



April 24, 2024

Richard Mazurkiewicz  
Ramboll US Consulting, Inc.  
234 W. Florida Street  
Fifth Floor  
Milwaukee, WI 53204

RE: Project: 1690023383\_CONV BETA BECHER  
Pace Project No.: 40276958

Dear Richard Mazurkiewicz:

Enclosed are the analytical results for sample(s) received by the laboratory on April 18, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,

Steven Mleczko  
steve.mleczko@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: Duncan Glasford, Ramboll US Consulting, Inc.  
Kyle Heimstead, Ramboll US Consulting, Inc.



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 1690023383\_CONV BETA BECHER

Pace Project No.: 40276958

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### **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

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

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### SAMPLE SUMMARY

Project: 1690023383\_CONV BETA BECHER  
Pace Project No.: 40276958

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40276958001	UST-1 (4)	Solid	04/17/24 13:41	04/18/24 08:40
40276958002	TB-01	Solid	04/17/24 14:00	04/18/24 08:40

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### SAMPLE ANALYTE COUNT

Project: 1690023383\_CONV BETA BECHER

Pace Project No.: 40276958

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Lab ID	Sample ID	Method	Analysts	Analytes Reported
40276958001	UST-1 (4)	EPA 8082A	BLM	10
		EPA 6010D	SIS	7
		EPA 7471	RZA	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	ALD	65
		ASTM D2974-87	MYH	1
40276958002	TB-01	EPA 8260	ALD	65

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PASI-G = Pace Analytical Services - Green Bay

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## ANALYTICAL RESULTS

Project: 1690023383\_CONV BETA BECHER

Pace Project No.: 40276958

Sample: UST-1 (4) Lab ID: 40276958001 Collected: 04/17/24 13:41 Received: 04/18/24 08:40 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
<b>8082A GCS PCB</b>									
Analytical Method: EPA 8082A Preparation Method: EPA 3541									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	<18.3	ug/kg	60.2	18.3	1	04/18/24 12:42	04/19/24 04:53	12674-11-2	
PCB-1221 (Aroclor 1221)	<18.3	ug/kg	60.2	18.3	1	04/18/24 12:42	04/19/24 04:53	11104-28-2	
PCB-1232 (Aroclor 1232)	<18.3	ug/kg	60.2	18.3	1	04/18/24 12:42	04/19/24 04:53	11141-16-5	
PCB-1242 (Aroclor 1242)	26.1J	ug/kg	60.2	18.3	1	04/18/24 12:42	04/19/24 04:53	53469-21-9	
PCB-1248 (Aroclor 1248)	<18.3	ug/kg	60.2	18.3	1	04/18/24 12:42	04/19/24 04:53	12672-29-6	
PCB-1254 (Aroclor 1254)	45.6J	ug/kg	60.2	18.3	1	04/18/24 12:42	04/19/24 04:53	11097-69-1	
PCB-1260 (Aroclor 1260)	<18.3	ug/kg	60.2	18.3	1	04/18/24 12:42	04/19/24 04:53	11096-82-5	
PCB, Total	71.7	ug/kg	60.2	18.3	1	04/18/24 12:42	04/19/24 04:53	1336-36-3	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	90	%	44-120		1	04/18/24 12:42	04/19/24 04:53	877-09-8	
Decachlorobiphenyl (S)	85	%	34-120		1	04/18/24 12:42	04/19/24 04:53	2051-24-3	
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	8.3	mg/kg	6.0	3.5	2	04/19/24 08:17	04/22/24 14:01	7440-38-2	M0,R1
Barium	74.8	mg/kg	1.2	0.36	2	04/19/24 08:17	04/22/24 14:01	7440-39-3	M0
Cadmium	0.41J	mg/kg	1.2	0.32	2	04/19/24 08:17	04/22/24 14:01	7440-43-9	D3
Chromium	53.5	mg/kg	2.4	0.67	2	04/19/24 08:17	04/22/24 14:01	7440-47-3	M0
Lead	281	mg/kg	24.0	7.2	10	04/19/24 08:17	04/22/24 13:48	7439-92-1	P6,R1
Selenium	<3.1	mg/kg	9.6	3.1	2	04/19/24 08:17	04/22/24 14:01	7782-49-2	D3
Silver	<0.74	mg/kg	2.4	0.74	2	04/19/24 08:17	04/22/24 14:01	7440-22-4	D3
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.080	mg/kg	0.038	0.011	1	04/19/24 06:38	04/19/24 12:47	7439-97-6	
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	80.3J	ug/kg	201	26.0	10	04/23/24 06:40	04/23/24 19:23	83-32-9	
Acenaphthylene	32.4J	ug/kg	201	25.3	10	04/23/24 06:40	04/23/24 19:23	208-96-8	
Anthracene	242	ug/kg	201	24.9	10	04/23/24 06:40	04/23/24 19:23	120-12-7	
Benzo(a)anthracene	1340	ug/kg	201	25.9	10	04/23/24 06:40	04/23/24 19:23	56-55-3	
Benzo(a)pyrene	1890	ug/kg	201	22.8	10	04/23/24 06:40	04/23/24 19:23	50-32-8	
Benzo(b)fluoranthene	3490	ug/kg	201	27.9	10	04/23/24 06:40	04/23/24 19:23	205-99-2	
Benzo(g,h,i)perylene	1600	ug/kg	201	35.2	10	04/23/24 06:40	04/23/24 19:23	191-24-2	
Benzo(k)fluoranthene	1560	ug/kg	201	25.7	10	04/23/24 06:40	04/23/24 19:23	207-08-9	
Chrysene	1940	ug/kg	201	37.9	10	04/23/24 06:40	04/23/24 19:23	218-01-9	
Dibenz(a,h)anthracene	487	ug/kg	201	27.8	10	04/23/24 06:40	04/23/24 19:23	53-70-3	
Fluoranthene	1990	ug/kg	201	23.8	10	04/23/24 06:40	04/23/24 19:23	206-44-0	
Fluorene	76.5J	ug/kg	201	24.1	10	04/23/24 06:40	04/23/24 19:23	86-73-7	
Indeno(1,2,3-cd)pyrene	1420	ug/kg	201	41.8	10	04/23/24 06:40	04/23/24 19:23	193-39-5	
1-Methylnaphthalene	235	ug/kg	201	29.3	10	04/23/24 06:40	04/23/24 19:23	90-12-0	
2-Methylnaphthalene	306	ug/kg	201	29.4	10	04/23/24 06:40	04/23/24 19:23	91-57-6	
Naphthalene	302	ug/kg	201	19.6	10	04/23/24 06:40	04/23/24 19:23	91-20-3	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1690023383\_CONV BETA BECHER

