



April 8, 2024

Mr. Jeffry Faust  
J.S. Held LLC  
6 Meadow Hs Prof Park Dr  
Collinsville, IL 62234  
618-357-4680  
Via email: [Jeffry.faust@jsheld.com](mailto:Jeffry.faust@jsheld.com)

**RE: LIMITED PHASE II SAMPLING – GATEWAY MIDDLE SCHOOL  
(HRP #JSH0001.P2)**

Dear Mr. Faust:

At the request of JS Held, HRP Associates, Inc. (HRP) has prepared this letter report detailing the results of the sampling conducted on March 18, 2024, at the St. Louis Public Schools (SLPS) Gateway Middle School (Gateway) located at 1200 N. Jefferson St., St. Louis, Missouri (**Figure 1**).

HRP contracted with Bulldog Drilling (Bulldog) of Dupo, Illinois to install six soil borings around the perimeter of the Gateway facility in order to collect soil samples for analysis. The sampling was conducted following the procedures outlined in the *Proposal for a Limited Phase II Investigation for Gateway Middle School* dated February 8, 2024.

The purpose of the soil sampling event was to determine if elevated concentrations of volatile organic chemicals (VOCs), polynuclear aromatic hydrocarbons (PAHs), Resource Conservation and Recovery Act (RCRA) metals (arsenic (As), barium (Ba), cadmium (Cd), chromium (Cr), lead (Pb), mercury (Hg), selenium (Sg), and silver (Ag)), or polychlorinated biphenyls (PCBs) are present.

**Field Effort**

On March 18, 2024, HRP and Bulldog mobilized to the Site to install six soil borings and to collect soil samples for laboratory analysis. Prior to mobilization to the Site, Bulldog contacted Missouri One Call, in accordance with state law and had underground utilities marked out. The borings were installed in grass-covered locations along the perimeter of the buildings to avoid damage to existing infrastructure (**Figure 2**). A Geoprobe® direct-push sample rig was used to drive a five-foot long, two-inch diameter, clean, lined sample tube to the desired depth. The borings were labeled G 01 – G 06.

After determining the locations, the drill crew advanced the sampler to the desired depth. Each 5-foot sample liner was opened, scanned for volatile organic vapors using a MiniRAE 300 VOC gas monitor. No readings above background were noted. The soils within the sample liner were described on a boring log (attached). After completion of the first three borings to a depth of 30 feet below ground surface (ft bgs), subsequent borings were reduced to 25 ft bgs due to the homogeneity of the soils between 25 and 30 ft bgs.

After scanning the soils for VOC content, the HRP geologist selected a representative soil interval for collection of a sample for submittal to the laboratory for analysis. The soil was placed into laboratory supplied jars and labeled as to time, sample identification, and sample analysis. The sample jar was then placed into an ice-filled cooler for transport to the Pace, Inc. Lenexa, Kansas laboratory for analysis. Each sample was entered on a laboratory supplied chain of custody, which accompanied the samples to the laboratory. A duplicate sample was collected from Boring G 06 for analysis of VOCs.

The soils encountered within the borings generally consisted of a one-foot layer of topsoil with roots from the overlying vegetation, underlain by fill material consisting of gravel, concrete, limestone gravel, occasional cinders, held together by a silty clay matrix. This layer varied between four and eight feet thick. The soil below the fill material consisted of a silty clay, generally becoming more plastic in depth, primarily light brown to light reddish brown. Sufficient groundwater for the collection of a sample was not encountered in the borings.

### **Laboratory Analysis**

Samples collected from each boring were analyzed for VOCs and PCBs. The sample collected from boring G 03 was also analyzed for RCRA (8) Metals and PAHs.

The analytical results were compared to values in the Missouri Department of Natural Resources (MDNR) Risk-Based Corrective Action Technical Guidance (MRBCA); Appendix B, Table B-2: Tier 1 Risk-Based Target Levels, Residential Land Use, Soil Type 1 (Sandy). Since the City of St. Louis has a Memorandum of Understanding (MOU) prohibiting the use of groundwater as a potable water source, soil to groundwater and groundwater risk values were not considered. The most stringent of the Surficial and Subsurface Soil risk values were used for comparison of the analytical results. The results for the borings are as follows:

- PCBs: PCBs were not detected in any of the samples.
- VOCs: VOCs were reported as present in the sample collected from Boring G 02 and from the duplicate sample from Boring G 06. The VOCs detected were near or below the reporting limit for the compounds and were well below MRBCA Target Levels.
- RCRA (8) Metals: The sample from Boring G 03 was collected from the fill material with the highest concentration of cinders. Lead (577 milligrams per kilogram (mg/kg)) and arsenic (14.0 mg/kg) were the metals detected in excess of their MRBCA target levels, 260 mg/kg for lead and 4.26 mg/kg for arsenic.
- PAHs: The sample collected from the cinder-rich fill material in Boring G 03 contained numerous PAH compounds. Only benzo(a)pyrene, detected at a concentration of 2.8 mg/kg, was found to exceed the MRBCA compound specific target level of 0.6 mg/kg.

See **Table 1** for a summary of the analytical results. The complete laboratory analytical report is included as an attachment.

### **Findings/Conclusions/Recommendations**

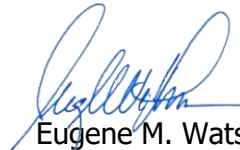
The soils encountered consisted primarily of a layer of topsoil, underlain by 4 to 8 feet of typical urban fill material consisting of clay, brick, concrete, limestone gravel, and cinders. Below the fill material was light brown silty clay, with plasticity increasing with depth. No obvious indications of contamination (discolored soils, organic vapor readings above background, odors, etc.) were noted during the collection of soil samples, with the exception of the cinders noted in Boring G 03. The elevated metals (arsenic and lead) and PAH (benzo(a)pyrene) detected in the sample collected from 7 to 9 ft bgs can be attributed to the cinders.

Based on the results of the investigation and sampling, no significant site-wide contamination was found. The analytical results of the sample collected from the cinder-rich portion of the fill material in Boring G 03 were consistent with expectations.

If you have any questions or require additional information, please feel free to contact HRP at (314) 200-4720. Thank you for the opportunity to support your environmental project.

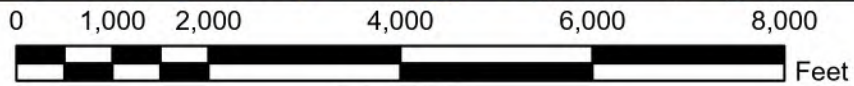
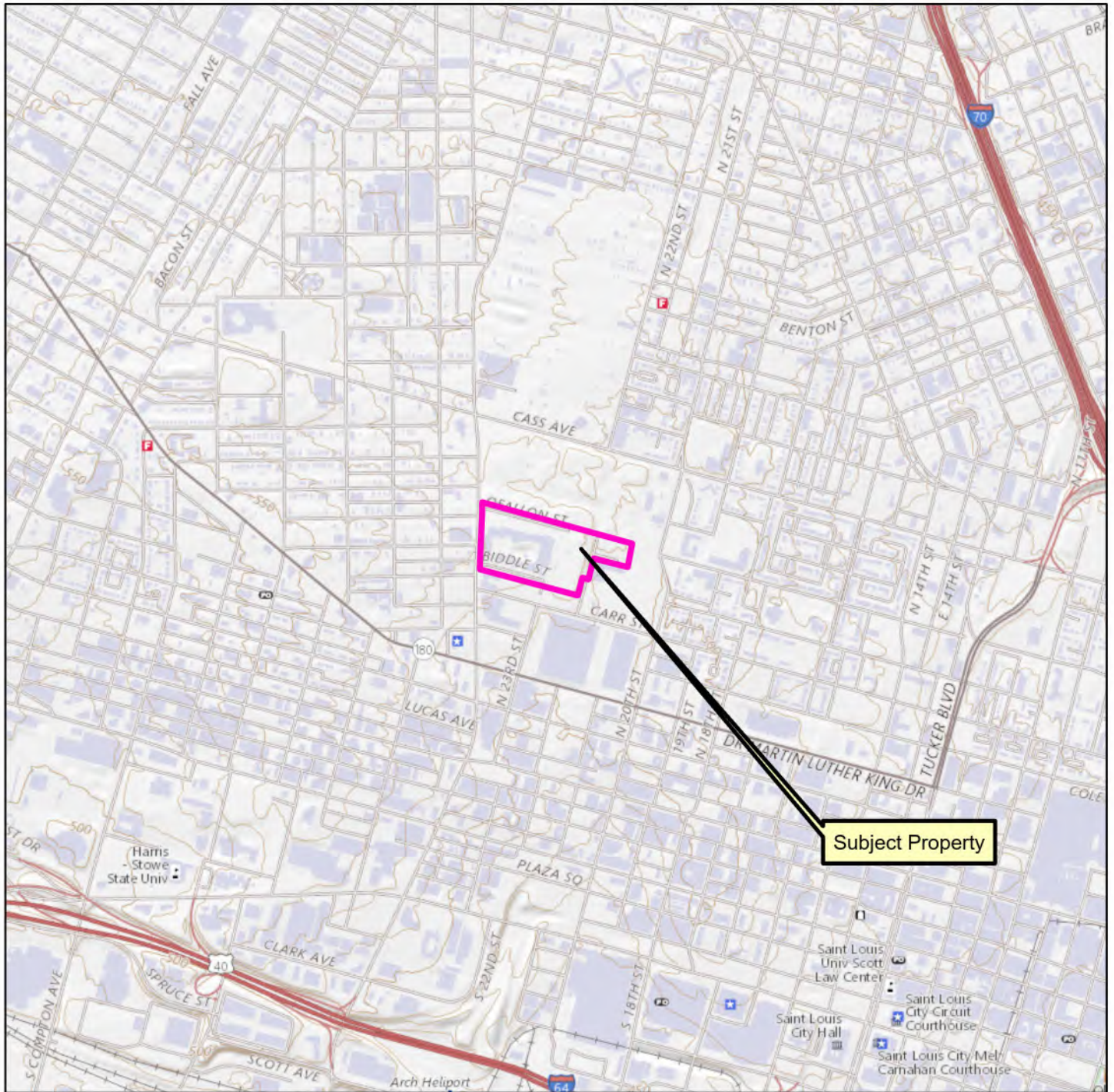
Sincerely,  
**HRP Associates, Inc.**

  
Chris L. Tedder, RG  
Senior Project Manager

  
Eugene M. Watson  
Principal, Regional Manager

Attachments

# FIGURES



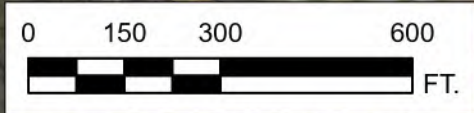
1:24,000



USGS Quadrangle Information  
 Quad ID: 38090-F2  
 Quad Name: Granite City, Illinois

**Figure 1**  
**Subject Property Location Map**  
**1200 N. Jefferson Avenue**  
**St. Louis, Missouri**  
**HRP # JSH0001.P2**  
**Scale 1" = 2,000'**

2500 SOUTH OLD HWY 94  
 SUITE 202  
 ST. CHARLES, MO 63303  
 (314) 200-4720  
 HRPASSOCIATES.COM



**Legend**

- Approximate Subject Property
- ⊗ Test Boring Location



**Figure 2**  
**Site Plan**  
**1200 N. Jefferson Avenue**  
**St. Louis, Missouri**  
**HRP # JSH0001.P2**  
**Scale 1" = 300'**

State of Missouri, STL Imagery Consortium, Maxar, Microsoft, Source: Esri, Maxar, Earthstar Geographics, IGN, and the GIS User Community, Esri Community Maps Contributors, County of St. Charles, County of St. Louis, Metro East Park and Rec District, Missouri Dept. of Conservation, Missouri DNR, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc. METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

