From: Dean, Janel <janel.dean@aecom.com>
Sent: Monday, March 30, 2020 12:13 PM
To: Schultz, Josie M - DNR
Subject: Village of Allouez Site on Webster Avenue
Attachments: F2 - PhaseII Soil Results.pdf; 40205219_frc.pdf

Hello Josie,

My name is Janel Dean, I work for AECOM at the Oshkosh office. I am contacting you in regards to the project located at the corner of Weber Ave and Derby Lane in the Village of Allouez, Wisconsin. Trevor Fuller with the Village of Allouez had contacted us in regards to your recommendations upon review of the Phase II we had conducted earlier this month at the site. During the Phase II, two soil boring locations (SP-104 and SP-102) had elevated PCE detections in the 0.5' to 1.5' bgs section of the borings. Per your recommendation to Trevor Fuller, we completed hand auger soil delineations at the location highlighted in the old figure from the Phase II attached in this email. Four borings were advanced to 1.5' to 2' below ground surface (bgs) around the two original borings (see attached figure) for eight borings in total. The borings were five (5) lateral feet from the original boring located in four opposing directions (north, south, east, and west) creating a square pattern around the original borings. Attached are the soil analytical results from the delineations, there were no VOC detections. What would you propose to be the next steps in this project?

Thank you for your time,
Janel Dean
Project Geologist
Central Region - Environment
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janel.dean@aecom.com

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

March 27, 2020

Janel Dean
AECOM
558 North Main Street
Oshkosh, WI 54901

RE: Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

Dear Janel Dean:
Enclosed are the analytical results for sample(s) received by the laboratory on March 25, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Christopher Hyska

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

Enclosures

cc: Katie Crotteau, AECOM

Pace Analytical Services, LLC
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CERTIFICATIONS

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

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

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SAMPLE SUMMARY

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40205219001	**SP-104-S (0.5-1.5')**	Solid	03/25/20 08:45	03/25/20 12:00
40205219002	**SP-104-E (0.5-1.5')**	Solid	03/25/20 09:20	03/25/20 12:00
40205219003	**SP-104-N (0.5-1.5')**	Solid	03/25/20 09:45	03/25/20 12:00
40205219004	**SP-104-W (0.5-1.5')**	Solid	03/25/20 10:10	03/25/20 12:00
40205219005	**SP-102-N (0.5-1')**	Solid	03/25/20 10:30	03/25/20 12:00
40205219006	**SP-102-W (0.5-1')**	Solid	03/25/20 10:50	03/25/20 12:00
40205219007	**SP-102-S (0.5-1')**	Solid	03/25/20 11:10	03/25/20 12:00
40205219008	**SP-102-E (0.5-1')**	Solid	03/25/20 11:30	03/25/20 12:00
40205219009	**DUP-1**	Solid	03/25/20 00:00	03/25/20 12:00
40205219010	**TB-1**	Solid	03/25/20 00:00	03/25/20 12:00

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SAMPLE ANALYTE COUNT

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40205219001	**SP-104-S (0.5-1.5')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	MLR	1	PASI-G
40205219002	**SP-104-E (0.5-1.5')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	MLR	1	PASI-G
40205219003	**SP-104-N (0.5-1.5')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	MLR	1	PASI-G
40205219004	**SP-104-W (0.5-1.5')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	MLR	1	PASI-G
40205219005	**SP-102-N (0.5-1')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	MLR	1	PASI-G
40205219006	**SP-102-W (0.5-1')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	MLR	1	PASI-G
40205219007	**SP-102-S (0.5-1')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	MLR	1	PASI-G
40205219008	**SP-102-E (0.5-1')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	MLR	1	PASI-G
40205219009	**DUP-1**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	MLR	1	PASI-G
40205219010	**TB-1**	EPA 8260	ALD	65	PASI-G

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SUMMARY OF DETECTION

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40205219001	**SP-104-S (0.5-1.5')**					
ASTM D2974-87	Percent Moisture	20.9	%	0.10	03/25/20 14:11	
40205219002	**SP-104-E (0.5-1.5')**					
ASTM D2974-87	Percent Moisture	13.8	%	0.10	03/26/20 17:35	
40205219003	**SP-104-N (0.5-1.5')**					
ASTM D2974-87	Percent Moisture	14.1	%	0.10	03/25/20 14:11	
40205219004	**SP-104-W (0.5-1.5')**					
ASTM D2974-87	Percent Moisture	18.3	%	0.10	03/25/20 14:11	
40205219005	**SP-102-N (0.5-1')**					
ASTM D2974-87	Percent Moisture	17.7	%	0.10	03/25/20 14:12	
40205219006	**SP-102-W (0.5-1')**					
ASTM D2974-87	Percent Moisture	17.3	%	0.10	03/25/20 14:12	
40205219007	**SP-102-S (0.5-1')**					
ASTM D2974-87	Percent Moisture	17.2	%	0.10	03/25/20 14:12	
40205219008	**SP-102-E (0.5-1')**					
ASTM D2974-87	Percent Moisture	15.8	%	0.10	03/25/20 14:12	
40205219009	**DUP-1**					
ASTM D2974-87	Percent Moisture	17.2	%	0.10	03/25/20 14:12	

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ANALYTICAL RESULTS

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

Sample: SP-104-S (0.5-1.5') **Lab ID: 40205219001** Collected: 03/25/20 08:45 Received: 03/25/20 12:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	62.0	25.0	1	03/26/20 08:30	03/26/20 21:24	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	70.0	25.0	1	03/26/20 08:30	03/26/20 21:24	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	75-27-4	W
Bromoform	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/26/20 21:24	75-25-2	W
Bromomethane	**<63.8**	ug/kg	250	63.8	1	03/26/20 08:30	03/26/20 21:24	74-83-9	W
n-Butylbenzene	**<30.0**	ug/kg	100	30.0	1	03/26/20 08:30	03/26/20 21:24	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/26/20 21:24	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	62.0	25.0	1	03/26/20 08:30	03/26/20 21:24	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	108-90-7	W
Chloroethane	**<46.4**	ug/kg	250	46.4	1	03/26/20 08:30	03/26/20 21:24	75-00-3	W
Chloroform	**<47.5**	ug/kg	250	47.5	1	03/26/20 08:30	03/26/20 21:24	67-66-3	W
Chloromethane	**<25.0**	ug/kg	80.0	25.0	1	03/26/20 08:30	03/26/20 21:24	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	64.0	25.0	1	03/26/20 08:30	03/26/20 21:24	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	64.0	25.0	1	03/26/20 08:30	03/26/20 21:24	106-43-4	W
1,2-Dibromo-3-chloropropane	**<237**	ug/kg	789	237	1	03/26/20 08:30	03/26/20 21:24	96-12-8	W
Dibromochloromethane	**<229**	ug/kg	763	229	1	03/26/20 08:30	03/26/20 21:24	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/26/20 21:24	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	67.0	25.0	1	03/26/20 08:30	03/26/20 21:24	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	563-58-6	W
cis-1,3-Dichloropropene	**<42.3**	ug/kg	141	42.3	1	03/26/20 08:30	03/26/20 21:24	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	74.0	25.0	1	03/26/20 08:30	03/26/20 21:24	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	100-41-4	W
Hexachloro-1,3-butadiene	**<68.7**	ug/kg	229	68.7	1	03/26/20 08:30	03/26/20 21:24	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/26/20 21:24	99-87-6	W
Methylene Chloride	**<26.3**	ug/kg	88.0	26.3	1	03/26/20 08:30	03/26/20 21:24	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	1634-04-4	W
Naphthalene	**<27.3**	ug/kg	91.0	27.3	1	03/26/20 08:30	03/26/20 21:24	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

Sample: SP-104-S (0.5-1.5') **Lab ID: 40205219001** Collected: 03/25/20 08:45 Received: 03/25/20 12:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	79-34-5	W
Tetrachloroethene	**<38.7**	ug/kg	129	38.7	1	03/26/20 08:30	03/26/20 21:24	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	108-88-3	W
1,2,3-Trichlorobenzene	**<47.3**	ug/kg	158	47.3	1	03/26/20 08:30	03/26/20 21:24	87-61-6	W
1,2,4-Trichlorobenzene	**<41.7**	ug/kg	250	41.7	1	03/26/20 08:30	03/26/20 21:24	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	65.0	25.0	1	03/26/20 08:30	03/26/20 21:24	75-69-4	W
1,2,3-Trichloropropane	**<37.4**	ug/kg	125	37.4	1	03/26/20 08:30	03/26/20 21:24	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	03/26/20 08:30	03/26/20 21:24	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	03/26/20 08:30	03/26/20 21:24	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:24	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	104	%	57-146		1	03/26/20 08:30	03/26/20 21:24	1868-53-7	
Toluene-d8 (S)	100	%	64-134		1	03/26/20 08:30	03/26/20 21:24	2037-26-5	
4-Bromofluorobenzene (S)	92	%	54-126		1	03/26/20 08:30	03/26/20 21:24	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.9**	%	0.10	0.10	1		03/25/20 14:11		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