Pace Project No.: 40276958

Sample: UST-1 (4) Lab ID: 40276958001 Collected: 04/17/24 13:41 Received: 04/18/24 08:40 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
<b>8270E MSSV PAH by SIM</b>									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Phenanthrene	1200	ug/kg	201	23.0	10	04/23/24 06:40	04/23/24 19:23	85-01-8	
Pyrene	1600	ug/kg	201	29.5	10	04/23/24 06:40	04/23/24 19:23	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	59	%	39-120		10	04/23/24 06:40	04/23/24 19:23	321-60-8	
Terphenyl-d14 (S)	67	%	36-120		10	04/23/24 06:40	04/23/24 19:23	1718-51-0	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<20.4	ug/kg	85.2	20.4	1	04/19/24 09:45	04/22/24 13:55	630-20-6	
1,1,1-Trichloroethane	<21.8	ug/kg	85.2	21.8	1	04/19/24 09:45	04/22/24 13:55	71-55-6	
1,1,2,2-Tetrachloroethane	<30.8	ug/kg	85.2	30.8	1	04/19/24 09:45	04/22/24 13:55	79-34-5	
1,1,2-Trichloroethane	<31.0	ug/kg	85.2	31.0	1	04/19/24 09:45	04/22/24 13:55	79-00-5	
1,1-Dichloroethane	<21.8	ug/kg	85.2	21.8	1	04/19/24 09:45	04/22/24 13:55	75-34-3	
1,1-Dichloroethene	<28.3	ug/kg	85.2	28.3	1	04/19/24 09:45	04/22/24 13:55	75-35-4	
1,1-Dichloropropene	<27.6	ug/kg	85.2	27.6	1	04/19/24 09:45	04/22/24 13:55	563-58-6	
1,2,3-Trichlorobenzene	<94.9	ug/kg	426	94.9	1	04/19/24 09:45	04/22/24 13:55	87-61-6	
1,2,3-Trichloropropane	<41.4	ug/kg	85.2	41.4	1	04/19/24 09:45	04/22/24 13:55	96-18-4	
1,2,4-Trichlorobenzene	<70.2	ug/kg	426	70.2	1	04/19/24 09:45	04/22/24 13:55	120-82-1	
1,2,4-Trimethylbenzene	44.5J	ug/kg	85.2	25.4	1	04/19/24 09:45	04/22/24 13:55	95-63-6	
1,2-Dibromo-3-chloropropane	<66.1	ug/kg	426	66.1	1	04/19/24 09:45	04/22/24 13:55	96-12-8	
1,2-Dibromoethane (EDB)	<23.3	ug/kg	85.2	23.3	1	04/19/24 09:45	04/22/24 13:55	106-93-4	
1,2-Dichlorobenzene	<26.4	ug/kg	85.2	26.4	1	04/19/24 09:45	04/22/24 13:55	95-50-1	
1,2-Dichloroethane	<19.6	ug/kg	85.2	19.6	1	04/19/24 09:45	04/22/24 13:55	107-06-2	
1,2-Dichloropropane	<20.3	ug/kg	85.2	20.3	1	04/19/24 09:45	04/22/24 13:55	78-87-5	
1,3,5-Trimethylbenzene	<27.4	ug/kg	85.2	27.4	1	04/19/24 09:45	04/22/24 13:55	108-67-8	
1,3-Dichlorobenzene	<23.3	ug/kg	85.2	23.3	1	04/19/24 09:45	04/22/24 13:55	541-73-1	
1,3-Dichloropropane	<18.6	ug/kg	85.2	18.6	1	04/19/24 09:45	04/22/24 13:55	142-28-9	
1,4-Dichlorobenzene	<23.3	ug/kg	85.2	23.3	1	04/19/24 09:45	04/22/24 13:55	106-46-7	
2,2-Dichloropropane	<23.0	ug/kg	85.2	23.0	1	04/19/24 09:45	04/22/24 13:55	594-20-7	
2-Chlorotoluene	<27.6	ug/kg	85.2	27.6	1	04/19/24 09:45	04/22/24 13:55	95-49-8	
4-Chlorotoluene	<32.4	ug/kg	85.2	32.4	1	04/19/24 09:45	04/22/24 13:55	106-43-4	
Benzene	<20.3	ug/kg	34.1	20.3	1	04/19/24 09:45	04/22/24 13:55	71-43-2	
Bromobenzene	<33.2	ug/kg	85.2	33.2	1	04/19/24 09:45	04/22/24 13:55	108-86-1	
Bromochloromethane	<23.3	ug/kg	85.2	23.3	1	04/19/24 09:45	04/22/24 13:55	74-97-5	
Bromodichloromethane	<20.3	ug/kg	85.2	20.3	1	04/19/24 09:45	04/22/24 13:55	75-27-4	
Bromoform	<375	ug/kg	426	375	1	04/19/24 09:45	04/22/24 13:55	75-25-2	
Bromomethane	<119	ug/kg	426	119	1	04/19/24 09:45	04/22/24 13:55	74-83-9	
Carbon tetrachloride	<18.7	ug/kg	85.2	18.7	1	04/19/24 09:45	04/22/24 13:55	56-23-5	
Chlorobenzene	<10.2	ug/kg	85.2	10.2	1	04/19/24 09:45	04/22/24 13:55	108-90-7	
Chloroethane	<36.0	ug/kg	426	36.0	1	04/19/24 09:45	04/22/24 13:55	75-00-3	
Chloroform	<61.0	ug/kg	426	61.0	1	04/19/24 09:45	04/22/24 13:55	67-66-3	
Chloromethane	<32.4	ug/kg	85.2	32.4	1	04/19/24 09:45	04/22/24 13:55	74-87-3	
Dibromochloromethane	<291	ug/kg	426	291	1	04/19/24 09:45	04/22/24 13:55	124-48-1	
Dibromomethane	<25.2	ug/kg	85.2	25.2	1	04/19/24 09:45	04/22/24 13:55	74-95-3	