# TABLES

**TABLE 1**  
**Analytical Results Summary Table**

Sample ID	Depth (feet bgs)	Parameter	Units	Concentration	MRBCA Tier 1 Target Levels*
G-02	11-13	ACETONE	ug/kg	185	1,830,000
G-02	11-13	CARBON DISULFIDE	ug/kg	6.8 J	6,260,000
G-03	7-9	ARSENIC	mg/kg	<b>14</b>	4
G-03	7-9	BARIUM	mg/kg	563	15,600
G-03	7-9	CADMIUM	mg/kg	4.3	17
G-03	7-9	CHROMIUM	mg/kg	40.8	11,700
G-03	7-9	LEAD	mg/kg	<b>577</b>	260
G-03	7-9	MERCURY	mg/kg	0.54	2
G-03	7-9	SELENIUM	mg/kg	1.2 J	380
G-03	7-9	SILVER	mg/kg	0.54 J	391
G-03	7-9	1,2,4-TRIMETHYLBENZENE	ug/kg	729	14,300
G-03	7-9	1,3,5-TRIMETHYLBENZENE	ug/kg	195	2,250
G-03	7-9	ACENAPHTHENE	ug/kg	476	3,130,000
G-03	7-9	ANTHRACENE	ug/kg	1350	15,700,000
G-03	7-9	BENZENE	ug/kg	45.7	378
G-03	7-9	BENZO(A)ANTHRACENE	ug/kg	3590	6,200
G-03	7-9	BENZO(A)PYRENE	ug/kg	2800	620
G-03	7-9	BENZO(B)FLUORANTHENE	ug/kg	4070	62,000
G-03	7-9	BENZO(G,H,I)PERYLENE	ug/kg	1600	6,190
G-03	7-9	BENZO(K)FLUORANTHENE	ug/kg	1140	1,720,000
G-03	7-9	CHRYSENE	ug/kg	3070	599,000
G-03	7-9	DIBENZ(A,H)ANTHRACENE	ug/kg	473	620
G-03	7-9	ETHYLBENZENE	ug/kg	71.6	193,000
G-03	7-9	FLUORANTHENE	ug/kg	8050	2,280,000
G-03	7-9	FLUORENE	ug/kg	545	2,200,000
G-03	7-9	INDENO(1,2,3-CD)PYRENE	ug/kg	1410	3,770
G-03	7-9	ISOPROPYLBENZENE (CUMENE)	ug/kg	130	10,500
G-03	7-9	NAPHTHALENE	ug/kg	602	25,900
G-03	7-9	NAPHTHALENE	ug/kg	422	25,900
G-03	7-9	PHENANTHRENE	ug/kg	5720	2,170,000
G-03	7-9	PYRENE	ug/kg	6620	1,710,000
G-03	7-9	XYLENE (TOTAL)	ug/kg	1450	24,700



**TABLE 1**  
**Analytical Results Summary Table**

Sample ID	Depth (feet bgs)	Parameter	Units	Concentration	MRBCA Tier 1 Target Levels*
G-03	7-9	N-BUTYLBENZENE	ug/kg	114	118,000
G-03	7-9	N-PROPYLBENZENE	ug/kg	153	39,900
G-03	7-9	P-ISOPROPYLTOLUENE	ug/kg	170	1,100,000
G-03	7-9	SEC-BUTYLBENZENE	ug/kg	98	62,500
G-03	7-9	ACENAPHTHYLENE	ug/kg	212 J	4,180,000
G-03	7-9	TETRACHLOROETHENE	ug/kg	10.6 J	300
G-03	7-9	TOLUENE	ug/kg	123 J	499,000
G-03	7-9	TERT-BUTYLBENZENE	ug/kg	5.3 J	118,000
G-06 DUP	6-8	CHLOROMETHANE	ug/kg	6.5 J	204

\* MRBCA Tier 1 Risk-Based Target Levels, Residential Land Use, Sandy Soil, Most Conservative Value from Surface Soil or Surficial Soils Target Levels

# ATTACHMENT 1

## Boring Logs















# ATTACHMENT 2

## Laboratory Analytical Reports



March 26, 2024

Chris Tedder  
HRP Associates, Inc.  
2500 S. Old Highway 94  
Ste 202  
St. Charles, MO 63303

RE: Project: Gateway, project # JSH0001.P2  
Pace Project No.: 60449298

Dear Chris Tedder:

Enclosed are the analytical results for sample(s) received by the laboratory on March 20, 2024. 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 - Kansas City

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

Sincerely,

Nolie Wood  
nolie.wood@pacelabs.com  
1(913)563-1401  
Project Manager

Enclosures

cc: Jenny Mooney, HRP Associates, Inc.  
Gene Watson, HRP Associates, Inc



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
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## CERTIFICATIONS

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

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### **Pace Analytical Services Kansas**

9608 Loiret Boulevard, Lenexa, KS 66219

Arkansas Inorganic Drinking Water Certification

Arkansas Certification #: 88-00679

Illinois Certification #: 2000302023-6

Colorado Division of Oil and Public Safety

Iowa Certification #: 118

Kansas Field Laboratory Certification #: E-92587

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Missouri Inorganic Drinking Water Certification

Nevada Certification #: KS000212024-1

Oklahoma Certification #: 2023-073

Texas Certification #: T104704407-23-17

Utah Certification #: KS000212022-13

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## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60449298001	G-01	Solid	03/18/24 09:42	03/20/24 05:40
60449298002	G-02	Solid	03/18/24 10:10	03/20/24 05:40
60449298003	G-03	Solid	03/18/24 10:50	03/20/24 05:40
60449298004	G-04	Solid	03/18/24 11:40	03/20/24 05:40
60449298005	G-05	Solid	03/18/24 12:10	03/20/24 05:40
60449298006	G-06	Solid	03/18/24 12:30	03/20/24 05:40
60449298007	G-06 DUP	Solid	03/18/24 12:30	03/20/24 05:40

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### SAMPLE ANALYTE COUNT

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60449298001	G-01	EPA 8082	JDS	8	PASI-K
		EPA 8260C	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
60449298002	G-02	EPA 8082	JDS	8	PASI-K
		EPA 8260C	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
60449298003	G-03	EPA 8082	JDS	8	PASI-K
		EPA 6010	JXD	7	PASI-K
		EPA 7471	ACLC	1	PASI-K
		EPA 8270 by SIM	WFG	18	PASI-K
		EPA 8260C	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
60449298004	G-04	EPA 8082	JDS	8	PASI-K
		EPA 8260C	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
60449298005	G-05	EPA 8082	JDS	8	PASI-K
		EPA 8260C	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
60449298006	G-06	EPA 8082	JDS	8	PASI-K
		EPA 8260C	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
60449298007	G-06 DUP	EPA 8260C	RAD	68	PASI-K

PASI-K = Pace Analytical Services - Kansas City

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

Sample: G-01 Lab ID: 60449298001 Collected: 03/18/24 09:42 Received: 03/20/24 05:40 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>		Analytical Method: EPA 8082 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
PCB-1016 (Aroclor 1016)	ND	ug/kg	39.6	1	03/22/24 08:44	03/25/24 21:37	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	39.6	1	03/22/24 08:44	03/25/24 21:37	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	39.6	1	03/22/24 08:44	03/25/24 21:37	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	39.6	1	03/22/24 08:44	03/25/24 21:37	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	39.6	1	03/22/24 08:44	03/25/24 21:37	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	39.6	1	03/22/24 08:44	03/25/24 21:37	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	39.6	1	03/22/24 08:44	03/25/24 21:37	11096-82-5	
<b>Surrogates</b>								
Decachlorobiphenyl (S)	103	%	20-120	1	03/22/24 08:44	03/25/24 21:37	2051-24-3	
<b>8260C MSV 5035A Low Level</b>		Analytical Method: EPA 8260C Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City						
Acetone	ND	ug/kg	168	1	03/21/24 19:43	03/22/24 05:49	67-64-1	
Benzene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	71-43-2	
Bromobenzene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	108-86-1	
Bromochloromethane	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	74-97-5	
Bromodichloromethane	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 05:49	75-27-4	
Bromoform	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 05:49	75-25-2	
Bromomethane	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 05:49	74-83-9	
2-Butanone (MEK)	ND	ug/kg	168	1	03/21/24 19:43	03/22/24 05:49	78-93-3	
n-Butylbenzene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	104-51-8	
sec-Butylbenzene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	135-98-8	
tert-Butylbenzene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	98-06-6	
Carbon disulfide	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	75-15-0	
Carbon tetrachloride	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	56-23-5	
Chlorobenzene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	108-90-7	
Chloroethane	ND	ug/kg	66.6	1	03/21/24 19:43	03/22/24 05:49	75-00-3	
Chloroform	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	67-66-3	
Chloromethane	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 05:49	74-87-3	
2-Chlorotoluene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	95-49-8	
4-Chlorotoluene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 05:49	96-12-8	
Dibromochloromethane	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	106-93-4	
Dibromomethane	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 05:49	75-71-8	
1,1-Dichloroethane	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	75-34-3	
1,2-Dichloroethane	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	26.6	1	03/21/24 19:43	03/22/24 05:49	540-59-0	
1,1-Dichloroethene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	156-60-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

Sample: G-01 Lab ID: 60449298001 Collected: 03/18/24 09:42 Received: 03/20/24 05:40 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C MSV 5035A Low Level</b>		Analytical Method: EPA 8260C Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City						
1,2-Dichloropropane	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	78-87-5	
1,3-Dichloropropane	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	142-28-9	
2,2-Dichloropropane	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	594-20-7	
1,1-Dichloropropene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	10061-02-6	
Ethylbenzene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	87-68-3	
2-Hexanone	ND	ug/kg	168	1	03/21/24 19:43	03/22/24 05:49	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	98-82-8	
p-Isopropyltoluene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	99-87-6	
Methylene Chloride	ND	ug/kg	66.6	1	03/21/24 19:43	03/22/24 05:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	168	1	03/21/24 19:43	03/22/24 05:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	1634-04-4	
Naphthalene	ND	ug/kg	26.6	1	03/21/24 19:43	03/22/24 05:49	91-20-3	
n-Propylbenzene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	103-65-1	
Styrene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	79-34-5	
Tetrachloroethene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	127-18-4	
Toluene	ND	ug/kg	53.3	1	03/21/24 19:43	03/22/24 05:49	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	79-00-5	
Trichloroethene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	79-01-6	
Trichlorofluoromethane	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 05:49	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	13.3	1	03/21/24 19:43	03/22/24 05:49	108-67-8	
Vinyl chloride	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 05:49	75-01-4	
Xylene (Total)	ND	ug/kg	39.9	1	03/21/24 19:43	03/22/24 05:49	1330-20-7	
<b>Surrogates</b>								
Toluene-d8 (S)	105	%	80-120	1	03/21/24 19:43	03/22/24 05:49	2037-26-5	
4-Bromofluorobenzene (S)	101	%	83-119	1	03/21/24 19:43	03/22/24 05:49	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	80-120	1	03/21/24 19:43	03/22/24 05:49	2199-69-1	

**Percent Moisture**

Analytical Method: ASTM D2974

Pace Analytical Services - Kansas City

Percent Moisture	<b>19.0</b>	%	0.50	1	03/20/24 14:35
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## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

