04/05/21 06:59	205-99-2	
Benzo(g,h,i)perylene	**<3.7**	ug/kg	20.8	3.7	1	04/01/21 08:19	04/05/21 06:59	191-24-2	
Benzo(k)fluoranthene	**<2.7**	ug/kg	20.8	2.7	1	04/01/21 08:19	04/05/21 06:59	207-08-9	
Chrysene	**<3.9**	ug/kg	20.8	3.9	1	04/01/21 08:19	04/05/21 06:59	218-01-9	
Dibenz(a,h)anthracene	**<2.9**	ug/kg	20.8	2.9	1	04/01/21 08:19	04/05/21 06:59	53-70-3	
Fluoranthene	**<2.5**	ug/kg	20.8	2.5	1	04/01/21 08:19	04/05/21 06:59	206-44-0	
Fluorene	**<2.5**	ug/kg	20.8	2.5	1	04/01/21 08:19	04/05/21 06:59	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.3**	ug/kg	20.8	4.3	1	04/01/21 08:19	04/05/21 06:59	193-39-5	
1-Methylnaphthalene	**3.1J**	ug/kg	20.8	3.0	1	04/01/21 08:19	04/05/21 06:59	90-12-0	
2-Methylnaphthalene	**3.7J**	ug/kg	20.8	3.0	1	04/01/21 08:19	04/05/21 06:59	91-57-6	
Naphthalene	**7.6J**	ug/kg	20.8	2.0	1	04/01/21 08:19	04/05/21 06:59	91-20-3	B
Phenanthrene	**<2.4**	ug/kg	20.8	2.4	1	04/01/21 08:19	04/05/21 06:59	85-01-8	
Pyrene	**<3.1**	ug/kg	20.8	3.1	1	04/01/21 08:19	04/05/21 06:59	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	68	%	36-86		1	04/01/21 08:19	04/05/21 06:59	321-60-8	
Terphenyl-d14 (S)	72	%	41-97		1	04/01/21 08:19	04/05/21 06:59	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
Benzene	**<17.8**	ug/kg	30.0	17.8	1	03/30/21 08:45	03/30/21 22:57	71-43-2	
Bromobenzene	**<29.2**	ug/kg	75.0	29.2	1	03/30/21 08:45	03/30/21 22:57	108-86-1	
Bromochloromethane	**<20.5**	ug/kg	75.0	20.5	1	03/30/21 08:45	03/30/21 22:57	74-97-5	
Bromodichloromethane	**<17.8**	ug/kg	75.0	17.8	1	03/30/21 08:45	03/30/21 22:57	75-27-4	
Bromoform	**<330**	ug/kg	375	330	1	03/30/21 08:45	03/30/21 22:57	75-25-2	
Bromomethane	**<105**	ug/kg	375	105	1	03/30/21 08:45	03/30/21 22:57	74-83-9	
n-Butylbenzene	**<34.3**	ug/kg	75.0	34.3	1	03/30/21 08:45	03/30/21 22:57	104-51-8	
sec-Butylbenzene	**<18.3**	ug/kg	75.0	18.3	1	03/30/21 08:45	03/30/21 22:57	135-98-8	
tert-Butylbenzene	**<23.5**	ug/kg	75.0	23.5	1	03/30/21 08:45	03/30/21 22:57	98-06-6	
Carbon tetrachloride	**<16.5**	ug/kg	75.0	16.5	1	03/30/21 08:45	03/30/21 22:57	56-23-5	
Chlorobenzene	**<9.0**	ug/kg	75.0	9.0	1	03/30/21 08:45	03/30/21 22:57	108-90-7	
Chloroethane	**<31.6**	ug/kg	375	31.6	1	03/30/21 08:45	03/30/21 22:57	75-00-3	
Chloroform	**<53.7**	ug/kg	375	53.7	1	03/30/21 08:45	03/30/21 22:57	67-66-3	
Chloromethane	**<28.5**	ug/kg	75.0	28.5	1	03/30/21 08:45	03/30/21 22:57	74-87-3	L1
2-Chlorotoluene	**<24.3**	ug/kg	75.0	24.3	1	03/30/21 08:45	03/30/21 22:57	95-49-8	
4-Chlorotoluene	**<28.5**	ug/kg	75.0	28.5	1	03/30/21 08:45	03/30/21 22:57	106-43-4	

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

ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-6 (4.5-5.5') **Lab ID: 40224112012** Collected: 03/26/21 13:00 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
1,2-Dibromo-3-chloropropane	**<58.2**	ug/kg	375	58.2	1	03/30/21 08:45	03/30/21 22:57	96-12-8	
Dibromochloromethane	**<256**	ug/kg	375	256	1	03/30/21 08:45	03/30/21 22:57	124-48-1	
1,2-Dibromoethane (EDB)	**<20.5**	ug/kg	75.0	20.5	1	03/30/21 08:45	03/30/21 22:57	106-93-4	
Dibromomethane	**<22.2**	ug/kg	75.0	22.2	1	03/30/21 08:45	03/30/21 22:57	74-95-3	
1,2-Dichlorobenzene	**<23.2**	ug/kg	75.0	23.2	1	03/30/21 08:45	03/30/21 22:57	95-50-1	
1,3-Dichlorobenzene	**<20.5**	ug/kg	75.0	20.5	1	03/30/21 08:45	03/30/21 22:57	541-73-1	
1,4-Dichlorobenzene	**<20.5**	ug/kg	75.0	20.5	1	03/30/21 08:45	03/30/21 22:57	106-46-7	
Dichlorodifluoromethane	**<32.2**	ug/kg	75.0	32.2	1	03/30/21 08:45	03/30/21 22:57	75-71-8	
1,1-Dichloroethane	**<19.2**	ug/kg	75.0	19.2	1	03/30/21 08:45	03/30/21 22:57	75-34-3	
1,2-Dichloroethane	**<17.2**	ug/kg	75.0	17.2	1	03/30/21 08:45	03/30/21 22:57	107-06-2	
1,1-Dichloroethene	**<24.9**	ug/kg	75.0	24.9	1	03/30/21 08:45	03/30/21 22:57	75-35-4	
cis-1,2-Dichloroethene	**<16.0**	ug/kg	75.0	16.0	1	03/30/21 08:45	03/30/21 22:57	156-59-2	
trans-1,2-Dichloroethene	**<16.2**	ug/kg	75.0	16.2	1	03/30/21 08:45	03/30/21 22:57	156-60-5	
1,2-Dichloropropane	**<17.8**	ug/kg	75.0	17.8	1	03/30/21 08:45	03/30/21 22:57	78-87-5	
1,3-Dichloropropane	**<16.3**	ug/kg	75.0	16.3	1	03/30/21 08:45	03/30/21 22:57	142-28-9	
2,2-Dichloropropane	**<20.2**	ug/kg	75.0	20.2	1	03/30/21 08:45	03/30/21 22:57	594-20-7	
1,1-Dichloropropene	**<24.3**	ug/kg	75.0	24.3	1	03/30/21 08:45	03/30/21 22:57	563-58-6	
cis-1,3-Dichloropropene	**<49.5**	ug/kg	375	49.5	1	03/30/21 08:45	03/30/21 22:57	10061-01-5	
trans-1,3-Dichloropropene	**<214**	ug/kg	375	214	1	03/30/21 08:45	03/30/21 22:57	10061-02-6	
Diisopropyl ether	**<18.6**	ug/kg	75.0	18.6	1	03/30/21 08:45	03/30/21 22:57	108-20-3	
Ethylbenzene	**<17.8**	ug/kg	75.0	17.8	1	03/30/21 08:45	03/30/21 22:57	100-41-4	
Hexachloro-1,3-butadiene	**<149**	ug/kg	375	149	1	03/30/21 08:45	03/30/21 22:57	87-68-3	
Isopropylbenzene (Cumene)	**<20.2**	ug/kg	75.0	20.2	1	03/30/21 08:45	03/30/21 22:57	98-82-8	
p-Isopropyltoluene	**<22.8**	ug/kg	75.0	22.8	1	03/30/21 08:45	03/30/21 22:57	99-87-6	
Methylene Chloride	**<20.8**	ug/kg	75.0	20.8	1	03/30/21 08:45	03/30/21 22:57	75-09-2	
Methyl-tert-butyl ether	**<22.0**	ug/kg	75.0	22.0	1	03/30/21 08:45	03/30/21 22:57	1634-04-4	
Naphthalene	**<23.4**	ug/kg	375	23.4	1	03/30/21 08:45	03/30/21 22:57	91-20-3	
n-Propylbenzene	**<18.0**	ug/kg	75.0	18.0	1	03/30/21 08:45	03/30/21 22:57	103-65-1	
Styrene	**<19.2**	ug/kg	75.0	19.2	1	03/30/21 08:45	03/30/21 22:57	100-42-5	
1,1,1,2-Tetrachloroethane	**<18.0**	ug/kg	75.0	18.0	1	03/30/21 08:45	03/30/21 22:57	630-20-6	
1,1,2,2-Tetrachloroethane	**<27.1**	ug/kg	75.0	27.1	1	03/30/21 08:45	03/30/21 22:57	79-34-5	
Tetrachloroethene	**<29.1**	ug/kg	75.0	29.1	1	03/30/21 08:45	03/30/21 22:57	127-18-4	
Toluene	**<18.9**	ug/kg	75.0	18.9	1	03/30/21 08:45	03/30/21 22:57	108-88-3	
1,2,3-Trichlorobenzene	**<83.5**	ug/kg	375	83.5	1	03/30/21 08:45	03/30/21 22:57	87-61-6	
1,2,4-Trichlorobenzene	**<61.8**	ug/kg	375	61.8	1	03/30/21 08:45	03/30/21 22:57	120-82-1	
1,1,1-Trichloroethane	**<19.2**	ug/kg	75.0	19.2	1	03/30/21 08:45	03/30/21 22:57	71-55-6	
1,1,2-Trichloroethane	**<27.3**	ug/kg	75.0	27.3	1	03/30/21 08:45	03/30/21 22:57	79-00-5	
Trichloroethene	**<28.0**	ug/kg	75.0	28.0	1	03/30/21 08:45	03/30/21 22:57	79-01-6	
Trichlorofluoromethane	**<21.7**	ug/kg	75.0	21.7	1	03/30/21 08:45	03/30/21 22:57	75-69-4	
1,2,3-Trichloropropane	**<36.4**	ug/kg	75.0	36.4	1	03/30/21 08:45	03/30/21 22:57	96-18-4	
1,2,4-Trimethylbenzene	**<22.3**	ug/kg	75.0	22.3	1	03/30/21 08:45	03/30/21 22:57	95-63-6	
1,3,5-Trimethylbenzene	**<24.1**	ug/kg	75.0	24.1	1	03/30/21 08:45	03/30/21 22:57	108-67-8	
Vinyl chloride	**<15.1**	ug/kg	75.0	15.1	1	03/30/21 08:45	03/30/21 22:57	75-01-4	
Xylene (Total)	**<54.1**	ug/kg	225	54.1	1	03/30/21 08:45	03/30/21 22:57	1330-20-7	

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(920)469-2436

ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-6 (4.5-5.5') **Lab ID: 40224112012** Collected: 03/26/21 13:00 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
m&p-Xylene	**<31.6**	ug/kg	150	31.6	1	03/30/21 08:45	03/30/21 22:57	179601-23-1	
o-Xylene	**<22.5**	ug/kg	75.0	22.5	1	03/30/21 08:45	03/30/21 22:57	95-47-6	
Surrogates									
Toluene-d8 (S)	112	%	67-159		1	03/30/21 08:45	03/30/21 22:57	2037-26-5	
4-Bromofluorobenzene (S)	127	%	66-153		1	03/30/21 08:45	03/30/21 22:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	125	%	82-158		1	03/30/21 08:45	03/30/21 22:57	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
	Pace Analytical Services - Green Bay								
Percent Moisture	**20.0**	%	0.10	0.10	1		03/27/21 13:46		

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-7 (1-2') **Lab ID: 40224112013** Collected: 03/26/21 12:30 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
	Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<18.4**	ug/kg	60.3	18.4	1	03/30/21 14:27	03/31/21 19:25	12674-11-2	
PCB-1221 (Aroclor 1221)	**<18.4**	ug/kg	60.3	18.4	1	03/30/21 14:27	03/31/21 19:25	11104-28-2	
PCB-1232 (Aroclor 1232)	**<18.4**	ug/kg	60.3	18.4	1	03/30/21 14:27	03/31/21 19:25	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.4**	ug/kg	60.3	18.4	1	03/30/21 14:27	03/31/21 19:25	53469-21-9	
PCB-1248 (Aroclor 1248)	**<18.4**	ug/kg	60.3	18.4	1	03/30/21 14:27	03/31/21 19:25	12672-29-6	
PCB-1254 (Aroclor 1254)	**<18.4**	ug/kg	60.3	18.4	1	03/30/21 14:27	03/31/21 19:25	11097-69-1	
PCB-1260 (Aroclor 1260)	**<18.4**	ug/kg	60.3	18.4	1	03/30/21 14:27	03/31/21 19:25	11096-82-5	
PCB, Total	**<18.4**	ug/kg	60.3	18.4	1	03/30/21 14:27	03/31/21 19:25	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	86	%	67-102		1	03/30/21 14:27	03/31/21 19:25	877-09-8	
Decachlorobiphenyl (S)	93	%	47-114		1	03/30/21 14:27	03/31/21 19:25	2051-24-3	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
	Pace Analytical Services - Green Bay								
Lead	**632**	mg/kg	2.4	0.72	1	03/30/21 06:40	03/30/21 15:19	7439-92-1	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546								
	Pace Analytical Services - Green Bay								
Acenaphthene	**2.8J**	ug/kg	20.2	2.6	1	04/01/21 08:19	04/06/21 00:59	83-32-9	
Acenaphthylene	**4.1J**	ug/kg	20.2	2.5	1	04/01/21 08:19	04/06/21 00:59	208-96-8	
Anthracene	**8.3J**	ug/kg	20.2	2.5	1	04/01/21 08:19	04/06/21 00:59	120-12-7	
Benzo(a)anthracene	**21.5**	ug/kg	20.2	2.6	1	04/01/21 08:19	04/06/21 00:59	56-55-3	
Benzo(a)pyrene	**19.8J**	ug/kg	20.2	2.3	1	04/01/21 08:19	04/06/21 00:59	50-32-8	
Benzo(b)fluoranthene	**32.3**	ug/kg	20.2	2.8	1	04/01/21 08:19	04/06/21 00:59	205-99-2	
Benzo(g,h,i)perylene	**37.2**	ug/kg	20.2	3.5	1	04/01/21 08:19	04/06/21 00:59	191-24-2	
Benzo(k)fluoranthene	**8.1J**	ug/kg	20.2	2.6	1	04/01/21 08:19	04/06/21 00:59	207-08-9	
Chrysene	**28.3**	ug/kg	20.2	3.8	1	04/01/21 08:19	04/06/21 00:59	218-01-9	
Dibenz(a,h)anthracene	**11.8J**	ug/kg	20.2	2.8	1	04/01/21 08:19	04/06/21 00:59	53-70-3	
Fluoranthene	**40.8**	ug/kg	20.2	2.4	1	04/01/21 08:19	04/06/21 00:59	206-44-0	
Fluorene	**<2.4**	ug/kg	20.2	2.4	1	04/01/21 08:19	04/06/21 00:59	86-73-7	
Indeno(1,2,3-cd)pyrene	**19.9J**	ug/kg	20.2	4.2	1	04/01/21 08:19	04/06/21 00:59	193-39-5	
1-Methylnaphthalene	**119**	ug/kg	20.2	2.9	1	04/01/21 08:19	04/06/21 00:59	90-12-0	
2-Methylnaphthalene	**209**	ug/kg	20.2	3.0	1	04/01/21 08:19	04/06/21 00:59	91-57-6	
Naphthalene	**164**	ug/kg	20.2	2.0	1	04/01/21 08:19	04/06/21 00:59	91-20-3	
Phenanthrene	**140**	ug/kg	20.2	2.3	1	04/01/21 08:19	04/06/21 00:59	85-01-8	
Pyrene	**32.4**	ug/kg	20.2	3.0	1	04/01/21 08:19	04/06/21 00:59	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	71	%	36-86		1	04/01/21 08:19	04/06/21 00:59	321-60-8	
Terphenyl-d14 (S)	79	%	41-97		1	04/01/21 08:19	04/06/21 00:59	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
Benzene	**<16.9**	ug/kg	28.3	16.9	1	03/30/21 08:45	03/30/21 23:17	71-43-2	
Bromobenzene	**<27.6**	ug/kg	70.9	27.6	1	03/30/21 08:45	03/30/21 23:17	108-86-1	