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## ANALYTICAL RESULTS

Project: 1690023383\_CONV BETA BECHER

Pace Project No.: 40276958

Sample: UST-1 (4) Lab ID: 40276958001 Collected: 04/17/24 13:41 Received: 04/18/24 08:40 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
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Dichlorodifluoromethane	<36.6	ug/kg	85.2	36.6	1	04/19/24 09:45	04/22/24 13:55	75-71-8	
Diisopropyl ether	<21.1	ug/kg	85.2	21.1	1	04/19/24 09:45	04/22/24 13:55	108-20-3	
Ethylbenzene	44.0J	ug/kg	85.2	20.3	1	04/19/24 09:45	04/22/24 13:55	100-41-4	
Hexachloro-1,3-butadiene	<169	ug/kg	426	169	1	04/19/24 09:45	04/22/24 13:55	87-68-3	
Isopropylbenzene (Cumene)	<23.0	ug/kg	85.2	23.0	1	04/19/24 09:45	04/22/24 13:55	98-82-8	
Methyl-tert-butyl ether	<25.1	ug/kg	85.2	25.1	1	04/19/24 09:45	04/22/24 13:55	1634-04-4	
Methylene Chloride	<23.7	ug/kg	85.2	23.7	1	04/19/24 09:45	04/22/24 13:55	75-09-2	
Naphthalene	102J	ug/kg	426	35.8	1	04/19/24 09:45	04/22/24 13:55	91-20-3	
Styrene	<21.8	ug/kg	85.2	21.8	1	04/19/24 09:45	04/22/24 13:55	100-42-5	
Tetrachloroethene	<33.1	ug/kg	85.2	33.1	1	04/19/24 09:45	04/22/24 13:55	127-18-4	
Toluene	81.9J	ug/kg	85.2	21.5	1	04/19/24 09:45	04/22/24 13:55	108-88-3	
Trichloroethene	<31.9	ug/kg	85.2	31.9	1	04/19/24 09:45	04/22/24 13:55	79-01-6	
Trichlorofluoromethane	<24.7	ug/kg	85.2	24.7	1	04/19/24 09:45	04/22/24 13:55	75-69-4	
Vinyl chloride	<17.2	ug/kg	85.2	17.2	1	04/19/24 09:45	04/22/24 13:55	75-01-4	
Xylene (Total)	355	ug/kg	256	61.5	1	04/19/24 09:45	04/22/24 13:55	1330-20-7	
cis-1,2-Dichloroethene	<18.2	ug/kg	85.2	18.2	1	04/19/24 09:45	04/22/24 13:55	156-59-2	
cis-1,3-Dichloropropene	<56.2	ug/kg	426	56.2	1	04/19/24 09:45	04/22/24 13:55	10061-01-5	
m&p-Xylene	237	ug/kg	170	36.0	1	04/19/24 09:45	04/22/24 13:55	179601-23-1	
n-Butylbenzene	<39.0	ug/kg	85.2	39.0	1	04/19/24 09:45	04/22/24 13:55	104-51-8	
n-Propylbenzene	<20.4	ug/kg	85.2	20.4	1	04/19/24 09:45	04/22/24 13:55	103-65-1	
o-Xylene	118	ug/kg	85.2	25.6	1	04/19/24 09:45	04/22/24 13:55	95-47-6	
p-Isopropyltoluene	<29.0	ug/kg	85.2	29.0	1	04/19/24 09:45	04/22/24 13:55	99-87-6	
sec-Butylbenzene	<29.2	ug/kg	85.2	29.2	1	04/19/24 09:45	04/22/24 13:55	135-98-8	
tert-Butylbenzene	<26.8	ug/kg	85.2	26.8	1	04/19/24 09:45	04/22/24 13:55	98-06-6	
trans-1,2-Dichloroethene	<18.6	ug/kg	85.2	18.6	1	04/19/24 09:45	04/22/24 13:55	156-60-5	
trans-1,3-Dichloropropene	<244	ug/kg	426	244	1	04/19/24 09:45	04/22/24 13:55	10061-02-6	
<b>Surrogates</b>									
Toluene-d8 (S)	121	%	70-139		1	04/19/24 09:45	04/22/24 13:55	2037-26-5	
4-Bromofluorobenzene (S)	99	%	72-142		1	04/19/24 09:45	04/22/24 13:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	67-144		1	04/19/24 09:45	04/22/24 13:55	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	16.8	%	0.10	0.10	1		04/18/24 13:40		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1690023383\_CONV BETA BECHER