Sample: SP-104-E (0.5-1.5') **Lab ID: 40205219002** Collected: 03/25/20 09:20 Received: 03/25/20 12:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	62.0	25.0	1	03/26/20 08:30	03/27/20 01:35	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	70.0	25.0	1	03/26/20 08:30	03/27/20 01:35	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	75-27-4	W
Bromoform	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 01:35	75-25-2	W
Bromomethane	**<63.8**	ug/kg	250	63.8	1	03/26/20 08:30	03/27/20 01:35	74-83-9	W
n-Butylbenzene	**<30.0**	ug/kg	100	30.0	1	03/26/20 08:30	03/27/20 01:35	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 01:35	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	62.0	25.0	1	03/26/20 08:30	03/27/20 01:35	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	108-90-7	W
Chloroethane	**<46.4**	ug/kg	250	46.4	1	03/26/20 08:30	03/27/20 01:35	75-00-3	W
Chloroform	**<47.5**	ug/kg	250	47.5	1	03/26/20 08:30	03/27/20 01:35	67-66-3	W
Chloromethane	**<25.0**	ug/kg	80.0	25.0	1	03/26/20 08:30	03/27/20 01:35	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	64.0	25.0	1	03/26/20 08:30	03/27/20 01:35	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	64.0	25.0	1	03/26/20 08:30	03/27/20 01:35	106-43-4	W
1,2-Dibromo-3-chloropropane	**<237**	ug/kg	789	237	1	03/26/20 08:30	03/27/20 01:35	96-12-8	W
Dibromochloromethane	**<229**	ug/kg	763	229	1	03/26/20 08:30	03/27/20 01:35	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 01:35	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	67.0	25.0	1	03/26/20 08:30	03/27/20 01:35	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	563-58-6	W
cis-1,3-Dichloropropene	**<42.3**	ug/kg	141	42.3	1	03/26/20 08:30	03/27/20 01:35	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	74.0	25.0	1	03/26/20 08:30	03/27/20 01:35	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	100-41-4	W
Hexachloro-1,3-butadiene	**<68.7**	ug/kg	229	68.7	1	03/26/20 08:30	03/27/20 01:35	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 01:35	99-87-6	W
Methylene Chloride	**<26.3**	ug/kg	88.0	26.3	1	03/26/20 08:30	03/27/20 01:35	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	1634-04-4	W
Naphthalene	**<27.3**	ug/kg	91.0	27.3	1	03/26/20 08:30	03/27/20 01:35	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

Sample: SP-104-E (0.5-1.5') **Lab ID: 40205219002** Collected: 03/25/20 09:20 Received: 03/25/20 12:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	79-34-5	W
Tetrachloroethene	**<38.7**	ug/kg	129	38.7	1	03/26/20 08:30	03/27/20 01:35	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	108-88-3	W
1,2,3-Trichlorobenzene	**<47.3**	ug/kg	158	47.3	1	03/26/20 08:30	03/27/20 01:35	87-61-6	W
1,2,4-Trichlorobenzene	**<41.7**	ug/kg	250	41.7	1	03/26/20 08:30	03/27/20 01:35	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	65.0	25.0	1	03/26/20 08:30	03/27/20 01:35	75-69-4	W
1,2,3-Trichloropropane	**<37.4**	ug/kg	125	37.4	1	03/26/20 08:30	03/27/20 01:35	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	03/26/20 08:30	03/27/20 01:35	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	03/26/20 08:30	03/27/20 01:35	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:35	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	118	%	57-146		1	03/26/20 08:30	03/27/20 01:35	1868-53-7	
Toluene-d8 (S)	109	%	64-134		1	03/26/20 08:30	03/27/20 01:35	2037-26-5	
4-Bromofluorobenzene (S)	100	%	54-126		1	03/26/20 08:30	03/27/20 01:35	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.8**	%	0.10	0.10	1		03/26/20 17:35		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

Sample: SP-104-N (0.5-1.5') **Lab ID: 40205219003** Collected: 03/25/20 09:45 Received: 03/25/20 12:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	62.0	25.0	1	03/26/20 08:30	03/27/20 01:58	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	70.0	25.0	1	03/26/20 08:30	03/27/20 01:58	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	75-27-4	W
Bromoform	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 01:58	75-25-2	W
Bromomethane	**<63.8**	ug/kg	250	63.8	1	03/26/20 08:30	03/27/20 01:58	74-83-9	W
n-Butylbenzene	**<30.0**	ug/kg	100	30.0	1	03/26/20 08:30	03/27/20 01:58	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 01:58	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	62.0	25.0	1	03/26/20 08:30	03/27/20 01:58	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	108-90-7	W
Chloroethane	**<46.4**	ug/kg	250	46.4	1	03/26/20 08:30	03/27/20 01:58	75-00-3	W
Chloroform	**<47.5**	ug/kg	250	47.5	1	03/26/20 08:30	03/27/20 01:58	67-66-3	W
Chloromethane	**<25.0**	ug/kg	80.0	25.0	1	03/26/20 08:30	03/27/20 01:58	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	64.0	25.0	1	03/26/20 08:30	03/27/20 01:58	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	64.0	25.0	1	03/26/20 08:30	03/27/20 01:58	106-43-4	W
1,2-Dibromo-3-chloropropane	**<237**	ug/kg	789	237	1	03/26/20 08:30	03/27/20 01:58	96-12-8	W
Dibromochloromethane	**<229**	ug/kg	763	229	1	03/26/20 08:30	03/27/20 01:58	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 01:58	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	67.0	25.0	1	03/26/20 08:30	03/27/20 01:58	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	563-58-6	W
cis-1,3-Dichloropropene	**<42.3**	ug/kg	141	42.3	1	03/26/20 08:30	03/27/20 01:58	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	74.0	25.0	1	03/26/20 08:30	03/27/20 01:58	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	100-41-4	W
Hexachloro-1,3-butadiene	**<68.7**	ug/kg	229	68.7	1	03/26/20 08:30	03/27/20 01:58	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 01:58	99-87-6	W
Methylene Chloride	**<26.3**	ug/kg	88.0	26.3	1	03/26/20 08:30	03/27/20 01:58	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	1634-04-4	W
Naphthalene	**<27.3**	ug/kg	91.0	27.3	1	03/26/20 08:30	03/27/20 01:58	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

Sample: SP-104-N (0.5-1.5') **Lab ID: 40205219003** Collected: 03/25/20 09:45 Received: 03/25/20 12:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	79-34-5	W
Tetrachloroethene	**<38.7**	ug/kg	129	38.7	1	03/26/20 08:30	03/27/20 01:58	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	108-88-3	W
1,2,3-Trichlorobenzene	**<47.3**	ug/kg	158	47.3	1	03/26/20 08:30	03/27/20 01:58	87-61-6	W
1,2,4-Trichlorobenzene	**<41.7**	ug/kg	250	41.7	1	03/26/20 08:30	03/27/20 01:58	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	65.0	25.0	1	03/26/20 08:30	03/27/20 01:58	75-69-4	W
1,2,3-Trichloropropane	**<37.4**	ug/kg	125	37.4	1	03/26/20 08:30	03/27/20 01:58	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	03/26/20 08:30	03/27/20 01:58	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	03/26/20 08:30	03/27/20 01:58	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 01:58	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	109	%	57-146		1	03/26/20 08:30	03/27/20 01:58	1868-53-7	
Toluene-d8 (S)	106	%	64-134		1	03/26/20 08:30	03/27/20 01:58	2037-26-5	
4-Bromofluorobenzene (S)	98	%	54-126		1	03/26/20 08:30	03/27/20 01:58	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.1**	%	0.10	0.10	1		03/25/20 14:11		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