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

ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-7 (1-2') **Lab ID: 40224112013** Collected: 03/26/21 12:30 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Bromochloromethane	**<19.4**	ug/kg	70.9	19.4	1	03/30/21 08:45	03/30/21 23:17	74-97-5	
Bromodichloromethane	**<16.9**	ug/kg	70.9	16.9	1	03/30/21 08:45	03/30/21 23:17	75-27-4	
Bromoform	**<312**	ug/kg	354	312	1	03/30/21 08:45	03/30/21 23:17	75-25-2	
Bromomethane	**<99.4**	ug/kg	354	99.4	1	03/30/21 08:45	03/30/21 23:17	74-83-9	
n-Butylbenzene	**<32.5**	ug/kg	70.9	32.5	1	03/30/21 08:45	03/30/21 23:17	104-51-8	
sec-Butylbenzene	**<17.3**	ug/kg	70.9	17.3	1	03/30/21 08:45	03/30/21 23:17	135-98-8	
tert-Butylbenzene	**<22.3**	ug/kg	70.9	22.3	1	03/30/21 08:45	03/30/21 23:17	98-06-6	
Carbon tetrachloride	**<15.6**	ug/kg	70.9	15.6	1	03/30/21 08:45	03/30/21 23:17	56-23-5	
Chlorobenzene	**<8.5**	ug/kg	70.9	8.5	1	03/30/21 08:45	03/30/21 23:17	108-90-7	
Chloroethane	**<29.9**	ug/kg	354	29.9	1	03/30/21 08:45	03/30/21 23:17	75-00-3	
Chloroform	**<50.7**	ug/kg	354	50.7	1	03/30/21 08:45	03/30/21 23:17	67-66-3	
Chloromethane	**<26.9**	ug/kg	70.9	26.9	1	03/30/21 08:45	03/30/21 23:17	74-87-3	L1
2-Chlorotoluene	**<23.0**	ug/kg	70.9	23.0	1	03/30/21 08:45	03/30/21 23:17	95-49-8	
4-Chlorotoluene	**<26.9**	ug/kg	70.9	26.9	1	03/30/21 08:45	03/30/21 23:17	106-43-4	
1,2-Dibromo-3-chloropropane	**<55.0**	ug/kg	354	55.0	1	03/30/21 08:45	03/30/21 23:17	96-12-8	
Dibromochloromethane	**<242**	ug/kg	354	242	1	03/30/21 08:45	03/30/21 23:17	124-48-1	
1,2-Dibromoethane (EDB)	**<19.4**	ug/kg	70.9	19.4	1	03/30/21 08:45	03/30/21 23:17	106-93-4	
Dibromomethane	**<21.0**	ug/kg	70.9	21.0	1	03/30/21 08:45	03/30/21 23:17	74-95-3	
1,2-Dichlorobenzene	**<22.0**	ug/kg	70.9	22.0	1	03/30/21 08:45	03/30/21 23:17	95-50-1	
1,3-Dichlorobenzene	**<19.4**	ug/kg	70.9	19.4	1	03/30/21 08:45	03/30/21 23:17	541-73-1	
1,4-Dichlorobenzene	**<19.4**	ug/kg	70.9	19.4	1	03/30/21 08:45	03/30/21 23:17	106-46-7	
Dichlorodifluoromethane	**<30.5**	ug/kg	70.9	30.5	1	03/30/21 08:45	03/30/21 23:17	75-71-8	
1,1-Dichloroethane	**<18.1**	ug/kg	70.9	18.1	1	03/30/21 08:45	03/30/21 23:17	75-34-3	
1,2-Dichloroethane	**<16.3**	ug/kg	70.9	16.3	1	03/30/21 08:45	03/30/21 23:17	107-06-2	
1,1-Dichloroethene	**<23.5**	ug/kg	70.9	23.5	1	03/30/21 08:45	03/30/21 23:17	75-35-4	
cis-1,2-Dichloroethene	**<15.2**	ug/kg	70.9	15.2	1	03/30/21 08:45	03/30/21 23:17	156-59-2	
trans-1,2-Dichloroethene	**<15.3**	ug/kg	70.9	15.3	1	03/30/21 08:45	03/30/21 23:17	156-60-5	
1,2-Dichloropropane	**<16.9**	ug/kg	70.9	16.9	1	03/30/21 08:45	03/30/21 23:17	78-87-5	
1,3-Dichloropropane	**<15.4**	ug/kg	70.9	15.4	1	03/30/21 08:45	03/30/21 23:17	142-28-9	
2,2-Dichloropropane	**<19.1**	ug/kg	70.9	19.1	1	03/30/21 08:45	03/30/21 23:17	594-20-7	
1,1-Dichloropropene	**<23.0**	ug/kg	70.9	23.0	1	03/30/21 08:45	03/30/21 23:17	563-58-6	
cis-1,3-Dichloropropene	**<46.8**	ug/kg	354	46.8	1	03/30/21 08:45	03/30/21 23:17	10061-01-5	
trans-1,3-Dichloropropene	**<203**	ug/kg	354	203	1	03/30/21 08:45	03/30/21 23:17	10061-02-6	
Diisopropyl ether	**<17.6**	ug/kg	70.9	17.6	1	03/30/21 08:45	03/30/21 23:17	108-20-3	
Ethylbenzene	**<16.9**	ug/kg	70.9	16.9	1	03/30/21 08:45	03/30/21 23:17	100-41-4	
Hexachloro-1,3-butadiene	**<141**	ug/kg	354	141	1	03/30/21 08:45	03/30/21 23:17	87-68-3	
Isopropylbenzene (Cumene)	**<19.1**	ug/kg	70.9	19.1	1	03/30/21 08:45	03/30/21 23:17	98-82-8	
p-Isopropyltoluene	**<21.5**	ug/kg	70.9	21.5	1	03/30/21 08:45	03/30/21 23:17	99-87-6	
Methylene Chloride	**<19.7**	ug/kg	70.9	19.7	1	03/30/21 08:45	03/30/21 23:17	75-09-2	
Methyl-tert-butyl ether	**<20.8**	ug/kg	70.9	20.8	1	03/30/21 08:45	03/30/21 23:17	1634-04-4	
Naphthalene	**<22.1**	ug/kg	354	22.1	1	03/30/21 08:45	03/30/21 23:17	91-20-3	
n-Propylbenzene	**<17.0**	ug/kg	70.9	17.0	1	03/30/21 08:45	03/30/21 23:17	103-65-1	
Styrene	**<18.1**	ug/kg	70.9	18.1	1	03/30/21 08:45	03/30/21 23:17	100-42-5	
1,1,1,2-Tetrachloroethane	**<17.0**	ug/kg	70.9	17.0	1	03/30/21 08:45	03/30/21 23:17	630-20-6	

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(920)469-2436

ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-7 (1-2') **Lab ID: 40224112013** Collected: 03/26/21 12:30 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
1,1,2,2-Tetrachloroethane	**<25.7**	ug/kg	70.9	25.7	1	03/30/21 08:45	03/30/21 23:17	79-34-5	
Tetrachloroethene	**<27.5**	ug/kg	70.9	27.5	1	03/30/21 08:45	03/30/21 23:17	127-18-4	
Toluene	**<17.9**	ug/kg	70.9	17.9	1	03/30/21 08:45	03/30/21 23:17	108-88-3	
1,2,3-Trichlorobenzene	**<78.9**	ug/kg	354	78.9	1	03/30/21 08:45	03/30/21 23:17	87-61-6	
1,2,4-Trichlorobenzene	**<58.4**	ug/kg	354	58.4	1	03/30/21 08:45	03/30/21 23:17	120-82-1	
1,1,1-Trichloroethane	**<18.1**	ug/kg	70.9	18.1	1	03/30/21 08:45	03/30/21 23:17	71-55-6	
1,1,2-Trichloroethane	**<25.8**	ug/kg	70.9	25.8	1	03/30/21 08:45	03/30/21 23:17	79-00-5	
Trichloroethene	**<26.5**	ug/kg	70.9	26.5	1	03/30/21 08:45	03/30/21 23:17	79-01-6	
Trichlorofluoromethane	**<20.6**	ug/kg	70.9	20.6	1	03/30/21 08:45	03/30/21 23:17	75-69-4	
1,2,3-Trichloropropane	**<34.4**	ug/kg	70.9	34.4	1	03/30/21 08:45	03/30/21 23:17	96-18-4	
1,2,4-Trimethylbenzene	**<21.1**	ug/kg	70.9	21.1	1	03/30/21 08:45	03/30/21 23:17	95-63-6	
1,3,5-Trimethylbenzene	**<22.8**	ug/kg	70.9	22.8	1	03/30/21 08:45	03/30/21 23:17	108-67-8	
Vinyl chloride	**<14.3**	ug/kg	70.9	14.3	1	03/30/21 08:45	03/30/21 23:17	75-01-4	
Xylene (Total)	**<51.2**	ug/kg	213	51.2	1	03/30/21 08:45	03/30/21 23:17	1330-20-7	
m&p-Xylene	**<29.9**	ug/kg	142	29.9	1	03/30/21 08:45	03/30/21 23:17	179601-23-1	
o-Xylene	**<21.3**	ug/kg	70.9	21.3	1	03/30/21 08:45	03/30/21 23:17	95-47-6	
Surrogates									
Toluene-d8 (S)	114	%	67-159		1	03/30/21 08:45	03/30/21 23:17	2037-26-5	
4-Bromofluorobenzene (S)	121	%	66-153		1	03/30/21 08:45	03/30/21 23:17	460-00-4	
1,2-Dichlorobenzene-d4 (S)	126	%	82-158		1	03/30/21 08:45	03/30/21 23:17	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
	Pace Analytical Services - Green Bay								
Percent Moisture	**17.3**	%	0.10	0.10	1		03/27/21 13:46		

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-7 (5-6') **Lab ID: 40224112014** Collected: 03/26/21 12:35 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
	Pace Analytical Services - Green Bay								
Lead	**1.8J**	mg/kg	2.2	0.66	1	03/30/21 06:40	03/30/21 15:21	7439-92-1	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546								
	Pace Analytical Services - Green Bay								
Acenaphthene	**<2.5**	ug/kg	19.1	2.5	1	04/01/21 08:19	04/05/21 07:17	83-32-9	
Acenaphthylene	**<2.4**	ug/kg	19.1	2.4	1	04/01/21 08:19	04/05/21 07:17	208-96-8	
Anthracene	**<2.4**	ug/kg	19.1	2.4	1	04/01/21 08:19	04/05/21 07:17	120-12-7	
Benzo(a)anthracene	**<2.5**	ug/kg	19.1	2.5	1	04/01/21 08:19	04/05/21 07:17	56-55-3	
Benzo(a)pyrene	**<2.2**	ug/kg	19.1	2.2	1	04/01/21 08:19	04/05/21 07:17	50-32-8	
Benzo(b)fluoranthene	**<2.6**	ug/kg	19.1	2.6	1	04/01/21 08:19	04/05/21 07:17	205-99-2	
Benzo(g,h,i)perylene	**<3.3**	ug/kg	19.1	3.3	1	04/01/21 08:19	04/05/21 07:17	191-24-2	
Benzo(k)fluoranthene	**<2.4**	ug/kg	19.1	2.4	1	04/01/21 08:19	04/05/21 07:17	207-08-9	
Chrysene	**<3.6**	ug/kg	19.1	3.6	1	04/01/21 08:19	04/05/21 07:17	218-01-9	
Dibenz(a,h)anthracene	**<2.6**	ug/kg	19.1	2.6	1	04/01/21 08:19	04/05/21 07:17	53-70-3	
Fluoranthene	**<2.3**	ug/kg	19.1	2.3	1	04/01/21 08:19	04/05/21 07:17	206-44-0	
Fluorene	**<2.3**	ug/kg	19.1	2.3	1	04/01/21 08:19	04/05/21 07:17	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.0**	ug/kg	19.1	4.0	1	04/01/21 08:19	04/05/21 07:17	193-39-5	
1-Methylnaphthalene	**<2.8**	ug/kg	19.1	2.8	1	04/01/21 08:19	04/05/21 07:17	90-12-0	
2-Methylnaphthalene	**<2.8**	ug/kg	19.1	2.8	1	04/01/21 08:19	04/05/21 07:17	91-57-6	
Naphthalene	**<1.9**	ug/kg	19.1	1.9	1	04/01/21 08:19	04/05/21 07:17	91-20-3	
Phenanthrene	**<2.2**	ug/kg	19.1	2.2	1	04/01/21 08:19	04/05/21 07:17	85-01-8	
Pyrene	**<2.8**	ug/kg	19.1	2.8	1	04/01/21 08:19	04/05/21 07:17	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	70	%	36-86		1	04/01/21 08:19	04/05/21 07:17	321-60-8	
Terphenyl-d14 (S)	92	%	41-97		1	04/01/21 08:19	04/05/21 07:17	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
Benzene	**<15.3**	ug/kg	25.7	15.3	1	03/30/21 08:45	03/30/21 23:37	71-43-2	
Bromobenzene	**<25.1**	ug/kg	64.2	25.1	1	03/30/21 08:45	03/30/21 23:37	108-86-1	
Bromochloromethane	**<17.6**	ug/kg	64.2	17.6	1	03/30/21 08:45	03/30/21 23:37	74-97-5	
Bromodichloromethane	**<15.3**	ug/kg	64.2	15.3	1	03/30/21 08:45	03/30/21 23:37	75-27-4	
Bromoform	**<283**	ug/kg	321	283	1	03/30/21 08:45	03/30/21 23:37	75-25-2	
Bromomethane	**<90.1**	ug/kg	321	90.1	1	03/30/21 08:45	03/30/21 23:37	74-83-9	
n-Butylbenzene	**<29.4**	ug/kg	64.2	29.4	1	03/30/21 08:45	03/30/21 23:37	104-51-8	
sec-Butylbenzene	**<15.7**	ug/kg	64.2	15.7	1	03/30/21 08:45	03/30/21 23:37	135-98-8	
tert-Butylbenzene	**<20.2**	ug/kg	64.2	20.2	1	03/30/21 08:45	03/30/21 23:37	98-06-6	
Carbon tetrachloride	**<14.1**	ug/kg	64.2	14.1	1	03/30/21 08:45	03/30/21 23:37	56-23-5	
Chlorobenzene	**<7.7**	ug/kg	64.2	7.7	1	03/30/21 08:45	03/30/21 23:37	108-90-7	
Chloroethane	**<27.1**	ug/kg	321	27.1	1	03/30/21 08:45	03/30/21 23:37	75-00-3	
Chloroform	**<46.0**	ug/kg	321	46.0	1	03/30/21 08:45	03/30/21 23:37	67-66-3	
Chloromethane	**<24.4**	ug/kg	64.2	24.4	1	03/30/21 08:45	03/30/21 23:37	74-87-3	L1
2-Chlorotoluene	**<20.8**	ug/kg	64.2	20.8	1	03/30/21 08:45	03/30/21 23:37	95-49-8	
4-Chlorotoluene	**<24.4**	ug/kg	64.2	24.4	1	03/30/21 08:45	03/30/21 23:37	106-43-4	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-7 (5-6') **Lab ID: 40224112014** Collected: 03/26/21 12:35 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
1,2-Dibromo-3-chloropropane	**<49.8**	ug/kg	321	49.8	1	03/30/21 08:45	03/30/21 23:37	96-12-8	
Dibromochloromethane	**<220**	ug/kg	321	220	1	03/30/21 08:45	03/30/21 23:37	124-48-1	
1,2-Dibromoethane (EDB)	**<17.6**	ug/kg	64.2	17.6	1	03/30/21 08:45	03/30/21 23:37	106-93-4	
Dibromomethane	**<19.0**	ug/kg	64.2	19.0	1	03/30/21 08:45	03/30/21 23:37	74-95-3	
1,2-Dichlorobenzene	**<19.9**	ug/kg	64.2	19.9	1	03/30/21 08:45	03/30/21 23:37	95-50-1	
1,3-Dichlorobenzene	**<17.6**	ug/kg	64.2	17.6	1	03/30/21 08:45	03/30/21 23:37	541-73-1	
1,4-Dichlorobenzene	**<17.6**	ug/kg	64.2	17.6	1	03/30/21 08:45	03/30/21 23:37	106-46-7	
Dichlorodifluoromethane	**<27.6**	ug/kg	64.2	27.6	1	03/30/21 08:45	03/30/21 23:37	75-71-8	
1,1-Dichloroethane	**<16.4**	ug/kg	64.2	16.4	1	03/30/21 08:45	03/30/21 23:37	75-34-3	
1,2-Dichloroethane	**<14.8**	ug/kg	64.2	14.8	1	03/30/21 08:45	03/30/21 23:37	107-06-2	
1,1-Dichloroethene	**<21.3**	ug/kg	64.2	21.3	1	03/30/21 08:45	03/30/21 23:37	75-35-4	
cis-1,2-Dichloroethene	**<13.7**	ug/kg	64.2	13.7	1	03/30/21 08:45	03/30/21 23:37	156-59-2	
trans-1,2-Dichloroethene	**<13.9**	ug/kg	64.2	13.9	1	03/30/21 08:45	03/30/21 23:37	156-60-5	
1,2-Dichloropropane	**<15.3**	ug/kg	64.2	15.3	1	03/30/21 08:45	03/30/21 23:37	78-87-5	
1,3-Dichloropropane	**<14.0**	ug/kg	64.2	14.0	1	03/30/21 08:45	03/30/21 23:37	142-28-9	
2,2-Dichloropropane	**<17.3**	ug/kg	64.2	17.3	1	03/30/21 08:45	03/30/21 23:37	594-20-7	
1,1-Dichloropropene	**<20.8**	ug/kg	64.2	20.8	1	03/30/21 08:45	03/30/21 23:37	563-58-6	
cis-1,3-Dichloropropene	**<42.4**	ug/kg	321	42.4	1	03/30/21 08:45	03/30/21 23:37	10061-01-5	
trans-1,3-Dichloropropene	**<184**	ug/kg	321	184	1	03/30/21 08:45	03/30/21 23:37	10061-02-6	
Diisopropyl ether	**<15.9**	ug/kg	64.2	15.9	1	03/30/21 08:45	03/30/21 23:37	108-20-3	
Ethylbenzene	**<15.3**	ug/kg	64.2	15.3	1	03/30/21 08:45	03/30/21 23:37	100-41-4	
Hexachloro-1,3-butadiene	**<128**	ug/kg	321	128	1	03/30/21 08:45	03/30/21 23:37	87-68-3	
Isopropylbenzene (Cumene)	**<17.3**	ug/kg	64.2	17.3	1	03/30/21 08:45	03/30/21 23:37	98-82-8	
p-Isopropyltoluene	**<19.5**	ug/kg	64.2	19.5	1	03/30/21 08:45	03/30/21 23:37	99-87-6	
Methylene Chloride	**<17.9**	ug/kg	64.2	17.9	1	03/30/21 08:45	03/30/21 23:37	75-09-2	
Methyl-tert-butyl ether	**<18.9**	ug/kg	64.2	18.9	1	03/30/21 08:45	03/30/21 23:37	1634-04-4	
Naphthalene	**<20.0**	ug/kg	321	20.0	1	03/30/21 08:45	03/30/21 23:37	91-20-3	
n-Propylbenzene	**<15.4**	ug/kg	64.2	15.4	1	03/30/21 08:45	03/30/21 23:37	103-65-1	
Styrene	**<16.4**	ug/kg	64.2	16.4	1	03/30/21 08:45	03/30/21 23:37	100-42-5	
1,1,1,2-Tetrachloroethane	**<15.4**	ug/kg	64.2	15.4	1	03/30/21 08:45	03/30/21 23:37	630-20-6	
1,1,2,2-Tetrachloroethane	**<23.3**	ug/kg	64.2	23.3	1	03/30/21 08:45	03/30/21 23:37	79-34-5	
Tetrachloroethene	**<24.9**	ug/kg	64.2	24.9	1	03/30/21 08:45	03/30/21 23:37	127-18-4	
Toluene	**<16.2**	ug/kg	64.2	16.2	1	03/30/21 08:45	03/30/21 23:37	108-88-3	
1,2,3-Trichlorobenzene	**<71.6**	ug/kg	321	71.6	1	03/30/21 08:45	03/30/21 23:37	87-61-6	
1,2,4-Trichlorobenzene	**<52.9**	ug/kg	321	52.9	1	03/30/21 08:45	03/30/21 23:37	120-82-1	
1,1,1-Trichloroethane	**<16.4**	ug/kg	64.2	16.4	1	03/30/21 08:45	03/30/21 23:37	71-55-6	
1,1,2-Trichloroethane	**<23.4**	ug/kg	64.2	23.4	1	03/30/21 08:45	03/30/21 23:37	79-00-5	
Trichloroethene	**<24.0**	ug/kg	64.2	24.0	1	03/30/21 08:45	03/30/21 23:37	79-01-6	
Trichlorofluoromethane	**<18.6**	ug/kg	64.2	18.6	1	03/30/21 08:45	03/30/21 23:37	75-69-4	
1,2,3-Trichloropropane	**<31.2**	ug/kg	64.2	31.2	1	03/30/21 08:45	03/30/21 23:37	96-18-4	
1,2,4-Trimethylbenzene	**<19.1**	ug/kg	64.2	19.1	1	03/30/21 08:45	03/30/21 23:37	95-63-6	
1,3,5-Trimethylbenzene	**<20.7**	ug/kg	64.2	20.7	1	03/30/21 08:45	03/30/21 23:37	108-67-8	
Vinyl chloride	**<13.0**	ug/kg	64.2	13.0	1	03/30/21 08:45	03/30/21 23:37	75-01-4	
Xylene (Total)	**<46.4**	ug/kg	193	46.4	1	03/30/21 08:45	03/30/21 23:37	1330-20-7	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-7 (5-6') **Lab ID: 40224112014** Collected: 03/26/21 12:35 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
m&p-Xylene	**<27.1**	ug/kg	128	27.1	1	03/30/21 08:45	03/30/21 23:37	179601-23-1	
o-Xylene	**<19.3**	ug/kg	64.2	19.3	1	03/30/21 08:45	03/30/21 23:37	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	67-159		1	03/30/21 08:45	03/30/21 23:37	2037-26-5	
4-Bromofluorobenzene (S)	115	%	66-153		1	03/30/21 08:45	03/30/21 23:37	460-00-4	
1,2-Dichlorobenzene-d4 (S)	119	%	82-158		1	03/30/21 08:45	03/30/21 23:37	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
	Pace Analytical Services - Green Bay								
Percent Moisture	**12.5**	%	0.10	0.10	1		03/27/21 13:46		