Pace Project No.: 40276958

Sample: TB-01 Lab ID: 40276958002 Collected: 04/17/24 14:00 Received: 04/18/24 08:40 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay							
1,1,1,2-Tetrachloroethane	<12.0	ug/kg	50.0	12.0	1	04/19/24 09:45	04/19/24 13:48	630-20-6	
1,1,1-Trichloroethane	<12.8	ug/kg	50.0	12.8	1	04/19/24 09:45	04/19/24 13:48	71-55-6	
1,1,2,2-Tetrachloroethane	<18.1	ug/kg	50.0	18.1	1	04/19/24 09:45	04/19/24 13:48	79-34-5	
1,1,2-Trichloroethane	<18.2	ug/kg	50.0	18.2	1	04/19/24 09:45	04/19/24 13:48	79-00-5	
1,1-Dichloroethane	<12.8	ug/kg	50.0	12.8	1	04/19/24 09:45	04/19/24 13:48	75-34-3	
1,1-Dichloroethene	<16.6	ug/kg	50.0	16.6	1	04/19/24 09:45	04/19/24 13:48	75-35-4	
1,1-Dichloropropene	<16.2	ug/kg	50.0	16.2	1	04/19/24 09:45	04/19/24 13:48	563-58-6	
1,2,3-Trichlorobenzene	<55.7	ug/kg	250	55.7	1	04/19/24 09:45	04/19/24 13:48	87-61-6	
1,2,3-Trichloropropane	<24.3	ug/kg	50.0	24.3	1	04/19/24 09:45	04/19/24 13:48	96-18-4	
1,2,4-Trichlorobenzene	<41.2	ug/kg	250	41.2	1	04/19/24 09:45	04/19/24 13:48	120-82-1	
1,2,4-Trimethylbenzene	<14.9	ug/kg	50.0	14.9	1	04/19/24 09:45	04/19/24 13:48	95-63-6	
1,2-Dibromo-3-chloropropane	<38.8	ug/kg	250	38.8	1	04/19/24 09:45	04/19/24 13:48	96-12-8	
1,2-Dibromoethane (EDB)	<13.7	ug/kg	50.0	13.7	1	04/19/24 09:45	04/19/24 13:48	106-93-4	
1,2-Dichlorobenzene	<15.5	ug/kg	50.0	15.5	1	04/19/24 09:45	04/19/24 13:48	95-50-1	
1,2-Dichloroethane	<11.5	ug/kg	50.0	11.5	1	04/19/24 09:45	04/19/24 13:48	107-06-2	
1,2-Dichloropropane	<11.9	ug/kg	50.0	11.9	1	04/19/24 09:45	04/19/24 13:48	78-87-5	
1,3,5-Trimethylbenzene	<16.1	ug/kg	50.0	16.1	1	04/19/24 09:45	04/19/24 13:48	108-67-8	
1,3-Dichlorobenzene	<13.7	ug/kg	50.0	13.7	1	04/19/24 09:45	04/19/24 13:48	541-73-1	
1,3-Dichloropropane	<10.9	ug/kg	50.0	10.9	1	04/19/24 09:45	04/19/24 13:48	142-28-9	
1,4-Dichlorobenzene	<13.7	ug/kg	50.0	13.7	1	04/19/24 09:45	04/19/24 13:48	106-46-7	
2,2-Dichloropropane	<13.5	ug/kg	50.0	13.5	1	04/19/24 09:45	04/19/24 13:48	594-20-7	
2-Chlorotoluene	<16.2	ug/kg	50.0	16.2	1	04/19/24 09:45	04/19/24 13:48	95-49-8	
4-Chlorotoluene	<19.0	ug/kg	50.0	19.0	1	04/19/24 09:45	04/19/24 13:48	106-43-4	
Benzene	<11.9	ug/kg	20.0	11.9	1	04/19/24 09:45	04/19/24 13:48	71-43-2	
Bromobenzene	<19.5	ug/kg	50.0	19.5	1	04/19/24 09:45	04/19/24 13:48	108-86-1	
Bromochloromethane	<13.7	ug/kg	50.0	13.7	1	04/19/24 09:45	04/19/24 13:48	74-97-5	
Bromodichloromethane	<11.9	ug/kg	50.0	11.9	1	04/19/24 09:45	04/19/24 13:48	75-27-4	
Bromoform	<220	ug/kg	250	220	1	04/19/24 09:45	04/19/24 13:48	75-25-2	
Bromomethane	<70.1	ug/kg	250	70.1	1	04/19/24 09:45	04/19/24 13:48	74-83-9	
Carbon tetrachloride	<11.0	ug/kg	50.0	11.0	1	04/19/24 09:45	04/19/24 13:48	56-23-5	
Chlorobenzene	<6.0	ug/kg	50.0	6.0	1	04/19/24 09:45	04/19/24 13:48	108-90-7	
Chloroethane	<21.1	ug/kg	250	21.1	1	04/19/24 09:45	04/19/24 13:48	75-00-3	
Chloroform	<35.8	ug/kg	250	35.8	1	04/19/24 09:45	04/19/24 13:48	67-66-3	
Chloromethane	<19.0	ug/kg	50.0	19.0	1	04/19/24 09:45	04/19/24 13:48	74-87-3	
Dibromochloromethane	<171	ug/kg	250	171	1	04/19/24 09:45	04/19/24 13:48	124-48-1	
Dibromomethane	<14.8	ug/kg	50.0	14.8	1	04/19/24 09:45	04/19/24 13:48	74-95-3	
Dichlorodifluoromethane	<21.5	ug/kg	50.0	21.5	1	04/19/24 09:45	04/19/24 13:48	75-71-8	
Diisopropyl ether	<12.4	ug/kg	50.0	12.4	1	04/19/24 09:45	04/19/24 13:48	108-20-3	
Ethylbenzene	<11.9	ug/kg	50.0	11.9	1	04/19/24 09:45	04/19/24 13:48	100-41-4	
Hexachloro-1,3-butadiene	<99.4	ug/kg	250	99.4	1	04/19/24 09:45	04/19/24 13:48	87-68-3	
Isopropylbenzene (Cumene)	<13.5	ug/kg	50.0	13.5	1	04/19/24 09:45	04/19/24 13:48	98-82-8	
Methyl-tert-butyl ether	<14.7	ug/kg	50.0	14.7	1	04/19/24 09:45	04/19/24 13:48	1634-04-4	
Methylene Chloride	<13.9	ug/kg	50.0	13.9	1	04/19/24 09:45	04/19/24 13:48	75-09-2	
Naphthalene	<21.0	ug/kg	250	21.0	1	04/19/24 09:45	04/19/24 13:48	91-20-3	

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## ANALYTICAL RESULTS

Project: 1690023383\_CONV BETA BECHER

Pace Project No.: 40276958

Sample: TB-01 Lab ID: 40276958002 Collected: 04/17/24 14:00 Received: 04/18/24 08:40 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay							
Styrene	<12.8	ug/kg	50.0	12.8	1	04/19/24 09:45	04/19/24 13:48	100-42-5	
Tetrachloroethene	<19.4	ug/kg	50.0	19.4	1	04/19/24 09:45	04/19/24 13:48	127-18-4	
Toluene	<12.6	ug/kg	50.0	12.6	1	04/19/24 09:45	04/19/24 13:48	108-88-3	
Trichloroethene	<18.7	ug/kg	50.0	18.7	1	04/19/24 09:45	04/19/24 13:48	79-01-6	
Trichlorofluoromethane	<14.5	ug/kg	50.0	14.5	1	04/19/24 09:45	04/19/24 13:48	75-69-4	
Vinyl chloride	<10.1	ug/kg	50.0	10.1	1	04/19/24 09:45	04/19/24 13:48	75-01-4	
Xylene (Total)	<36.1	ug/kg	150	36.1	1	04/19/24 09:45	04/19/24 13:48	1330-20-7	
cis-1,2-Dichloroethene	<10.7	ug/kg	50.0	10.7	1	04/19/24 09:45	04/19/24 13:48	156-59-2	
cis-1,3-Dichloropropene	<33.0	ug/kg	250	33.0	1	04/19/24 09:45	04/19/24 13:48	10061-01-5	
m&p-Xylene	<21.1	ug/kg	100	21.1	1	04/19/24 09:45	04/19/24 13:48	179601-23-1	
n-Butylbenzene	<22.9	ug/kg	50.0	22.9	1	04/19/24 09:45	04/19/24 13:48	104-51-8	
n-Propylbenzene	<12.0	ug/kg	50.0	12.0	1	04/19/24 09:45	04/19/24 13:48	103-65-1	
o-Xylene	<15.0	ug/kg	50.0	15.0	1	04/19/24 09:45	04/19/24 13:48	95-47-6	
p-Isopropyltoluene	<17.0	ug/kg	50.0	17.0	1	04/19/24 09:45	04/19/24 13:48	99-87-6	
sec-Butylbenzene	<17.2	ug/kg	50.0	17.2	1	04/19/24 09:45	04/19/24 13:48	135-98-8	
tert-Butylbenzene	<15.7	ug/kg	50.0	15.7	1	04/19/24 09:45	04/19/24 13:48	98-06-6	
trans-1,2-Dichloroethene	<10.9	ug/kg	50.0	10.9	1	04/19/24 09:45	04/19/24 13:48	156-60-5	
trans-1,3-Dichloropropene	<143	ug/kg	250	143	1	04/19/24 09:45	04/19/24 13:48	10061-02-6	
<b>Surrogates</b>									
Toluene-d8 (S)	96	%	70-139		1	04/19/24 09:45	04/19/24 13:48	2037-26-5	
4-Bromofluorobenzene (S)	98	%	72-142		1	04/19/24 09:45	04/19/24 13:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	67-144		1	04/19/24 09:45	04/19/24 13:48	2199-69-1	