Sample: G-02 Lab ID: 60449298002 Collected: 03/18/24 10:10 Received: 03/20/24 05:40 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	41.6	1	03/22/24 08:44	03/25/24 21:45	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	41.6	1	03/22/24 08:44	03/25/24 21:45	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	41.6	1	03/22/24 08:44	03/25/24 21:45	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	41.6	1	03/22/24 08:44	03/25/24 21:45	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	41.6	1	03/22/24 08:44	03/25/24 21:45	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	41.6	1	03/22/24 08:44	03/25/24 21:45	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	41.6	1	03/22/24 08:44	03/25/24 21:45	11096-82-5	
<b>Surrogates</b>								
Decachlorobiphenyl (S)	103	%	20-120	1	03/22/24 08:44	03/25/24 21:45	2051-24-3	
<b>8260C MSV 5035A Low Level</b>								
Analytical Method: EPA 8260C Preparation Method: EPA 5035A/5030B								
Pace Analytical Services - Kansas City								
Acetone	185	ug/kg	173	1	03/21/24 19:43	03/22/24 06:08	67-64-1	
Benzene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	71-43-2	
Bromobenzene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	108-86-1	
Bromochloromethane	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	74-97-5	
Bromodichloromethane	ND	ug/kg	35.8	1	03/21/24 19:43	03/22/24 06:08	75-27-4	
Bromoform	ND	ug/kg	35.8	1	03/21/24 19:43	03/22/24 06:08	75-25-2	
Bromomethane	ND	ug/kg	35.8	1	03/21/24 19:43	03/22/24 06:08	74-83-9	
2-Butanone (MEK)	ND	ug/kg	173	1	03/21/24 19:43	03/22/24 06:08	78-93-3	
n-Butylbenzene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	104-51-8	
sec-Butylbenzene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	135-98-8	
tert-Butylbenzene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	98-06-6	
Carbon disulfide	6.8J	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	75-15-0	
Carbon tetrachloride	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	56-23-5	
Chlorobenzene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	108-90-7	
Chloroethane	ND	ug/kg	68.8	1	03/21/24 19:43	03/22/24 06:08	75-00-3	
Chloroform	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	67-66-3	
Chloromethane	ND	ug/kg	35.8	1	03/21/24 19:43	03/22/24 06:08	74-87-3	
2-Chlorotoluene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	95-49-8	
4-Chlorotoluene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	35.8	1	03/21/24 19:43	03/22/24 06:08	96-12-8	
Dibromochloromethane	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	106-93-4	
Dibromomethane	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	35.8	1	03/21/24 19:43	03/22/24 06:08	75-71-8	
1,1-Dichloroethane	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	75-34-3	
1,2-Dichloroethane	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	27.5	1	03/21/24 19:43	03/22/24 06:08	540-59-0	
1,1-Dichloroethene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	156-60-5	

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## ANALYTICAL RESULTS

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

Sample: G-02 Lab ID: 60449298002 Collected: 03/18/24 10:10 Received: 03/20/24 05:40 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C MSV 5035A Low Level</b>		Analytical Method: EPA 8260C Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City						
1,2-Dichloropropane	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	78-87-5	
1,3-Dichloropropane	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	142-28-9	
2,2-Dichloropropane	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	594-20-7	
1,1-Dichloropropene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	10061-02-6	
Ethylbenzene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	87-68-3	
2-Hexanone	ND	ug/kg	173	1	03/21/24 19:43	03/22/24 06:08	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	98-82-8	
p-Isopropyltoluene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	99-87-6	
Methylene Chloride	ND	ug/kg	68.8	1	03/21/24 19:43	03/22/24 06:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	173	1	03/21/24 19:43	03/22/24 06:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	1634-04-4	
Naphthalene	ND	ug/kg	27.5	1	03/21/24 19:43	03/22/24 06:08	91-20-3	
n-Propylbenzene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	103-65-1	
Styrene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	79-34-5	
Tetrachloroethene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	127-18-4	
Toluene	ND	ug/kg	55.0	1	03/21/24 19:43	03/22/24 06:08	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	79-00-5	
Trichloroethene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	79-01-6	
Trichlorofluoromethane	ND	ug/kg	35.8	1	03/21/24 19:43	03/22/24 06:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	13.8	1	03/21/24 19:43	03/22/24 06:08	108-67-8	
Vinyl chloride	ND	ug/kg	35.8	1	03/21/24 19:43	03/22/24 06:08	75-01-4	
Xylene (Total)	ND	ug/kg	41.3	1	03/21/24 19:43	03/22/24 06:08	1330-20-7	
<b>Surrogates</b>								
Toluene-d8 (S)	105	%	80-120	1	03/21/24 19:43	03/22/24 06:08	2037-26-5	
4-Bromofluorobenzene (S)	101	%	83-119	1	03/21/24 19:43	03/22/24 06:08	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	80-120	1	03/21/24 19:43	03/22/24 06:08	2199-69-1	

**Percent Moisture**

Analytical Method: ASTM D2974

Pace Analytical Services - Kansas City

Percent Moisture	21.2	%	0.50	1	03/20/24 14:36
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## ANALYTICAL RESULTS

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

Sample: G-03 Lab ID: 60449298003 Collected: 03/18/24 10:50 Received: 03/20/24 05:40 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	53.7	1	03/22/24 08:44	03/25/24 21:52	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	53.7	1	03/22/24 08:44	03/25/24 21:52	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	53.7	1	03/22/24 08:44	03/25/24 21:52	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	53.7	1	03/22/24 08:44	03/25/24 21:52	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	53.7	1	03/22/24 08:44	03/25/24 21:52	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	53.7	1	03/22/24 08:44	03/25/24 21:52	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	53.7	1	03/22/24 08:44	03/25/24 21:52	11096-82-5	
<b>Surrogates</b>								
Decachlorobiphenyl (S)	96	%	20-120	1	03/22/24 08:44	03/25/24 21:52	2051-24-3	
<b>6010 MET ICP Red. Interference</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	14.0	mg/kg	1.2	1	03/22/24 11:15	03/25/24 12:18	7440-38-2	
Barium	563	mg/kg	0.61	1	03/22/24 11:15	03/25/24 12:18	7440-39-3	
Cadmium	4.3	mg/kg	0.61	1	03/22/24 11:15	03/25/24 12:18	7440-43-9	
Chromium	40.8	mg/kg	0.61	1	03/22/24 11:15	03/25/24 12:18	7440-47-3	
Lead	577	mg/kg	1.2	1	03/22/24 11:15	03/25/24 12:18	7439-92-1	
Selenium	1.2J	mg/kg	1.8	1	03/22/24 11:15	03/25/24 12:18	7782-49-2	
Silver	0.54J	mg/kg	0.85	1	03/22/24 11:15	03/25/24 12:18	7440-22-4	
<b>7471 Mercury</b>								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	0.54	mg/kg	0.077	1	03/22/24 12:08	03/22/24 14:46	7439-97-6	M1, R1
<b>8270 MSSV PAH by SIM</b>								
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	476	ug/kg	266	10	03/20/24 13:35	03/21/24 20:11	83-32-9	
Acenaphthylene	212J	ug/kg	266	10	03/20/24 13:35	03/21/24 20:11	208-96-8	
Anthracene	1350	ug/kg	266	10	03/20/24 13:35	03/21/24 20:11	120-12-7	
Benzo(a)anthracene	3590	ug/kg	266	10	03/20/24 13:35	03/21/24 20:11	56-55-3	
Benzo(a)pyrene	2800	ug/kg	266	10	03/20/24 13:35	03/21/24 20:11	50-32-8	
Benzo(b)fluoranthene	4070	ug/kg	266	10	03/20/24 13:35	03/21/24 20:11	205-99-2	
Benzo(g,h,i)perylene	1600	ug/kg	266	10	03/20/24 13:35	03/21/24 20:11	191-24-2	
Benzo(k)fluoranthene	1140	ug/kg	266	10	03/20/24 13:35	03/21/24 20:11	207-08-9	
Chrysene	3070	ug/kg	266	10	03/20/24 13:35	03/21/24 20:11	218-01-9	
Dibenz(a,h)anthracene	473	ug/kg	266	10	03/20/24 13:35	03/21/24 20:11	53-70-3	
Fluoranthene	8050	ug/kg	266	10	03/20/24 13:35	03/21/24 20:11	206-44-0	
Fluorene	545	ug/kg	266	10	03/20/24 13:35	03/21/24 20:11	86-73-7	
Indeno(1,2,3-cd)pyrene	1410	ug/kg	266	10	03/20/24 13:35	03/21/24 20:11	193-39-5	
Naphthalene	422	ug/kg	266	10	03/20/24 13:35	03/21/24 20:11	91-20-3	
Phenanthrene	5720	ug/kg	266	10	03/20/24 13:35	03/21/24 20:11	85-01-8	
Pyrene	6620	ug/kg	266	10	03/20/24 13:35	03/21/24 20:11	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	0	%	40-120	10	03/20/24 13:35	03/21/24 20:11	321-60-8	D4,P3, S4

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## ANALYTICAL RESULTS

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

Sample: G-03 Lab ID: 60449298003 Collected: 03/18/24 10:50 Received: 03/20/24 05:40 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>								
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
<b>Surrogates</b>								
Terphenyl-d14 (S)	0	%	45-130	10	03/20/24 13:35	03/21/24 20:11	1718-51-0	S4
<b>8260C MSV 5035A Low Level</b>								
Analytical Method: EPA 8260C Preparation Method: EPA 5035A/5030B								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	435	1	03/21/24 19:43	03/22/24 06:27	67-64-1	
Benzene	45.7	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	71-43-2	
Bromobenzene	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	108-86-1	
Bromochloromethane	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	74-97-5	
Bromodichloromethane	ND	ug/kg	89.8	1	03/21/24 19:43	03/22/24 06:27	75-27-4	
Bromoform	ND	ug/kg	89.8	1	03/21/24 19:43	03/22/24 06:27	75-25-2	
Bromomethane	ND	ug/kg	89.8	1	03/21/24 19:43	03/22/24 06:27	74-83-9	
2-Butanone (MEK)	ND	ug/kg	435	1	03/21/24 19:43	03/22/24 06:27	78-93-3	
n-Butylbenzene	114	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	104-51-8	
sec-Butylbenzene	98.0	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	135-98-8	
tert-Butylbenzene	5.3J	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	98-06-6	
Carbon disulfide	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	75-15-0	
Carbon tetrachloride	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	56-23-5	
Chlorobenzene	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	108-90-7	
Chloroethane	ND	ug/kg	173	1	03/21/24 19:43	03/22/24 06:27	75-00-3	
Chloroform	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	67-66-3	
Chloromethane	ND	ug/kg	89.8	1	03/21/24 19:43	03/22/24 06:27	74-87-3	
2-Chlorotoluene	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	95-49-8	
4-Chlorotoluene	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	89.8	1	03/21/24 19:43	03/22/24 06:27	96-12-8	
Dibromochloromethane	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	106-93-4	
Dibromomethane	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	89.8	1	03/21/24 19:43	03/22/24 06:27	75-71-8	
1,1-Dichloroethane	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	75-34-3	
1,2-Dichloroethane	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	69.1	1	03/21/24 19:43	03/22/24 06:27	540-59-0	
1,1-Dichloroethene	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	156-60-5	
1,2-Dichloropropane	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	78-87-5	
1,3-Dichloropropane	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	142-28-9	
2,2-Dichloropropane	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	594-20-7	
1,1-Dichloropropene	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	10061-02-6	
Ethylbenzene	71.6	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	100-41-4	