Sample: SP-104-W (0.5-1.5') **Lab ID: 40205219004** Collected: 03/25/20 10:10 Received: 03/25/20 12:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	62.0	25.0	1	03/26/20 08:30	03/27/20 02:21	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	70.0	25.0	1	03/26/20 08:30	03/27/20 02:21	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	75-27-4	W
Bromoform	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 02:21	75-25-2	W
Bromomethane	**<63.8**	ug/kg	250	63.8	1	03/26/20 08:30	03/27/20 02:21	74-83-9	W
n-Butylbenzene	**<30.0**	ug/kg	100	30.0	1	03/26/20 08:30	03/27/20 02:21	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 02:21	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	62.0	25.0	1	03/26/20 08:30	03/27/20 02:21	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	108-90-7	W
Chloroethane	**<46.4**	ug/kg	250	46.4	1	03/26/20 08:30	03/27/20 02:21	75-00-3	W
Chloroform	**<47.5**	ug/kg	250	47.5	1	03/26/20 08:30	03/27/20 02:21	67-66-3	W
Chloromethane	**<25.0**	ug/kg	80.0	25.0	1	03/26/20 08:30	03/27/20 02:21	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	64.0	25.0	1	03/26/20 08:30	03/27/20 02:21	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	64.0	25.0	1	03/26/20 08:30	03/27/20 02:21	106-43-4	W
1,2-Dibromo-3-chloropropane	**<237**	ug/kg	789	237	1	03/26/20 08:30	03/27/20 02:21	96-12-8	W
Dibromochloromethane	**<229**	ug/kg	763	229	1	03/26/20 08:30	03/27/20 02:21	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 02:21	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	67.0	25.0	1	03/26/20 08:30	03/27/20 02:21	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	563-58-6	W
cis-1,3-Dichloropropene	**<42.3**	ug/kg	141	42.3	1	03/26/20 08:30	03/27/20 02:21	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	74.0	25.0	1	03/26/20 08:30	03/27/20 02:21	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	100-41-4	W
Hexachloro-1,3-butadiene	**<68.7**	ug/kg	229	68.7	1	03/26/20 08:30	03/27/20 02:21	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 02:21	99-87-6	W
Methylene Chloride	**<26.3**	ug/kg	88.0	26.3	1	03/26/20 08:30	03/27/20 02:21	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	1634-04-4	W
Naphthalene	**<27.3**	ug/kg	91.0	27.3	1	03/26/20 08:30	03/27/20 02:21	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

Sample: SP-104-W (0.5-1.5') **Lab ID: 40205219004** Collected: 03/25/20 10:10 Received: 03/25/20 12:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	79-34-5	W
Tetrachloroethene	**<38.7**	ug/kg	129	38.7	1	03/26/20 08:30	03/27/20 02:21	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	108-88-3	W
1,2,3-Trichlorobenzene	**<47.3**	ug/kg	158	47.3	1	03/26/20 08:30	03/27/20 02:21	87-61-6	W
1,2,4-Trichlorobenzene	**<41.7**	ug/kg	250	41.7	1	03/26/20 08:30	03/27/20 02:21	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	65.0	25.0	1	03/26/20 08:30	03/27/20 02:21	75-69-4	W
1,2,3-Trichloropropane	**<37.4**	ug/kg	125	37.4	1	03/26/20 08:30	03/27/20 02:21	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	03/26/20 08:30	03/27/20 02:21	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	03/26/20 08:30	03/27/20 02:21	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:21	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	109	%	57-146		1	03/26/20 08:30	03/27/20 02:21	1868-53-7	
Toluene-d8 (S)	100	%	64-134		1	03/26/20 08:30	03/27/20 02:21	2037-26-5	
4-Bromofluorobenzene (S)	90	%	54-126		1	03/26/20 08:30	03/27/20 02:21	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.3**	%	0.10	0.10	1		03/25/20 14:11		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

Sample: SP-102-N (0.5-1') **Lab ID: 40205219005** Collected: 03/25/20 10:30 Received: 03/25/20 12:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	62.0	25.0	1	03/26/20 08:30	03/27/20 02:44	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	70.0	25.0	1	03/26/20 08:30	03/27/20 02:44	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	75-27-4	W
Bromoform	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 02:44	75-25-2	W
Bromomethane	**<63.8**	ug/kg	250	63.8	1	03/26/20 08:30	03/27/20 02:44	74-83-9	W
n-Butylbenzene	**<30.0**	ug/kg	100	30.0	1	03/26/20 08:30	03/27/20 02:44	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 02:44	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	62.0	25.0	1	03/26/20 08:30	03/27/20 02:44	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	108-90-7	W
Chloroethane	**<46.4**	ug/kg	250	46.4	1	03/26/20 08:30	03/27/20 02:44	75-00-3	W
Chloroform	**<47.5**	ug/kg	250	47.5	1	03/26/20 08:30	03/27/20 02:44	67-66-3	W
Chloromethane	**<25.0**	ug/kg	80.0	25.0	1	03/26/20 08:30	03/27/20 02:44	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	64.0	25.0	1	03/26/20 08:30	03/27/20 02:44	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	64.0	25.0	1	03/26/20 08:30	03/27/20 02:44	106-43-4	W
1,2-Dibromo-3-chloropropane	**<237**	ug/kg	789	237	1	03/26/20 08:30	03/27/20 02:44	96-12-8	W
Dibromochloromethane	**<229**	ug/kg	763	229	1	03/26/20 08:30	03/27/20 02:44	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 02:44	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	67.0	25.0	1	03/26/20 08:30	03/27/20 02:44	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	563-58-6	W
cis-1,3-Dichloropropene	**<42.3**	ug/kg	141	42.3	1	03/26/20 08:30	03/27/20 02:44	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	74.0	25.0	1	03/26/20 08:30	03/27/20 02:44	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	100-41-4	W
Hexachloro-1,3-butadiene	**<68.7**	ug/kg	229	68.7	1	03/26/20 08:30	03/27/20 02:44	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 02:44	99-87-6	W
Methylene Chloride	**<26.3**	ug/kg	88.0	26.3	1	03/26/20 08:30	03/27/20 02:44	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	1634-04-4	W
Naphthalene	**<27.3**	ug/kg	91.0	27.3	1	03/26/20 08:30	03/27/20 02:44	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

Sample: SP-102-N (0.5-1') **Lab ID: 40205219005** Collected: 03/25/20 10:30 Received: 03/25/20 12:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	79-34-5	W
Tetrachloroethene	**<38.7**	ug/kg	129	38.7	1	03/26/20 08:30	03/27/20 02:44	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	108-88-3	W
1,2,3-Trichlorobenzene	**<47.3**	ug/kg	158	47.3	1	03/26/20 08:30	03/27/20 02:44	87-61-6	W
1,2,4-Trichlorobenzene	**<41.7**	ug/kg	250	41.7	1	03/26/20 08:30	03/27/20 02:44	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	65.0	25.0	1	03/26/20 08:30	03/27/20 02:44	75-69-4	W
1,2,3-Trichloropropane	**<37.4**	ug/kg	125	37.4	1	03/26/20 08:30	03/27/20 02:44	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	03/26/20 08:30	03/27/20 02:44	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	03/26/20 08:30	03/27/20 02:44	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 02:44	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	112	%	57-146		1	03/26/20 08:30	03/27/20 02:44	1868-53-7	
Toluene-d8 (S)	105	%	64-134		1	03/26/20 08:30	03/27/20 02:44	2037-26-5	
4-Bromofluorobenzene (S)	93	%	54-126		1	03/26/20 08:30	03/27/20 02:44	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.7**	%	0.10	0.10	1		03/25/20 14:12		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

Sample: SP-102-W (0.5-1') **Lab ID: 40205219006** Collected: 03/25/20 10:50 Received: 03/25/20 12:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	62.0	25.0	1	03/26/20 08:30	03/27/20 03:06	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	70.0	25.0	1	03/26/20 08:30	03/27/20 03:06	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	75-27-4	W
Bromoform	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 03:06	75-25-2	W
Bromomethane	**<63.8**	ug/kg	250	63.8	1	03/26/20 08:30	03/27/20 03:06	74-83-9	W
n-Butylbenzene	**<30.0**	ug/kg	100	30.0	1	03/26/20 08:30	03/27/20 03:06	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 03:06	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	62.0	25.0	1	03/26/20 08:30	03/27/20 03:06	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	108-90-7	W
Chloroethane	**<46.4**	ug/kg	250	46.4	1	03/26/20 08:30	03/27/20 03:06	75-00-3	W
Chloroform	**<47.5**	ug/kg	250	47.5	1	03/26/20 08:30	03/27/20 03:06	67-66-3	W
Chloromethane	**<25.0**	ug/kg	80.0	25.0	1	03/26/20 08:30	03/27/20 03:06	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	64.0	25.0	1	03/26/20 08:30	03/27/20 03:06	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	64.0	25.0	1	03/26/20 08:30	03/27/20 03:06	106-43-4	W
1,2-Dibromo-3-chloropropane	**<237**	ug/kg	789	237	1	03/26/20 08:30	03/27/20 03:06	96-12-8	W
Dibromochloromethane	**<229**	ug/kg	763	229	1	03/26/20 08:30	03/27/20 03:06	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 03:06	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	67.0	25.0	1	03/26/20 08:30	03/27/20 03:06	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	563-58-6	W
cis-1,3-Dichloropropene	**<42.3**	ug/kg	141	42.3	1	03/26/20 08:30	03/27/20 03:06	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	74.0	25.0	1	03/26/20 08:30	03/27/20 03:06	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	100-41-4	W
Hexachloro-1,3-butadiene	**<68.7**	ug/kg	229	68.7	1	03/26/20 08:30	03/27/20 03:06	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 03:06	99-87-6	W
Methylene Chloride	**<26.3**	ug/kg	88.0	26.3	1	03/26/20 08:30	03/27/20 03:06	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	1634-04-4	W
Naphthalene	**<27.3**	ug/kg	91.0	27.3	1	03/26/20 08:30	03/27/20 03:06	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