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**QUALITY CONTROL DATA**

Project: 1690023383\_CONV BETA BECHER

Pace Project No.: 40276958

QC Batch: 472049	Analysis Method: EPA 7471
QC Batch Method: EPA 7471	Analysis Description: 7471 Mercury
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40276958001

METHOD BLANK: 2703338 Matrix: Solid

Associated Lab Samples: 40276958001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.010	0.035	04/19/24 11:42	

LABORATORY CONTROL SAMPLE: 2703339

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.83	0.80	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2703340 2703341

Parameter	Units	2703340		2703341		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/kg	0.14	0.86	0.91	0.89	90	87	85-115	3	20	

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**QUALITY CONTROL DATA**

Project: 1690023383\_CONV BETA BECHER

Pace Project No.: 40276958

QC Batch: 472121

Analysis Method: EPA 6010D

QC Batch Method: EPA 3050B

Analysis Description: 6010D MET

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40276958001

METHOD BLANK: 2703881

Matrix: Solid

Associated Lab Samples: 40276958001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<1.5	2.5	04/22/24 13:44	
Barium	mg/kg	<0.15	0.50	04/22/24 13:44	
Cadmium	mg/kg	<0.13	0.50	04/22/24 13:44	
Chromium	mg/kg	<0.28	1.0	04/22/24 13:44	
Lead	mg/kg	<0.60	2.0	04/22/24 13:44	
Selenium	mg/kg	<1.3	4.0	04/22/24 13:44	
Silver	mg/kg	<0.31	1.0	04/22/24 13:44	

LABORATORY CONTROL SAMPLE: 2703882

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	25	24.6	99	80-120	
Barium	mg/kg	25	25.8	103	80-120	
Cadmium	mg/kg	25	26.1	105	80-120	
Chromium	mg/kg	25	25.5	102	80-120	
Lead	mg/kg	25	26.3	105	80-120	
Selenium	mg/kg	25	25.5	102	80-120	
Silver	mg/kg	12.5	13.0	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2703883 2703884

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40276958001 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
Arsenic	mg/kg	8.3	29.8	29.8	53.7	40.9	152	109	75-125	27	20	M0,R1
Barium	mg/kg	74.8	29.8	29.8	118	109	144	115	75-125	8	20	M0
Cadmium	mg/kg	0.41J	29.8	29.8	31.3	30.7	104	102	75-125	2	20	
Chromium	mg/kg	53.5	29.8	29.8	70.2	71.2	56	59	75-125	1	20	M0
Lead	mg/kg	281	29.8	29.8	336	223	185	-193	75-125	40	20	P6,R1
Selenium	mg/kg	<3.1	29.8	29.8	31.2	29.5	105	99	75-125	5	20	
Silver	mg/kg	<0.74	14.9	14.9	15.7	14.8	104	98	75-125	6	20	

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## QUALITY CONTROL DATA

Project: 1690023383\_CONV BETA BECHER

Pace Project No.: 40276958

QC Batch: 472171

Analysis Method: EPA 8260

QC Batch Method: EPA 5035/5030B

Analysis Description: 8260 MSV Med Level Normal List

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40276958001, 40276958002

METHOD BLANK: 2704147

Matrix: Solid

Associated Lab Samples: 40276958001, 40276958002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<12.0	50.0	04/19/24 11:34	
1,1,1-Trichloroethane	ug/kg	<12.8	50.0	04/19/24 11:34	
1,1,2,2-Tetrachloroethane	ug/kg	<18.1	50.0	04/19/24 11:34	
1,1,2-Trichloroethane	ug/kg	<18.2	50.0	04/19/24 11:34	
1,1-Dichloroethane	ug/kg	<12.8	50.0	04/19/24 11:34	
1,1-Dichloroethene	ug/kg	<16.6	50.0	04/19/24 11:34	
1,1-Dichloropropene	ug/kg	<16.2	50.0	04/19/24 11:34	
1,2,3-Trichlorobenzene	ug/kg	<55.7	250	04/19/24 11:34	
1,2,3-Trichloropropane	ug/kg	<24.3	50.0	04/19/24 11:34	
1,2,4-Trichlorobenzene	ug/kg	<41.2	250	04/19/24 11:34	
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	04/19/24 11:34	
1,2-Dibromo-3-chloropropane	ug/kg	<38.8	250	04/19/24 11:34	
1,2-Dibromoethane (EDB)	ug/kg	<13.7	50.0	04/19/24 11:34	
1,2-Dichlorobenzene	ug/kg	<15.5	50.0	04/19/24 11:34	
1,2-Dichloroethane	ug/kg	<11.5	50.0	04/19/24 11:34	
1,2-Dichloropropane	ug/kg	<11.9	50.0	04/19/24 11:34	
1,3,5-Trimethylbenzene	ug/kg	<16.1	50.0	04/19/24 11:34	
1,3-Dichlorobenzene	ug/kg	<13.7	50.0	04/19/24 11:34	
1,3-Dichloropropane	ug/kg	<10.9	50.0	04/19/24 11:34	
1,4-Dichlorobenzene	ug/kg	<13.7	50.0	04/19/24 11:34	
2,2-Dichloropropane	ug/kg	<13.5	50.0	04/19/24 11:34	
2-Chlorotoluene	ug/kg	<16.2	50.0	04/19/24 11:34	
4-Chlorotoluene	ug/kg	<19.0	50.0	04/19/24 11:34	
Benzene	ug/kg	<11.9	20.0	04/19/24 11:34	
Bromobenzene	ug/kg	<19.5	50.0	04/19/24 11:34	
Bromochloromethane	ug/kg	<13.7	50.0	04/19/24 11:34	
Bromodichloromethane	ug/kg	<11.9	50.0	04/19/24 11:34	
Bromoform	ug/kg	<220	250	04/19/24 11:34	
Bromomethane	ug/kg	<70.1	250	04/19/24 11:34	
Carbon tetrachloride	ug/kg	<11.0	50.0	04/19/24 11:34	
Chlorobenzene	ug/kg	<6.0	50.0	04/19/24 11:34	
Chloroethane	ug/kg	<21.1	250	04/19/24 11:34	
Chloroform	ug/kg	<35.8	250	04/19/24 11:34	
Chloromethane	ug/kg	<19.0	50.0	04/19/24 11:34	
cis-1,2-Dichloroethene	ug/kg	<10.7	50.0	04/19/24 11:34	
cis-1,3-Dichloropropene	ug/kg	<33.0	250	04/19/24 11:34	
Dibromochloromethane	ug/kg	<171	250	04/19/24 11:34	
Dibromomethane	ug/kg	<14.8	50.0	04/19/24 11:34	
Dichlorodifluoromethane	ug/kg	<21.5	50.0	04/19/24 11:34	
Diisopropyl ether	ug/kg	<12.4	50.0	04/19/24 11:34	