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-8 (1-2') **Lab ID: 40224112015** Collected: 03/26/21 13:18 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
	Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<17.7**	ug/kg	58.0	17.7	1	03/30/21 14:27	03/31/21 19:46	12674-11-2	
PCB-1221 (Aroclor 1221)	**<17.7**	ug/kg	58.0	17.7	1	03/30/21 14:27	03/31/21 19:46	11104-28-2	
PCB-1232 (Aroclor 1232)	**<17.7**	ug/kg	58.0	17.7	1	03/30/21 14:27	03/31/21 19:46	11141-16-5	
PCB-1242 (Aroclor 1242)	**<17.7**	ug/kg	58.0	17.7	1	03/30/21 14:27	03/31/21 19:46	53469-21-9	
PCB-1248 (Aroclor 1248)	**<17.7**	ug/kg	58.0	17.7	1	03/30/21 14:27	03/31/21 19:46	12672-29-6	
PCB-1254 (Aroclor 1254)	**<17.7**	ug/kg	58.0	17.7	1	03/30/21 14:27	03/31/21 19:46	11097-69-1	
PCB-1260 (Aroclor 1260)	**<17.7**	ug/kg	58.0	17.7	1	03/30/21 14:27	03/31/21 19:46	11096-82-5	
PCB, Total	**<17.7**	ug/kg	58.0	17.7	1	03/30/21 14:27	03/31/21 19:46	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	88	%	67-102		1	03/30/21 14:27	03/31/21 19:46	877-09-8	
Decachlorobiphenyl (S)	85	%	47-114		1	03/30/21 14:27	03/31/21 19:46	2051-24-3	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
	Pace Analytical Services - Green Bay								
Lead	**20.6**	mg/kg	2.1	0.64	1	03/30/21 06:40	03/30/21 15:24	7439-92-1	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546								
	Pace Analytical Services - Green Bay								
Acenaphthene	**30.1J**	ug/kg	96.9	12.6	5	04/01/21 08:19	04/06/21 00:23	83-32-9	
Acenaphthylene	**<12.2**	ug/kg	96.9	12.2	5	04/01/21 08:19	04/06/21 00:23	208-96-8	
Anthracene	**56.7J**	ug/kg	96.9	12.0	5	04/01/21 08:19	04/06/21 00:23	120-12-7	
Benzo(a)anthracene	**361**	ug/kg	96.9	12.5	5	04/01/21 08:19	04/06/21 00:23	56-55-3	
Benzo(a)pyrene	**363**	ug/kg	96.9	11.0	5	04/01/21 08:19	04/06/21 00:23	50-32-8	
Benzo(b)fluoranthene	**638**	ug/kg	96.9	13.4	5	04/01/21 08:19	04/06/21 00:23	205-99-2	
Benzo(g,h,i)perylene	**319**	ug/kg	96.9	17.0	5	04/01/21 08:19	04/06/21 00:23	191-24-2	
Benzo(k)fluoranthene	**215**	ug/kg	96.9	12.4	5	04/01/21 08:19	04/06/21 00:23	207-08-9	
Chrysene	**443**	ug/kg	96.9	18.3	5	04/01/21 08:19	04/06/21 00:23	218-01-9	
Dibenz(a,h)anthracene	**80.9J**	ug/kg	96.9	13.4	5	04/01/21 08:19	04/06/21 00:23	53-70-3	
Fluoranthene	**882**	ug/kg	96.9	11.5	5	04/01/21 08:19	04/06/21 00:23	206-44-0	
Fluorene	**18.3J**	ug/kg	96.9	11.6	5	04/01/21 08:19	04/06/21 00:23	86-73-7	
Indeno(1,2,3-cd)pyrene	**272**	ug/kg	96.9	20.2	5	04/01/21 08:19	04/06/21 00:23	193-39-5	
1-Methylnaphthalene	**<14.1**	ug/kg	96.9	14.1	5	04/01/21 08:19	04/06/21 00:23	90-12-0	
2-Methylnaphthalene	**<14.2**	ug/kg	96.9	14.2	5	04/01/21 08:19	04/06/21 00:23	91-57-6	
Naphthalene	**<9.4**	ug/kg	96.9	9.4	5	04/01/21 08:19	04/06/21 00:23	91-20-3	
Phenanthrene	**384**	ug/kg	96.9	11.1	5	04/01/21 08:19	04/06/21 00:23	85-01-8	
Pyrene	**670**	ug/kg	96.9	14.2	5	04/01/21 08:19	04/06/21 00:23	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	65	%	36-86		5	04/01/21 08:19	04/06/21 00:23	321-60-8	
Terphenyl-d14 (S)	69	%	41-97		5	04/01/21 08:19	04/06/21 00:23	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
Benzene	**<15.7**	ug/kg	26.4	15.7	1	03/31/21 07:30	03/31/21 13:21	71-43-2	
Bromobenzene	**<25.8**	ug/kg	66.1	25.8	1	03/31/21 07:30	03/31/21 13:21	108-86-1	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-8 (1-2') **Lab ID: 40224112015** Collected: 03/26/21 13:18 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Bromochloromethane	**<18.1**	ug/kg	66.1	18.1	1	03/31/21 07:30	03/31/21 13:21	74-97-5	
Bromodichloromethane	**<15.7**	ug/kg	66.1	15.7	1	03/31/21 07:30	03/31/21 13:21	75-27-4	
Bromoform	**<291**	ug/kg	331	291	1	03/31/21 07:30	03/31/21 13:21	75-25-2	
Bromomethane	**<92.7**	ug/kg	331	92.7	1	03/31/21 07:30	03/31/21 13:21	74-83-9	
n-Butylbenzene	**<30.3**	ug/kg	66.1	30.3	1	03/31/21 07:30	03/31/21 13:21	104-51-8	
sec-Butylbenzene	**<16.1**	ug/kg	66.1	16.1	1	03/31/21 07:30	03/31/21 13:21	135-98-8	
tert-Butylbenzene	**<20.8**	ug/kg	66.1	20.8	1	03/31/21 07:30	03/31/21 13:21	98-06-6	
Carbon tetrachloride	**<14.5**	ug/kg	66.1	14.5	1	03/31/21 07:30	03/31/21 13:21	56-23-5	
Chlorobenzene	**<7.9**	ug/kg	66.1	7.9	1	03/31/21 07:30	03/31/21 13:21	108-90-7	
Chloroethane	**<27.9**	ug/kg	331	27.9	1	03/31/21 07:30	03/31/21 13:21	75-00-3	
Chloroform	**<47.3**	ug/kg	331	47.3	1	03/31/21 07:30	03/31/21 13:21	67-66-3	
Chloromethane	**<25.1**	ug/kg	66.1	25.1	1	03/31/21 07:30	03/31/21 13:21	74-87-3	
2-Chlorotoluene	**<21.4**	ug/kg	66.1	21.4	1	03/31/21 07:30	03/31/21 13:21	95-49-8	
4-Chlorotoluene	**<25.1**	ug/kg	66.1	25.1	1	03/31/21 07:30	03/31/21 13:21	106-43-4	
1,2-Dibromo-3-chloropropane	**<51.3**	ug/kg	331	51.3	1	03/31/21 07:30	03/31/21 13:21	96-12-8	
Dibromochloromethane	**<226**	ug/kg	331	226	1	03/31/21 07:30	03/31/21 13:21	124-48-1	
1,2-Dibromoethane (EDB)	**<18.1**	ug/kg	66.1	18.1	1	03/31/21 07:30	03/31/21 13:21	106-93-4	
Dibromomethane	**<19.6**	ug/kg	66.1	19.6	1	03/31/21 07:30	03/31/21 13:21	74-95-3	
1,2-Dichlorobenzene	**<20.5**	ug/kg	66.1	20.5	1	03/31/21 07:30	03/31/21 13:21	95-50-1	
1,3-Dichlorobenzene	**<18.1**	ug/kg	66.1	18.1	1	03/31/21 07:30	03/31/21 13:21	541-73-1	
1,4-Dichlorobenzene	**<18.1**	ug/kg	66.1	18.1	1	03/31/21 07:30	03/31/21 13:21	106-46-7	
Dichlorodifluoromethane	**<28.4**	ug/kg	66.1	28.4	1	03/31/21 07:30	03/31/21 13:21	75-71-8	
1,1-Dichloroethane	**<16.9**	ug/kg	66.1	16.9	1	03/31/21 07:30	03/31/21 13:21	75-34-3	
1,2-Dichloroethane	**<15.2**	ug/kg	66.1	15.2	1	03/31/21 07:30	03/31/21 13:21	107-06-2	
1,1-Dichloroethene	**<21.9**	ug/kg	66.1	21.9	1	03/31/21 07:30	03/31/21 13:21	75-35-4	
cis-1,2-Dichloroethene	**<14.1**	ug/kg	66.1	14.1	1	03/31/21 07:30	03/31/21 13:21	156-59-2	
trans-1,2-Dichloroethene	**<14.3**	ug/kg	66.1	14.3	1	03/31/21 07:30	03/31/21 13:21	156-60-5	
1,2-Dichloropropane	**<15.7**	ug/kg	66.1	15.7	1	03/31/21 07:30	03/31/21 13:21	78-87-5	
1,3-Dichloropropane	**<14.4**	ug/kg	66.1	14.4	1	03/31/21 07:30	03/31/21 13:21	142-28-9	
2,2-Dichloropropane	**<17.8**	ug/kg	66.1	17.8	1	03/31/21 07:30	03/31/21 13:21	594-20-7	
1,1-Dichloropropene	**<21.4**	ug/kg	66.1	21.4	1	03/31/21 07:30	03/31/21 13:21	563-58-6	
cis-1,3-Dichloropropene	**<43.6**	ug/kg	331	43.6	1	03/31/21 07:30	03/31/21 13:21	10061-01-5	
trans-1,3-Dichloropropene	**<189**	ug/kg	331	189	1	03/31/21 07:30	03/31/21 13:21	10061-02-6	
Diisopropyl ether	**<16.4**	ug/kg	66.1	16.4	1	03/31/21 07:30	03/31/21 13:21	108-20-3	
Ethylbenzene	**<15.7**	ug/kg	66.1	15.7	1	03/31/21 07:30	03/31/21 13:21	100-41-4	
Hexachloro-1,3-butadiene	**<131**	ug/kg	331	131	1	03/31/21 07:30	03/31/21 13:21	87-68-3	
Isopropylbenzene (Cumene)	**<17.8**	ug/kg	66.1	17.8	1	03/31/21 07:30	03/31/21 13:21	98-82-8	
p-Isopropyltoluene	**<20.1**	ug/kg	66.1	20.1	1	03/31/21 07:30	03/31/21 13:21	99-87-6	
Methylene Chloride	**<18.4**	ug/kg	66.1	18.4	1	03/31/21 07:30	03/31/21 13:21	75-09-2	
Methyl-tert-butyl ether	**<19.4**	ug/kg	66.1	19.4	1	03/31/21 07:30	03/31/21 13:21	1634-04-4	
Naphthalene	**<20.6**	ug/kg	331	20.6	1	03/31/21 07:30	03/31/21 13:21	91-20-3	
n-Propylbenzene	**<15.9**	ug/kg	66.1	15.9	1	03/31/21 07:30	03/31/21 13:21	103-65-1	
Styrene	**<16.9**	ug/kg	66.1	16.9	1	03/31/21 07:30	03/31/21 13:21	100-42-5	
1,1,1,2-Tetrachloroethane	**<15.9**	ug/kg	66.1	15.9	1	03/31/21 07:30	03/31/21 13:21	630-20-6	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-8 (1-2') **Lab ID: 40224112015** Collected: 03/26/21 13:18 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
1,1,2,2-Tetrachloroethane	**<23.9**	ug/kg	66.1	23.9	1	03/31/21 07:30	03/31/21 13:21	79-34-5	
Tetrachloroethene	**<25.6**	ug/kg	66.1	25.6	1	03/31/21 07:30	03/31/21 13:21	127-18-4	
Toluene	**<16.7**	ug/kg	66.1	16.7	1	03/31/21 07:30	03/31/21 13:21	108-88-3	
1,2,3-Trichlorobenzene	**<73.6**	ug/kg	331	73.6	1	03/31/21 07:30	03/31/21 13:21	87-61-6	
1,2,4-Trichlorobenzene	**<54.5**	ug/kg	331	54.5	1	03/31/21 07:30	03/31/21 13:21	120-82-1	
1,1,1-Trichloroethane	**<16.9**	ug/kg	66.1	16.9	1	03/31/21 07:30	03/31/21 13:21	71-55-6	
1,1,2-Trichloroethane	**<24.1**	ug/kg	66.1	24.1	1	03/31/21 07:30	03/31/21 13:21	79-00-5	
Trichloroethene	**<24.7**	ug/kg	66.1	24.7	1	03/31/21 07:30	03/31/21 13:21	79-01-6	
Trichlorofluoromethane	**<19.2**	ug/kg	66.1	19.2	1	03/31/21 07:30	03/31/21 13:21	75-69-4	
1,2,3-Trichloropropane	**<32.1**	ug/kg	66.1	32.1	1	03/31/21 07:30	03/31/21 13:21	96-18-4	
1,2,4-Trimethylbenzene	**<19.7**	ug/kg	66.1	19.7	1	03/31/21 07:30	03/31/21 13:21	95-63-6	
1,3,5-Trimethylbenzene	**<21.3**	ug/kg	66.1	21.3	1	03/31/21 07:30	03/31/21 13:21	108-67-8	
Vinyl chloride	**<13.4**	ug/kg	66.1	13.4	1	03/31/21 07:30	03/31/21 13:21	75-01-4	
Xylene (Total)	**<47.7**	ug/kg	198	47.7	1	03/31/21 07:30	03/31/21 13:21	1330-20-7	
m&p-Xylene	**<27.9**	ug/kg	132	27.9	1	03/31/21 07:30	03/31/21 13:21	179601-23-1	
o-Xylene	**<19.8**	ug/kg	66.1	19.8	1	03/31/21 07:30	03/31/21 13:21	95-47-6	
Surrogates									
Toluene-d8 (S)	107	%	67-159		1	03/31/21 07:30	03/31/21 13:21	2037-26-5	
4-Bromofluorobenzene (S)	123	%	66-153		1	03/31/21 07:30	03/31/21 13:21	460-00-4	
1,2-Dichlorobenzene-d4 (S)	119	%	82-158		1	03/31/21 07:30	03/31/21 13:21	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
	Pace Analytical Services - Green Bay								
Percent Moisture	**13.9**	%	0.10	0.10	1		03/27/21 13:46		

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

ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-8 (5-6') **Lab ID: 40224112016** Collected: 03/26/21 13:25 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
	Pace Analytical Services - Green Bay								
Lead	**0.87J**	mg/kg	2.1	0.62	1	03/30/21 06:40	03/30/21 15:26	7439-92-1	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546								
	Pace Analytical Services - Green Bay								
Acenaphthene	**<2.3**	ug/kg	18.0	2.3	1	04/01/21 08:19	04/05/21 07:35	83-32-9	
Acenaphthylene	**<2.3**	ug/kg	18.0	2.3	1	04/01/21 08:19	04/05/21 07:35	208-96-8	
Anthracene	**<2.2**	ug/kg	18.0	2.2	1	04/01/21 08:19	04/05/21 07:35	120-12-7	
Benzo(a)anthracene	**<2.3**	ug/kg	18.0	2.3	1	04/01/21 08:19	04/05/21 07:35	56-55-3	
Benzo(a)pyrene	**<2.0**	ug/kg	18.0	2.0	1	04/01/21 08:19	04/05/21 07:35	50-32-8	
Benzo(b)fluoranthene	**<2.5**	ug/kg	18.0	2.5	1	04/01/21 08:19	04/05/21 07:35	205-99-2	
Benzo(g,h,i)perylene	**<3.2**	ug/kg	18.0	3.2	1	04/01/21 08:19	04/05/21 07:35	191-24-2	
Benzo(k)fluoranthene	**<2.3**	ug/kg	18.0	2.3	1	04/01/21 08:19	04/05/21 07:35	207-08-9	
Chrysene	**<3.4**	ug/kg	18.0	3.4	1	04/01/21 08:19	04/05/21 07:35	218-01-9	
Dibenz(a,h)anthracene	**<2.5**	ug/kg	18.0	2.5	1	04/01/21 08:19	04/05/21 07:35	53-70-3	
Fluoranthene	**<2.1**	ug/kg	18.0	2.1	1	04/01/21 08:19	04/05/21 07:35	206-44-0	
Fluorene	**<2.2**	ug/kg	18.0	2.2	1	04/01/21 08:19	04/05/21 07:35	86-73-7	
Indeno(1,2,3-cd)pyrene	**<3.8**	ug/kg	18.0	3.8	1	04/01/21 08:19	04/05/21 07:35	193-39-5	
1-Methylnaphthalene	**<2.6**	ug/kg	18.0	2.6	1	04/01/21 08:19	04/05/21 07:35	90-12-0	
2-Methylnaphthalene	**<2.6**	ug/kg	18.0	2.6	1	04/01/21 08:19	04/05/21 07:35	91-57-6	
Naphthalene	**<1.8**	ug/kg	18.0	1.8	1	04/01/21 08:19	04/05/21 07:35	91-20-3	
Phenanthrene	**<2.1**	ug/kg	18.0	2.1	1	04/01/21 08:19	04/05/21 07:35	85-01-8	
Pyrene	**<2.6**	ug/kg	18.0	2.6	1	04/01/21 08:19	04/05/21 07:35	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	63	%	36-86		1	04/01/21 08:19	04/05/21 07:35	321-60-8	
Terphenyl-d14 (S)	75	%	41-97		1	04/01/21 08:19	04/05/21 07:35	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
Benzene	**<13.8**	ug/kg	23.2	13.8	1	03/31/21 07:30	03/31/21 13:41	71-43-2	
Bromobenzene	**<22.6**	ug/kg	57.9	22.6	1	03/31/21 07:30	03/31/21 13:41	108-86-1	
Bromochloromethane	**<15.9**	ug/kg	57.9	15.9	1	03/31/21 07:30	03/31/21 13:41	74-97-5	
Bromodichloromethane	**<13.8**	ug/kg	57.9	13.8	1	03/31/21 07:30	03/31/21 13:41	75-27-4	
Bromoform	**<255**	ug/kg	290	255	1	03/31/21 07:30	03/31/21 13:41	75-25-2	
Bromomethane	**<81.2**	ug/kg	290	81.2	1	03/31/21 07:30	03/31/21 13:41	74-83-9	
n-Butylbenzene	**<26.5**	ug/kg	57.9	26.5	1	03/31/21 07:30	03/31/21 13:41	104-51-8	
sec-Butylbenzene	**<14.1**	ug/kg	57.9	14.1	1	03/31/21 07:30	03/31/21 13:41	135-98-8	
tert-Butylbenzene	**<18.2**	ug/kg	57.9	18.2	1	03/31/21 07:30	03/31/21 13:41	98-06-6	
Carbon tetrachloride	**<12.7**	ug/kg	57.9	12.7	1	03/31/21 07:30	03/31/21 13:41	56-23-5	
Chlorobenzene	**<6.9**	ug/kg	57.9	6.9	1	03/31/21 07:30	03/31/21 13:41	108-90-7	
Chloroethane	**<24.4**	ug/kg	290	24.4	1	03/31/21 07:30	03/31/21 13:41	75-00-3	
Chloroform	**<41.5**	ug/kg	290	41.5	1	03/31/21 07:30	03/31/21 13:41	67-66-3	
Chloromethane	**<22.0**	ug/kg	57.9	22.0	1	03/31/21 07:30	03/31/21 13:41	74-87-3	
2-Chlorotoluene	**<18.8**	ug/kg	57.9	18.8	1	03/31/21 07:30	03/31/21 13:41	95-49-8	
4-Chlorotoluene	**<22.0**	ug/kg	57.9	22.0	1	03/31/21 07:30	03/31/21 13:41	106-43-4	