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## ANALYTICAL RESULTS

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

Sample: G-03 Lab ID: 60449298003 Collected: 03/18/24 10:50 Received: 03/20/24 05:40 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C MSV 5035A Low Level</b>		Analytical Method: EPA 8260C Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City						
Hexachloro-1,3-butadiene	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	87-68-3	
2-Hexanone	ND	ug/kg	435	1	03/21/24 19:43	03/22/24 06:27	591-78-6	
Isopropylbenzene (Cumene)	130	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	98-82-8	
p-Isopropyltoluene	170	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	99-87-6	
Methylene Chloride	ND	ug/kg	173	1	03/21/24 19:43	03/22/24 06:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	435	1	03/21/24 19:43	03/22/24 06:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	1634-04-4	
Naphthalene	602	ug/kg	69.1	1	03/21/24 19:43	03/22/24 06:27	91-20-3	
n-Propylbenzene	153	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	103-65-1	
Styrene	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	79-34-5	
Tetrachloroethene	10.6J	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	127-18-4	
Toluene	123J	ug/kg	138	1	03/21/24 19:43	03/22/24 06:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	79-00-5	
Trichloroethene	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	79-01-6	
Trichlorofluoromethane	ND	ug/kg	89.8	1	03/21/24 19:43	03/22/24 06:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	96-18-4	
1,2,4-Trimethylbenzene	729	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	95-63-6	
1,3,5-Trimethylbenzene	195	ug/kg	34.6	1	03/21/24 19:43	03/22/24 06:27	108-67-8	
Vinyl chloride	ND	ug/kg	89.8	1	03/21/24 19:43	03/22/24 06:27	75-01-4	
Xylene (Total)	1450	ug/kg	104	1	03/21/24 19:43	03/22/24 06:27	1330-20-7	
<b>Surrogates</b>								
Toluene-d8 (S)	103	%	80-120	1	03/21/24 19:43	03/22/24 06:27	2037-26-5	
4-Bromofluorobenzene (S)	100	%	83-119	1	03/21/24 19:43	03/22/24 06:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	80-120	1	03/21/24 19:43	03/22/24 06:27	2199-69-1	

## Percent Moisture

Analytical Method: ASTM D2974

Pace Analytical Services - Kansas City

Percent Moisture	38.7	%	0.50	1		03/20/24 14:36		
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## ANALYTICAL RESULTS

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

Sample: G-04 Lab ID: 60449298004 Collected: 03/18/24 11:40 Received: 03/20/24 05:40 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>		Analytical Method: EPA 8082 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
PCB-1016 (Aroclor 1016)	ND	ug/kg	40.8	1	03/22/24 08:44	03/25/24 22:00	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	40.8	1	03/22/24 08:44	03/25/24 22:00	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	40.8	1	03/22/24 08:44	03/25/24 22:00	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	40.8	1	03/22/24 08:44	03/25/24 22:00	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	40.8	1	03/22/24 08:44	03/25/24 22:00	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	40.8	1	03/22/24 08:44	03/25/24 22:00	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	40.8	1	03/22/24 08:44	03/25/24 22:00	11096-82-5	
<b>Surrogates</b>								
Decachlorobiphenyl (S)	104	%	20-120	1	03/22/24 08:44	03/25/24 22:00	2051-24-3	
<b>8260C MSV 5035A Low Level</b>		Analytical Method: EPA 8260C Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City						
Acetone	ND	ug/kg	219	1	03/21/24 19:43	03/22/24 06:47	67-64-1	
Benzene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	71-43-2	
Bromobenzene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	108-86-1	
Bromochloromethane	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	74-97-5	
Bromodichloromethane	ND	ug/kg	45.2	1	03/21/24 19:43	03/22/24 06:47	75-27-4	
Bromoform	ND	ug/kg	45.2	1	03/21/24 19:43	03/22/24 06:47	75-25-2	
Bromomethane	ND	ug/kg	45.2	1	03/21/24 19:43	03/22/24 06:47	74-83-9	
2-Butanone (MEK)	ND	ug/kg	219	1	03/21/24 19:43	03/22/24 06:47	78-93-3	
n-Butylbenzene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	104-51-8	
sec-Butylbenzene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	135-98-8	
tert-Butylbenzene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	98-06-6	
Carbon disulfide	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	75-15-0	
Carbon tetrachloride	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	56-23-5	
Chlorobenzene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	108-90-7	
Chloroethane	ND	ug/kg	86.9	1	03/21/24 19:43	03/22/24 06:47	75-00-3	
Chloroform	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	67-66-3	
Chloromethane	ND	ug/kg	45.2	1	03/21/24 19:43	03/22/24 06:47	74-87-3	
2-Chlorotoluene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	95-49-8	
4-Chlorotoluene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	45.2	1	03/21/24 19:43	03/22/24 06:47	96-12-8	
Dibromochloromethane	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	106-93-4	
Dibromomethane	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	45.2	1	03/21/24 19:43	03/22/24 06:47	75-71-8	
1,1-Dichloroethane	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	75-34-3	
1,2-Dichloroethane	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	34.8	1	03/21/24 19:43	03/22/24 06:47	540-59-0	
1,1-Dichloroethene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	156-60-5	

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## ANALYTICAL RESULTS

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

Sample: G-04 Lab ID: 60449298004 Collected: 03/18/24 11:40 Received: 03/20/24 05:40 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C MSV 5035A Low Level</b>		Analytical Method: EPA 8260C Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City						
1,2-Dichloropropane	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	78-87-5	
1,3-Dichloropropane	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	142-28-9	
2,2-Dichloropropane	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	594-20-7	
1,1-Dichloropropene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	10061-02-6	
Ethylbenzene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	87-68-3	
2-Hexanone	ND	ug/kg	219	1	03/21/24 19:43	03/22/24 06:47	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	98-82-8	
p-Isopropyltoluene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	99-87-6	
Methylene Chloride	ND	ug/kg	86.9	1	03/21/24 19:43	03/22/24 06:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	219	1	03/21/24 19:43	03/22/24 06:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	1634-04-4	
Naphthalene	ND	ug/kg	34.8	1	03/21/24 19:43	03/22/24 06:47	91-20-3	
n-Propylbenzene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	103-65-1	
Styrene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	79-34-5	
Tetrachloroethene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	127-18-4	
Toluene	ND	ug/kg	69.5	1	03/21/24 19:43	03/22/24 06:47	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	79-00-5	
Trichloroethene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	79-01-6	
Trichlorofluoromethane	ND	ug/kg	45.2	1	03/21/24 19:43	03/22/24 06:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	17.4	1	03/21/24 19:43	03/22/24 06:47	108-67-8	
Vinyl chloride	ND	ug/kg	45.2	1	03/21/24 19:43	03/22/24 06:47	75-01-4	
Xylene (Total)	ND	ug/kg	52.2	1	03/21/24 19:43	03/22/24 06:47	1330-20-7	
<b>Surrogates</b>								
Toluene-d8 (S)	104	%	80-120	1	03/21/24 19:43	03/22/24 06:47	2037-26-5	
4-Bromofluorobenzene (S)	100	%	83-119	1	03/21/24 19:43	03/22/24 06:47	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	80-120	1	03/21/24 19:43	03/22/24 06:47	2199-69-1	

**Percent Moisture**

Analytical Method: ASTM D2974

Pace Analytical Services - Kansas City

Percent Moisture	<b>20.8</b>	%	0.50	1	03/20/24 14:36
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## ANALYTICAL RESULTS

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

Sample: G-05 Lab ID: 60449298005 Collected: 03/18/24 12:10 Received: 03/20/24 05:40 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	40.3	1	03/22/24 08:44	03/25/24 22:07	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	40.3	1	03/22/24 08:44	03/25/24 22:07	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	40.3	1	03/22/24 08:44	03/25/24 22:07	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	40.3	1	03/22/24 08:44	03/25/24 22:07	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	40.3	1	03/22/24 08:44	03/25/24 22:07	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	40.3	1	03/22/24 08:44	03/25/24 22:07	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	40.3	1	03/22/24 08:44	03/25/24 22:07	11096-82-5	
<b>Surrogates</b>								
Decachlorobiphenyl (S)	103	%	20-120	1	03/22/24 08:44	03/25/24 22:07	2051-24-3	
<b>8260C MSV 5035A Low Level</b>								
Analytical Method: EPA 8260C Preparation Method: EPA 5035A/5030B								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	231	1	03/21/24 19:43	03/22/24 07:06	67-64-1	
Benzene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	71-43-2	
Bromobenzene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	108-86-1	
Bromochloromethane	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	74-97-5	
Bromodichloromethane	ND	ug/kg	47.6	1	03/21/24 19:43	03/22/24 07:06	75-27-4	
Bromoform	ND	ug/kg	47.6	1	03/21/24 19:43	03/22/24 07:06	75-25-2	
Bromomethane	ND	ug/kg	47.6	1	03/21/24 19:43	03/22/24 07:06	74-83-9	
2-Butanone (MEK)	ND	ug/kg	231	1	03/21/24 19:43	03/22/24 07:06	78-93-3	
n-Butylbenzene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	104-51-8	
sec-Butylbenzene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	135-98-8	
tert-Butylbenzene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	98-06-6	
Carbon disulfide	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	75-15-0	
Carbon tetrachloride	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	56-23-5	
Chlorobenzene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	108-90-7	
Chloroethane	ND	ug/kg	91.5	1	03/21/24 19:43	03/22/24 07:06	75-00-3	
Chloroform	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	67-66-3	
Chloromethane	ND	ug/kg	47.6	1	03/21/24 19:43	03/22/24 07:06	74-87-3	
2-Chlorotoluene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	95-49-8	
4-Chlorotoluene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	47.6	1	03/21/24 19:43	03/22/24 07:06	96-12-8	
Dibromochloromethane	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	106-93-4	
Dibromomethane	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	47.6	1	03/21/24 19:43	03/22/24 07:06	75-71-8	
1,1-Dichloroethane	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	75-34-3	
1,2-Dichloroethane	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	36.6	1	03/21/24 19:43	03/22/24 07:06	540-59-0	
1,1-Dichloroethene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	156-60-5	

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## ANALYTICAL RESULTS

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

Sample: G-05 Lab ID: 60449298005 Collected: 03/18/24 12:10 Received: 03/20/24 05:40 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C MSV 5035A Low Level</b>		Analytical Method: EPA 8260C Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City						
1,2-Dichloropropane	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	78-87-5	
1,3-Dichloropropane	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	142-28-9	
2,2-Dichloropropane	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	594-20-7	
1,1-Dichloropropene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	10061-02-6	
Ethylbenzene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	87-68-3	
2-Hexanone	ND	ug/kg	231	1	03/21/24 19:43	03/22/24 07:06	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	98-82-8	
p-Isopropyltoluene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	99-87-6	
Methylene Chloride	ND	ug/kg	91.5	1	03/21/24 19:43	03/22/24 07:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	231	1	03/21/24 19:43	03/22/24 07:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	1634-04-4	
Naphthalene	ND	ug/kg	36.6	1	03/21/24 19:43	03/22/24 07:06	91-20-3	
n-Propylbenzene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	103-65-1	
Styrene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	79-34-5	
Tetrachloroethene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	127-18-4	
Toluene	ND	ug/kg	73.2	1	03/21/24 19:43	03/22/24 07:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	79-00-5	
Trichloroethene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	79-01-6	
Trichlorofluoromethane	ND	ug/kg	47.6	1	03/21/24 19:43	03/22/24 07:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	18.3	1	03/21/24 19:43	03/22/24 07:06	108-67-8	
Vinyl chloride	ND	ug/kg	47.6	1	03/21/24 19:43	03/22/24 07:06	75-01-4	
Xylene (Total)	ND	ug/kg	54.9	1	03/21/24 19:43	03/22/24 07:06	1330-20-7	
<b>Surrogates</b>								
Toluene-d8 (S)	104	%	80-120	1	03/21/24 19:43	03/22/24 07:06	2037-26-5	
4-Bromofluorobenzene (S)	101	%	83-119	1	03/21/24 19:43	03/22/24 07:06	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	1	03/21/24 19:43	03/22/24 07:06	2199-69-1	