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## QUALITY CONTROL DATA

Project: 1690023383\_CONV BETA BECHER

Pace Project No.: 40276958

METHOD BLANK: 2704147

Matrix: Solid

Associated Lab Samples: 40276958001, 40276958002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<11.9	50.0	04/19/24 11:34	
Hexachloro-1,3-butadiene	ug/kg	<99.4	250	04/19/24 11:34	
Isopropylbenzene (Cumene)	ug/kg	<13.5	50.0	04/19/24 11:34	
m&p-Xylene	ug/kg	<21.1	100	04/19/24 11:34	
Methyl-tert-butyl ether	ug/kg	<14.7	50.0	04/19/24 11:34	
Methylene Chloride	ug/kg	<13.9	50.0	04/19/24 11:34	
n-Butylbenzene	ug/kg	<22.9	50.0	04/19/24 11:34	
n-Propylbenzene	ug/kg	<12.0	50.0	04/19/24 11:34	
Naphthalene	ug/kg	<21.0	250	04/19/24 11:34	
o-Xylene	ug/kg	<15.0	50.0	04/19/24 11:34	
p-Isopropyltoluene	ug/kg	<17.0	50.0	04/19/24 11:34	
sec-Butylbenzene	ug/kg	20.3J	50.0	04/19/24 11:34	
Styrene	ug/kg	<12.8	50.0	04/19/24 11:34	
tert-Butylbenzene	ug/kg	<15.7	50.0	04/19/24 11:34	
Tetrachloroethene	ug/kg	<19.4	50.0	04/19/24 11:34	
Toluene	ug/kg	<12.6	50.0	04/19/24 11:34	
trans-1,2-Dichloroethene	ug/kg	<10.9	50.0	04/19/24 11:34	
trans-1,3-Dichloropropene	ug/kg	<143	250	04/19/24 11:34	
Trichloroethene	ug/kg	<18.7	50.0	04/19/24 11:34	
Trichlorofluoromethane	ug/kg	<14.5	50.0	04/19/24 11:34	
Vinyl chloride	ug/kg	<10.1	50.0	04/19/24 11:34	
Xylene (Total)	ug/kg	<36.1	150	04/19/24 11:34	
1,2-Dichlorobenzene-d4 (S)	%	105	67-144	04/19/24 11:34	
4-Bromofluorobenzene (S)	%	99	72-142	04/19/24 11:34	
Toluene-d8 (S)	%	95	70-139	04/19/24 11:34	

LABORATORY CONTROL SAMPLE: 2704148

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2430	97	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2530	101	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2290	91	70-130	
1,1-Dichloroethane	ug/kg	2500	2460	99	70-130	
1,1-Dichloroethene	ug/kg	2500	2330	93	77-122	
1,2,4-Trichlorobenzene	ug/kg	2500	2470	99	66-125	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2120	85	66-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2540	102	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2580	103	70-130	
1,2-Dichloroethane	ug/kg	2500	2670	107	70-130	
1,2-Dichloropropane	ug/kg	2500	2570	103	80-121	
1,3-Dichlorobenzene	ug/kg	2500	2520	101	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2570	103	70-130	
Benzene	ug/kg	2500	2470	99	70-130	
Bromodichloromethane	ug/kg	2500	2460	98	70-130	

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## QUALITY CONTROL DATA

Project: 1690023383\_CONV BETA BECHER

Pace Project No.: 40276958

LABORATORY CONTROL SAMPLE: 2704148

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/kg	2500	2200	88	67-130	
Bromomethane	ug/kg	2500	2530	101	25-150	
Carbon tetrachloride	ug/kg	2500	2550	102	72-136	
Chlorobenzene	ug/kg	2500	2590	104	70-130	
Chloroethane	ug/kg	2500	2550	102	20-178	
Chloroform	ug/kg	2500	2570	103	80-120	
Chloromethane	ug/kg	2500	2030	81	45-123	
cis-1,2-Dichloroethene	ug/kg	2500	2330	93	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2320	93	70-130	
Dibromochloromethane	ug/kg	2500	2400	96	70-130	
Dichlorodifluoromethane	ug/kg	2500	1180	47	14-106	
Ethylbenzene	ug/kg	2500	2520	101	80-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2290	92	70-130	
m&p-Xylene	ug/kg	5000	4960	99	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2180	87	70-130	
Methylene Chloride	ug/kg	2500	2520	101	70-130	
o-Xylene	ug/kg	2500	2490	99	70-130	
Styrene	ug/kg	2500	2590	103	70-130	
Tetrachloroethene	ug/kg	2500	2640	106	70-130	
Toluene	ug/kg	2500	2480	99	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2340	94	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2290	92	70-130	
Trichloroethene	ug/kg	2500	2560	102	70-130	
Trichlorofluoromethane	ug/kg	2500	2570	103	49-141	
Vinyl chloride	ug/kg	2500	1900	76	59-120	
Xylene (Total)	ug/kg	7500	7440	99	70-130	
1,2-Dichlorobenzene-d4 (S)	%			103	67-144	
4-Bromofluorobenzene (S)	%			99	72-142	
Toluene-d8 (S)	%			103	70-139	