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1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-8 (5-6') **Lab ID: 40224112016** Collected: 03/26/21 13:25 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
1,2-Dibromo-3-chloropropane	**<44.9**	ug/kg	290	44.9	1	03/31/21 07:30	03/31/21 13:41	96-12-8	
Dibromochloromethane	**<198**	ug/kg	290	198	1	03/31/21 07:30	03/31/21 13:41	124-48-1	
1,2-Dibromoethane (EDB)	**<15.9**	ug/kg	57.9	15.9	1	03/31/21 07:30	03/31/21 13:41	106-93-4	
Dibromomethane	**<17.1**	ug/kg	57.9	17.1	1	03/31/21 07:30	03/31/21 13:41	74-95-3	
1,2-Dichlorobenzene	**<18.0**	ug/kg	57.9	18.0	1	03/31/21 07:30	03/31/21 13:41	95-50-1	
1,3-Dichlorobenzene	**<15.9**	ug/kg	57.9	15.9	1	03/31/21 07:30	03/31/21 13:41	541-73-1	
1,4-Dichlorobenzene	**<15.9**	ug/kg	57.9	15.9	1	03/31/21 07:30	03/31/21 13:41	106-46-7	
Dichlorodifluoromethane	**<24.9**	ug/kg	57.9	24.9	1	03/31/21 07:30	03/31/21 13:41	75-71-8	
1,1-Dichloroethane	**<14.8**	ug/kg	57.9	14.8	1	03/31/21 07:30	03/31/21 13:41	75-34-3	
1,2-Dichloroethane	**<13.3**	ug/kg	57.9	13.3	1	03/31/21 07:30	03/31/21 13:41	107-06-2	
1,1-Dichloroethene	**<19.2**	ug/kg	57.9	19.2	1	03/31/21 07:30	03/31/21 13:41	75-35-4	
cis-1,2-Dichloroethene	**<12.4**	ug/kg	57.9	12.4	1	03/31/21 07:30	03/31/21 13:41	156-59-2	
trans-1,2-Dichloroethene	**<12.5**	ug/kg	57.9	12.5	1	03/31/21 07:30	03/31/21 13:41	156-60-5	
1,2-Dichloropropane	**<13.8**	ug/kg	57.9	13.8	1	03/31/21 07:30	03/31/21 13:41	78-87-5	
1,3-Dichloropropane	**<12.6**	ug/kg	57.9	12.6	1	03/31/21 07:30	03/31/21 13:41	142-28-9	
2,2-Dichloropropane	**<15.6**	ug/kg	57.9	15.6	1	03/31/21 07:30	03/31/21 13:41	594-20-7	
1,1-Dichloropropene	**<18.8**	ug/kg	57.9	18.8	1	03/31/21 07:30	03/31/21 13:41	563-58-6	
cis-1,3-Dichloropropene	**<38.2**	ug/kg	290	38.2	1	03/31/21 07:30	03/31/21 13:41	10061-01-5	
trans-1,3-Dichloropropene	**<166**	ug/kg	290	166	1	03/31/21 07:30	03/31/21 13:41	10061-02-6	
Diisopropyl ether	**<14.4**	ug/kg	57.9	14.4	1	03/31/21 07:30	03/31/21 13:41	108-20-3	
Ethylbenzene	**<13.8**	ug/kg	57.9	13.8	1	03/31/21 07:30	03/31/21 13:41	100-41-4	
Hexachloro-1,3-butadiene	**<115**	ug/kg	290	115	1	03/31/21 07:30	03/31/21 13:41	87-68-3	
Isopropylbenzene (Cumene)	**<15.6**	ug/kg	57.9	15.6	1	03/31/21 07:30	03/31/21 13:41	98-82-8	
p-Isopropyltoluene	**<17.6**	ug/kg	57.9	17.6	1	03/31/21 07:30	03/31/21 13:41	99-87-6	
Methylene Chloride	**<16.1**	ug/kg	57.9	16.1	1	03/31/21 07:30	03/31/21 13:41	75-09-2	
Methyl-tert-butyl ether	**<17.0**	ug/kg	57.9	17.0	1	03/31/21 07:30	03/31/21 13:41	1634-04-4	
Naphthalene	**<18.1**	ug/kg	290	18.1	1	03/31/21 07:30	03/31/21 13:41	91-20-3	
n-Propylbenzene	**<13.9**	ug/kg	57.9	13.9	1	03/31/21 07:30	03/31/21 13:41	103-65-1	
Styrene	**<14.8**	ug/kg	57.9	14.8	1	03/31/21 07:30	03/31/21 13:41	100-42-5	
1,1,1,2-Tetrachloroethane	**<13.9**	ug/kg	57.9	13.9	1	03/31/21 07:30	03/31/21 13:41	630-20-6	
1,1,2,2-Tetrachloroethane	**<21.0**	ug/kg	57.9	21.0	1	03/31/21 07:30	03/31/21 13:41	79-34-5	
Tetrachloroethene	**<22.5**	ug/kg	57.9	22.5	1	03/31/21 07:30	03/31/21 13:41	127-18-4	
Toluene	**<14.6**	ug/kg	57.9	14.6	1	03/31/21 07:30	03/31/21 13:41	108-88-3	
1,2,3-Trichlorobenzene	**<64.5**	ug/kg	290	64.5	1	03/31/21 07:30	03/31/21 13:41	87-61-6	
1,2,4-Trichlorobenzene	**<47.7**	ug/kg	290	47.7	1	03/31/21 07:30	03/31/21 13:41	120-82-1	
1,1,1-Trichloroethane	**<14.8**	ug/kg	57.9	14.8	1	03/31/21 07:30	03/31/21 13:41	71-55-6	
1,1,2-Trichloroethane	**<21.1**	ug/kg	57.9	21.1	1	03/31/21 07:30	03/31/21 13:41	79-00-5	
Trichloroethene	**<21.7**	ug/kg	57.9	21.7	1	03/31/21 07:30	03/31/21 13:41	79-01-6	
Trichlorofluoromethane	**<16.8**	ug/kg	57.9	16.8	1	03/31/21 07:30	03/31/21 13:41	75-69-4	
1,2,3-Trichloropropane	**<28.1**	ug/kg	57.9	28.1	1	03/31/21 07:30	03/31/21 13:41	96-18-4	
1,2,4-Trimethylbenzene	**<17.3**	ug/kg	57.9	17.3	1	03/31/21 07:30	03/31/21 13:41	95-63-6	
1,3,5-Trimethylbenzene	**<18.7**	ug/kg	57.9	18.7	1	03/31/21 07:30	03/31/21 13:41	108-67-8	
Vinyl chloride	**<11.7**	ug/kg	57.9	11.7	1	03/31/21 07:30	03/31/21 13:41	75-01-4	
Xylene (Total)	**<41.8**	ug/kg	174	41.8	1	03/31/21 07:30	03/31/21 13:41	1330-20-7	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: SP-8 (5-6') **Lab ID: 40224112016** Collected: 03/26/21 13:25 Received: 03/27/21 08:35 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
	Pace Analytical Services - Green Bay								
m&p-Xylene	**<24.4**	ug/kg	116	24.4	1	03/31/21 07:30	03/31/21 13:41	179601-23-1	
o-Xylene	**<17.4**	ug/kg	57.9	17.4	1	03/31/21 07:30	03/31/21 13:41	95-47-6	
Surrogates									
Toluene-d8 (S)	105	%	67-159		1	03/31/21 07:30	03/31/21 13:41	2037-26-5	
4-Bromofluorobenzene (S)	115	%	66-153		1	03/31/21 07:30	03/31/21 13:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	123	%	82-158		1	03/31/21 07:30	03/31/21 13:41	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
	Pace Analytical Services - Green Bay								
Percent Moisture	**7.3**	%	0.10	0.10	1		03/27/21 13:46		

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(920)469-2436

ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: TRIP BLANK **Lab ID: 40224112017** Collected: 03/26/21 07:05 Received: 03/27/21 08:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<11.9**	ug/kg	20.0	11.9	1	03/30/21 08:45	03/30/21 17:14	71-43-2	
Bromobenzene	**<19.5**	ug/kg	50.0	19.5	1	03/30/21 08:45	03/30/21 17:14	108-86-1	
Bromochloromethane	**<13.7**	ug/kg	50.0	13.7	1	03/30/21 08:45	03/30/21 17:14	74-97-5	
Bromodichloromethane	**<11.9**	ug/kg	50.0	11.9	1	03/30/21 08:45	03/30/21 17:14	75-27-4	
Bromoform	**<220**	ug/kg	250	220	1	03/30/21 08:45	03/30/21 17:14	75-25-2	
Bromomethane	**<70.1**	ug/kg	250	70.1	1	03/30/21 08:45	03/30/21 17:14	74-83-9	
n-Butylbenzene	**<22.9**	ug/kg	50.0	22.9	1	03/30/21 08:45	03/30/21 17:14	104-51-8	
sec-Butylbenzene	**<12.2**	ug/kg	50.0	12.2	1	03/30/21 08:45	03/30/21 17:14	135-98-8	
tert-Butylbenzene	**<15.7**	ug/kg	50.0	15.7	1	03/30/21 08:45	03/30/21 17:14	98-06-6	
Carbon tetrachloride	**<11.0**	ug/kg	50.0	11.0	1	03/30/21 08:45	03/30/21 17:14	56-23-5	
Chlorobenzene	**<6.0**	ug/kg	50.0	6.0	1	03/30/21 08:45	03/30/21 17:14	108-90-7	
Chloroethane	**<21.1**	ug/kg	250	21.1	1	03/30/21 08:45	03/30/21 17:14	75-00-3	
Chloroform	**<35.8**	ug/kg	250	35.8	1	03/30/21 08:45	03/30/21 17:14	67-66-3	
Chloromethane	**<19.0**	ug/kg	50.0	19.0	1	03/30/21 08:45	03/30/21 17:14	74-87-3	L1
2-Chlorotoluene	**<16.2**	ug/kg	50.0	16.2	1	03/30/21 08:45	03/30/21 17:14	95-49-8	
4-Chlorotoluene	**<19.0**	ug/kg	50.0	19.0	1	03/30/21 08:45	03/30/21 17:14	106-43-4	
1,2-Dibromo-3-chloropropane	**<38.8**	ug/kg	250	38.8	1	03/30/21 08:45	03/30/21 17:14	96-12-8	
Dibromochloromethane	**<171**	ug/kg	250	171	1	03/30/21 08:45	03/30/21 17:14	124-48-1	
1,2-Dibromoethane (EDB)	**<13.7**	ug/kg	50.0	13.7	1	03/30/21 08:45	03/30/21 17:14	106-93-4	
Dibromomethane	**<14.8**	ug/kg	50.0	14.8	1	03/30/21 08:45	03/30/21 17:14	74-95-3	
1,2-Dichlorobenzene	**<15.5**	ug/kg	50.0	15.5	1	03/30/21 08:45	03/30/21 17:14	95-50-1	
1,3-Dichlorobenzene	**<13.7**	ug/kg	50.0	13.7	1	03/30/21 08:45	03/30/21 17:14	541-73-1	
1,4-Dichlorobenzene	**<13.7**	ug/kg	50.0	13.7	1	03/30/21 08:45	03/30/21 17:14	106-46-7	
Dichlorodifluoromethane	**<21.5**	ug/kg	50.0	21.5	1	03/30/21 08:45	03/30/21 17:14	75-71-8	
1,1-Dichloroethane	**<12.8**	ug/kg	50.0	12.8	1	03/30/21 08:45	03/30/21 17:14	75-34-3	
1,2-Dichloroethane	**<11.5**	ug/kg	50.0	11.5	1	03/30/21 08:45	03/30/21 17:14	107-06-2	
1,1-Dichloroethene	**<16.6**	ug/kg	50.0	16.6	1	03/30/21 08:45	03/30/21 17:14	75-35-4	
cis-1,2-Dichloroethene	**<10.7**	ug/kg	50.0	10.7	1	03/30/21 08:45	03/30/21 17:14	156-59-2	
trans-1,2-Dichloroethene	**<10.8**	ug/kg	50.0	10.8	1	03/30/21 08:45	03/30/21 17:14	156-60-5	
1,2-Dichloropropane	**<11.9**	ug/kg	50.0	11.9	1	03/30/21 08:45	03/30/21 17:14	78-87-5	
1,3-Dichloropropane	**<10.9**	ug/kg	50.0	10.9	1	03/30/21 08:45	03/30/21 17:14	142-28-9	
2,2-Dichloropropane	**<13.5**	ug/kg	50.0	13.5	1	03/30/21 08:45	03/30/21 17:14	594-20-7	
1,1-Dichloropropene	**<16.2**	ug/kg	50.0	16.2	1	03/30/21 08:45	03/30/21 17:14	563-58-6	
cis-1,3-Dichloropropene	**<33.0**	ug/kg	250	33.0	1	03/30/21 08:45	03/30/21 17:14	10061-01-5	
trans-1,3-Dichloropropene	**<143**	ug/kg	250	143	1	03/30/21 08:45	03/30/21 17:14	10061-02-6	
Diisopropyl ether	**<12.4**	ug/kg	50.0	12.4	1	03/30/21 08:45	03/30/21 17:14	108-20-3	
Ethylbenzene	**<11.9**	ug/kg	50.0	11.9	1	03/30/21 08:45	03/30/21 17:14	100-41-4	
Hexachloro-1,3-butadiene	**<99.4**	ug/kg	250	99.4	1	03/30/21 08:45	03/30/21 17:14	87-68-3	
Isopropylbenzene (Cumene)	**<13.5**	ug/kg	50.0	13.5	1	03/30/21 08:45	03/30/21 17:14	98-82-8	
p-Isopropyltoluene	**<15.2**	ug/kg	50.0	15.2	1	03/30/21 08:45	03/30/21 17:14	99-87-6	
Methylene Chloride	**<13.9**	ug/kg	50.0	13.9	1	03/30/21 08:45	03/30/21 17:14	75-09-2	
Methyl-tert-butyl ether	**<14.7**	ug/kg	50.0	14.7	1	03/30/21 08:45	03/30/21 17:14	1634-04-4	
Naphthalene	**<15.6**	ug/kg	250	15.6	1	03/30/21 08:45	03/30/21 17:14	91-20-3	
n-Propylbenzene	**<12.0**	ug/kg	50.0	12.0	1	03/30/21 08:45	03/30/21 17:14	103-65-1	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Sample: TRIP BLANK **Lab ID: 40224112017** Collected: 03/26/21 07:05 Received: 03/27/21 08:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<12.8**	ug/kg	50.0	12.8	1	03/30/21 08:45	03/30/21 17:14	100-42-5	
1,1,1,2-Tetrachloroethane	**<12.0**	ug/kg	50.0	12.0	1	03/30/21 08:45	03/30/21 17:14	630-20-6	
1,1,2,2-Tetrachloroethane	**<18.1**	ug/kg	50.0	18.1	1	03/30/21 08:45	03/30/21 17:14	79-34-5	
Tetrachloroethene	**<19.4**	ug/kg	50.0	19.4	1	03/30/21 08:45	03/30/21 17:14	127-18-4	
Toluene	**<12.6**	ug/kg	50.0	12.6	1	03/30/21 08:45	03/30/21 17:14	108-88-3	
1,2,3-Trichlorobenzene	**<55.7**	ug/kg	250	55.7	1	03/30/21 08:45	03/30/21 17:14	87-61-6	
1,2,4-Trichlorobenzene	**<41.2**	ug/kg	250	41.2	1	03/30/21 08:45	03/30/21 17:14	120-82-1	
1,1,1-Trichloroethane	**<12.8**	ug/kg	50.0	12.8	1	03/30/21 08:45	03/30/21 17:14	71-55-6	
1,1,2-Trichloroethane	**<18.2**	ug/kg	50.0	18.2	1	03/30/21 08:45	03/30/21 17:14	79-00-5	
Trichloroethene	**<18.7**	ug/kg	50.0	18.7	1	03/30/21 08:45	03/30/21 17:14	79-01-6	
Trichlorofluoromethane	**<14.5**	ug/kg	50.0	14.5	1	03/30/21 08:45	03/30/21 17:14	75-69-4	
1,2,3-Trichloropropane	**<24.3**	ug/kg	50.0	24.3	1	03/30/21 08:45	03/30/21 17:14	96-18-4	
1,2,4-Trimethylbenzene	**<14.9**	ug/kg	50.0	14.9	1	03/30/21 08:45	03/30/21 17:14	95-63-6	
1,3,5-Trimethylbenzene	**<16.1**	ug/kg	50.0	16.1	1	03/30/21 08:45	03/30/21 17:14	108-67-8	
Vinyl chloride	**<10.1**	ug/kg	50.0	10.1	1	03/30/21 08:45	03/30/21 17:14	75-01-4	
Xylene (Total)	**<36.1**	ug/kg	150	36.1	1	03/30/21 08:45	03/30/21 17:14	1330-20-7	
m&p-Xylene	**<21.1**	ug/kg	100	21.1	1	03/30/21 08:45	03/30/21 17:14	179601-23-1	
o-Xylene	**<15.0**	ug/kg	50.0	15.0	1	03/30/21 08:45	03/30/21 17:14	95-47-6	
Surrogates									
Toluene-d8 (S)	94	%	67-159		1	03/30/21 08:45	03/30/21 17:14	2037-26-5	
4-Bromofluorobenzene (S)	105	%	66-153		1	03/30/21 08:45	03/30/21 17:14	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	82-158		1	03/30/21 08:45	03/30/21 17:14	2199-69-1	

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QUALITY CONTROL DATA

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

QC Batch: 380884
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40224112001, 40224112002, 40224112003, 40224112004, 40224112005, 40224112006, 40224112007, 40224112008, 40224112009, 40224112010, 40224112011, 40224112012, 40224112013, 40224112014, 40224112015, 40224112016

METHOD BLANK: 2197105
Matrix: Solid
Associated Lab Samples: 40224112001, 40224112002, 40224112003, 40224112004, 40224112005, 40224112006, 40224112007, 40224112008, 40224112009, 40224112010, 40224112011, 40224112012, 40224112013, 40224112014, 40224112015, 40224112016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	<0.60	2.0	03/30/21 14:26	

LABORATORY CONTROL SAMPLE: 2197106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	50.5	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2197107 2197108

Parameter	Units	40224112005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	20.1	61.7	61.9	69.0	69.7	79	80	75-125	1	20	

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QUALITY CONTROL DATA

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

QC Batch: 381030
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Med Level Normal List
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40224112001, 40224112002, 40224112003, 40224112004, 40224112005, 40224112006, 40224112007, 40224112008, 40224112009, 40224112010, 40224112011, 40224112012, 40224112013, 40224112014, 40224112017