**Percent Moisture**

Analytical Method: ASTM D2974

Pace Analytical Services - Kansas City

Percent Moisture	<b>20.4</b>	%	0.50	1	03/20/24 14:36
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## ANALYTICAL RESULTS

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

Sample: G-06 Lab ID: 60449298006 Collected: 03/18/24 12:30 Received: 03/20/24 05:40 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB SW</b>		Analytical Method: EPA 8082 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
PCB-1016 (Aroclor 1016)	ND	ug/kg	40.2	1	03/22/24 08:44	03/25/24 22:14	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	40.2	1	03/22/24 08:44	03/25/24 22:14	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	40.2	1	03/22/24 08:44	03/25/24 22:14	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	40.2	1	03/22/24 08:44	03/25/24 22:14	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	40.2	1	03/22/24 08:44	03/25/24 22:14	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	40.2	1	03/22/24 08:44	03/25/24 22:14	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	40.2	1	03/22/24 08:44	03/25/24 22:14	11096-82-5	
<b>Surrogates</b>								
Decachlorobiphenyl (S)	97	%	20-120	1	03/22/24 08:44	03/25/24 22:14	2051-24-3	
<b>8260C MSV 5035A Low Level</b>		Analytical Method: EPA 8260C Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City						
Acetone	ND	ug/kg	397	1	03/21/24 19:43	03/22/24 07:26	67-64-1	
Benzene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	71-43-2	
Bromobenzene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	108-86-1	
Bromochloromethane	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	74-97-5	
Bromodichloromethane	ND	ug/kg	81.9	1	03/21/24 19:43	03/22/24 07:26	75-27-4	
Bromoform	ND	ug/kg	81.9	1	03/21/24 19:43	03/22/24 07:26	75-25-2	
Bromomethane	ND	ug/kg	81.9	1	03/21/24 19:43	03/22/24 07:26	74-83-9	
2-Butanone (MEK)	ND	ug/kg	397	1	03/21/24 19:43	03/22/24 07:26	78-93-3	
n-Butylbenzene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	104-51-8	
sec-Butylbenzene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	135-98-8	
tert-Butylbenzene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	98-06-6	
Carbon disulfide	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	75-15-0	
Carbon tetrachloride	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	56-23-5	
Chlorobenzene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	108-90-7	
Chloroethane	ND	ug/kg	157	1	03/21/24 19:43	03/22/24 07:26	75-00-3	
Chloroform	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	67-66-3	
Chloromethane	ND	ug/kg	81.9	1	03/21/24 19:43	03/22/24 07:26	74-87-3	
2-Chlorotoluene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	95-49-8	
4-Chlorotoluene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	81.9	1	03/21/24 19:43	03/22/24 07:26	96-12-8	
Dibromochloromethane	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	106-93-4	
Dibromomethane	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	81.9	1	03/21/24 19:43	03/22/24 07:26	75-71-8	
1,1-Dichloroethane	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	75-34-3	
1,2-Dichloroethane	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	63.0	1	03/21/24 19:43	03/22/24 07:26	540-59-0	
1,1-Dichloroethene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	156-60-5	

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## ANALYTICAL RESULTS

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

Sample: G-06 Lab ID: 60449298006 Collected: 03/18/24 12:30 Received: 03/20/24 05:40 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C MSV 5035A Low Level</b>		Analytical Method: EPA 8260C Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City						
1,2-Dichloropropane	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	78-87-5	
1,3-Dichloropropane	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	142-28-9	
2,2-Dichloropropane	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	594-20-7	
1,1-Dichloropropene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	10061-02-6	
Ethylbenzene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	87-68-3	
2-Hexanone	ND	ug/kg	397	1	03/21/24 19:43	03/22/24 07:26	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	98-82-8	
p-Isopropyltoluene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	99-87-6	
Methylene Chloride	ND	ug/kg	157	1	03/21/24 19:43	03/22/24 07:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	397	1	03/21/24 19:43	03/22/24 07:26	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	1634-04-4	
Naphthalene	ND	ug/kg	63.0	1	03/21/24 19:43	03/22/24 07:26	91-20-3	
n-Propylbenzene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	103-65-1	
Styrene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	79-34-5	
Tetrachloroethene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	127-18-4	
Toluene	ND	ug/kg	126	1	03/21/24 19:43	03/22/24 07:26	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	79-00-5	
Trichloroethene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	79-01-6	
Trichlorofluoromethane	ND	ug/kg	81.9	1	03/21/24 19:43	03/22/24 07:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	31.5	1	03/21/24 19:43	03/22/24 07:26	108-67-8	
Vinyl chloride	ND	ug/kg	81.9	1	03/21/24 19:43	03/22/24 07:26	75-01-4	
Xylene (Total)	ND	ug/kg	94.5	1	03/21/24 19:43	03/22/24 07:26	1330-20-7	
<b>Surrogates</b>								
Toluene-d8 (S)	105	%	80-120	1	03/21/24 19:43	03/22/24 07:26	2037-26-5	
4-Bromofluorobenzene (S)	101	%	83-119	1	03/21/24 19:43	03/22/24 07:26	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	80-120	1	03/21/24 19:43	03/22/24 07:26	2199-69-1	

**Percent Moisture**

Analytical Method: ASTM D2974

Pace Analytical Services - Kansas City

Percent Moisture	18.5	%	0.50	1	03/20/24 14:36
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## ANALYTICAL RESULTS

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

Sample: G-06 DUP Lab ID: 60449298007 Collected: 03/18/24 12:30 Received: 03/20/24 05:40 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C MSV 5035A Low Level</b>		Analytical Method: EPA 8260C Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City						
Acetone	ND	ug/kg	325	1	03/21/24 19:43	03/22/24 07:45	67-64-1	
Benzene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	71-43-2	
Bromobenzene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	108-86-1	
Bromochloromethane	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	74-97-5	
Bromodichloromethane	ND	ug/kg	67.0	1	03/21/24 19:43	03/22/24 07:45	75-27-4	
Bromoform	ND	ug/kg	67.0	1	03/21/24 19:43	03/22/24 07:45	75-25-2	
Bromomethane	ND	ug/kg	67.0	1	03/21/24 19:43	03/22/24 07:45	74-83-9	
2-Butanone (MEK)	ND	ug/kg	325	1	03/21/24 19:43	03/22/24 07:45	78-93-3	
n-Butylbenzene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	104-51-8	
sec-Butylbenzene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	135-98-8	
tert-Butylbenzene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	98-06-6	
Carbon disulfide	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	75-15-0	
Carbon tetrachloride	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	56-23-5	
Chlorobenzene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	108-90-7	
Chloroethane	ND	ug/kg	129	1	03/21/24 19:43	03/22/24 07:45	75-00-3	
Chloroform	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	67-66-3	
Chloromethane	6.5J	ug/kg	67.0	1	03/21/24 19:43	03/22/24 07:45	74-87-3	
2-Chlorotoluene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	95-49-8	
4-Chlorotoluene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	67.0	1	03/21/24 19:43	03/22/24 07:45	96-12-8	
Dibromochloromethane	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	106-93-4	
Dibromomethane	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	67.0	1	03/21/24 19:43	03/22/24 07:45	75-71-8	
1,1-Dichloroethane	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	75-34-3	
1,2-Dichloroethane	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	51.5	1	03/21/24 19:43	03/22/24 07:45	540-59-0	
1,1-Dichloroethene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	156-60-5	
1,2-Dichloropropane	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	78-87-5	
1,3-Dichloropropane	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	142-28-9	
2,2-Dichloropropane	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	594-20-7	
1,1-Dichloropropene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	10061-02-6	
Ethylbenzene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	87-68-3	
2-Hexanone	ND	ug/kg	325	1	03/21/24 19:43	03/22/24 07:45	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	98-82-8	
p-Isopropyltoluene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	99-87-6	
Methylene Chloride	ND	ug/kg	129	1	03/21/24 19:43	03/22/24 07:45	75-09-2	

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## ANALYTICAL RESULTS

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

Sample: G-06 DUP Lab ID: 60449298007 Collected: 03/18/24 12:30 Received: 03/20/24 05:40 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260C MSV 5035A Low Level</b>		Analytical Method: EPA 8260C Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City						
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	325	1	03/21/24 19:43	03/22/24 07:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	1634-04-4	
Naphthalene	ND	ug/kg	51.5	1	03/21/24 19:43	03/22/24 07:45	91-20-3	
n-Propylbenzene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	103-65-1	
Styrene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	79-34-5	
Tetrachloroethene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	127-18-4	
Toluene	ND	ug/kg	103	1	03/21/24 19:43	03/22/24 07:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	79-00-5	
Trichloroethene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	79-01-6	
Trichlorofluoromethane	ND	ug/kg	67.0	1	03/21/24 19:43	03/22/24 07:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	25.8	1	03/21/24 19:43	03/22/24 07:45	108-67-8	
Vinyl chloride	ND	ug/kg	67.0	1	03/21/24 19:43	03/22/24 07:45	75-01-4	
Xylene (Total)	ND	ug/kg	77.3	1	03/21/24 19:43	03/22/24 07:45	1330-20-7	
<b>Surrogates</b>								
Toluene-d8 (S)	107	%	80-120	1	03/21/24 19:43	03/22/24 07:45	2037-26-5	
4-Bromofluorobenzene (S)	101	%	83-119	1	03/21/24 19:43	03/22/24 07:45	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	80-120	1	03/21/24 19:43	03/22/24 07:45	2199-69-1	

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**QUALITY CONTROL DATA**

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

QC Batch: 887436

Analysis Method: EPA 7471

QC Batch Method: EPA 7471

Analysis Description: 7471 Mercury

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60449298003

METHOD BLANK: 3512792

Matrix: Solid

Associated Lab Samples: 60449298003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.050	03/22/24 14:41	

LABORATORY CONTROL SAMPLE: 3512793

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.5	0.46	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3512794 3512795

Parameter	Units	3512794		3512795		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Mercury	mg/kg	0.54	0.77	0.77	2.0	1.3	187	100	75-125	41	20	E,M1, R1

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**QUALITY CONTROL DATA**

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

QC Batch: 887709

Analysis Method: EPA 6010

QC Batch Method: EPA 3050

Analysis Description: 6010 MET

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60449298003

METHOD BLANK: 3513892

Matrix: Solid

Associated Lab Samples: 60449298003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	1.0	03/25/24 12:08	
Barium	mg/kg	ND	0.50	03/25/24 12:08	
Cadmium	mg/kg	ND	0.50	03/25/24 12:08	
Chromium	mg/kg	ND	0.50	03/25/24 12:08	
Lead	mg/kg	ND	1.0	03/25/24 12:08	
Selenium	mg/kg	ND	1.5	03/25/24 12:08	
Silver	mg/kg	ND	0.70	03/25/24 12:08	

LABORATORY CONTROL SAMPLE: 3513893

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	98	84.6	86	80-120	
Barium	mg/kg	98	92.5	94	80-120	
Cadmium	mg/kg	98	90.7	93	80-120	
Chromium	mg/kg	98	93.2	95	80-120	
Lead	mg/kg	98	91.8	94	80-120	
Selenium	mg/kg	98	85.7	87	80-120	
Silver	mg/kg	49	42.0	86	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3513894 3513895

Parameter	Units	60449076001		3513894		3513895		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Arsenic	mg/kg	ND	90.9	90.9	66.8	75.4	73	82	75-125	12	20	M1	
Barium	mg/kg	30.5	90.9	90.9	109	118	87	97	75-125	8	20		
Cadmium	mg/kg	143	90.9	90.9	221	233	85	98	75-125	5	20		
Chromium	mg/kg	8.8	90.9	90.9	82.1	94.2	81	94	75-125	14	20		
Lead	mg/kg	457	90.9	90.9	509	571	57	126	75-125	12	20	M1	
Selenium	mg/kg	ND	90.9	90.9	65.5	74.7	72	82	75-125	13	20	M1	
Silver	mg/kg	ND	45.5	45.5	34.9	38.6	76	84	75-125	10	20		