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

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA**

Project: 1690023383\_CONV BETA BECHER

Pace Project No.: 40276958

QC Batch: 472053

Analysis Method: EPA 8082A

QC Batch Method: EPA 3541

Analysis Description: 8082 GCS PCB

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40276958001

METHOD BLANK: 2703452

Matrix: Solid

Associated Lab Samples: 40276958001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<15.2	50.0	04/18/24 18:53	
PCB-1221 (Aroclor 1221)	ug/kg	<15.2	50.0	04/18/24 18:53	
PCB-1232 (Aroclor 1232)	ug/kg	<15.2	50.0	04/18/24 18:53	
PCB-1242 (Aroclor 1242)	ug/kg	<15.2	50.0	04/18/24 18:53	
PCB-1248 (Aroclor 1248)	ug/kg	<15.2	50.0	04/18/24 18:53	
PCB-1254 (Aroclor 1254)	ug/kg	<15.2	50.0	04/18/24 18:53	
PCB-1260 (Aroclor 1260)	ug/kg	<15.2	50.0	04/18/24 18:53	
Decachlorobiphenyl (S)	%	92	34-120	04/18/24 18:53	
Tetrachloro-m-xylene (S)	%	89	44-120	04/18/24 18:53	

LABORATORY CONTROL SAMPLE: 2703453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<15.2			
PCB-1221 (Aroclor 1221)	ug/kg		<15.2			
PCB-1232 (Aroclor 1232)	ug/kg		<15.2			
PCB-1242 (Aroclor 1242)	ug/kg		<15.2			
PCB-1248 (Aroclor 1248)	ug/kg		<15.2			
PCB-1254 (Aroclor 1254)	ug/kg		<15.2			
PCB-1260 (Aroclor 1260)	ug/kg	500	411	82	69-120	
Decachlorobiphenyl (S)	%			81	34-120	
Tetrachloro-m-xylene (S)	%			78	44-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2703454 2703455

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40276904004	Spike Conc.	Spike Conc.	Result						
PCB-1016 (Aroclor 1016)	ug/kg	<20.1			<20.1	<20.1					20
PCB-1221 (Aroclor 1221)	ug/kg	<20.1			<20.1	<20.1					20
PCB-1232 (Aroclor 1232)	ug/kg	<20.1			<20.1	<20.1					20
PCB-1242 (Aroclor 1242)	ug/kg	<20.1			<20.1	<20.1					20
PCB-1248 (Aroclor 1248)	ug/kg	<20.1			<20.1	<20.1					20
PCB-1254 (Aroclor 1254)	ug/kg	<20.1			<20.1	<20.1					20
PCB-1260 (Aroclor 1260)	ug/kg	<20.1	661	660	616	549	93	83	51-120	12	20
Decachlorobiphenyl (S)	%						90	83	34-120		
Tetrachloro-m-xylene (S)	%						93	83	44-120		

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**REPORT OF LABORATORY ANALYSIS**

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## QUALITY CONTROL DATA

Project: 1690023383\_CONV BETA BECHER

Pace Project No.: 40276958

QC Batch: 472374

Analysis Method: EPA 8270E by SIM

QC Batch Method: EPA 3546

Analysis Description: 8270E/3546 MSSV PAH by SIM

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40276958001

METHOD BLANK: 2705494

Matrix: Solid

Associated Lab Samples: 40276958001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<2.4	16.7	04/23/24 08:47	
2-Methylnaphthalene	ug/kg	<2.4	16.7	04/23/24 08:47	
Acenaphthene	ug/kg	<2.2	16.7	04/23/24 08:47	
Acenaphthylene	ug/kg	<2.1	16.7	04/23/24 08:47	
Anthracene	ug/kg	<2.1	16.7	04/23/24 08:47	
Benzo(a)anthracene	ug/kg	<2.2	16.7	04/23/24 08:47	
Benzo(a)pyrene	ug/kg	<1.9	16.7	04/23/24 08:47	
Benzo(b)fluoranthene	ug/kg	<2.3	16.7	04/23/24 08:47	
Benzo(g,h,i)perylene	ug/kg	<2.9	16.7	04/23/24 08:47	
Benzo(k)fluoranthene	ug/kg	<2.1	16.7	04/23/24 08:47	
Chrysene	ug/kg	<3.2	16.7	04/23/24 08:47	
Dibenz(a,h)anthracene	ug/kg	<2.3	16.7	04/23/24 08:47	
Fluoranthene	ug/kg	<2.0	16.7	04/23/24 08:47	
Fluorene	ug/kg	<2.0	16.7	04/23/24 08:47	
Indeno(1,2,3-cd)pyrene	ug/kg	<3.5	16.7	04/23/24 08:47	
Naphthalene	ug/kg	<1.6	16.7	04/23/24 08:47	
Phenanthrene	ug/kg	<1.9	16.7	04/23/24 08:47	
Pyrene	ug/kg	<2.5	16.7	04/23/24 08:47	
2-Fluorobiphenyl (S)	%	70	39-120	04/23/24 08:47	
Terphenyl-d14 (S)	%	93	36-120	04/23/24 08:47	

LABORATORY CONTROL SAMPLE: 2705495

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	258	78	62-120	
2-Methylnaphthalene	ug/kg	333	257	77	61-120	
Acenaphthene	ug/kg	333	280	84	66-120	
Acenaphthylene	ug/kg	333	273	82	63-120	
Anthracene	ug/kg	333	298	90	72-120	
Benzo(a)anthracene	ug/kg	333	266	80	64-120	
Benzo(a)pyrene	ug/kg	333	292	88	76-120	
Benzo(b)fluoranthene	ug/kg	333	279	84	62-120	
Benzo(g,h,i)perylene	ug/kg	333	318	95	73-120	
Benzo(k)fluoranthene	ug/kg	333	291	87	69-120	
Chrysene	ug/kg	333	285	86	70-120	
Dibenz(a,h)anthracene	ug/kg	333	295	89	72-120	
Fluoranthene	ug/kg	333	303	91	71-120	
Fluorene	ug/kg	333	286	86	68-120	
Indeno(1,2,3-cd)pyrene	ug/kg	333	306	92	72-120	

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**QUALITY CONTROL DATA**

Project: 1690023383\_CONV BETA BECHER

Pace Project No.: 40276958

LABORATORY CONTROL SAMPLE: 2705495

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	333	254	76	60-120	
Phenanthrene	ug/kg	333	291	87	66-120	
Pyrene	ug/kg	333	279	84	65-120	
2-Fluorobiphenyl (S)	%			82	39-120	
Terphenyl-d14 (S)	%			95	36-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2705496 2705497