METHOD BLANK: 2197714
Matrix: Solid
Associated Lab Samples: 40224112001, 40224112002, 40224112003, 40224112004, 40224112005, 40224112006, 40224112007, 40224112008, 40224112009, 40224112010, 40224112011, 40224112012, 40224112013, 40224112014, 40224112017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<12.0	50.0	03/30/21 15:33	
1,1,1-Trichloroethane	ug/kg	<12.8	50.0	03/30/21 15:33	
1,1,2,2-Tetrachloroethane	ug/kg	<18.1	50.0	03/30/21 15:33	
1,1,2-Trichloroethane	ug/kg	<18.2	50.0	03/30/21 15:33	
1,1-Dichloroethane	ug/kg	<12.8	50.0	03/30/21 15:33	
1,1-Dichloroethene	ug/kg	<16.6	50.0	03/30/21 15:33	
1,1-Dichloropropene	ug/kg	<16.2	50.0	03/30/21 15:33	
1,2,3-Trichlorobenzene	ug/kg	<55.7	250	03/30/21 15:33	
1,2,3-Trichloropropane	ug/kg	<24.3	50.0	03/30/21 15:33	
1,2,4-Trichlorobenzene	ug/kg	<41.2	250	03/30/21 15:33	
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	03/30/21 15:33	
1,2-Dibromo-3-chloropropane	ug/kg	<38.8	250	03/30/21 15:33	
1,2-Dibromoethane (EDB)	ug/kg	<13.7	50.0	03/30/21 15:33	
1,2-Dichlorobenzene	ug/kg	<15.5	50.0	03/30/21 15:33	
1,2-Dichloroethane	ug/kg	<11.5	50.0	03/30/21 15:33	
1,2-Dichloropropane	ug/kg	<11.9	50.0	03/30/21 15:33	
1,3,5-Trimethylbenzene	ug/kg	<16.1	50.0	03/30/21 15:33	
1,3-Dichlorobenzene	ug/kg	<13.7	50.0	03/30/21 15:33	
1,3-Dichloropropane	ug/kg	<10.9	50.0	03/30/21 15:33	
1,4-Dichlorobenzene	ug/kg	<13.7	50.0	03/30/21 15:33	
2,2-Dichloropropane	ug/kg	<13.5	50.0	03/30/21 15:33	
2-Chlorotoluene	ug/kg	<16.2	50.0	03/30/21 15:33	
4-Chlorotoluene	ug/kg	<19.0	50.0	03/30/21 15:33	
Benzene	ug/kg	<11.9	20.0	03/30/21 15:33	
Bromobenzene	ug/kg	<19.5	50.0	03/30/21 15:33	
Bromochloromethane	ug/kg	<13.7	50.0	03/30/21 15:33	
Bromodichloromethane	ug/kg	<11.9	50.0	03/30/21 15:33	
Bromoform	ug/kg	<220	250	03/30/21 15:33	
Bromomethane	ug/kg	<70.1	250	03/30/21 15:33	
Carbon tetrachloride	ug/kg	<11.0	50.0	03/30/21 15:33	
Chlorobenzene	ug/kg	<6.0	50.0	03/30/21 15:33	
Chloroethane	ug/kg	<21.1	250	03/30/21 15:33	
Chloroform	ug/kg	<35.8	250	03/30/21 15:33	
Chloromethane	ug/kg	<19.0	50.0	03/30/21 15:33	
cis-1,2-Dichloroethene	ug/kg	<10.7	50.0	03/30/21 15:33	
cis-1,3-Dichloropropene	ug/kg	<33.0	250	03/30/21 15:33	
Dibromochloromethane	ug/kg	<171	250	03/30/21 15:33	

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QUALITY CONTROL DATA

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

METHOD BLANK: 2197714 Matrix: Solid

Associated Lab Samples: 40224112001, 40224112002, 40224112003, 40224112004, 40224112005, 40224112006, 40224112007, 40224112008, 40224112009, 40224112010, 40224112011, 40224112012, 40224112013, 40224112014, 40224112017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	<14.8	50.0	03/30/21 15:33	
Dichlorodifluoromethane	ug/kg	<21.5	50.0	03/30/21 15:33	
Diisopropyl ether	ug/kg	<12.4	50.0	03/30/21 15:33	
Ethylbenzene	ug/kg	<11.9	50.0	03/30/21 15:33	
Hexachloro-1,3-butadiene	ug/kg	<99.4	250	03/30/21 15:33	
Isopropylbenzene (Cumene)	ug/kg	<13.5	50.0	03/30/21 15:33	
m&p-Xylene	ug/kg	<21.1	100	03/30/21 15:33	
Methyl-tert-butyl ether	ug/kg	<14.7	50.0	03/30/21 15:33	
Methylene Chloride	ug/kg	<13.9	50.0	03/30/21 15:33	
n-Butylbenzene	ug/kg	<22.9	50.0	03/30/21 15:33	
n-Propylbenzene	ug/kg	<12.0	50.0	03/30/21 15:33	
Naphthalene	ug/kg	<15.6	250	03/30/21 15:33	
o-Xylene	ug/kg	<15.0	50.0	03/30/21 15:33	
p-Isopropyltoluene	ug/kg	<15.2	50.0	03/30/21 15:33	
sec-Butylbenzene	ug/kg	<12.2	50.0	03/30/21 15:33	
Styrene	ug/kg	<12.8	50.0	03/30/21 15:33	
tert-Butylbenzene	ug/kg	<15.7	50.0	03/30/21 15:33	
Tetrachloroethene	ug/kg	<19.4	50.0	03/30/21 15:33	
Toluene	ug/kg	<12.6	50.0	03/30/21 15:33	
trans-1,2-Dichloroethene	ug/kg	<10.8	50.0	03/30/21 15:33	
trans-1,3-Dichloropropene	ug/kg	<143	250	03/30/21 15:33	
Trichloroethene	ug/kg	<18.7	50.0	03/30/21 15:33	
Trichlorofluoromethane	ug/kg	<14.5	50.0	03/30/21 15:33	
Vinyl chloride	ug/kg	<10.1	50.0	03/30/21 15:33	
Xylene (Total)	ug/kg	<36.1	150	03/30/21 15:33	
1,2-Dichlorobenzene-d4 (S)	%	102	82-158	03/30/21 15:33	
4-Bromofluorobenzene (S)	%	110	66-153	03/30/21 15:33	
Toluene-d8 (S)	%	90	67-159	03/30/21 15:33	

LABORATORY CONTROL SAMPLE: 2197715

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2460	98	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2460	98	65-129	
1,1,2-Trichloroethane	ug/kg	2500	2530	101	70-130	
1,1-Dichloroethane	ug/kg	2500	2730	109	70-130	
1,1-Dichloroethene	ug/kg	2500	3000	120	67-120	
1,2,4-Trichlorobenzene	ug/kg	2500	2120	85	64-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2540	102	57-119	
1,2-Dibromoethane (EDB)	ug/kg	2500	2580	103	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2270	91	70-130	
1,2-Dichloroethane	ug/kg	2500	2830	113	70-130	

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QUALITY CONTROL DATA

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

LABORATORY CONTROL SAMPLE: 2197715

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/kg	2500	2610	104	72-118	
1,3-Dichlorobenzene	ug/kg	2500	2250	90	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2270	91	70-130	
Benzene	ug/kg	2500	2430	97	70-130	
Bromodichloromethane	ug/kg	2500	2650	106	70-130	
Bromoform	ug/kg	2500	2870	115	66-130	
Bromomethane	ug/kg	2500	1950	78	13-153	
Carbon tetrachloride	ug/kg	2500	2620	105	73-134	
Chlorobenzene	ug/kg	2500	2520	101	70-130	
Chloroethane	ug/kg	2500	2090	84	19-170	
Chloroform	ug/kg	2500	2510	100	79-120	
Chloromethane	ug/kg	2500	3210	128	45-117	L1
cis-1,2-Dichloroethene	ug/kg	2500	2440	98	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2510	101	68-130	
Dibromochloromethane	ug/kg	2500	2660	106	70-130	
Dichlorodifluoromethane	ug/kg	2500	2340	93	15-135	
Ethylbenzene	ug/kg	2500	2590	104	78-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2670	107	70-130	
m&p-Xylene	ug/kg	5000	5170	103	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2570	103	65-130	
Methylene Chloride	ug/kg	2500	2290	92	70-130	
o-Xylene	ug/kg	2500	2640	106	70-130	
Styrene	ug/kg	2500	2710	108	70-130	
Tetrachloroethene	ug/kg	2500	2330	93	70-130	
Toluene	ug/kg	2500	2450	98	76-120	
trans-1,2-Dichloroethene	ug/kg	2500	2310	92	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2680	107	70-130	
Trichloroethene	ug/kg	2500	2520	101	70-130	
Trichlorofluoromethane	ug/kg	2500	2800	112	49-153	
Vinyl chloride	ug/kg	2500	2930	117	58-121	
Xylene (Total)	ug/kg	7500	7810	104	70-130	
1,2-Dichlorobenzene-d4 (S)	%			106	82-158	
4-Bromofluorobenzene (S)	%			107	66-153	
Toluene-d8 (S)	%			96	67-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2197716 2197717

Parameter	Units	40224112005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<19.0	1250	1230	1670	1530	133	124	70-130	9	20	M1
1,1,2,2-Tetrachloroethane	ug/kg	<26.9	1250	1230	1600	1530	128	124	65-129	4	20	
1,1,2-Trichloroethane	ug/kg	<27.0	1250	1230	1690	1590	135	129	70-130	6	20	M1
1,1-Dichloroethane	ug/kg	<19.0	1250	1230	1810	1670	145	135	70-130	8	20	M1
1,1-Dichloroethene	ug/kg	<24.6	1250	1230	1860	1670	149	135	64-120	11	20	M1
1,2,4-Trichlorobenzene	ug/kg	<61.2	1250	1230	1680	1510	134	122	64-130	11	20	M1

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QUALITY CONTROL DATA

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2197716 2197717

Parameter	Units	40224112005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/kg	<57.6	1250	1230	1560	1610	124	130	57-130	3	21	
1,2-Dibromoethane (EDB)	ug/kg	<20.3	1250	1230	1770	1500	142	121	70-130	17	20	M1
1,2-Dichlorobenzene	ug/kg	<23.0	1250	1230	1600	1460	128	118	70-130	9	20	
1,2-Dichloroethane	ug/kg	<17.1	1250	1230	1980	1690	159	137	70-130	16	20	M1
1,2-Dichloropropane	ug/kg	<17.7	1250	1230	1750	1560	140	127	72-122	11	20	M1
1,3-Dichlorobenzene	ug/kg	<20.3	1250	1230	1640	1530	132	124	70-130	7	20	M1
1,4-Dichlorobenzene	ug/kg	<20.3	1250	1230	1620	1550	129	125	70-130	5	20	
Benzene	ug/kg	<17.7	1250	1230	1630	1480	130	120	70-130	9	20	
Bromodichloromethane	ug/kg	<17.7	1250	1230	1740	1590	139	129	70-130	9	20	M1
Bromoform	ug/kg	<327	1250	1230	1830	1540	147	125	66-130	18	20	M1
Bromomethane	ug/kg	<104	1250	1230	1370	1270	110	103	13-153	8	20	
Carbon tetrachloride	ug/kg	<16.3	1250	1230	1660	1590	133	129	67-134	4	20	
Chlorobenzene	ug/kg	<8.9	1250	1230	1710	1590	137	128	70-130	8	20	M1
Chloroethane	ug/kg	<31.3	1250	1230	1720	1590	137	129	11-195	8	20	
Chloroform	ug/kg	<53.2	1250	1230	1760	1550	141	126	79-120	13	20	M1
Chloromethane	ug/kg	<28.2	1250	1230	2060	1820	164	147	30-136	12	20	M0
cis-1,2-Dichloroethene	ug/kg	<15.9	1250	1230	1650	1470	132	119	70-130	12	20	M1
cis-1,3-Dichloropropene	ug/kg	<49.0	1250	1230	1750	1500	140	121	68-130	16	20	M1
Dibromochloromethane	ug/kg	<254	1250	1230	1730	1530	139	124	70-130	12	20	M1
Dichlorodifluoromethane	ug/kg	<31.9	1250	1230	1260	1390	101	113	10-158	10	25	
Ethylbenzene	ug/kg	<17.7	1250	1230	1780	1580	142	128	78-120	12	20	M1
Isopropylbenzene (Cumene)	ug/kg	<20.0	1250	1230	1870	1700	150	138	70-130	10	20	M1
m&p-Xylene	ug/kg	<31.3	2500	2470	3570	3320	143	134	70-130	7	20	M1
Methyl-tert-butyl ether	ug/kg	<21.8	1250	1230	1760	1460	141	118	65-130	19	20	M1
Methylene Chloride	ug/kg	<20.6	1250	1230	1450	1430	116	116	70-130	1	20	
o-Xylene	ug/kg	<22.3	1250	1230	1820	1620	146	131	70-130	12	20	M1
Styrene	ug/kg	<19.0	1250	1230	1860	1640	149	133	70-130	12	20	M1
Tetrachloroethene	ug/kg	<28.8	1250	1230	1540	1430	123	115	70-130	8	20	
Toluene	ug/kg	<18.7	1250	1230	1690	1540	135	125	76-120	9	20	M1
trans-1,2-Dichloroethene	ug/kg	<16.0	1250	1230	1610	1480	129	120	70-130	8	20	
trans-1,3-Dichloropropene	ug/kg	<212	1250	1230	1760	1570	141	127	70-130	12	20	M1
Trichloroethene	ug/kg	<27.8	1250	1230	1730	1520	139	123	70-130	13	20	M1
Trichlorofluoromethane	ug/kg	<21.5	1250	1230	1790	1710	143	139	42-159	4	21	
Vinyl chloride	ug/kg	<15.0	1250	1230	1850	1730	148	140	43-137	7	20	M1
Xylene (Total)	ug/kg	<53.6	3750	3700	5390	4940	144	133	70-130	9	20	MS
1,2-Dichlorobenzene-d4 (S)	%						132	125	82-158			
4-Bromofluorobenzene (S)	%						135	130	66-153			
Toluene-d8 (S)	%						126	114	67-159			

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QUALITY CONTROL DATA

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

QC Batch: 381136
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Med Level Normal List
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40224112015, 40224112016

METHOD BLANK: 2198148
Matrix: Solid
Associated Lab Samples: 40224112015, 40224112016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<12.0	50.0	03/31/21 10:59	
1,1,1-Trichloroethane	ug/kg	<12.8	50.0	03/31/21 10:59	
1,1,2,2-Tetrachloroethane	ug/kg	<18.1	50.0	03/31/21 10:59	
1,1,2-Trichloroethane	ug/kg	<18.2	50.0	03/31/21 10:59	
1,1-Dichloroethane	ug/kg	<12.8	50.0	03/31/21 10:59	
1,1-Dichloroethene	ug/kg	<16.6	50.0	03/31/21 10:59	
1,1-Dichloropropene	ug/kg	<16.2	50.0	03/31/21 10:59	
1,2,3-Trichlorobenzene	ug/kg	<55.7	250	03/31/21 10:59	
1,2,3-Trichloropropane	ug/kg	<24.3	50.0	03/31/21 10:59	
1,2,4-Trichlorobenzene	ug/kg	<41.2	250	03/31/21 10:59	
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	03/31/21 10:59	
1,2-Dibromo-3-chloropropane	ug/kg	<38.8	250	03/31/21 10:59	
1,2-Dibromoethane (EDB)	ug/kg	<13.7	50.0	03/31/21 10:59	
1,2-Dichlorobenzene	ug/kg	<15.5	50.0	03/31/21 10:59	
1,2-Dichloroethane	ug/kg	<11.5	50.0	03/31/21 10:59	
1,2-Dichloropropane	ug/kg	<11.9	50.0	03/31/21 10:59	
1,3,5-Trimethylbenzene	ug/kg	<16.1	50.0	03/31/21 10:59	
1,3-Dichlorobenzene	ug/kg	<13.7	50.0	03/31/21 10:59	
1,3-Dichloropropane	ug/kg	<10.9	50.0	03/31/21 10:59	
1,4-Dichlorobenzene	ug/kg	<13.7	50.0	03/31/21 10:59	
2,2-Dichloropropane	ug/kg	<13.5	50.0	03/31/21 10:59	
2-Chlorotoluene	ug/kg	<16.2	50.0	03/31/21 10:59	
4-Chlorotoluene	ug/kg	<19.0	50.0	03/31/21 10:59	
Benzene	ug/kg	<11.9	20.0	03/31/21 10:59	
Bromobenzene	ug/kg	<19.5	50.0	03/31/21 10:59	
Bromochloromethane	ug/kg	<13.7	50.0	03/31/21 10:59	
Bromodichloromethane	ug/kg	<11.9	50.0	03/31/21 10:59	
Bromoform	ug/kg	<220	250	03/31/21 10:59	
Bromomethane	ug/kg	<70.1	250	03/31/21 10:59	
Carbon tetrachloride	ug/kg	<11.0	50.0	03/31/21 10:59	
Chlorobenzene	ug/kg	<6.0	50.0	03/31/21 10:59	
Chloroethane	ug/kg	<21.1	250	03/31/21 10:59	
Chloroform	ug/kg	<35.8	250	03/31/21 10:59	
Chloromethane	ug/kg	<19.0	50.0	03/31/21 10:59	
cis-1,2-Dichloroethene	ug/kg	<10.7	50.0	03/31/21 10:59	
cis-1,3-Dichloropropene	ug/kg	<33.0	250	03/31/21 10:59	
Dibromochloromethane	ug/kg	<171	250	03/31/21 10:59	
Dibromomethane	ug/kg	<14.8	50.0	03/31/21 10:59	
Dichlorodifluoromethane	ug/kg	<21.5	50.0	03/31/21 10:59	
Diisopropyl ether	ug/kg	<12.4	50.0	03/31/21 10:59	

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QUALITY CONTROL DATA

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

METHOD BLANK: 2198148 Matrix: Solid
Associated Lab Samples: 40224112015, 40224112016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<11.9	50.0	03/31/21 10:59	
Hexachloro-1,3-butadiene	ug/kg	<99.4	250	03/31/21 10:59	
Isopropylbenzene (Cumene)	ug/kg	<13.5	50.0	03/31/21 10:59	
m&p-Xylene	ug/kg	<21.1	100	03/31/21 10:59	
Methyl-tert-butyl ether	ug/kg	<14.7	50.0	03/31/21 10:59	
Methylene Chloride	ug/kg	<13.9	50.0	03/31/21 10:59	
n-Butylbenzene	ug/kg	<22.9	50.0	03/31/21 10:59	
n-Propylbenzene	ug/kg	<12.0	50.0	03/31/21 10:59	
Naphthalene	ug/kg	<15.6	250	03/31/21 10:59	
o-Xylene	ug/kg	<15.0	50.0	03/31/21 10:59	
p-Isopropyltoluene	ug/kg	<15.2	50.0	03/31/21 10:59	
sec-Butylbenzene	ug/kg	<12.2	50.0	03/31/21 10:59	
Styrene	ug/kg	<12.8	50.0	03/31/21 10:59	
tert-Butylbenzene	ug/kg	<15.7	50.0	03/31/21 10:59	
Tetrachloroethene	ug/kg	<19.4	50.0	03/31/21 10:59	
Toluene	ug/kg	<12.6	50.0	03/31/21 10:59	
trans-1,2-Dichloroethene	ug/kg	<10.8	50.0	03/31/21 10:59	
trans-1,3-Dichloropropene	ug/kg	<143	250	03/31/21 10:59	
Trichloroethene	ug/kg	<18.7	50.0	03/31/21 10:59	
Trichlorofluoromethane	ug/kg	<14.5	50.0	03/31/21 10:59	
Vinyl chloride	ug/kg	<10.1	50.0	03/31/21 10:59	
Xylene (Total)	ug/kg	<36.1	150	03/31/21 10:59	
1,2-Dichlorobenzene-d4 (S)	%	97	82-158	03/31/21 10:59	
4-Bromofluorobenzene (S)	%	100	66-153	03/31/21 10:59	
Toluene-d8 (S)	%	90	67-159	03/31/21 10:59	

LABORATORY CONTROL SAMPLE: 2198149

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2750	110	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2430	97	65-129	
1,1,2-Trichloroethane	ug/kg	2500	2480	99	70-130	
1,1-Dichloroethane	ug/kg	2500	2650	106	70-130	
1,1-Dichloroethene	ug/kg	2500	2670	107	67-120	
1,2,4-Trichlorobenzene	ug/kg	2500	2220	89	64-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2510	100	57-119	
1,2-Dibromoethane (EDB)	ug/kg	2500	2510	100	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2210	88	70-130	
1,2-Dichloroethane	ug/kg	2500	3110	124	70-130	
1,2-Dichloropropane	ug/kg	2500	2370	95	72-118	
1,3-Dichlorobenzene	ug/kg	2500	2290	92	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2260	90	70-130	
Benzene	ug/kg	2500	2330	93	70-130	
Bromodichloromethane	ug/kg	2500	2840	114	70-130	