Sample: SP-102-W (0.5-1') **Lab ID: 40205219006** Collected: 03/25/20 10:50 Received: 03/25/20 12:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	79-34-5	W
Tetrachloroethene	**<38.7**	ug/kg	129	38.7	1	03/26/20 08:30	03/27/20 03:06	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	108-88-3	W
1,2,3-Trichlorobenzene	**<47.3**	ug/kg	158	47.3	1	03/26/20 08:30	03/27/20 03:06	87-61-6	W
1,2,4-Trichlorobenzene	**<41.7**	ug/kg	250	41.7	1	03/26/20 08:30	03/27/20 03:06	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	65.0	25.0	1	03/26/20 08:30	03/27/20 03:06	75-69-4	W
1,2,3-Trichloropropane	**<37.4**	ug/kg	125	37.4	1	03/26/20 08:30	03/27/20 03:06	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	03/26/20 08:30	03/27/20 03:06	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	03/26/20 08:30	03/27/20 03:06	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:06	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	111	%	57-146		1	03/26/20 08:30	03/27/20 03:06	1868-53-7	
Toluene-d8 (S)	101	%	64-134		1	03/26/20 08:30	03/27/20 03:06	2037-26-5	
4-Bromofluorobenzene (S)	89	%	54-126		1	03/26/20 08:30	03/27/20 03:06	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.3**	%	0.10	0.10	1		03/25/20 14:12		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

Sample: SP-102-S (0.5-1') **Lab ID: 40205219007** Collected: 03/25/20 11:10 Received: 03/25/20 12:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	62.0	25.0	1	03/26/20 08:30	03/27/20 03:29	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	70.0	25.0	1	03/26/20 08:30	03/27/20 03:29	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	75-27-4	W
Bromoform	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 03:29	75-25-2	W
Bromomethane	**<63.8**	ug/kg	250	63.8	1	03/26/20 08:30	03/27/20 03:29	74-83-9	W
n-Butylbenzene	**<30.0**	ug/kg	100	30.0	1	03/26/20 08:30	03/27/20 03:29	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 03:29	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	62.0	25.0	1	03/26/20 08:30	03/27/20 03:29	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	108-90-7	W
Chloroethane	**<46.4**	ug/kg	250	46.4	1	03/26/20 08:30	03/27/20 03:29	75-00-3	W
Chloroform	**<47.5**	ug/kg	250	47.5	1	03/26/20 08:30	03/27/20 03:29	67-66-3	W
Chloromethane	**<25.0**	ug/kg	80.0	25.0	1	03/26/20 08:30	03/27/20 03:29	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	64.0	25.0	1	03/26/20 08:30	03/27/20 03:29	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	64.0	25.0	1	03/26/20 08:30	03/27/20 03:29	106-43-4	W
1,2-Dibromo-3-chloropropane	**<237**	ug/kg	789	237	1	03/26/20 08:30	03/27/20 03:29	96-12-8	W
Dibromochloromethane	**<229**	ug/kg	763	229	1	03/26/20 08:30	03/27/20 03:29	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 03:29	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	67.0	25.0	1	03/26/20 08:30	03/27/20 03:29	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	563-58-6	W
cis-1,3-Dichloropropene	**<42.3**	ug/kg	141	42.3	1	03/26/20 08:30	03/27/20 03:29	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	74.0	25.0	1	03/26/20 08:30	03/27/20 03:29	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	100-41-4	W
Hexachloro-1,3-butadiene	**<68.7**	ug/kg	229	68.7	1	03/26/20 08:30	03/27/20 03:29	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 03:29	99-87-6	W
Methylene Chloride	**<26.3**	ug/kg	88.0	26.3	1	03/26/20 08:30	03/27/20 03:29	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	1634-04-4	W
Naphthalene	**<27.3**	ug/kg	91.0	27.3	1	03/26/20 08:30	03/27/20 03:29	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

Sample: SP-102-S (0.5-1') **Lab ID: 40205219007** Collected: 03/25/20 11:10 Received: 03/25/20 12:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	79-34-5	W
Tetrachloroethene	**<38.7**	ug/kg	129	38.7	1	03/26/20 08:30	03/27/20 03:29	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	108-88-3	W
1,2,3-Trichlorobenzene	**<47.3**	ug/kg	158	47.3	1	03/26/20 08:30	03/27/20 03:29	87-61-6	W
1,2,4-Trichlorobenzene	**<41.7**	ug/kg	250	41.7	1	03/26/20 08:30	03/27/20 03:29	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	65.0	25.0	1	03/26/20 08:30	03/27/20 03:29	75-69-4	W
1,2,3-Trichloropropane	**<37.4**	ug/kg	125	37.4	1	03/26/20 08:30	03/27/20 03:29	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	03/26/20 08:30	03/27/20 03:29	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	03/26/20 08:30	03/27/20 03:29	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:29	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	113	%	57-146		1	03/26/20 08:30	03/27/20 03:29	1868-53-7	
Toluene-d8 (S)	108	%	64-134		1	03/26/20 08:30	03/27/20 03:29	2037-26-5	
4-Bromofluorobenzene (S)	93	%	54-126		1	03/26/20 08:30	03/27/20 03:29	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.2**	%	0.10	0.10	1		03/25/20 14:12		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

Sample: SP-102-E (0.5-1') **Lab ID: 40205219008** Collected: 03/25/20 11:30 Received: 03/25/20 12:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	62.0	25.0	1	03/26/20 08:30	03/27/20 03:52	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	70.0	25.0	1	03/26/20 08:30	03/27/20 03:52	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	75-27-4	W
Bromoform	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 03:52	75-25-2	W
Bromomethane	**<63.8**	ug/kg	250	63.8	1	03/26/20 08:30	03/27/20 03:52	74-83-9	W
n-Butylbenzene	**<30.0**	ug/kg	100	30.0	1	03/26/20 08:30	03/27/20 03:52	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 03:52	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	62.0	25.0	1	03/26/20 08:30	03/27/20 03:52	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	108-90-7	W
Chloroethane	**<46.4**	ug/kg	250	46.4	1	03/26/20 08:30	03/27/20 03:52	75-00-3	W
Chloroform	**<47.5**	ug/kg	250	47.5	1	03/26/20 08:30	03/27/20 03:52	67-66-3	W
Chloromethane	**<25.0**	ug/kg	80.0	25.0	1	03/26/20 08:30	03/27/20 03:52	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	64.0	25.0	1	03/26/20 08:30	03/27/20 03:52	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	64.0	25.0	1	03/26/20 08:30	03/27/20 03:52	106-43-4	W
1,2-Dibromo-3-chloropropane	**<237**	ug/kg	789	237	1	03/26/20 08:30	03/27/20 03:52	96-12-8	W
Dibromochloromethane	**<229**	ug/kg	763	229	1	03/26/20 08:30	03/27/20 03:52	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 03:52	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	67.0	25.0	1	03/26/20 08:30	03/27/20 03:52	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	563-58-6	W
cis-1,3-Dichloropropene	**<42.3**	ug/kg	141	42.3	1	03/26/20 08:30	03/27/20 03:52	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	74.0	25.0	1	03/26/20 08:30	03/27/20 03:52	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	100-41-4	W
Hexachloro-1,3-butadiene	**<68.7**	ug/kg	229	68.7	1	03/26/20 08:30	03/27/20 03:52	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 03:52	99-87-6	W
Methylene Chloride	**<26.3**	ug/kg	88.0	26.3	1	03/26/20 08:30	03/27/20 03:52	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	1634-04-4	W
Naphthalene	**<27.3**	ug/kg	91.0	27.3	1	03/26/20 08:30	03/27/20 03:52	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