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## QUALITY CONTROL DATA

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

QC Batch: 887690

Analysis Method: EPA 8260C

QC Batch Method: EPA 5035A/5030B

Analysis Description: 8260C MSV 5035A Low Level

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60449298001, 60449298002, 60449298003, 60449298004, 60449298005, 60449298006, 60449298007

METHOD BLANK: 3513853

Matrix: Solid

Associated Lab Samples: 60449298001, 60449298002, 60449298003, 60449298004, 60449298005, 60449298006, 60449298007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	03/22/24 01:17	
1,1,1-Trichloroethane	ug/kg	ND	5.0	03/22/24 01:17	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	03/22/24 01:17	
1,1,2-Trichloroethane	ug/kg	ND	5.0	03/22/24 01:17	
1,1-Dichloroethane	ug/kg	ND	5.0	03/22/24 01:17	
1,1-Dichloroethene	ug/kg	ND	5.0	03/22/24 01:17	
1,1-Dichloropropene	ug/kg	ND	5.0	03/22/24 01:17	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	03/22/24 01:17	
1,2,3-Trichloropropane	ug/kg	ND	5.0	03/22/24 01:17	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	03/22/24 01:17	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	03/22/24 01:17	
1,2-Dibromo-3-chloropropane	ug/kg	ND	13.0	03/22/24 01:17	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	03/22/24 01:17	
1,2-Dichlorobenzene	ug/kg	ND	5.0	03/22/24 01:17	
1,2-Dichloroethane	ug/kg	ND	5.0	03/22/24 01:17	
1,2-Dichloroethene (Total)	ug/kg	ND	10.0	03/22/24 01:17	
1,2-Dichloropropane	ug/kg	ND	5.0	03/22/24 01:17	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	03/22/24 01:17	
1,3-Dichlorobenzene	ug/kg	ND	5.0	03/22/24 01:17	
1,3-Dichloropropane	ug/kg	ND	5.0	03/22/24 01:17	
1,4-Dichlorobenzene	ug/kg	ND	5.0	03/22/24 01:17	
2,2-Dichloropropane	ug/kg	ND	5.0	03/22/24 01:17	
2-Butanone (MEK)	ug/kg	ND	63.0	03/22/24 01:17	
2-Chlorotoluene	ug/kg	ND	5.0	03/22/24 01:17	
2-Hexanone	ug/kg	ND	63.0	03/22/24 01:17	
4-Chlorotoluene	ug/kg	ND	5.0	03/22/24 01:17	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	63.0	03/22/24 01:17	
Acetone	ug/kg	ND	63.0	03/22/24 01:17	
Benzene	ug/kg	ND	5.0	03/22/24 01:17	
Bromobenzene	ug/kg	ND	5.0	03/22/24 01:17	
Bromochloromethane	ug/kg	ND	5.0	03/22/24 01:17	
Bromodichloromethane	ug/kg	ND	13.0	03/22/24 01:17	
Bromoform	ug/kg	ND	13.0	03/22/24 01:17	
Bromomethane	ug/kg	ND	13.0	03/22/24 01:17	
Carbon disulfide	ug/kg	ND	5.0	03/22/24 01:17	
Carbon tetrachloride	ug/kg	ND	5.0	03/22/24 01:17	
Chlorobenzene	ug/kg	ND	5.0	03/22/24 01:17	
Chloroethane	ug/kg	ND	25.0	03/22/24 01:17	
Chloroform	ug/kg	ND	5.0	03/22/24 01:17	
Chloromethane	ug/kg	ND	13.0	03/22/24 01:17	

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**QUALITY CONTROL DATA**

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

METHOD BLANK: 3513853

Matrix: Solid

Associated Lab Samples: 60449298001, 60449298002, 60449298003, 60449298004, 60449298005, 60449298006, 60449298007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	03/22/24 01:17	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	03/22/24 01:17	
Dibromochloromethane	ug/kg	ND	5.0	03/22/24 01:17	
Dibromomethane	ug/kg	ND	5.0	03/22/24 01:17	
Dichlorodifluoromethane	ug/kg	ND	13.0	03/22/24 01:17	
Ethylbenzene	ug/kg	ND	5.0	03/22/24 01:17	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	03/22/24 01:17	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	03/22/24 01:17	
Methyl-tert-butyl ether	ug/kg	ND	5.0	03/22/24 01:17	
Methylene Chloride	ug/kg	ND	25.0	03/22/24 01:17	
n-Butylbenzene	ug/kg	ND	5.0	03/22/24 01:17	
n-Propylbenzene	ug/kg	ND	5.0	03/22/24 01:17	
Naphthalene	ug/kg	ND	10.0	03/22/24 01:17	
p-Isopropyltoluene	ug/kg	ND	5.0	03/22/24 01:17	
sec-Butylbenzene	ug/kg	ND	5.0	03/22/24 01:17	
Styrene	ug/kg	ND	5.0	03/22/24 01:17	
tert-Butylbenzene	ug/kg	ND	5.0	03/22/24 01:17	
Tetrachloroethene	ug/kg	ND	5.0	03/22/24 01:17	
Toluene	ug/kg	ND	20.0	03/22/24 01:17	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	03/22/24 01:17	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	03/22/24 01:17	
Trichloroethene	ug/kg	ND	5.0	03/22/24 01:17	
Trichlorofluoromethane	ug/kg	ND	13.0	03/22/24 01:17	
Vinyl chloride	ug/kg	ND	13.0	03/22/24 01:17	
Xylene (Total)	ug/kg	ND	15.0	03/22/24 01:17	
1,2-Dichlorobenzene-d4 (S)	%	99	80-120	03/22/24 01:17	
4-Bromofluorobenzene (S)	%	103	83-119	03/22/24 01:17	
Toluene-d8 (S)	%	104	80-120	03/22/24 01:17	

LABORATORY CONTROL SAMPLE: 3513854

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	1250	1500	120	84-125	
1,1,1-Trichloroethane	ug/kg	1250	1310	104	81-121	
1,1,2,2-Tetrachloroethane	ug/kg	1250	1290	103	76-121	
1,1,2-Trichloroethane	ug/kg	1250	1370	110	83-118	
1,1-Dichloroethane	ug/kg	1250	1240	99	74-120	
1,1-Dichloroethene	ug/kg	1250	1300	104	71-124	
1,1-Dichloropropene	ug/kg	1250	1240	99	73-123	
1,2,3-Trichlorobenzene	ug/kg	1250	1090	87	81-123	
1,2,3-Trichloropropane	ug/kg	1250	1240	99	81-116	
1,2,4-Trichlorobenzene	ug/kg	1250	1190	96	79-126	
1,2,4-Trimethylbenzene	ug/kg	1250	1380	111	79-121	
1,2-Dibromo-3-chloropropane	ug/kg	1250	1110	89	74-125	

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## QUALITY CONTROL DATA

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

LABORATORY CONTROL SAMPLE: 3513854

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	1250	1400	112	64-137	
1,2-Dichlorobenzene	ug/kg	1250	1200	96	83-119	
1,2-Dichloroethane	ug/kg	1250	1190	95	58-128	
1,2-Dichloroethene (Total)	ug/kg	2500	2540	102	82-117	
1,2-Dichloropropane	ug/kg	1250	1270	102	77-122	
1,3,5-Trimethylbenzene	ug/kg	1250	1370	109	81-122	
1,3-Dichlorobenzene	ug/kg	1250	1290	103	83-119	
1,3-Dichloropropane	ug/kg	1250	1340	107	83-118	
1,4-Dichlorobenzene	ug/kg	1250	1220	97	83-116	
2,2-Dichloropropane	ug/kg	1250	1310	105	76-124	
2-Butanone (MEK)	ug/kg	6250	6060	97	63-122	
2-Chlorotoluene	ug/kg	1250	1330	106	79-119	
2-Hexanone	ug/kg	6250	6390	102	68-122	
4-Chlorotoluene	ug/kg	1250	1370	109	84-119	
4-Methyl-2-pentanone (MIBK)	ug/kg	6250	6590	105	63-128	
Acetone	ug/kg	6250	6260	100	55-124	
Benzene	ug/kg	1250	1190	95	67-126	
Bromobenzene	ug/kg	1250	1320	106	85-117	
Bromochloromethane	ug/kg	1250	1390	111	78-122	
Bromodichloromethane	ug/kg	1250	1270	101	82-120	
Bromoform	ug/kg	1250	1530	122	77-133	
Bromomethane	ug/kg	1250	1330	106	20-168	
Carbon disulfide	ug/kg	1250	1280	102	60-133	
Carbon tetrachloride	ug/kg	1250	1380	110	79-128	
Chlorobenzene	ug/kg	1250	1280	102	84-118	
Chloroethane	ug/kg	1250	1070	85	53-139	
Chloroform	ug/kg	1250	1230	99	82-120	
Chloromethane	ug/kg	1250	1030	82	33-143	
cis-1,2-Dichloroethene	ug/kg	1250	1210	96	83-117	
cis-1,3-Dichloropropene	ug/kg	1250	1390	111	80-122	
Dibromochloromethane	ug/kg	1250	1520	122	82-128	
Dibromomethane	ug/kg	1250	1340	107	82-119	
Dichlorodifluoromethane	ug/kg	1250	1210	97	12-159	
Ethylbenzene	ug/kg	1250	1340	107	69-127	
Hexachloro-1,3-butadiene	ug/kg	1250	1310	105	77-133	
Isopropylbenzene (Cumene)	ug/kg	1250	1420	113	83-122	
Methyl-tert-butyl ether	ug/kg	1250	1390	111	58-137	
Methylene Chloride	ug/kg	1250	1340	107	68-125	
n-Butylbenzene	ug/kg	1250	1290	104	73-131	
n-Propylbenzene	ug/kg	1250	1320	106	82-122	
Naphthalene	ug/kg	1250	1200	96	60-136	
p-Isopropyltoluene	ug/kg	1250	1370	109	74-129	
sec-Butylbenzene	ug/kg	1250	1310	105	71-133	
Styrene	ug/kg	1250	1480	119	84-121	
tert-Butylbenzene	ug/kg	1250	1370	110	81-122	
Tetrachloroethene	ug/kg	1250	1330	106	78-130	
Toluene	ug/kg	1250	1210	96	80-118	

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**QUALITY CONTROL DATA**

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

LABORATORY CONTROL SAMPLE: 3513854

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/kg	1250	1340	107	78-118	
trans-1,3-Dichloropropene	ug/kg	1250	1480	118	81-123	
Trichloroethene	ug/kg	1250	1270	102	78-127	
Trichlorofluoromethane	ug/kg	1250	1060	85	64-133	
Vinyl chloride	ug/kg	1250	1230	98	45-139	
Xylene (Total)	ug/kg	3750	4120	110	69-130	
1,2-Dichlorobenzene-d4 (S)	%			99	80-120	
4-Bromofluorobenzene (S)	%			103	83-119	
Toluene-d8 (S)	%			98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3513855 3513856