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QUALITY CONTROL DATA

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

LABORATORY CONTROL SAMPLE: 2198149

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/kg	2500	2900	116	66-130	
Bromomethane	ug/kg	2500	2180	87	13-153	
Carbon tetrachloride	ug/kg	2500	2850	114	73-134	
Chlorobenzene	ug/kg	2500	2470	99	70-130	
Chloroethane	ug/kg	2500	2310	92	19-170	
Chloroform	ug/kg	2500	2630	105	79-120	
Chloromethane	ug/kg	2500	2700	108	45-117	
cis-1,2-Dichloroethene	ug/kg	2500	2430	97	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2530	101	68-130	
Dibromochloromethane	ug/kg	2500	2730	109	70-130	
Dichlorodifluoromethane	ug/kg	2500	2110	85	15-135	
Ethylbenzene	ug/kg	2500	2600	104	78-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2570	103	70-130	
m&p-Xylene	ug/kg	5000	5000	100	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2700	108	65-130	
Methylene Chloride	ug/kg	2500	2010	80	70-130	
o-Xylene	ug/kg	2500	2640	106	70-130	
Styrene	ug/kg	2500	2670	107	70-130	
Tetrachloroethene	ug/kg	2500	2380	95	70-130	
Toluene	ug/kg	2500	2400	96	76-120	
trans-1,2-Dichloroethene	ug/kg	2500	2330	93	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2640	105	70-130	
Trichloroethene	ug/kg	2500	2560	102	70-130	
Trichlorofluoromethane	ug/kg	2500	2850	114	49-153	
Vinyl chloride	ug/kg	2500	2550	102	58-121	
Xylene (Total)	ug/kg	7500	7640	102	70-130	
1,2-Dichlorobenzene-d4 (S)	%			102	82-158	
4-Bromofluorobenzene (S)	%			104	66-153	
Toluene-d8 (S)	%			92	67-159	

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QUALITY CONTROL DATA

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

QC Batch: 381088
QC Batch Method: EPA 3541
Analysis Method: EPA 8082
Analysis Description: 8082 GCS PCB
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40224112001, 40224112003, 40224112005, 40224112007, 40224112009, 40224112011, 40224112013, 40224112015

METHOD BLANK: 2197991
Matrix: Solid
Associated Lab Samples: 40224112001, 40224112003, 40224112005, 40224112007, 40224112009, 40224112011, 40224112013, 40224112015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<15.2	50.0	03/31/21 10:40	
PCB-1221 (Aroclor 1221)	ug/kg	<15.2	50.0	03/31/21 10:40	
PCB-1232 (Aroclor 1232)	ug/kg	<15.2	50.0	03/31/21 10:40	
PCB-1242 (Aroclor 1242)	ug/kg	<15.2	50.0	03/31/21 10:40	
PCB-1248 (Aroclor 1248)	ug/kg	<15.2	50.0	03/31/21 10:40	
PCB-1254 (Aroclor 1254)	ug/kg	<15.2	50.0	03/31/21 10:40	
PCB-1260 (Aroclor 1260)	ug/kg	<15.2	50.0	03/31/21 10:40	
Decachlorobiphenyl (S)	%	91	47-114	03/31/21 10:40	
Tetrachloro-m-xylene (S)	%	90	67-102	03/31/21 10:40	

LABORATORY CONTROL SAMPLE: 2197992

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<15.2			
PCB-1221 (Aroclor 1221)	ug/kg		<15.2			
PCB-1232 (Aroclor 1232)	ug/kg		<15.2			
PCB-1242 (Aroclor 1242)	ug/kg		<15.2			
PCB-1248 (Aroclor 1248)	ug/kg		<15.2			
PCB-1254 (Aroclor 1254)	ug/kg		<15.2			
PCB-1260 (Aroclor 1260)	ug/kg	500	409	82	69-115	
Decachlorobiphenyl (S)	%			89	47-114	
Tetrachloro-m-xylene (S)	%			89	67-102	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2197993 2197994

Parameter	Units	40224112005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	<18.9			<18.9	<18.9					20	
PCB-1221 (Aroclor 1221)	ug/kg	<18.9			<18.9	<18.9					20	
PCB-1232 (Aroclor 1232)	ug/kg	<18.9			<18.9	<18.9					20	
PCB-1242 (Aroclor 1242)	ug/kg	<18.9			<18.9	<18.9					20	
PCB-1248 (Aroclor 1248)	ug/kg	<18.9			<18.9	<18.9					20	
PCB-1254 (Aroclor 1254)	ug/kg	<18.9			<18.9	<18.9					20	
PCB-1260 (Aroclor 1260)	ug/kg	<18.9	621	621	490	497	79	80	45-120	1	20	
Decachlorobiphenyl (S)	%						84	87	47-114			
Tetrachloro-m-xylene (S)	%						82	84	67-102			

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QUALITY CONTROL DATA

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

QC Batch: 381244
QC Batch Method: EPA 3546
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E/3546 MSSV PAH by SIM
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40224112003, 40224112004, 40224112005, 40224112006, 40224112007, 40224112008, 40224112009, 40224112010, 40224112011, 40224112012, 40224112013, 40224112014, 40224112015, 40224112016

METHOD BLANK: 2198690
Matrix: Solid
Associated Lab Samples: 40224112003, 40224112004, 40224112005, 40224112006, 40224112007, 40224112008, 40224112009, 40224112010, 40224112011, 40224112012, 40224112013, 40224112014, 40224112015, 40224112016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<2.4	16.7	04/02/21 08:44	
2-Methylnaphthalene	ug/kg	<2.4	16.7	04/02/21 08:44	
Acenaphthene	ug/kg	<2.2	16.7	04/02/21 08:44	
Acenaphthylene	ug/kg	<2.1	16.7	04/02/21 08:44	
Anthracene	ug/kg	<2.1	16.7	04/02/21 08:44	
Benzo(a)anthracene	ug/kg	<2.2	16.7	04/02/21 08:44	
Benzo(a)pyrene	ug/kg	<1.9	16.7	04/02/21 08:44	
Benzo(b)fluoranthene	ug/kg	<2.3	16.7	04/02/21 08:44	
Benzo(g,h,i)perylene	ug/kg	<2.9	16.7	04/02/21 08:44	
Benzo(k)fluoranthene	ug/kg	<2.1	16.7	04/02/21 08:44	
Chrysene	ug/kg	<3.1	16.7	04/02/21 08:44	
Dibenz(a,h)anthracene	ug/kg	<2.3	16.7	04/02/21 08:44	
Fluoranthene	ug/kg	<2.0	16.7	04/02/21 08:44	
Fluorene	ug/kg	<2.0	16.7	04/02/21 08:44	
Indeno(1,2,3-cd)pyrene	ug/kg	<3.5	16.7	04/02/21 08:44	
Naphthalene	ug/kg	2.7J	16.7	04/02/21 08:44	
Phenanthrene	ug/kg	<1.9	16.7	04/02/21 08:44	
Pyrene	ug/kg	<2.5	16.7	04/02/21 08:44	
2-Fluorobiphenyl (S)	%	74	17-100	04/02/21 08:44	
Terphenyl-d14 (S)	%	94	17-98	04/02/21 08:44	

LABORATORY CONTROL SAMPLE: 2198691

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	334	247	74	58-101	
2-Methylnaphthalene	ug/kg	334	272	82	59-101	
Acenaphthene	ug/kg	334	259	78	62-97	
Acenaphthylene	ug/kg	334	258	77	67-102	
Anthracene	ug/kg	334	281	84	69-120	
Benzo(a)anthracene	ug/kg	334	262	79	59-101	
Benzo(a)pyrene	ug/kg	334	242	72	70-110	
Benzo(b)fluoranthene	ug/kg	334	259	78	66-111	
Benzo(g,h,i)perylene	ug/kg	334	279	84	64-106	
Benzo(k)fluoranthene	ug/kg	334	304	91	65-108	
Chrysene	ug/kg	334	283	85	61-102	
Dibenz(a,h)anthracene	ug/kg	334	264	79	64-120	
Fluoranthene	ug/kg	334	284	85	69-120	

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QUALITY CONTROL DATA

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

LABORATORY CONTROL SAMPLE: 2198691

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluorene	ug/kg	334	266	80	70-99	
Indeno(1,2,3-cd)pyrene	ug/kg	334	280	84	66-120	
Naphthalene	ug/kg	334	254	76	60-95	
Phenanthrene	ug/kg	334	267	80	66-98	
Pyrene	ug/kg	334	282	84	63-120	
2-Fluorobiphenyl (S)	%			76	17-100	
Terphenyl-d14 (S)	%			84	17-98	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2198692 2198693

Parameter	Units	40224112005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	<3.0	415	415	296	296	71	71	48-101	0	25	
2-Methylnaphthalene	ug/kg	<3.0	415	415	329	330	79	79	46-101	0	21	
Acenaphthene	ug/kg	<2.7	415	415	312	313	75	76	52-97	1	20	
Acenaphthylene	ug/kg	<2.6	415	415	314	315	76	76	51-102	0	20	
Anthracene	ug/kg	<2.6	415	415	330	332	80	80	54-120	1	20	
Benzo(a)anthracene	ug/kg	<2.7	415	415	300	310	72	74	34-101	3	22	
Benzo(a)pyrene	ug/kg	<2.4	415	415	326	283	79	68	46-110	14	25	
Benzo(b)fluoranthene	ug/kg	<2.9	415	415	312	303	75	73	40-111	3	23	
Benzo(g,h,i)perylene	ug/kg	<3.6	415	415	326	329	79	79	40-120	1	24	
Benzo(k)fluoranthene	ug/kg	<2.7	415	415	348	356	84	86	47-108	2	24	
Chrysene	ug/kg	<3.9	415	415	327	326	79	78	35-115	0	20	
Dibenz(a,h)anthracene	ug/kg	<2.9	415	415	326	326	79	79	46-120	0	21	
Fluoranthene	ug/kg	<2.5	415	415	332	336	79	80	52-120	1	23	
Fluorene	ug/kg	<2.5	415	415	319	320	77	77	54-99	0	20	
Indeno(1,2,3-cd)pyrene	ug/kg	<4.3	415	415	328	332	79	80	46-120	1	22	
Naphthalene	ug/kg	4.9J	415	415	310	305	74	72	46-95	2	23	
Phenanthrene	ug/kg	<2.4	415	415	312	317	75	76	51-98	2	20	
Pyrene	ug/kg	<3.1	415	415	302	306	72	73	46-120	1	24	
2-Fluorobiphenyl (S)	%						74	71	17-100			
Terphenyl-d14 (S)	%						78	75	17-98			

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QUALITY CONTROL DATA

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

QC Batch: 381348
QC Batch Method: EPA 3546
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E/3546 MSSV PAH by SIM
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40224112001, 40224112002

METHOD BLANK: 2199290
Matrix: Solid
Associated Lab Samples: 40224112001, 40224112002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<2.4	16.7	04/02/21 10:34	
2-Methylnaphthalene	ug/kg	<2.4	16.7	04/02/21 10:34	
Acenaphthene	ug/kg	<2.2	16.7	04/02/21 10:34	
Acenaphthylene	ug/kg	<2.1	16.7	04/02/21 10:34	
Anthracene	ug/kg	<2.1	16.7	04/02/21 10:34	
Benzo(a)anthracene	ug/kg	<2.2	16.7	04/02/21 10:34	
Benzo(a)pyrene	ug/kg	<1.9	16.7	04/02/21 10:34	
Benzo(b)fluoranthene	ug/kg	<2.3	16.7	04/02/21 10:34	
Benzo(g,h,i)perylene	ug/kg	<2.9	16.7	04/02/21 10:34	
Benzo(k)fluoranthene	ug/kg	<2.1	16.7	04/02/21 10:34	
Chrysene	ug/kg	<3.2	16.7	04/02/21 10:34	
Dibenz(a,h)anthracene	ug/kg	<2.3	16.7	04/02/21 10:34	
Fluoranthene	ug/kg	<2.0	16.7	04/02/21 10:34	
Fluorene	ug/kg	<2.0	16.7	04/02/21 10:34	
Indeno(1,2,3-cd)pyrene	ug/kg	<3.5	16.7	04/02/21 10:34	
Naphthalene	ug/kg	2.1J	16.7	04/02/21 10:34	
Phenanthrene	ug/kg	<1.9	16.7	04/02/21 10:34	
Pyrene	ug/kg	<2.5	16.7	04/02/21 10:34	
2-Fluorobiphenyl (S)	%	78	17-100	04/02/21 10:34	
Terphenyl-d14 (S)	%	102	17-98	04/02/21 10:34	S3

LABORATORY CONTROL SAMPLE: 2199291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	233	70	58-101	
2-Methylnaphthalene	ug/kg	333	258	77	59-101	
Acenaphthene	ug/kg	333	253	76	62-97	
Acenaphthylene	ug/kg	333	254	76	67-102	
Anthracene	ug/kg	333	281	84	69-120	
Benzo(a)anthracene	ug/kg	333	269	81	59-101	
Benzo(a)pyrene	ug/kg	333	275	83	70-110	
Benzo(b)fluoranthene	ug/kg	333	262	79	66-111	
Benzo(g,h,i)perylene	ug/kg	333	290	87	64-106	
Benzo(k)fluoranthene	ug/kg	333	320	96	65-108	
Chrysene	ug/kg	333	285	86	61-102	
Dibenz(a,h)anthracene	ug/kg	333	289	87	64-120	
Fluoranthene	ug/kg	333	287	86	69-120	
Fluorene	ug/kg	333	265	79	70-99	
Indeno(1,2,3-cd)pyrene	ug/kg	333	294	88	66-120	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

LABORATORY CONTROL SAMPLE: 2199291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	333	239	72	60-95	
Phenanthrene	ug/kg	333	264	79	66-98	
Pyrene	ug/kg	333	286	86	63-120	
2-Fluorobiphenyl (S)	%			74	17-100	
Terphenyl-d14 (S)	%			86	17-98	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2199292 2199293

Parameter	Units	40224127004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	<19.5	390	389	276	286	68	71	48-101	4	22	
2-Methylnaphthalene	ug/kg	<19.5	390	389	323	335	78	81	46-101	3	20	
Acenaphthene	ug/kg	<19.5	390	389	293	290	75	74	52-97	1	28	
Acenaphthylene	ug/kg	<19.5	390	389	309	309	78	78	51-102	0	27	
Anthracene	ug/kg	<19.5	390	389	324	311	81	78	54-120	4	32	
Benzo(a)anthracene	ug/kg	37.6	390	389	362	367	83	85	34-101	1	22	
Benzo(a)pyrene	ug/kg	34.9	390	389	338	338	78	78	46-110	0	22	
Benzo(b)fluoranthene	ug/kg	52.8	390	389	383	431	85	97	40-111	12	22	
Benzo(g,h,i)perylene	ug/kg	21.4	390	389	283	340	67	82	40-120	18	23	
Benzo(k)fluoranthene	ug/kg	<19.5	390	389	337	295	82	71	47-108	13	31	
Chrysene	ug/kg	33.4	390	389	317	324	73	75	35-115	2	20	
Dibenz(a,h)anthracene	ug/kg	<19.5	390	389	295	297	74	74	46-120	1	20	
Fluoranthene	ug/kg	69.3	390	389	420	453	90	98	52-120	7	20	
Fluorene	ug/kg	<19.5	390	389	310	303	79	77	54-99	2	28	
Indeno(1,2,3-cd)pyrene	ug/kg	<19.5	390	389	302	331	73	80	46-120	9	20	
Naphthalene	ug/kg	<19.5	390	389	278	306	67	74	46-95	10	20	
Phenanthrene	ug/kg	27.2	390	389	363	368	86	87	51-98	1	28	
Pyrene	ug/kg	58.6	390	389	362	390	78	85	46-120	8	30	
2-Fluorobiphenyl (S)	%						68	73	17-100			
Terphenyl-d14 (S)	%						73	78	17-98			

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(920)469-2436

QUALITY CONTROL DATA

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

QC Batch:	380828	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40224112001, 40224112002, 40224112003, 40224112004, 40224112005, 40224112006, 40224112007, 40224112008, 40224112009, 40224112010, 40224112011, 40224112012, 40224112013, 40224112014, 40224112015, 40224112016

SAMPLE DUPLICATE: 2196893

Parameter	Units	40224112009 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.7	20.1	3	10	

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QUALIFIERS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40224112001	**SP-1 (9-10')**	EPA 3541	381088	EPA 8082	381090
40224112003	**SP-2 (1-2')**	EPA 3541	381088	EPA 8082	381090
40224112005	**SP-3 (1-2')**	EPA 3541	381088	EPA 8082	381090
40224112007	**SP-4 (1-2')**	EPA 3541	381088	EPA 8082	381090
40224112009	**SP-5 (1-2')**	EPA 3541	381088	EPA 8082	381090
40224112011	**SP-6 (2-3')**	EPA 3541	381088	EPA 8082	381090
40224112013	**SP-7 (1-2')**	EPA 3541	381088	EPA 8082	381090
40224112015	**SP-8 (1-2')**	EPA 3541	381088	EPA 8082	381090
40224112001	**SP-1 (9-10')**	EPA 3050	380884	EPA 6010	381060
40224112002	**SP-1 (13-14')**	EPA 3050	380884	EPA 6010	381060
40224112003	**SP-2 (1-2')**	EPA 3050	380884	EPA 6010	381060
40224112004	**SP-2 (9-10')**	EPA 3050	380884	EPA 6010	381060
40224112005	**SP-3 (1-2')**	EPA 3050	380884	EPA 6010	381060
40224112006	**SP-3 (14-15')**	EPA 3050	380884	EPA 6010	381060
40224112007	**SP-4 (1-2')**	EPA 3050	380884	EPA 6010	381060
40224112008	**SP-4 (13-14')**	EPA 3050	380884	EPA 6010	381060
40224112009	**SP-5 (1-2')**	EPA 3050	380884	EPA 6010	381060
40224112010	**SP-5 (6-7')**	EPA 3050	380884	EPA 6010	381060
40224112011	**SP-6 (2-3')**	EPA 3050	380884	EPA 6010	381060
40224112012	**SP-6 (4.5-5.5')**	EPA 3050	380884	EPA 6010	381060
40224112013	**SP-7 (1-2')**	EPA 3050	380884	EPA 6010	381060
40224112014	**SP-7 (5-6')**	EPA 3050	380884	EPA 6010	381060
40224112015	**SP-8 (1-2')**	EPA 3050	380884	EPA 6010	381060
40224112016	**SP-8 (5-6')**	EPA 3050	380884	EPA 6010	381060
40224112001	**SP-1 (9-10')**	EPA 3546	381348	EPA 8270E by SIM	381377
40224112002	**SP-1 (13-14')**	EPA 3546	381348	EPA 8270E by SIM	381377
40224112003	**SP-2 (1-2')**	EPA 3546	381244	EPA 8270E by SIM	381295
40224112004	**SP-2 (9-10')**	EPA 3546	381244	EPA 8270E by SIM	381295
40224112005	**SP-3 (1-2')**	EPA 3546	381244	EPA 8270E by SIM	381295
40224112006	**SP-3 (14-15')**	EPA 3546	381244	EPA 8270E by SIM	381295
40224112007	**SP-4 (1-2')**	EPA 3546	381244	EPA 8270E by SIM	381295
40224112008	**SP-4 (13-14')**	EPA 3546	381244	EPA 8270E by SIM	381295
40224112009	**SP-5 (1-2')**	EPA 3546	381244	EPA 8270E by SIM	381295
40224112010	**SP-5 (6-7')**	EPA 3546	381244	EPA 8270E by SIM	381295
40224112011	**SP-6 (2-3')**	EPA 3546	381244	EPA 8270E by SIM	381295
40224112012	**SP-6 (4.5-5.5')**	EPA 3546	381244	EPA 8270E by SIM	381295
40224112013	**SP-7 (1-2')**	EPA 3546	381244	EPA 8270E by SIM	381295
40224112014	**SP-7 (5-6')**	EPA 3546	381244	EPA 8270E by SIM	381295
40224112015	**SP-8 (1-2')**	EPA 3546	381244	EPA 8270E by SIM	381295
40224112016	**SP-8 (5-6')**	EPA 3546	381244	EPA 8270E by SIM	381295
40224112001	**SP-1 (9-10')**	EPA 5035/5030B	381030	EPA 8260	381031
40224112002	**SP-1 (13-14')**	EPA 5035/5030B	381030	EPA 8260	381031
40224112003	**SP-2 (1-2')**	EPA 5035/5030B	381030	EPA 8260	381031
40224112004	**SP-2 (9-10')**	EPA 5035/5030B	381030	EPA 8260	381031
40224112005	**SP-3 (1-2')**	EPA 5035/5030B	381030	EPA 8260	381031
40224112006	**SP-3 (14-15')**	EPA 5035/5030B	381030	EPA 8260	381031
40224112007	**SP-4 (1-2')**	EPA 5035/5030B	381030	EPA 8260	381031