Sample: SP-102-E (0.5-1') **Lab ID: 40205219008** Collected: 03/25/20 11:30 Received: 03/25/20 12:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	79-34-5	W
Tetrachloroethene	**<38.7**	ug/kg	129	38.7	1	03/26/20 08:30	03/27/20 03:52	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	108-88-3	W
1,2,3-Trichlorobenzene	**<47.3**	ug/kg	158	47.3	1	03/26/20 08:30	03/27/20 03:52	87-61-6	W
1,2,4-Trichlorobenzene	**<41.7**	ug/kg	250	41.7	1	03/26/20 08:30	03/27/20 03:52	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	65.0	25.0	1	03/26/20 08:30	03/27/20 03:52	75-69-4	W
1,2,3-Trichloropropane	**<37.4**	ug/kg	125	37.4	1	03/26/20 08:30	03/27/20 03:52	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	03/26/20 08:30	03/27/20 03:52	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	03/26/20 08:30	03/27/20 03:52	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 03:52	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	113	%	57-146		1	03/26/20 08:30	03/27/20 03:52	1868-53-7	
Toluene-d8 (S)	109	%	64-134		1	03/26/20 08:30	03/27/20 03:52	2037-26-5	
4-Bromofluorobenzene (S)	98	%	54-126		1	03/26/20 08:30	03/27/20 03:52	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.8**	%	0.10	0.10	1		03/25/20 14:12		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

Sample: DUP-1 **Lab ID: 40205219009** Collected: 03/25/20 00:00 Received: 03/25/20 12:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	62.0	25.0	1	03/26/20 08:30	03/27/20 10:16	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	70.0	25.0	1	03/26/20 08:30	03/27/20 10:16	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	75-27-4	W
Bromoform	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 10:16	75-25-2	W
Bromomethane	**<63.8**	ug/kg	250	63.8	1	03/26/20 08:30	03/27/20 10:16	74-83-9	W
n-Butylbenzene	**<30.0**	ug/kg	100	30.0	1	03/26/20 08:30	03/27/20 10:16	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 10:16	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	62.0	25.0	1	03/26/20 08:30	03/27/20 10:16	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	108-90-7	W
Chloroethane	**<46.4**	ug/kg	250	46.4	1	03/26/20 08:30	03/27/20 10:16	75-00-3	W
Chloroform	**<47.5**	ug/kg	250	47.5	1	03/26/20 08:30	03/27/20 10:16	67-66-3	W
Chloromethane	**<25.0**	ug/kg	80.0	25.0	1	03/26/20 08:30	03/27/20 10:16	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	64.0	25.0	1	03/26/20 08:30	03/27/20 10:16	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	64.0	25.0	1	03/26/20 08:30	03/27/20 10:16	106-43-4	W
1,2-Dibromo-3-chloropropane	**<237**	ug/kg	789	237	1	03/26/20 08:30	03/27/20 10:16	96-12-8	W
Dibromochloromethane	**<229**	ug/kg	763	229	1	03/26/20 08:30	03/27/20 10:16	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 10:16	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	67.0	25.0	1	03/26/20 08:30	03/27/20 10:16	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	563-58-6	W
cis-1,3-Dichloropropene	**<42.3**	ug/kg	141	42.3	1	03/26/20 08:30	03/27/20 10:16	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	74.0	25.0	1	03/26/20 08:30	03/27/20 10:16	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	100-41-4	W
Hexachloro-1,3-butadiene	**<68.7**	ug/kg	229	68.7	1	03/26/20 08:30	03/27/20 10:16	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/27/20 10:16	99-87-6	W
Methylene Chloride	**<26.3**	ug/kg	88.0	26.3	1	03/26/20 08:30	03/27/20 10:16	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	1634-04-4	W
Naphthalene	**<27.3**	ug/kg	91.0	27.3	1	03/26/20 08:30	03/27/20 10:16	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

Sample: DUP-1 **Lab ID: 40205219009** Collected: 03/25/20 00:00 Received: 03/25/20 12:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	79-34-5	W
Tetrachloroethene	**<38.7**	ug/kg	129	38.7	1	03/26/20 08:30	03/27/20 10:16	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	108-88-3	W
1,2,3-Trichlorobenzene	**<47.3**	ug/kg	158	47.3	1	03/26/20 08:30	03/27/20 10:16	87-61-6	W
1,2,4-Trichlorobenzene	**<41.7**	ug/kg	250	41.7	1	03/26/20 08:30	03/27/20 10:16	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	65.0	25.0	1	03/26/20 08:30	03/27/20 10:16	75-69-4	W
1,2,3-Trichloropropane	**<37.4**	ug/kg	125	37.4	1	03/26/20 08:30	03/27/20 10:16	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	03/26/20 08:30	03/27/20 10:16	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	03/26/20 08:30	03/27/20 10:16	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/27/20 10:16	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	115	%	57-146		1	03/26/20 08:30	03/27/20 10:16	1868-53-7	
Toluene-d8 (S)	106	%	64-134		1	03/26/20 08:30	03/27/20 10:16	2037-26-5	
4-Bromofluorobenzene (S)	97	%	54-126		1	03/26/20 08:30	03/27/20 10:16	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.2**	%	0.10	0.10	1		03/25/20 14:12		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

Sample: TB-1 **Lab ID: 40205219010** Collected: 03/25/20 00:00 Received: 03/25/20 12:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	62.0	25.0	1	03/26/20 08:30	03/26/20 21:02	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	70.0	25.0	1	03/26/20 08:30	03/26/20 21:02	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	75-27-4	W
Bromoform	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/26/20 21:02	75-25-2	W
Bromomethane	**<63.8**	ug/kg	250	63.8	1	03/26/20 08:30	03/26/20 21:02	74-83-9	W
n-Butylbenzene	**<30.0**	ug/kg	100	30.0	1	03/26/20 08:30	03/26/20 21:02	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/26/20 21:02	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	62.0	25.0	1	03/26/20 08:30	03/26/20 21:02	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	108-90-7	W
Chloroethane	**<46.4**	ug/kg	250	46.4	1	03/26/20 08:30	03/26/20 21:02	75-00-3	W
Chloroform	**<47.5**	ug/kg	250	47.5	1	03/26/20 08:30	03/26/20 21:02	67-66-3	W
Chloromethane	**<25.0**	ug/kg	80.0	25.0	1	03/26/20 08:30	03/26/20 21:02	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	64.0	25.0	1	03/26/20 08:30	03/26/20 21:02	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	64.0	25.0	1	03/26/20 08:30	03/26/20 21:02	106-43-4	W
1,2-Dibromo-3-chloropropane	**<237**	ug/kg	789	237	1	03/26/20 08:30	03/26/20 21:02	96-12-8	W
Dibromochloromethane	**<229**	ug/kg	763	229	1	03/26/20 08:30	03/26/20 21:02	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/26/20 21:02	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	67.0	25.0	1	03/26/20 08:30	03/26/20 21:02	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	563-58-6	W
cis-1,3-Dichloropropene	**<42.3**	ug/kg	141	42.3	1	03/26/20 08:30	03/26/20 21:02	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	74.0	25.0	1	03/26/20 08:30	03/26/20 21:02	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	100-41-4	W
Hexachloro-1,3-butadiene	**<68.7**	ug/kg	229	68.7	1	03/26/20 08:30	03/26/20 21:02	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	72.0	25.0	1	03/26/20 08:30	03/26/20 21:02	99-87-6	W
Methylene Chloride	**<26.3**	ug/kg	88.0	26.3	1	03/26/20 08:30	03/26/20 21:02	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	1634-04-4	W
Naphthalene	**<27.3**	ug/kg	91.0	27.3	1	03/26/20 08:30	03/26/20 21:02	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

Sample: TB-1 **Lab ID: 40205219010** Collected: 03/25/20 00:00 Received: 03/25/20 12:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	79-34-5	W
Tetrachloroethene	**<38.7**	ug/kg	129	38.7	1	03/26/20 08:30	03/26/20 21:02	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	108-88-3	W
1,2,3-Trichlorobenzene	**<47.3**	ug/kg	158	47.3	1	03/26/20 08:30	03/26/20 21:02	87-61-6	W
1,2,4-Trichlorobenzene	**<41.7**	ug/kg	250	41.7	1	03/26/20 08:30	03/26/20 21:02	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	65.0	25.0	1	03/26/20 08:30	03/26/20 21:02	75-69-4	W
1,2,3-Trichloropropane	**<37.4**	ug/kg	125	37.4	1	03/26/20 08:30	03/26/20 21:02	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	03/26/20 08:30	03/26/20 21:02	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	03/26/20 08:30	03/26/20 21:02	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	03/26/20 08:30	03/26/20 21:02	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	92	%	57-146		1	03/26/20 08:30	03/26/20 21:02	1868-53-7	
Toluene-d8 (S)	91	%	64-134		1	03/26/20 08:30	03/26/20 21:02	2037-26-5	
4-Bromofluorobenzene (S)	87	%	54-126		1	03/26/20 08:30	03/26/20 21:02	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