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		60449383008	Result	Spike Conc.	MSD Spike Conc.								
1,1,1,2-Tetrachloroethane	ug/kg	ND	1630	1630	1860	1860	114	114	12-128	0	59		
1,1,1-Trichloroethane	ug/kg	ND	1630	1630	1800	1730	110	106	15-131	4	75		
1,1,2,2-Tetrachloroethane	ug/kg	ND	1630	1630	1730	1700	106	104	10-132	2	65		
1,1,2-Trichloroethane	ug/kg	ND	1630	1630	1740	1720	107	105	14-132	1	54		
1,1-Dichloroethane	ug/kg	ND	1630	1630	1710	1610	105	99	23-126	6	64		
1,1-Dichloroethene	ug/kg	ND	1630	1630	1650	1690	101	104	20-129	3	80		
1,1-Dichloropropene	ug/kg	ND	1630	1630	1680	1600	103	98	15-127	5	78		
1,2,3-Trichlorobenzene	ug/kg	ND	1630	1630	1450	1420	89	87	10-124	2	67		
1,2,3-Trichloropropane	ug/kg	ND	1630	1630	1660	1630	102	100	19-125	2	51		
1,2,4-Trichlorobenzene	ug/kg	ND	1630	1630	1560	1520	95	93	10-129	3	73		
1,2,4-Trimethylbenzene	ug/kg	ND	1630	1630	1800	1730	110	106	10-124	4	68		
1,2-Dibromo-3-chloropropane	ug/kg	ND	1630	1630	1560	1490	96	91	10-135	5	56		
1,2-Dibromoethane (EDB)	ug/kg	ND	1630	1630	1760	1760	108	108	23-123	0	50		
1,2-Dichlorobenzene	ug/kg	ND	1630	1630	1590	1530	98	94	10-126	4	60		
1,2-Dichloroethane	ug/kg	ND	1630	1630	1700	1620	104	99	27-116	5	45		
1,2-Dichloroethene (Total)	ug/kg	ND	3270	3270	3210	3060	98	94	20-127	5	64		
1,2-Dichloropropane	ug/kg	ND	1630	1630	1740	1660	107	102	21-125	5	57		
1,3,5-Trimethylbenzene	ug/kg	ND	1630	1630	1790	1700	110	104	10-125	5	65		
1,3-Dichlorobenzene	ug/kg	ND	1630	1630	1670	1600	102	98	10-126	4	63		
1,3-Dichloropropane	ug/kg	ND	1630	1630	1750	1720	107	105	24-114	1	51		
1,4-Dichlorobenzene	ug/kg	ND	1630	1630	1610	1540	98	94	10-126	5	62		
2,2-Dichloropropane	ug/kg	ND	1630	1630	1460	1390	90	85	17-124	5	70		
2-Butanone (MEK)	ug/kg	ND	8160	8160	7730	7420	95	91	29-120	4	50		
2-Chlorotoluene	ug/kg	ND	1630	1630	1720	1660	105	101	10-138	4	70		
2-Hexanone	ug/kg	ND	8160	8160	8360	8030	102	98	25-121	4	51		
4-Chlorotoluene	ug/kg	ND	1630	1630	1720	1670	106	102	10-112	3	62		
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	8160	8160	8960	8640	110	106	23-131	4	50		
Acetone	ug/kg	ND	8160	8160	8650	8030	106	98	15-129	7	49		
Benzene	ug/kg	ND	1630	1630	1580	1520	97	93	17-134	4	53		
Bromobenzene	ug/kg	ND	1630	1630	1680	1650	103	101	10-129	2	63		

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## QUALITY CONTROL DATA

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		3513855			3513856							
Parameter	Units	60449383008 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual	
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD		
Bromochloromethane	ug/kg	ND	1630	1630	1790	1720	110	105	28-118	4	53	
Bromodichloromethane	ug/kg	ND	1630	1630	1760	1700	108	104	21-126	4	59	
Bromoform	ug/kg	ND	1630	1630	1940	1980	119	121	14-127	2	60	
Bromomethane	ug/kg	ND	1630	1630	1540	1590	94	97	10-121	3	67	
Carbon disulfide	ug/kg	ND	1630	1630	1590	1590	97	97	10-122	0	78	
Carbon tetrachloride	ug/kg	ND	1630	1630	1860	1800	114	110	10-134	3	82	
Chlorobenzene	ug/kg	ND	1630	1630	1630	1590	100	97	10-126	3	60	
Chloroethane	ug/kg	ND	1630	1630	1580	1490	97	91	10-133	6	79	
Chloroform	ug/kg	ND	1630	1630	1680	1590	103	97	24-126	5	60	
Chloromethane	ug/kg	ND	1630	1630	1230	1160	75	71	10-125	6	78	
cis-1,2-Dichloroethene	ug/kg	ND	1630	1630	1540	1470	94	90	18-131	4	62	
cis-1,3-Dichloropropene	ug/kg	ND	1630	1630	1840	1790	113	110	24-117	3	60	
Dibromochloromethane	ug/kg	ND	1630	1630	1900	1910	116	117	22-117	1	59	
Dibromomethane	ug/kg	ND	1630	1630	1790	1730	110	106	29-118	4	52	
Dichlorodifluoromethane	ug/kg	ND	1630	1630	1310	1260	80	77	10-161	4	84	
Ethylbenzene	ug/kg	ND	1630	1630	1700	1660	104	102	10-137	2	60	
Hexachloro-1,3-butadiene	ug/kg	ND	1630	1630	1620	1580	99	97	10-124	3	76	
Isopropylbenzene (Cumene)	ug/kg	ND	1630	1630	1870	1800	115	110	10-123	4	72	
Methyl-tert-butyl ether	ug/kg	ND	1630	1630	1770	1760	108	108	31-126	0	42	
Methylene Chloride	ug/kg	ND	1630	1630	1700	1610	104	99	23-117	5	59	
n-Butylbenzene	ug/kg	ND	1630	1630	1610	1540	99	94	10-130	4	78	
n-Propylbenzene	ug/kg	ND	1630	1630	1710	1650	105	101	10-121	4	70	
Naphthalene	ug/kg	ND	1630	1630	1580	1570	97	96	10-131	1	63	
p-Isopropyltoluene	ug/kg	ND	1630	1630	1780	1700	109	104	10-127	4	76	
sec-Butylbenzene	ug/kg	ND	1630	1630	1730	1670	106	102	10-137	4	81	
Styrene	ug/kg	ND	1630	1630	1900	1810	116	111	10-119	5	56	
tert-Butylbenzene	ug/kg	ND	1630	1630	1800	1750	110	107	10-121	3	80	
Tetrachloroethene	ug/kg	ND	1630	1630	1640	1640	100	100	10-131	0	78	
Toluene	ug/kg	ND	1630	1630	1520	1490	93	91	13-131	2	60	
trans-1,2-Dichloroethene	ug/kg	ND	1630	1630	1670	1590	102	97	22-125	5	70	
trans-1,3-Dichloropropene	ug/kg	ND	1630	1630	1850	1840	113	112	20-122	0	54	
Trichloroethene	ug/kg	ND	1630	1630	1690	1620	103	99	14-144	4	69	
Trichlorofluoromethane	ug/kg	ND	1630	1630	2010	1740	123	106	10-134	15	86	
Vinyl chloride	ug/kg	ND	1630	1630	1500	1470	92	90	10-141	2	81	
Xylene (Total)	ug/kg	ND	4900	4900	5330	5110	109	104	10-137	4	58	
1,2-Dichlorobenzene-d4 (S)	%						101	100	80-120			
4-Bromofluorobenzene (S)	%						102	101	83-119			
Toluene-d8 (S)	%						100	99	80-120			

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**QUALITY CONTROL DATA**

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

QC Batch: 887699 Analysis Method: EPA 8082  
 QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB  
 Laboratory: Pace Analytical Services - Kansas City  
 Associated Lab Samples: 60449298001, 60449298002, 60449298003, 60449298004, 60449298005, 60449298006

METHOD BLANK: 3513865 Matrix: Solid  
 Associated Lab Samples: 60449298001, 60449298002, 60449298003, 60449298004, 60449298005, 60449298006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	32.8	03/25/24 21:23	
PCB-1221 (Aroclor 1221)	ug/kg	ND	32.8	03/25/24 21:23	
PCB-1232 (Aroclor 1232)	ug/kg	ND	32.8	03/25/24 21:23	
PCB-1242 (Aroclor 1242)	ug/kg	ND	32.8	03/25/24 21:23	
PCB-1248 (Aroclor 1248)	ug/kg	ND	32.8	03/25/24 21:23	
PCB-1254 (Aroclor 1254)	ug/kg	ND	32.8	03/25/24 21:23	
PCB-1260 (Aroclor 1260)	ug/kg	ND	32.8	03/25/24 21:23	
Decachlorobiphenyl (S)	%	105	20-120	03/25/24 21:23	

LABORATORY CONTROL SAMPLE: 3513866

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	164	150	91	48-120	
PCB-1260 (Aroclor 1260)	ug/kg	164	163	99	55-120	
Decachlorobiphenyl (S)	%			103	20-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3513867 3513868

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		60449488001 Result	Spike Conc.	Spike Conc.	Conc.								
PCB-1016 (Aroclor 1016)	ug/kg	ND	269	268	263	256	98	95	48-120	3	40		
PCB-1260 (Aroclor 1260)	ug/kg	ND	269	268	286	279	106	104	55-120	2	40		
Decachlorobiphenyl (S)	%						90	87	20-120			40	

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## QUALITY CONTROL DATA

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

QC Batch: 887409

Analysis Method: EPA 8270 by SIM

QC Batch Method: EPA 3546

Analysis Description: 8270/3546 MSSV PAH by SIM

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60449298003

METHOD BLANK: 3512642

Matrix: Solid

Associated Lab Samples: 60449298003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/kg	ND	3.2	03/21/24 16:28	
Acenaphthylene	ug/kg	ND	3.2	03/21/24 16:28	
Anthracene	ug/kg	ND	3.2	03/21/24 16:28	
Benzo(a)anthracene	ug/kg	ND	3.2	03/21/24 16:28	
Benzo(a)pyrene	ug/kg	ND	3.2	03/21/24 16:28	
Benzo(b)fluoranthene	ug/kg	ND	3.2	03/21/24 16:28	
Benzo(g,h,i)perylene	ug/kg	ND	3.2	03/21/24 16:28	
Benzo(k)fluoranthene	ug/kg	ND	3.2	03/21/24 16:28	
Chrysene	ug/kg	ND	3.2	03/21/24 16:28	
Dibenz(a,h)anthracene	ug/kg	ND	3.2	03/21/24 16:28	
Fluoranthene	ug/kg	ND	3.2	03/21/24 16:28	
Fluorene	ug/kg	ND	3.2	03/21/24 16:28	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	3.2	03/21/24 16:28	
Naphthalene	ug/kg	ND	3.2	03/21/24 16:28	
Phenanthrene	ug/kg	ND	3.2	03/21/24 16:28	
Pyrene	ug/kg	ND	3.2	03/21/24 16:28	
2-Fluorobiphenyl (S)	%	85	40-120	03/21/24 16:28	
Terphenyl-d14 (S)	%	98	45-130	03/21/24 16:28	

LABORATORY CONTROL SAMPLE: 3512643

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/kg	32.5	29.5	91	45-120	
Acenaphthylene	ug/kg	32.5	30.0	92	50-120	
Anthracene	ug/kg	32.5	30.7	95	50-120	
Benzo(a)anthracene	ug/kg	32.5	33.5	103	55-125	
Benzo(a)pyrene	ug/kg	32.5	32.9	101	45-120	
Benzo(b)fluoranthene	ug/kg	32.5	34.7	107	50-125	
Benzo(g,h,i)perylene	ug/kg	32.5	33.5	103	40-120	
Benzo(k)fluoranthene	ug/kg	32.5	31.5	97	55-120	
Chrysene	ug/kg	32.5	31.5	97	55-120	
Dibenz(a,h)anthracene	ug/kg	32.5	33.6	103	40-125	
Fluoranthene	ug/kg	32.5	33.9	104	50-125	
Fluorene	ug/kg	32.5	30.6	94	50-120	
Indeno(1,2,3-cd)pyrene	ug/kg	32.5	34.5	106	44-125	
Naphthalene	ug/kg	32.5	29.5	91	45-120	
Phenanthrene	ug/kg	32.5	31.0	95	50-125	
Pyrene	ug/kg	32.5	32.6	100	50-125	
2-Fluorobiphenyl (S)	%			87	40-120	