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224112

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40224112008	**SP-4 (13-14')**	EPA 5035/5030B	381030	EPA 8260	381031
40224112009	**SP-5 (1-2')**	EPA 5035/5030B	381030	EPA 8260	381031
40224112010	**SP-5 (6-7')**	EPA 5035/5030B	381030	EPA 8260	381031
40224112011	**SP-6 (2-3')**	EPA 5035/5030B	381030	EPA 8260	381031
40224112012	**SP-6 (4.5-5.5')**	EPA 5035/5030B	381030	EPA 8260	381031
40224112013	**SP-7 (1-2')**	EPA 5035/5030B	381030	EPA 8260	381031
40224112014	**SP-7 (5-6')**	EPA 5035/5030B	381030	EPA 8260	381031
40224112015	**SP-8 (1-2')**	EPA 5035/5030B	381136	EPA 8260	381139
40224112016	**SP-8 (5-6')**	EPA 5035/5030B	381136	EPA 8260	381139
40224112017	**TRIP BLANK**	EPA 5035/5030B	381030	EPA 8260	381031
40224112001	**SP-1 (9-10')**	ASTM D2974-87	380828		
40224112002	**SP-1 (13-14')**	ASTM D2974-87	380828		
40224112003	**SP-2 (1-2')**	ASTM D2974-87	380828		
40224112004	**SP-2 (9-10')**	ASTM D2974-87	380828		
40224112005	**SP-3 (1-2')**	ASTM D2974-87	380828		
40224112006	**SP-3 (14-15')**	ASTM D2974-87	380828		
40224112007	**SP-4 (1-2')**	ASTM D2974-87	380828		
40224112008	**SP-4 (13-14')**	ASTM D2974-87	380828		
40224112009	**SP-5 (1-2')**	ASTM D2974-87	380828		
40224112010	**SP-5 (6-7')**	ASTM D2974-87	380828		
40224112011	**SP-6 (2-3')**	ASTM D2974-87	380828		
40224112012	**SP-6 (4.5-5.5')**	ASTM D2974-87	380828		
40224112013	**SP-7 (1-2')**	ASTM D2974-87	380828		
40224112014	**SP-7 (5-6')**	ASTM D2974-87	380828		
40224112015	**SP-8 (1-2')**	ASTM D2974-87	380828		
40224112016	**SP-8 (5-6')**	ASTM D2974-87	380828		

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

COC No. 40224112

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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:	AECOM
Branch/Location:	Milwaukee
Project Contact:	Lanette Altenbach
Phone:	414-944-6186
Project Number:	60644072.2
Project Name:	WAM PhII-Staughton
Project State:	WI
Sampled By (Print):	Leslie Bychinski
Sampled By (Sign):	[signature]
PO #:	
Regulatory Program:	WDNR

Quote #:	WAM Contract Pricing
Mail To Contact:	Lanette Altenbach
Mail To Company:	AECOM
Mail To Address:	1555 N RiverCenter Dr, Ste 214 Milwaukee, WI 53212
Invoice To Contact:	Lanette Altenbach
Invoice To Company:	AECOM
Invoice To Address:	1555 N RiverCenter Dr, Ste 214 Milwaukee, WI 53212
Invoice To Phone:	-

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	VOCs	PAHs	Lead, % moisture	PCBs	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
FILTERED? (YES/NO)					N	N	N	N			
PRESERVATION (CODE)*					F	A	A	A			
001	SP-1 (9-10')	3/26/21	1005	S	2	1	1	1			
002	SP-1 (13-14')		1010	S	2	1	1				
003	SP-2 (1-2')		0910	S	2	1	1	1			
004	SP-2 (9-10')		0927	S	2	1	1				
005	SP-3 (1-2')		1051	S	6	3	3	3	BQC		
006	SP-3 (14-15')		1105	S	2	1	1				
007	SP-4 (1-2')		1145	S	2	1	1	1			
008	SP-4 (13-14')		1150	S	2	1	1				
009	SP-5 (1-2')		1208	S	2	1	1	1			
010	SP-5 (6-7')		1211	S	2	1	1				
011	SP-6 (2-3')		1255	S	2	1	1	1			
012	SP-6 (4.5-5.5)	3/26/21	~~1235~~	S	2	1	1		SP-6(4.5-5.5) 1300		
013	SP-7 (1-2')	↓	1230	S	2	1	1	1			

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:
Leslie Bychinski AECOM	3/26/21 1800		
C.S logistics	3/27/21 0835	[signature] Pace	3/27/21 0835

PACE Project No. 40224112

Receipt Temp = .5 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

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

COC No. 40224112

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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:	AECOM
Branch/Location:	Milwaukee
Project Contact:	Lanette Altenbach
Phone:	414-944-6186
Project Number:	60644072.2
Project Name:	WAM PhII-Stoughton
Project State:	WI
Sampled By (Print):	Leslie Bychinski
Sampled By (Sign):	Leslie Bychinski
PO #:	
Regulatory Program:	WDNR

Quote #:	WAM Contract Pricing
Mail To Contact:	Lanette Altenbach
Mail To Company:	AECOM
Mail To Address:	1555 N RiverCenter Dr, Ste 214 Milwaukee, WI 53212
Invoice To Contact:	Lanette Altenbach
Invoice To Company:	AECOM
Invoice To Address:	1555 N RiverCenter Dr, Ste 214 Milwaukee, WI 53212
Invoice To Phone:	-

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	VOCs	PAHs	Lead, % moisture	PCBs	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
FILTERED? (YES/NO)					N	N	N	N			
PRESERVATION (CODE)*					F	A	A	A			
014	SP-7 (5-6')	3/26/21	1235	S	2	1	1	1			
015	SP-8 (1-2')	↓	1318	S	2	1	1	1			
016	SP-8 (5-6')	↓	1325	S	2	1	1				
017	Trip Blank	↓	0705		2						

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:
Leslie Bychinski AECOM	3/26/21 1800		
C.S logistics	3/27/21 0835	[signature] PACE	3/27/21 0835

PACE Project No. 40224112
Receipt Temp = .5 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

Sample Preservation Receipt Form

Client Name: Aecom

Project # 40224112

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

Lab Lot# of pH paper:

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

Initial when completed:

Date/ Time:

Pace Lab #	Glass								Plastic					Vials						Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN							
001																		2		2			1										2.5 / 5 / 10
002																		2		1			1										2.5 / 5 / 10
003																		2		2			1										2.5 / 5 / 10
004																		2		1			1										2.5 / 5 / 10
005																		6		6			3										2.5 / 5 / 10
006																		2		1			1										2.5 / 5 / 10
007																		2		2			1										2.5 / 5 / 10
008																		2		1			1										2.5 / 5 / 10
009																		2		2			1										2.5 / 5 / 10
010																		2		1			1										2.5 / 5 / 10
011																		2		2			1										2.5 / 5 / 10
012																		2		1			1										2.5 / 5 / 10
013																		2		2			1										2.5 / 5 / 10
014																		2		1			1										2.5 / 5 / 10
015																		2		2			1										2.5 / 5 / 10
016																		2		1			1										2.5 / 5 / 10
017																		2											3/27/21				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)

Project #: WO#: 40224112

40224112

Client Name: Aecom

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

Cooler Temperature Uncorr: 2 /Corr: 1.5

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: 3/27/21 /Initials: [illegible]
Labeled By Initials: UC

Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No	5.
- VOA Samples frozen upon receipt	☐ Yes ☐ No	Date/Time:
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No	6.
Rush Turn Around Time Requested:	☐ Yes ☒ No	7.
Sufficient Volume: For Analysis: ☒ Yes ☐ No MS/MSD:	☒ Yes ☐ No ☐ N/A	8.
Correct Containers Used:	☒ Yes ☐ No	9.
-Pace Containers Used:	☒ Yes ☐ No ☐ N/A	
-Pace IR Containers Used:	☐ Yes ☐ No ☒ N/A	
Containers Intact:	☒ Yes ☐ No	10.
Filtered volume received for Dissolved tests	☐ Yes ☐ No ☒ N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: S	☐ Yes ☒ No ☐ N/A	12. 008ID - "SP-4 (14-15')" 3/27/21
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	13.
Trip Blank Custody Seals Present	☒ Yes ☐ No ☐ N/A	
Pace Trip Blank Lot # (if purchased): B104602VB		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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

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

April 01, 2021

Lanette Altenbach
AECOM, Inc.
1555 N River Center Drive
Suite 214
Milwaukee, WI 53212

RE: Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224117

Dear Lanette Altenbach:

Enclosed are the analytical results for sample(s) received by the laboratory on March 27, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,

Christopher Hyska

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

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CERTIFICATIONS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224117

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

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SAMPLE SUMMARY

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224117

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40224117001	**SP-1**	Water	03/26/21 14:57	03/27/21 08:35
40224117002	**SP-4**	Water	03/26/21 14:10	03/27/21 08:35
40224117003	**SP-5**	Water	03/26/21 14:20	03/27/21 08:35
40224117004	**SP-7**	Water	03/26/21 14:40	03/27/21 08:35
40224117005	**TRIP BLANK**	Water	03/26/21 07:00	03/27/21 08:35
40224117006	**SP-5 DUP**	Water	03/26/21 14:25	03/27/21 08:35

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SAMPLE ANALYTE COUNT

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224117

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40224117001	**SP-1**	EPA 8260	HNW	65	PASI-G
40224117002	**SP-4**	EPA 8260	HNW	65	PASI-G
40224117003	**SP-5**	EPA 8260	HNW	65	PASI-G
40224117004	**SP-7**	EPA 8260	HNW	65	PASI-G
40224117005	**TRIP BLANK**	EPA 8260	HNW	65	PASI-G
40224117006	**SP-5 DUP**	EPA 8260	HNW	65	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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SUMMARY OF DETECTION

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224117

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40224117001	**SP-1**					
EPA 8260	Trichlorofluoromethane	2.7	ug/L	1.0	03/31/21 11:26	
40224117003	**SP-5**					
EPA 8260	Benzene	0.32J	ug/L	1.0	03/31/21 12:08	
EPA 8260	Ethylbenzene	0.37J	ug/L	1.1	03/31/21 12:08	
EPA 8260	Toluene	0.88J	ug/L	1.0	03/31/21 12:08	
40224117004	**SP-7**					
EPA 8260	Toluene	0.48J	ug/L	1.0	03/31/21 12:30	
40224117006	**SP-5 DUP**					
EPA 8260	Benzene	0.31J	ug/L	1.0	03/31/21 12:51	
EPA 8260	Ethylbenzene	0.34J	ug/L	1.1	03/31/21 12:51	
EPA 8260	Toluene	0.83J	ug/L	1.0	03/31/21 12:51	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224117

Sample: SP-1 **Lab ID: 40224117001** Collected: 03/26/21 14:57 Received: 03/27/21 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Benzene	**<0.25**	ug/L	1.0	0.25	1		03/31/21 11:26	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		03/31/21 11:26	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		03/31/21 11:26	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		03/31/21 11:26	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		03/31/21 11:26	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		03/31/21 11:26	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		03/31/21 11:26	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		03/31/21 11:26	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		03/31/21 11:26	98-06-6	
Carbon tetrachloride	**<1.1**	ug/L	3.6	1.1	1		03/31/21 11:26	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		03/31/21 11:26	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		03/31/21 11:26	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		03/31/21 11:26	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		03/31/21 11:26	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		03/31/21 11:26	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		03/31/21 11:26	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		03/31/21 11:26	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		03/31/21 11:26	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		03/31/21 11:26	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		03/31/21 11:26	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		03/31/21 11:26	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		03/31/21 11:26	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		03/31/21 11:26	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		03/31/21 11:26	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		03/31/21 11:26	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		03/31/21 11:26	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		03/31/21 11:26	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		03/31/21 11:26	156-59-2	
trans-1,2-Dichloroethene	**<0.46**	ug/L	1.5	0.46	1		03/31/21 11:26	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		03/31/21 11:26	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		03/31/21 11:26	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		03/31/21 11:26	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		03/31/21 11:26	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		03/31/21 11:26	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		03/31/21 11:26	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		03/31/21 11:26	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		03/31/21 11:26	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		03/31/21 11:26	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		03/31/21 11:26	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		03/31/21 11:26	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		03/31/21 11:26	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		03/31/21 11:26	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		03/31/21 11:26	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		03/31/21 11:26	103-65-1	
Styrene	**<3.0**	ug/L	10.0	3.0	1		03/31/21 11:26	100-42-5	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224117

Sample: SP-1 **Lab ID: 40224117001** Collected: 03/26/21 14:57 Received: 03/27/21 08:35 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		03/31/21 11:26	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		03/31/21 11:26	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		03/31/21 11:26	127-18-4	
Toluene	**<0.27**	ug/L	1.0	0.27	1		03/31/21 11:26	108-88-3	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		03/31/21 11:26	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		03/31/21 11:26	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		03/31/21 11:26	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		03/31/21 11:26	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		03/31/21 11:26	79-01-6	
Trichlorofluoromethane	**2.7**	ug/L	1.0	0.21	1		03/31/21 11:26	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		03/31/21 11:26	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		03/31/21 11:26	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		03/31/21 11:26	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		03/31/21 11:26	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		03/31/21 11:26	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		03/31/21 11:26	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		03/31/21 11:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		03/31/21 11:26	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		03/31/21 11:26	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		03/31/21 11:26	2037-26-5	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224117

Sample: SP-4 **Lab ID: 40224117002** Collected: 03/26/21 14:10 Received: 03/27/21 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Benzene	**<0.25**	ug/L	1.0	0.25	1		03/31/21 11:47	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		03/31/21 11:47	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		03/31/21 11:47	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		03/31/21 11:47	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		03/31/21 11:47	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		03/31/21 11:47	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		03/31/21 11:47	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		03/31/21 11:47	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		03/31/21 11:47	98-06-6	
Carbon tetrachloride	**<1.1**	ug/L	3.6	1.1	1		03/31/21 11:47	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		03/31/21 11:47	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		03/31/21 11:47	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		03/31/21 11:47	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		03/31/21 11:47	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		03/31/21 11:47	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		03/31/21 11:47	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		03/31/21 11:47	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		03/31/21 11:47	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		03/31/21 11:47	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		03/31/21 11:47	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		03/31/21 11:47	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		03/31/21 11:47	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		03/31/21 11:47	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		03/31/21 11:47	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		03/31/21 11:47	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		03/31/21 11:47	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		03/31/21 11:47	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		03/31/21 11:47	156-59-2	
trans-1,2-Dichloroethene	**<0.46**	ug/L	1.5	0.46	1		03/31/21 11:47	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		03/31/21 11:47	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		03/31/21 11:47	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		03/31/21 11:47	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		03/31/21 11:47	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		03/31/21 11:47	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		03/31/21 11:47	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		03/31/21 11:47	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		03/31/21 11:47	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		03/31/21 11:47	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		03/31/21 11:47	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		03/31/21 11:47	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		03/31/21 11:47	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		03/31/21 11:47	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		03/31/21 11:47	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		03/31/21 11:47	103-65-1	
Styrene	**<3.0**	ug/L	10.0	3.0	1		03/31/21 11:47	100-42-5	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224117

Sample: SP-4 **Lab ID: 40224117002** Collected: 03/26/21 14:10 Received: 03/27/21 08:35 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		03/31/21 11:47	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		03/31/21 11:47	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		03/31/21 11:47	127-18-4	
Toluene	**<0.27**	ug/L	1.0	0.27	1		03/31/21 11:47	108-88-3	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		03/31/21 11:47	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		03/31/21 11:47	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		03/31/21 11:47	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		03/31/21 11:47	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		03/31/21 11:47	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		03/31/21 11:47	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		03/31/21 11:47	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		03/31/21 11:47	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		03/31/21 11:47	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		03/31/21 11:47	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		03/31/21 11:47	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		03/31/21 11:47	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		03/31/21 11:47	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		03/31/21 11:47	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		03/31/21 11:47	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		03/31/21 11:47	2037-26-5	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224117

Sample: SP-5 **Lab ID: 40224117003** Collected: 03/26/21 14:20 Received: 03/27/21 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Benzene	**0.32J**	ug/L	1.0	0.25	1		03/31/21 12:08	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		03/31/21 12:08	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		03/31/21 12:08	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		03/31/21 12:08	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		03/31/21 12:08	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		03/31/21 12:08	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		03/31/21 12:08	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		03/31/21 12:08	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		03/31/21 12:08	98-06-6	
Carbon tetrachloride	**<1.1**	ug/L	3.6	1.1	1		03/31/21 12:08	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		03/31/21 12:08	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		03/31/21 12:08	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		03/31/21 12:08	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		03/31/21 12:08	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		03/31/21 12:08	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		03/31/21 12:08	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		03/31/21 12:08	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		03/31/21 12:08	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		03/31/21 12:08	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		03/31/21 12:08	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		03/31/21 12:08	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		03/31/21 12:08	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		03/31/21 12:08	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		03/31/21 12:08	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		03/31/21 12:08	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		03/31/21 12:08	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		03/31/21 12:08	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		03/31/21 12:08	156-59-2	
trans-1,2-Dichloroethene	**<0.46**	ug/L	1.5	0.46	1		03/31/21 12:08	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		03/31/21 12:08	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		03/31/21 12:08	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		03/31/21 12:08	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		03/31/21 12:08	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		03/31/21 12:08	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		03/31/21 12:08	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		03/31/21 12:08	108-20-3	
Ethylbenzene	**0.37J**	ug/L	1.1	0.32	1		03/31/21 12:08	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		03/31/21 12:08	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		03/31/21 12:08	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		03/31/21 12:08	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		03/31/21 12:08	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		03/31/21 12:08	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		03/31/21 12:08	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		03/31/21 12:08	103-65-1	
Styrene	**<3.0**	ug/L	10.0	3.0	1		03/31/21 12:08	100-42-5	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224117

Sample: SP-5 **Lab ID: 40224117003** Collected: 03/26/21 14:20 Received: 03/27/21 08:35 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		03/31/21 12:08	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		03/31/21 12:08	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		03/31/21 12:08	127-18-4	
Toluene	**0.88J**	ug/L	1.0	0.27	1		03/31/21 12:08	108-88-3	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		03/31/21 12:08	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		03/31/21 12:08	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		03/31/21 12:08	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		03/31/21 12:08	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		03/31/21 12:08	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		03/31/21 12:08	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		03/31/21 12:08	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		03/31/21 12:08	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		03/31/21 12:08	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		03/31/21 12:08	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		03/31/21 12:08	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		03/31/21 12:08	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		03/31/21 12:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		03/31/21 12:08	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		03/31/21 12:08	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		03/31/21 12:08	2037-26-5	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224117