QC Batch: 351029 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40205219001, 40205219002, 40205219003, 40205219004, 40205219005, 40205219006, 40205219007, 40205219008, 40205219009, 40205219010

METHOD BLANK: 2032960 Matrix: Solid
Associated Lab Samples: 40205219001, 40205219002, 40205219003, 40205219004, 40205219005, 40205219006, 40205219007, 40205219008, 40205219009, 40205219010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<7.8	50.0	03/26/20 17:14	
1,1,1-Trichloroethane	ug/kg	<13.5	50.0	03/26/20 17:14	
1,1,2,2-Tetrachloroethane	ug/kg	<15.7	52.0	03/26/20 17:14	
1,1,2-Trichloroethane	ug/kg	<15.7	52.0	03/26/20 17:14	
1,1-Dichloroethane	ug/kg	<13.5	50.0	03/26/20 17:14	
1,1-Dichloroethene	ug/kg	<11.8	50.0	03/26/20 17:14	
1,1-Dichloropropene	ug/kg	<10.7	50.0	03/26/20 17:14	
1,2,3-Trichlorobenzene	ug/kg	<47.3	158	03/26/20 17:14	
1,2,3-Trichloropropane	ug/kg	<37.4	125	03/26/20 17:14	
1,2,4-Trichlorobenzene	ug/kg	<41.7	250	03/26/20 17:14	
1,2,4-Trimethylbenzene	ug/kg	<18.1	60.0	03/26/20 17:14	
1,2-Dibromo-3-chloropropane	ug/kg	<237	789	03/26/20 17:14	
1,2-Dibromoethane (EDB)	ug/kg	<17.0	57.0	03/26/20 17:14	
1,2-Dichlorobenzene	ug/kg	<13.1	50.0	03/26/20 17:14	
1,2-Dichloroethane	ug/kg	<13.8	50.0	03/26/20 17:14	
1,2-Dichloropropane	ug/kg	<13.5	50.0	03/26/20 17:14	
1,3,5-Trimethylbenzene	ug/kg	<16.0	53.0	03/26/20 17:14	
1,3-Dichlorobenzene	ug/kg	<13.0	50.0	03/26/20 17:14	
1,3-Dichloropropane	ug/kg	<11.0	50.0	03/26/20 17:14	
1,4-Dichlorobenzene	ug/kg	<12.0	50.0	03/26/20 17:14	
2,2-Dichloropropane	ug/kg	<15.7	52.0	03/26/20 17:14	
2-Chlorotoluene	ug/kg	<19.3	64.0	03/26/20 17:14	
4-Chlorotoluene	ug/kg	<19.3	64.0	03/26/20 17:14	
Benzene	ug/kg	<12.5	42.0	03/26/20 17:14	
Bromobenzene	ug/kg	<18.5	62.0	03/26/20 17:14	
Bromochloromethane	ug/kg	<20.9	70.0	03/26/20 17:14	
Bromodichloromethane	ug/kg	<10.0	50.0	03/26/20 17:14	
Bromoform	ug/kg	<21.6	72.0	03/26/20 17:14	
Bromomethane	ug/kg	<63.8	250	03/26/20 17:14	
Carbon tetrachloride	ug/kg	<7.5	50.0	03/26/20 17:14	
Chlorobenzene	ug/kg	<16.8	56.0	03/26/20 17:14	
Chloroethane	ug/kg	<46.4	250	03/26/20 17:14	
Chloroform	ug/kg	<47.5	250	03/26/20 17:14	
Chloromethane	ug/kg	<24.0	80.0	03/26/20 17:14	
cis-1,2-Dichloroethene	ug/kg	<14.8	50.0	03/26/20 17:14	
cis-1,3-Dichloropropene	ug/kg	<42.3	141	03/26/20 17:14	
Dibromochloromethane	ug/kg	<229	763	03/26/20 17:14	
Dibromomethane	ug/kg	<17.7	59.0	03/26/20 17:14	
Dichlorodifluoromethane	ug/kg	<21.7	72.0	03/26/20 17:14	
Diisopropyl ether	ug/kg	<14.0	50.0	03/26/20 17:14	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

METHOD BLANK: 2032960 Matrix: Solid
Associated Lab Samples: 40205219001, 40205219002, 40205219003, 40205219004, 40205219005, 40205219006, 40205219007, 40205219008, 40205219009, 40205219010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<14.5	50.0	03/26/20 17:14	
Hexachloro-1,3-butadiene	ug/kg	<68.7	229	03/26/20 17:14	
Isopropylbenzene (Cumene)	ug/kg	<17.7	59.0	03/26/20 17:14	
m&p-Xylene	ug/kg	<32.4	108	03/26/20 17:14	
Methyl-tert-butyl ether	ug/kg	<16.2	54.0	03/26/20 17:14	
Methylene Chloride	ug/kg	<26.3	88.0	03/26/20 17:14	
n-Butylbenzene	ug/kg	<30.0	100	03/26/20 17:14	
n-Propylbenzene	ug/kg	<17.8	59.0	03/26/20 17:14	
Naphthalene	ug/kg	<27.3	91.0	03/26/20 17:14	
o-Xylene	ug/kg	<18.1	60.0	03/26/20 17:14	
p-Isopropyltoluene	ug/kg	<21.7	72.0	03/26/20 17:14	
sec-Butylbenzene	ug/kg	<21.5	72.0	03/26/20 17:14	
Styrene	ug/kg	<12.3	50.0	03/26/20 17:14	
tert-Butylbenzene	ug/kg	<18.7	62.0	03/26/20 17:14	
Tetrachloroethene	ug/kg	<38.7	129	03/26/20 17:14	
Toluene	ug/kg	<13.1	50.0	03/26/20 17:14	
trans-1,2-Dichloroethene	ug/kg	<20.2	67.0	03/26/20 17:14	
trans-1,3-Dichloropropene	ug/kg	<22.2	74.0	03/26/20 17:14	
Trichloroethene	ug/kg	<12.8	50.0	03/26/20 17:14	
Trichlorofluoromethane	ug/kg	<19.6	65.0	03/26/20 17:14	
Vinyl chloride	ug/kg	<14.5	50.0	03/26/20 17:14	
Xylene (Total)	ug/kg	<50.5	168	03/26/20 17:14	
4-Bromofluorobenzene (S)	%	98	54-126	03/26/20 17:14	
Dibromofluoromethane (S)	%	103	57-146	03/26/20 17:14	
Toluene-d8 (S)	%	103	64-134	03/26/20 17:14	

LABORATORY CONTROL SAMPLE: 2032961

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2470	99	70-132	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2250	90	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2180	87	70-130	
1,1-Dichloroethane	ug/kg	2500	2530	101	70-130	
1,1-Dichloroethene	ug/kg	2500	2610	104	77-126	
1,2,4-Trichlorobenzene	ug/kg	2500	2180	87	66-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2050	82	54-129	
1,2-Dibromoethane (EDB)	ug/kg	2500	2360	94	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2450	98	70-130	
1,2-Dichloroethane	ug/kg	2500	2270	91	70-134	
1,2-Dichloropropane	ug/kg	2500	2490	100	74-124	
1,3-Dichlorobenzene	ug/kg	2500	2430	97	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2410	96	70-130	
Benzene	ug/kg	2500	2240	90	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