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**QUALITY CONTROL DATA**

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

LABORATORY CONTROL SAMPLE: 3512643

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Terphenyl-d14 (S)	%			97	45-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3512644 3512645

Parameter	Units	60449092001		MSD		MSD		% Rec		Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec			
Acenaphthene	ug/kg	ND	38.5	38.6	33.4J	31.9J	87	82	10-150	42	
Acenaphthylene	ug/kg	ND	38.5	38.6	30.6J	32.6J	79	84	30-125	44	
Anthracene	ug/kg	ND	38.5	38.6	41.5	39.4	108	102	10-160	5	54
Benzo(a)anthracene	ug/kg	56.3	38.5	38.6	84.9	86.4	74	78	10-160	2	62
Benzo(a)pyrene	ug/kg	48.1	38.5	38.6	74.2	72.7	68	64	10-150	2	66
Benzo(b)fluoranthene	ug/kg	69.8	38.5	38.6	91.0	95.4	55	66	10-165	5	61
Benzo(g,h,i)perylene	ug/kg	61.8	38.5	38.6	86.5	87.0	64	65	10-155	1	58
Benzo(k)fluoranthene	ug/kg	ND	38.5	38.6	55.9	51.8	80	70	10-165	8	53
Chrysene	ug/kg	48.5	38.5	38.6	72.7	73.2	63	64	10-150	1	57
Dibenz(a,h)anthracene	ug/kg	ND	38.5	38.6	38.1J	41.5	99	107	10-175		48
Fluoranthene	ug/kg	86.1	38.5	38.6	120	119	88	86	10-180	0	54
Fluorene	ug/kg	ND	38.5	38.6	34.9J	34.1J	90	88	20-145		39
Indeno(1,2,3-cd)pyrene	ug/kg	ND	38.5	38.6	61.7	64.7	72	80	10-150	5	59
Naphthalene	ug/kg	ND	38.5	38.6	36.6J	37.3J	95	97	10-165		54
Phenanthrene	ug/kg	43.5	38.5	38.6	88.2	72.0	116	74	10-170	20	51
Pyrene	ug/kg	74.4	38.5	38.6	103	104	74	76	10-180	1	61
2-Fluorobiphenyl (S)	%						75	77	40-120		
Terphenyl-d14 (S)	%						80	85	45-130		D3

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### QUALITY CONTROL DATA

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

QC Batch: 887433

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60449298001, 60449298002, 60449298003, 60449298004, 60449298005, 60449298006

METHOD BLANK: 3512754

Matrix: Solid

Associated Lab Samples: 60449298001, 60449298002, 60449298003, 60449298004, 60449298005, 60449298006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	03/20/24 14:35	

SAMPLE DUPLICATE: 3512755

Parameter	Units	60449298001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.0	19.1	1	20	

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## QUALIFIERS

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

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### DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

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

D4 Sample was diluted due to the presence of high levels of target analytes.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

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

P3 Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.

R1 RPD value was outside control limits.

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Gateway, project # JSH0001.P2

Pace Project No.: 60449298

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60449298001	G-01	EPA 3546	887699	EPA 8082	887913
60449298002	G-02	EPA 3546	887699	EPA 8082	887913
60449298003	G-03	EPA 3546	887699	EPA 8082	887913
60449298004	G-04	EPA 3546	887699	EPA 8082	887913
60449298005	G-05	EPA 3546	887699	EPA 8082	887913
60449298006	G-06	EPA 3546	887699	EPA 8082	887913
60449298003	G-03	EPA 3050	887709	EPA 6010	887856
60449298003	G-03	EPA 7471	887436	EPA 7471	887816
60449298003	G-03	EPA 3546	887409	EPA 8270 by SIM	887490
60449298001	G-01	EPA 5035A/5030B	887690	EPA 8260C	887695
60449298002	G-02	EPA 5035A/5030B	887690	EPA 8260C	887695
60449298003	G-03	EPA 5035A/5030B	887690	EPA 8260C	887695
60449298004	G-04	EPA 5035A/5030B	887690	EPA 8260C	887695
60449298005	G-05	EPA 5035A/5030B	887690	EPA 8260C	887695
60449298006	G-06	EPA 5035A/5030B	887690	EPA 8260C	887695
60449298007	G-06 DUP	EPA 5035A/5030B	887690	EPA 8260C	887695
60449298001	G-01	ASTM D2974	887433		
60449298002	G-02	ASTM D2974	887433		
60449298003	G-03	ASTM D2974	887433		
60449298004	G-04	ASTM D2974	887433		
60449298005	G-05	ASTM D2974	887433		
60449298006	G-06	ASTM D2974	887433		

### REPORT OF LABORATORY ANALYSIS

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WO#: 60449298



DC#\_Title: ENV-FRM-LENE-0009\_Sample Cor

Revision: 2

Effective Date: 01/12/2022

Issued By: Lenexa

Client Name: HRP

Courier: FedEx  UPS  VIA  Clay  PEX  ECI  Pace  Xroads  Client  Other

Tracking #: \_\_\_\_\_ Pace Shipping Label Used? Yes  No

Custody Seal on Cooler/Box Present: Yes  No  Seals intact: Yes  No

Packing Material: Bubble Wrap  Bubble Bags  Foam  None  Other

Thermometer Used: T298 Type of Ice: Wet Blue  None

Cooler Temperature (°C): As-read 2.6 Corr. Factor -0.3 Corrected 2.3

Date and initials of person examining contents:

RV 3/20/24

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<u>4 Day</u>
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Sample labels match COC: Date / time / ID / analyses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples contain multiple phases? Matrix: <u>SL</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers requiring pH preservation in compliance? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only) <input type="checkbox"/> Yes <input type="checkbox"/> No		
Potassium iodide test strip turns blue/purple? (Preserve) <input type="checkbox"/> Yes <input type="checkbox"/> No		
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Samples from USDA Regulated Area: State: <u>MO</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: \_\_\_\_\_ Date: \_\_\_\_\_

Company Name: HRP Associates, Inc.  
 Street Address: 2500 S. Old Highway 94, St. Charles, MO 63303

Contact/Report To: Chris Tedder  
 Phone #: 314-200-4720  
 E-Mail: chris.tedder@hrpassociates.com  
 Cc E-Mail:

Customer Project #: Gateway, project # 15H0001.P2  
 Project Name: Gene Watson  
 Invoice E-Mail: gene.watson@hrpassociates.com  
 Purchase Order # (if applicable): ENV5504

Site Collection Info/Facility ID (as applicable):  
 Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET  
 Data Deliverables: Reportable [ ] Yes [ ] No

Regulatory Program (DW, RCRA, etc.) as applicable: Missouri  
 County / State origin of sample(s):

Rush (Pre-approval required): DW PWSID # or WW Permit # as applicable:  
 [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

Date Results Requested: 3/26/24  
 Field Filtered (if applicable): [ ] Yes [ ] No  
 Analysis:

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Date	Time	Collected or Composite End	# Cont.	Res. Results	Units
G-01	SS	G	3/18/24	0942				
G-02				1010				
G-03				1050				
G-04				1140				
G-05				1210				
G-06				1230				
G-06 Dup				1230				

Mercury	8082 GCS PCB SW	8082 GCS PCB SW	8082 GCS PCB SW: 8270 MSSV PAH by SIM	8260 MSV Full list	8260 MSV LL Full list	Percent Moisture
6010 MET ICP Red, Interference: 7471	X	X	X	X	X	
	X	X	X	X	X	
	X	X	X	X	X	
	X	X	X	X	X	
	X	X	X	X	X	
	X	X	X	X	X	

Additional Instructions from Pace\*:  
 Collected By: (Printed Name) Chris Tedder  
 Signature: *Chris Tedder*

Date/Time: 3/19/24 1325  
 Received by/Company: (Signature) *Chris Tedder*

Date/Time: 3/19/24 1325  
 Received by/Company: (Signature) *Chris Tedder*

Date/Time: 3/19/24 1325  
 Received by/Company: (Signature) *Chris Tedder*

Date/Time: 3/19/24 1325  
 Received by/Company: (Signature) *Chris Tedder*

Date/Time: 3/19/24 1325  
 Received by/Company: (Signature) *Chris Tedder*

Date/Time: 3/19/24 1325  
 Received by/Company: (Signature) *Chris Tedder*

**CHAIN-OF-CUSTODY Analytical Request Document**  
 Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY - Affix Workorder/Login Label Here  
 Scan QR Code for instructions

Specify Container Size \*\*  
 Identify Container Preservative Type \*\*\*

Analysis Requested

Proj. Mgr: Nolie Wood  
 AccNum / Client ID:  
 Table #:  
 Profile / Template: 16241  
 Prelog / Bottle Ord. ID: EZ 3083854

Preservation non-conformance identified for sample

\*\* Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL Vial, (7) Encore, (8) TerraCore, (9) 90mL, (10) Other

\*\*\* Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Thermometer ID: T298  
 Correction Factor (°C): -0.3  
 Obs. Temp (°C): 2.6  
 Corrected Temp (°C): 2.3

Tracking Number: 319014 0540

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 1 of 1

ENV-FRM-CORQ-0019\_v02\_110123 ©

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at <https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/>

Client: **HRP**

Profile #

Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3C	BP3Z	WPDU	ZPLC	Other						
1	SL						3																													
2							↓																													
3							↓																													
4																																				
5																																				
6																																				
7																																				
8	WT 2						↓																													
9	WT 2						↓																													
10																																				
11																																				
12																																				

3  
 ↓  
 2 (Trip Blank WT)  
 ↓  
 2 (Trip Blank SL)

Container Codes

Glass	Plastic	Misc.
DG9B 40mL bisulfate clear vial	BP1C 1L NaOH plastic	I Wipe/Swab
DG9H 40mL HCl amber vial	BP1N 1L HNO3 plastic	SP5T 120mL Coliform Na Thiosulfate
DG9M 40mL MeOH clear vial	BP1S 1L H2SO4 plastic	ZPLC Ziploc Bag
DG9Q 40mL TSP amber vial	BP1U 1L unpreserved plastic	AF Air Filter
DG9S 40mL H2SO4 amber vial	BP1Z 1L NaOH, Zn Acetate	C Air Cassettes
DG9T 40mL Na Thio amber vial	BP2C 500mL NaOH plastic	R Terracore Kit
DG9U 40mL amber unpreserved	BP2N 500mL HNO3 plastic	U Summa Can
VG9H 40mL HCl clear vial	BP2S 500mL H2SO4 plastic	
VG9T 40mL Na Thio. clear vial	BP2U 500mL unpreserved plastic	
VG9U 40mL unpreserved clear vial	BP2Z 500mL NaOH, Zn Acetate	
BG1S 1liter H2SO4 clear glass	BP3C 250mL NaOH plastic	
BG1U 1liter unpres glass	BP3F 250mL HNO3 plastic - field filtered	WT Water
BG3H 250mL HCL Clear glass	BP3N 250mL HNO3 plastic	SL Solid
BG3U 250mL Unpres Clear glass	BP3U 250mL unpreserved plastic	NAL Non-aqueous Liquid
WGDU 16oz clear soil jar	BP3S 250mL H2SO4 plastic	OL OIL
	BP3Z 250mL NaOH, Zn Acetate	WP Wipe
	BP4U 125mL unpreserved plastic	DW Drinking Water
	BP4N 125mL HNO3 plastic	
	BP4S 125mL H2SO4 plastic	
	WPDU 16oz unpreserved plastic	

Work Order Number: **60049298**