Sample: SP-7 **Lab ID: 40224117004** Collected: 03/26/21 14:40 Received: 03/27/21 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Benzene	**<0.25**	ug/L	1.0	0.25	1		03/31/21 12:30	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		03/31/21 12:30	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		03/31/21 12:30	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		03/31/21 12:30	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		03/31/21 12:30	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		03/31/21 12:30	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		03/31/21 12:30	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		03/31/21 12:30	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		03/31/21 12:30	98-06-6	
Carbon tetrachloride	**<1.1**	ug/L	3.6	1.1	1		03/31/21 12:30	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		03/31/21 12:30	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		03/31/21 12:30	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		03/31/21 12:30	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		03/31/21 12:30	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		03/31/21 12:30	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		03/31/21 12:30	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		03/31/21 12:30	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		03/31/21 12:30	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		03/31/21 12:30	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		03/31/21 12:30	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		03/31/21 12:30	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		03/31/21 12:30	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		03/31/21 12:30	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		03/31/21 12:30	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		03/31/21 12:30	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		03/31/21 12:30	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		03/31/21 12:30	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		03/31/21 12:30	156-59-2	
trans-1,2-Dichloroethene	**<0.46**	ug/L	1.5	0.46	1		03/31/21 12:30	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		03/31/21 12:30	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		03/31/21 12:30	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		03/31/21 12:30	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		03/31/21 12:30	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		03/31/21 12:30	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		03/31/21 12:30	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		03/31/21 12:30	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		03/31/21 12:30	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		03/31/21 12:30	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		03/31/21 12:30	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		03/31/21 12:30	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		03/31/21 12:30	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		03/31/21 12:30	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		03/31/21 12:30	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		03/31/21 12:30	103-65-1	
Styrene	**<3.0**	ug/L	10.0	3.0	1		03/31/21 12:30	100-42-5	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224117

Sample: SP-7 **Lab ID: 40224117004** Collected: 03/26/21 14:40 Received: 03/27/21 08:35 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		03/31/21 12:30	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		03/31/21 12:30	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		03/31/21 12:30	127-18-4	
Toluene	**0.48J**	ug/L	1.0	0.27	1		03/31/21 12:30	108-88-3	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		03/31/21 12:30	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		03/31/21 12:30	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		03/31/21 12:30	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		03/31/21 12:30	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		03/31/21 12:30	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		03/31/21 12:30	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		03/31/21 12:30	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		03/31/21 12:30	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		03/31/21 12:30	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		03/31/21 12:30	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		03/31/21 12:30	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		03/31/21 12:30	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		03/31/21 12:30	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		03/31/21 12:30	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		03/31/21 12:30	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		03/31/21 12:30	2037-26-5	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224117

Sample: TRIP BLANK **Lab ID: 40224117005** Collected: 03/26/21 07:00 Received: 03/27/21 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Benzene	**<0.25**	ug/L	1.0	0.25	1		03/31/21 16:05	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		03/31/21 16:05	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		03/31/21 16:05	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		03/31/21 16:05	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		03/31/21 16:05	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		03/31/21 16:05	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		03/31/21 16:05	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		03/31/21 16:05	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		03/31/21 16:05	98-06-6	
Carbon tetrachloride	**<1.1**	ug/L	3.6	1.1	1		03/31/21 16:05	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		03/31/21 16:05	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		03/31/21 16:05	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		03/31/21 16:05	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		03/31/21 16:05	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		03/31/21 16:05	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		03/31/21 16:05	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		03/31/21 16:05	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		03/31/21 16:05	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		03/31/21 16:05	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		03/31/21 16:05	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		03/31/21 16:05	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		03/31/21 16:05	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		03/31/21 16:05	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		03/31/21 16:05	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		03/31/21 16:05	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		03/31/21 16:05	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		03/31/21 16:05	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		03/31/21 16:05	156-59-2	
trans-1,2-Dichloroethene	**<0.46**	ug/L	1.5	0.46	1		03/31/21 16:05	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		03/31/21 16:05	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		03/31/21 16:05	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		03/31/21 16:05	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		03/31/21 16:05	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		03/31/21 16:05	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		03/31/21 16:05	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		03/31/21 16:05	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		03/31/21 16:05	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		03/31/21 16:05	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		03/31/21 16:05	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		03/31/21 16:05	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		03/31/21 16:05	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		03/31/21 16:05	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		03/31/21 16:05	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		03/31/21 16:05	103-65-1	
Styrene	**<3.0**	ug/L	10.0	3.0	1		03/31/21 16:05	100-42-5	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224117

Sample: TRIP BLANK **Lab ID: 40224117005** Collected: 03/26/21 07:00 Received: 03/27/21 08:35 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		03/31/21 16:05	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		03/31/21 16:05	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		03/31/21 16:05	127-18-4	
Toluene	**<0.27**	ug/L	1.0	0.27	1		03/31/21 16:05	108-88-3	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		03/31/21 16:05	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		03/31/21 16:05	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		03/31/21 16:05	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		03/31/21 16:05	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		03/31/21 16:05	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		03/31/21 16:05	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		03/31/21 16:05	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		03/31/21 16:05	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		03/31/21 16:05	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		03/31/21 16:05	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		03/31/21 16:05	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		03/31/21 16:05	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		03/31/21 16:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		03/31/21 16:05	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		03/31/21 16:05	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		03/31/21 16:05	2037-26-5	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224117

Sample: SP-5 DUP **Lab ID: 40224117006** Collected: 03/26/21 14:25 Received: 03/27/21 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Benzene	**0.31J**	ug/L	1.0	0.25	1		03/31/21 12:51	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		03/31/21 12:51	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		03/31/21 12:51	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		03/31/21 12:51	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		03/31/21 12:51	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		03/31/21 12:51	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		03/31/21 12:51	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		03/31/21 12:51	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		03/31/21 12:51	98-06-6	
Carbon tetrachloride	**<1.1**	ug/L	3.6	1.1	1		03/31/21 12:51	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		03/31/21 12:51	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		03/31/21 12:51	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		03/31/21 12:51	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		03/31/21 12:51	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		03/31/21 12:51	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		03/31/21 12:51	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		03/31/21 12:51	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		03/31/21 12:51	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		03/31/21 12:51	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		03/31/21 12:51	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		03/31/21 12:51	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		03/31/21 12:51	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		03/31/21 12:51	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		03/31/21 12:51	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		03/31/21 12:51	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		03/31/21 12:51	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		03/31/21 12:51	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		03/31/21 12:51	156-59-2	
trans-1,2-Dichloroethene	**<0.46**	ug/L	1.5	0.46	1		03/31/21 12:51	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		03/31/21 12:51	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		03/31/21 12:51	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		03/31/21 12:51	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		03/31/21 12:51	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		03/31/21 12:51	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		03/31/21 12:51	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		03/31/21 12:51	108-20-3	
Ethylbenzene	**0.34J**	ug/L	1.1	0.32	1		03/31/21 12:51	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		03/31/21 12:51	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		03/31/21 12:51	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		03/31/21 12:51	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		03/31/21 12:51	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		03/31/21 12:51	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		03/31/21 12:51	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		03/31/21 12:51	103-65-1	
Styrene	**<3.0**	ug/L	10.0	3.0	1		03/31/21 12:51	100-42-5	

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ANALYTICAL RESULTS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224117

Sample: SP-5 DUP **Lab ID: 40224117006** Collected: 03/26/21 14:25 Received: 03/27/21 08:35 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		03/31/21 12:51	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		03/31/21 12:51	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		03/31/21 12:51	127-18-4	
Toluene	**0.83J**	ug/L	1.0	0.27	1		03/31/21 12:51	108-88-3	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		03/31/21 12:51	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		03/31/21 12:51	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		03/31/21 12:51	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		03/31/21 12:51	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		03/31/21 12:51	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		03/31/21 12:51	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		03/31/21 12:51	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		03/31/21 12:51	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		03/31/21 12:51	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		03/31/21 12:51	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		03/31/21 12:51	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		03/31/21 12:51	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		03/31/21 12:51	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		03/31/21 12:51	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		03/31/21 12:51	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		03/31/21 12:51	2037-26-5	

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

QUALITY CONTROL DATA

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224117

QC Batch: 380938 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40224117001, 40224117002, 40224117003, 40224117004, 40224117005, 40224117006

METHOD BLANK: 2197320 | Matrix: Water
Associated Lab Samples: 40224117001, 40224117002, 40224117003, 40224117004, 40224117005, 40224117006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	03/31/21 07:08	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	03/31/21 07:08	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	03/31/21 07:08	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	03/31/21 07:08	
1,1-Dichloroethane	ug/L	<0.27	1.0	03/31/21 07:08	
1,1-Dichloroethene	ug/L	<0.24	1.0	03/31/21 07:08	
1,1-Dichloropropene	ug/L	<0.54	1.8	03/31/21 07:08	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	03/31/21 07:08	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	03/31/21 07:08	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	03/31/21 07:08	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	03/31/21 07:08	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	03/31/21 07:08	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	03/31/21 07:08	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	03/31/21 07:08	
1,2-Dichloroethane	ug/L	<0.28	1.0	03/31/21 07:08	
1,2-Dichloropropane	ug/L	<0.28	1.0	03/31/21 07:08	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	03/31/21 07:08	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	03/31/21 07:08	
1,3-Dichloropropane	ug/L	<0.83	2.8	03/31/21 07:08	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	03/31/21 07:08	
2,2-Dichloropropane	ug/L	<2.3	7.6	03/31/21 07:08	
2-Chlorotoluene	ug/L	<0.93	5.0	03/31/21 07:08	
4-Chlorotoluene	ug/L	<0.76	2.5	03/31/21 07:08	
Benzene	ug/L	<0.25	1.0	03/31/21 07:08	
Bromobenzene	ug/L	<0.24	1.0	03/31/21 07:08	
Bromochloromethane	ug/L	<0.36	5.0	03/31/21 07:08	
Bromodichloromethane	ug/L	<0.36	1.2	03/31/21 07:08	
Bromoform	ug/L	<4.0	13.2	03/31/21 07:08	
Bromomethane	ug/L	<0.97	5.0	03/31/21 07:08	
Carbon tetrachloride	ug/L	<1.1	3.6	03/31/21 07:08	
Chlorobenzene	ug/L	<0.71	2.4	03/31/21 07:08	
Chloroethane	ug/L	<1.3	5.0	03/31/21 07:08	
Chloroform	ug/L	<1.3	5.0	03/31/21 07:08	
Chloromethane	ug/L	<2.2	7.3	03/31/21 07:08	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	03/31/21 07:08	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	03/31/21 07:08	
Dibromochloromethane	ug/L	<2.6	8.7	03/31/21 07:08	
Dibromomethane	ug/L	<0.94	3.1	03/31/21 07:08	
Dichlorodifluoromethane	ug/L	<0.50	5.0	03/31/21 07:08	
Diisopropyl ether	ug/L	<1.9	6.3	03/31/21 07:08	

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REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224117

METHOD BLANK: 2197320 Matrix: Water
Associated Lab Samples: 40224117001, 40224117002, 40224117003, 40224117004, 40224117005, 40224117006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	03/31/21 07:08	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	03/31/21 07:08	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	03/31/21 07:08	
m&p-Xylene	ug/L	<0.47	2.0	03/31/21 07:08	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	03/31/21 07:08	
Methylene Chloride	ug/L	<0.58	5.0	03/31/21 07:08	
n-Butylbenzene	ug/L	<0.71	2.4	03/31/21 07:08	
n-Propylbenzene	ug/L	<0.81	5.0	03/31/21 07:08	
Naphthalene	ug/L	<1.2	5.0	03/31/21 07:08	
o-Xylene	ug/L	<0.26	1.0	03/31/21 07:08	
p-Isopropyltoluene	ug/L	<0.80	2.7	03/31/21 07:08	
sec-Butylbenzene	ug/L	<0.85	5.0	03/31/21 07:08	
Styrene	ug/L	<3.0	10.0	03/31/21 07:08	
tert-Butylbenzene	ug/L	<0.30	1.0	03/31/21 07:08	
Tetrachloroethene	ug/L	<0.33	1.1	03/31/21 07:08	
Toluene	ug/L	<0.27	1.0	03/31/21 07:08	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	03/31/21 07:08	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	03/31/21 07:08	
Trichloroethene	ug/L	<0.26	1.0	03/31/21 07:08	
Trichlorofluoromethane	ug/L	<0.21	1.0	03/31/21 07:08	
Vinyl chloride	ug/L	<0.17	1.0	03/31/21 07:08	
Xylene (Total)	ug/L	<1.5	3.0	03/31/21 07:08	
4-Bromofluorobenzene (S)	%	106	70-130	03/31/21 07:08	
Dibromofluoromethane (S)	%	96	70-130	03/31/21 07:08	
Toluene-d8 (S)	%	102	70-130	03/31/21 07:08	

LABORATORY CONTROL SAMPLE: 2197321

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	47.6	95	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	47.1	94	66-130	
1,1,2-Trichloroethane	ug/L	50	51.6	103	70-130	
1,1-Dichloroethane	ug/L	50	47.5	95	68-132	
1,1-Dichloroethene	ug/L	50	46.5	93	85-126	
1,2,4-Trichlorobenzene	ug/L	50	50.7	101	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	43.0	86	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	49.6	99	70-130	
1,2-Dichlorobenzene	ug/L	50	49.2	98	70-130	
1,2-Dichloroethane	ug/L	50	45.9	92	70-130	
1,2-Dichloropropane	ug/L	50	50.8	102	78-125	
1,3-Dichlorobenzene	ug/L	50	49.9	100	70-130	
1,4-Dichlorobenzene	ug/L	50	49.8	100	70-130	
Benzene	ug/L	50	48.1	96	70-132	
Bromodichloromethane	ug/L	50	50.9	102	70-130	

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224117

LABORATORY CONTROL SAMPLE: 2197321

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	49.7	99	65-130	
Bromomethane	ug/L	50	27.7	55	44-128	
Carbon tetrachloride	ug/L	50	49.3	99	70-130	
Chlorobenzene	ug/L	50	51.1	102	70-130	
Chloroethane	ug/L	50	46.4	93	73-137	
Chloroform	ug/L	50	48.3	97	80-122	
Chloromethane	ug/L	50	32.4	65	27-148	
cis-1,2-Dichloroethene	ug/L	50	47.9	96	70-130	
cis-1,3-Dichloropropene	ug/L	50	54.2	108	70-130	
Dibromochloromethane	ug/L	50	45.8	92	70-130	
Dichlorodifluoromethane	ug/L	50	25.6	51	22-151	
Ethylbenzene	ug/L	50	51.9	104	80-123	
Isopropylbenzene (Cumene)	ug/L	50	51.3	103	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	46.4	93	66-130	
Methylene Chloride	ug/L	50	46.3	93	70-130	
o-Xylene	ug/L	50	50.9	102	70-130	
Styrene	ug/L	50	52.2	104	70-130	
Tetrachloroethene	ug/L	50	52.3	105	70-130	
Toluene	ug/L	50	50.9	102	80-121	
trans-1,2-Dichloroethene	ug/L	50	48.0	96	70-130	
trans-1,3-Dichloropropene	ug/L	50	52.3	105	58-125	
Trichloroethene	ug/L	50	53.2	106	70-130	
Trichlorofluoromethane	ug/L	50	48.0	96	84-148	
Vinyl chloride	ug/L	50	41.6	83	63-142	
Xylene (Total)	ug/L	150	153	102	70-130	
4-Bromofluorobenzene (S)	%			107	70-130	
Dibromofluoromethane (S)	%			98	70-130	
Toluene-d8 (S)	%			103	70-130	

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(920)469-2436

QUALIFIERS

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224117

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.

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(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60644072.2 WAM PH II-STOUGHTON
Pace Project No.: 40224117

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40224117001	**SP-1**	EPA 8260	380938		
40224117002	**SP-4**	EPA 8260	380938		
40224117003	**SP-5**	EPA 8260	380938		
40224117004	**SP-7**	EPA 8260	380938		
40224117005	**TRIP BLANK**	EPA 8260	380938		
40224117006	**SP-5 DUP**	EPA 8260	380938		

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

COC No. 40224117

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:	AECOM
Branch/Location:	Milwaukee
Project Contact:	Lanette Altenbach
Phone:	414-944-6186
Project Number:	60644072.2
Project Name:	WAM PhII-Staughton
Project State:	WI
Sampled By (Print):	Leslie Bychinski
Sampled By (Sign):	Leslie Bychinski
PO #:	
Regulatory Program:	WDNR

Quote #:	WAM Contract Pricing
Mail To Contact:	Lanette Altenbach
Mail To Company:	AECOM
Mail To Address:	1555 N RiverCenter Dr, Ste 214 Milwaukee, WI 53212
Invoice To Contact:	Lanette Altenbach
Invoice To Company:	AECOM
Invoice To Address:	1555 N RiverCenter Dr, Ste 214 Milwaukee, WI 53212
Invoice To Phone:	-

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	VOCs (Y/N: N, Pick Letter: F)	PAHs (N, A)	Lead, % moisture (N, A)	PCBs (N, A)	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	SP-1	3/26/21	1457	GW	3						
002	SP-4	↓	1410	GW	3						
003	SP-5	↓	1420	GW	3						
004	SP-7	↓	1440	GW	3						
005	Trip Blank	↓	700	W	1						
006	SP-5 Dup	↓	1425	GW	3						

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:
Leslie Bychinski AECOM	3/26/21 1800		
C.S logistics	3/27/21 0835	Pace	3/27/21 0835

PACE Project No. 40224117

Receipt Temp = .5 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

Sample Preservation Receipt Form

Client Name: Aecom

Project # 40224117

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

Lab Lot# of pH paper:

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

Initial when completed:

Date/ Time:

Pace Lab #	Glass								Plastic					Vials						Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN							
001																	3																2.5 / 5 / 10
002																	3																2.5 / 5 / 10
003																	3																2.5 / 5 / 10
004																	3																2.5 / 5 / 10
005																	1																2.5 / 5 / 10
006																	3																2.5 / 5 / 10
007																																	2.5 / 5 / 10
008																																	2.5 / 5 / 10
009																																	2.5 / 5 / 10
010																																	2.5 / 5 / 10
011																																	2.5 / 5 / 10
012																																	2.5 / 5 / 10
013																																	2.5 / 5 / 10
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015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

3/27/21

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)

Project #:

WO#: 40224117

40224117

Client Name: Aecom

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

Tracking #: 2207. 03261

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

Cooler Temperature Uncorr: 1 /Corr: -5

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: 3/27/21 Initials: [illegible]
Labeled By Initials: SRK

Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No	5.
- VOA Samples frozen upon receipt	☐ Yes ☐ No	Date/Time:
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No	6.
Rush Turn Around Time Requested:	☐ Yes ☒ No	7.
Sufficient Volume: For Analysis: ☒ Yes ☐ No	MS/MSD: ☐ Yes ☒ No ☐ N/A	8.
Correct Containers Used:	☒ Yes ☐ No	9.
-Pace Containers Used:	☒ Yes ☐ No ☐ N/A	
-Pace IR Containers Used:	☐ Yes ☐ No ☒ N/A	
Containers Intact:	☒ Yes ☐ No	10.
Filtered volume received for Dissolved tests	☐ Yes ☐ No ☒ N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W	☒ Yes ☐ No ☐ N/A	12.
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

aecom.com