LABORATORY CONTROL SAMPLE: 2032961

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/kg	2500	2460	98	70-130	
Bromoform	ug/kg	2500	2180	87	47-115	
Bromomethane	ug/kg	2500	2670	107	64-165	
Carbon tetrachloride	ug/kg	2500	2490	100	70-131	
Chlorobenzene	ug/kg	2500	2520	101	70-130	
Chloroethane	ug/kg	2500	2650	106	28-197	
Chloroform	ug/kg	2500	2430	97	80-131	
Chloromethane	ug/kg	2500	1730	69	45-118	
cis-1,2-Dichloroethene	ug/kg	2500	2370	95	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2280	91	70-130	
Dibromochloromethane	ug/kg	2500	2340	94	70-130	
Dichlorodifluoromethane	ug/kg	2500	1220	49	38-108	
Ethylbenzene	ug/kg	2500	2400	96	82-122	
Isopropylbenzene (Cumene)	ug/kg	2500	2400	96	70-130	
m&p-Xylene	ug/kg	5000	4920	98	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2180	87	70-130	
Methylene Chloride	ug/kg	2500	2630	105	70-130	
o-Xylene	ug/kg	2500	2430	97	70-130	
Styrene	ug/kg	2500	2460	98	70-130	
Tetrachloroethene	ug/kg	2500	2550	102	70-130	
Toluene	ug/kg	2500	2520	101	80-121	
trans-1,2-Dichloroethene	ug/kg	2500	2690	107	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	1970	79	70-130	
Trichloroethene	ug/kg	2500	2740	109	70-130	
Trichlorofluoromethane	ug/kg	2500	2390	96	81-141	
Vinyl chloride	ug/kg	2500	1830	73	68-121	
Xylene (Total)	ug/kg	7500	7360	98	70-130	
4-Bromofluorobenzene (S)	%			104	54-126	
Dibromofluoromethane (S)	%			103	57-146	
Toluene-d8 (S)	%			104	64-134	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2032962 2032963

Parameter	Units	40205219001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<25.0	1580	1570	1530	1550	97	99	64-132	2	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1580	1570	1430	1340	90	86	70-132	6	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1580	1570	1350	1300	85	83	70-130	3	20	
1,1-Dichloroethane	ug/kg	<25.0	1580	1570	1630	1650	103	105	70-130	1	20	
1,1-Dichloroethene	ug/kg	<25.0	1580	1570	1490	1540	94	98	65-126	3	21	
1,2,4-Trichlorobenzene	ug/kg	<41.7	1580	1570	1550	1460	98	93	66-139	6	20	
1,2-Dibromo-3-chloropropane	ug/kg	<237	1580	1570	1370	1210	87	77	47-146	12	23	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1580	1570	1500	1420	95	91	70-130	5	20	
1,2-Dichlorobenzene	ug/kg	<25.0	1580	1570	1610	1480	102	94	70-130	9	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2032962 2032963

Parameter	Units	40205219001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/kg	<25.0	1580	1570	1470	1450	93	93	70-136	1	20	
1,2-Dichloropropane	ug/kg	<25.0	1580	1570	1600	1470	101	93	74-124	8	20	
1,3-Dichlorobenzene	ug/kg	<25.0	1580	1570	1580	1520	100	97	70-130	4	20	
1,4-Dichlorobenzene	ug/kg	<25.0	1580	1570	1620	1560	102	99	70-130	4	20	
Benzene	ug/kg	<25.0	1580	1570	1410	1450	89	92	70-130	2	20	
Bromodichloromethane	ug/kg	<25.0	1580	1570	1530	1500	97	96	70-130	2	20	
Bromoform	ug/kg	<25.0	1580	1570	1460	1410	93	90	47-129	4	20	
Bromomethane	ug/kg	<63.8	1580	1570	1750	1780	111	113	41-180	1	20	
Carbon tetrachloride	ug/kg	<25.0	1580	1570	1610	1620	102	103	58-133	1	20	
Chlorobenzene	ug/kg	<25.0	1580	1570	1600	1570	101	100	70-130	2	20	
Chloroethane	ug/kg	<46.4	1580	1570	1770	1830	112	117	28-197	4	20	
Chloroform	ug/kg	<47.5	1580	1570	1560	1510	99	96	80-131	3	20	
Chloromethane	ug/kg	<25.0	1580	1570	1110	1100	71	70	26-118	2	20	
cis-1,2-Dichloroethene	ug/kg	<25.0	1580	1570	1470	1470	93	94	70-130	0	20	
cis-1,3-Dichloropropene	ug/kg	<42.3	1580	1570	1380	1320	87	84	70-130	4	20	
Dibromochloromethane	ug/kg	<229	1580	1570	1450	1390	92	88	67-130	5	20	
Dichlorodifluoromethane	ug/kg	<25.0	1580	1570	803	733	51	47	12-108	9	29	
Ethylbenzene	ug/kg	<25.0	1580	1570	1480	1490	94	95	80-122	0	20	
Isopropylbenzene (Cumene)	ug/kg	<25.0	1580	1570	1520	1470	96	94	70-130	3	20	
m&p-Xylene	ug/kg	<50.0	3160	3130	3210	3130	102	100	70-130	2	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1580	1570	1220	1240	77	79	70-130	1	20	
Methylene Chloride	ug/kg	<26.3	1580	1570	1540	1590	97	102	70-130	3	20	
o-Xylene	ug/kg	<25.0	1580	1570	1560	1560	99	99	70-130	0	20	
Styrene	ug/kg	<25.0	1580	1570	1520	1480	96	94	70-130	2	20	
Tetrachloroethene	ug/kg	<38.7	1580	1570	1680	1680	106	107	70-130	0	20	
Toluene	ug/kg	<25.0	1580	1570	1600	1540	102	98	80-121	4	20	
trans-1,2-Dichloroethene	ug/kg	<25.0	1580	1570	1590	1660	100	106	70-130	5	20	
trans-1,3-Dichloropropene	ug/kg	<25.0	1580	1570	1270	1210	80	77	70-130	4	20	
Trichloroethene	ug/kg	<25.0	1580	1570	1730	1750	110	112	70-130	1	20	
Trichlorofluoromethane	ug/kg	<25.0	1580	1570	1560	1490	98	95	60-141	4	26	
Vinyl chloride	ug/kg	<25.0	1580	1570	1180	1210	75	77	46-121	2	20	
Xylene (Total)	ug/kg	<75.0	4740	4710	4770	4690	101	100	70-130	2	20	
4-Bromofluorobenzene (S)	%						98	97	54-126			
Dibromofluoromethane (S)	%						100	97	57-146			
Toluene-d8 (S)	%						99	97	64-134			

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

QC Batch: 350952 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40205219001, 40205219003, 40205219004, 40205219005, 40205219006, 40205219007, 40205219008, 40205219009

SAMPLE DUPLICATE: 2032699

Parameter	Units	40205214005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	15.6	17.1	9	10	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

QC Batch: 351069
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40205219002

SAMPLE DUPLICATE: 2033457

Parameter	Units	40205261001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.1	8.2	2	10	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

W	Non-detect results are reported on a wet weight basis.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 04191408 ALLOUEZ DERBY SITE
Pace Project No.: 40205219

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40205219001	**SP-104-S (0.5-1.5')**	EPA 5035/5030B	351029	EPA 8260	351030
40205219002	**SP-104-E (0.5-1.5')**	EPA 5035/5030B	351029	EPA 8260	351030
40205219003	**SP-104-N (0.5-1.5')**	EPA 5035/5030B	351029	EPA 8260	351030
40205219004	**SP-104-W (0.5-1.5')**	EPA 5035/5030B	351029	EPA 8260	351030
40205219005	**SP-102-N (0.5-1')**	EPA 5035/5030B	351029	EPA 8260	351030
40205219006	**SP-102-W (0.5-1')**	EPA 5035/5030B	351029	EPA 8260	351030
40205219007	**SP-102-S (0.5-1')**	EPA 5035/5030B	351029	EPA 8260	351030
40205219008	**SP-102-E (0.5-1')**	EPA 5035/5030B	351029	EPA 8260	351030
40205219009	**DUP-1**	EPA 5035/5030B	351029	EPA 8260	351030
40205219010	**TB-1**	EPA 5035/5030B	351029	EPA 8260	351030
40205219001	**SP-104-S (0.5-1.5')**	ASTM D2974-87	350952		
40205219002	**SP-104-E (0.5-1.5')**	ASTM D2974-87	351069		
40205219003	**SP-104-N (0.5-1.5')**	ASTM D2974-87	350952		
40205219004	**SP-104-W (0.5-1.5')**	ASTM D2974-87	350952		
40205219005	**SP-102-N (0.5-1')**	ASTM D2974-87	350952		
40205219006	**SP-102-W (0.5-1')**	ASTM D2974-87	350952		
40205219007	**SP-102-S (0.5-1')**	ASTM D2974-87	350952		
40205219008	**SP-102-E (0.5-1')**	ASTM D2974-87	350952		
40205219009	**DUP-1**	ASTM D2974-87	350952		

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www.pacelabs.com

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

CHAIN OF CUSTODY

4020529

(Please Print Clearly)	
Company Name:	AECOM
Branch/Location:	Oshkosh, WI
Project Contact:	Jonel Dean
Phone:	517-745-7192
Project Number:	04191408
Project Name:	Allouez Derby Site
Project State:	WI
Sampled By (Print):	Jacob Dean
Sampled By (Sign):	Jacob Dean
PO #:	04191408
Regulatory Program:	

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

Quote #:	Same as first column
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested		CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
						F	A				
						VOC	VOC				
001	SP-104-S(0.5-1.5')	3.25.20	8:45	GW		3	3				
002	SP-104-E(0.5-1.5')		9:20			3	1				
003	SP-104-N(0.5-1.5')		9:45			3	1				
004	SP-104-W(0.5-1.5')		10:10			3	1				
005	SP-102-N(0.5-1')		10:30			3	1				
006	SP-102-W(0.5-1')		10:50			3	1				
007	SP-102-S(0.5-1')		11:10			3	1				
008	SP-102-E(0.5-1')		11:30			3	1				
009	DUP-1		-			3	1				
010	TB-1		-			3					

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
Jacob Dean	3.25.20 / 12:00	Pace	3/25/20 1200

PACE Project No. 4020529

Receipt Temp = RDS °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

Sample Preservation Receipt Form

Client Name: Aecom Project # 40205219

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

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

Initial when completed: Date/ Time:

	Glass								Plastic					Vials						Jars				General								
Pace Lab #	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001																		9				3										2.5 / 5 / 10
002																		3				1										2.5 / 5 / 10
003																		3				1										2.5 / 5 / 10
004																		3				1										2.5 / 5 / 10
005																		3				1										2.5 / 5 / 10
006																		3				1										2.5 / 5 / 10
007																		3				1										2.5 / 5 / 10
008																		3				1										2.5 / 5 / 10
009																		3				1										2.5 / 5 / 10
010																		3														2.5 / 5 / 10
011																																2.5 / 5 / 10
012																																2.5 / 5 / 10
013																																2.5 / 5 / 10
014																																2.5 / 5 / 10
015																																2.5 / 5 / 10
016																												3/25/20				2.5 / 5 / 10
017																																2.5 / 5 / 10
018																																2.5 / 5 / 10
019																																2.5 / 5 / 10
020																																2.5 / 5 / 10

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

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

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

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

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

Pace Analytical 1241 Bellevue Street, Green Bay, WI 54302	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: 25Apr2018
	Document No.: **F-GB-C-031-Rev.07**	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40205219

40205219

Client Name: Accom

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

Tracking #: –

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

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

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

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

Cooler Temperature Uncorr: 20C /Corr:

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

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 3/25/20
Initials: MP

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume: 3/25/20 MP		8. Sample 002 - NO Dry Weight volume on WGFU. - Received empty WGFU. 3/25/20 MP
For Analysis: ☒Yes (☒No) MS/MSD:	☒Yes ☐No ☐N/A	
Correct Containers Used:	☒Yes ☐No	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC: 3/25/20 MP	☒Yes (☒No) ☐N/A	12. ~~Samples to~~ 3/25/20 MP
-Includes date/time/ID/Analysis Matrix: S		Sample 010 - NO sample ID on vials
Trip Blank Present:	☒Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☒Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): B922201VB		

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

Person Contacted: Date/Time:

Comments/ Resolution:

- COC Matrix is GW, suppose to be Solid.

3/25/20 MP

Project Manager Review: Date: 3/26/20

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

Page 1 of 1

4020 5219

CHAIN OF CUSTODY

(Please Print Clearly)	
Company Name:	AECOM
Branch/Location:	Oshkosh, WI
Project Contact:	Janel Dean
Phone:	517-745-7192
Project Number:	04191408
Project Name:	Allouez Derby Site
Project State:	WI
Sampled By (Print):	Jacob Dean
Sampled By (Sign):	Jacob Dean
PO #:	04191408
Regulatory Program:	

Quote #:	Same as first column
Mail To Contact:	Janel Dean
Mail To Company:	AECOM
Mail To Address:	558 North Main Street Oshkosh, WI 54901
Invoice To Contact:	Accounts Payable
Invoice To Company:	AECOM
Invoice To Address:	558 North Main Street Oshkosh, WI 54901
Invoice To Phone:	Janel.Dean@aecom.com

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

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

Matrix Codes

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOC	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	SP-104-E (0.5-1.5')	3-25-20	9:20	~~SS~~ S		A	1	Additional sample volume for same project, samples delivered 3-25-20		

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
	3-25-20 14:00		3-25-20 14:00
	3-26-20 1000		3/26/20 1000
	3/26/20 1346		3/26/20 1346

PACE Project No.
4020 5219

Receipt Temp = ROT °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

Sample Preservation Receipt Form

Client Name: Accom Project # 40205219

All containers needing preservation have been checked and noted below: □Yes □No ☒N/A Initial when completed: Date/ Time:

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

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

3/26/20 MC

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

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

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

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

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

Pace Analytical™ 1241 Bellevue Street, Green Bay, WI 54302	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: 25Apr2018
	Document No.: **F-GB-C-031-Rev.07**	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40205219

40205219

Client Name: Accom

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

Tracking #: –

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

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

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

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

Cooler Temperature Uncorr: NOT /Corr:

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

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 3/26/20
Initials: NLP

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

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

Person Contacted: Date/Time:

Comments/ Resolution: Additional Volume For 002 Received 3/26/20 CAT

Project Manager Review: CAT **Date:** 3/26/20

SP-108	0.5 - 1.5 ft	19 - 20 ft
PCE	ND	ND
Lead	**78.9** [C]	1.9 [J]

SP-106	0.5 - 1.5 ft	10 - 12 ft	18 - 19 ft
PCE	ND	**64.9** [C]	**59.4** [JC]
Lead	8.6	0.99 [J]	NT

SP-109	0.5 - 1.5 ft	18 - 19 ft
PCE	ND	ND
Lead	6.3	0.85 [J]

SP-105	0.5 - 1.5 ft	20 - 21 ft	26 - 27 ft
PCE	ND	ND	**69.5** [JC]
Lead	9.1	0.72 [J]	NT

SP-104	0.5 - 1.5 ft	18 - 19 ft
PCE	**30.1** [JC]	**63.7** [C]
Lead	5	1 [J]

SP-110	0.5 - 1.5 ft	18 - 19 ft
PCE	ND	ND
Lead	8.4	3.4

SP-112	0.5 - 1.5 ft	21 - 22 ft
PCE	ND	**77.4** [C]
Lead	10.3	1 [J]

SP-114	0.5 - 1.5 ft	21 - 22 ft
PCE	ND	ND
Lead	7.4	0.88 [J]

SP-111	0.5 - 1.5 ft	21 - 22 ft
PCE	ND	ND
Lead	**183** [C]	1.5 [J]

SP-103	0.5 - 1.5 ft	12 - 14 ft	18 - 20 ft
PCE	ND	ND	**277** [C]
Lead	23.3	4.1	NT

SP-113	0.5 - 1.5 ft	22 - 23 ft
PCE	ND	ND
Lead	6.2	1.6 [J]

SP-101	0.5 - 1.5 ft	8 - 10 ft	18 - 20 ft
PCE	ND	**57** [JC]	**32.6** [JC]
Lead	**39.1** [C]	3.7	NT

SP-102	0.5 - 1.5 ft	19 - 20 ft
PCE	**59.5** [JC]	ND
Lead	11.2	1.3 [J]

SP-115	0.5 - 1.5 ft	10 - 12 ft	18 - 20 ft
PCE	ND	**169** [C]	**368** [C]
Lead	11.6	2.3	NT

SP-107
SP-106
SP-109
SP-105
SP-108
SP-104
SP-110
SP-112
SP-114
SP-111
SP-113
SP-103
MW-6
MW-5
SP-102
MW-4
SP-101
SP-115

917 Derby Lane
923 Derby Lane
1324 South Webster Avenue
Derby Lane
South Webster Avenue

[C]= Parameter exceeds Generic RCL for Groundwater Pathway.
Generic RCLs Dec 2018 per WDNR PUB-RR-890.
ND = Not Detected. Detection limit shown on Table 1 NT = Not Tested
PCE = Tetrachloroethene

Legend:
- Parcel Boundaries
- Location of Former Underground Storage Tank
- Existing Monitoring Well
- Temporary Well
- Soil Probe Boring - Installed, but not completed
- Soil Probe Boring - Installed
  Highlighted boring are
  the locations to be delineated

0' 20' 40' 80'
SCALE

N

AECOM
558 North Main St.
Oshkosh, WI
54902
920.235.0321

Soil Delineation Proposal
1324 S Webster Ave. & 917-923 Derby Ln. Village of Allouez, WI 54301

Soil Laboratory Analytical Results
with RCL Exceedances
Map from Phase II ESA

Project Number: OPP-1024063
Drawn By: CAS
Date: March/2020

Figure No. 2

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