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40276771007 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1-Methylnaphthalene	ug/kg	<3.0	405	405	255	228	63	56	50-120	11	34	
2-Methylnaphthalene	ug/kg	<3.0	405	405	250	225	62	55	48-120	11	29	
Acenaphthene	ug/kg	<2.6	405	405	272	269	67	66	51-120	1	26	
Acenaphthylene	ug/kg	<2.6	405	405	270	264	67	65	49-120	2	22	
Anthracene	ug/kg	<2.5	405	405	282	311	70	77	52-120	10	25	
Benzo(a)anthracene	ug/kg	<2.6	405	405	249	283	61	70	47-120	13	37	
Benzo(a)pyrene	ug/kg	<2.3	405	405	278	313	68	77	53-120	12	33	
Benzo(b)fluoranthene	ug/kg	<2.8	405	405	271	301	67	74	43-120	10	43	
Benzo(g,h,i)perylene	ug/kg	<3.6	405	405	291	324	72	80	38-120	11	36	
Benzo(k)fluoranthene	ug/kg	<2.6	405	405	277	320	68	79	49-120	14	30	
Chrysene	ug/kg	<3.8	405	405	262	298	65	73	45-120	13	28	
Dibenz(a,h)anthracene	ug/kg	<2.8	405	405	274	304	68	75	41-120	10	33	
Fluoranthene	ug/kg	<2.4	405	405	283	322	70	79	50-120	13	43	
Fluorene	ug/kg	<2.4	405	405	277	290	68	72	47-120	5	27	
Indeno(1,2,3-cd)pyrene	ug/kg	<4.2	405	405	270	318	67	78	35-120	16	33	
Naphthalene	ug/kg	<2.0	405	405	248	221	61	54	42-120	12	26	
Phenanthrene	ug/kg	<2.3	405	405	274	299	67	74	45-120	9	24	
Pyrene	ug/kg	<3.0	405	405	251	286	62	70	42-120	13	41	
2-Fluorobiphenyl (S)	%						62	59	39-120			
Terphenyl-d14 (S)	%						67	76	36-120			

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**REPORT OF LABORATORY ANALYSIS**

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### QUALITY CONTROL DATA

Project: 1690023383\_CONV BETA BECHER

Pace Project No.: 40276958

QC Batch: 472063

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40276958001

SAMPLE DUPLICATE: 2703512

Parameter	Units	40276878003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.2	17.2	0	10	

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## QUALIFIERS

Project: 1690023383\_CONV BETA BECHER

Pace Project No.: 40276958

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### DEFINITIONS

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

ND - Not Detected at or above LOD.

J - The reported result is an estimated value.

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.

DL - Adjusted Method Detection Limit.

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 - Analyte was not detected and is reported as less than the LOD or as defined by the customer.

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

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

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

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

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

P6 Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

R1 RPD value was outside control limits.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690023383\_CONV BETA BECHER

Pace Project No.: 40276958

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40276958001	UST-1 (4)	EPA 3541	472053	EPA 8082A	472057
40276958001	UST-1 (4)	EPA 3050B	472121	EPA 6010D	472203
40276958001	UST-1 (4)	EPA 7471	472049	EPA 7471	472154
40276958001	UST-1 (4)	EPA 3546	472374	EPA 8270E by SIM	472432
40276958001	UST-1 (4)	EPA 5035/5030B	472171	EPA 8260	472175
40276958002	TB-01	EPA 5035/5030B	472171	EPA 8260	472175
40276958001	UST-1 (4)	ASTM D2974-87	472063		

### REPORT OF LABORATORY ANALYSIS

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mazurkiewicz@ramboll.com

# CHAIN-OF-CUSTODY / Analytical Request Document

40276958

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubs/pas-standard-terms.pdf

**Section A**

**Required Client Information:**

Company	Ramboll
Address	234 W Florida St
5th Floor, Milwaukee, WI 53204	
Email	amran.plank@ramboll.com
Phone	NONE
Requested Due Date	4/22/2024

**Section B**

**Required Project Information:**

Report To	Blank, Ewan RICHARD ^
Copy To	
Purchase Order #	
Project Name	Manitowoc MGP - Betsy Basten
Project #	1690023383 - COA V

**Section C**

**Invoice Information:**

Attention	RICHARD MAZURKIEWICZ
Company Name	RAMBOLL
Address	
Pace Quote	
Pace Project Manager	brian.basten@pacelabs.com
Pace Profile #:	3570 #3

Page: 1 Of 1  
Regulatory Agency: WDNB  
State / Location: WI

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , . -) Sample IDs must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Requested Analyses Filtered (Y/N)																	
				DATE	TIME	DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Total Dissolved Solids (TDS)	TOC by 5310	Metals	PVOC	PAH SIM	Sulfate & Alkalinity	Nitrate + Nitrite	Trip Blank	Residual Chlorine (Y/N)										
1	UST-1(4)		SG	4/17	13:41			3	2												X															001	
2	TB-01			4/17	14:00																		X	X	X									002			
3	KPP	KPP	KPP																																		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS							
3-day turn level 2 data report	Ramboll C.S. Loguotes	4/17	15:26	Suzanne Wylipay	04/18/24	0840	1.0	Y	Y	Y				

<b>SAMPLER NAME AND SIGNATURE</b>	TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: KATHEDINE PHILLIPS				
SIGNATURE of SAMPLER: KPP	DATE Signed: 4/17/2024			

Effective Date: 8/16/2022

Client Name: Rambo II

Sample Preservation Receipt Form

Project # 40276958

All containers needing preservation have been checked and noted below:  
Lab Lot# of pH paper.

Yes  No  N/A

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

Initial when completed:

Date/Time.

Pace Lab #	Glass						Plastic						Vials					Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)																					
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC								GN 1	GN 2																			
001																					<u>2</u>																															2.5 / 5
002																																																				2.5 / 5
003																																													2.5 / 5							
004																																													2.5 / 5							
005																																													2.5 / 5							
006																																													2.5 / 5							
007																																													2.5 / 5							
008																																													2.5 / 5							
009																																													2.5 / 5							
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015																																													2.5 / 5							
016																																													2.5 / 5							
017																																													2.5 / 5							
018																																													2.5 / 5							
019																																													2.5 / 5							
020																																													2.5 / 5							

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	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

Sample Condition Upon Receipt Form (SCUR)

Client Name: Ramboll

Project #: \_\_\_\_\_

WO#: 40276958



Courier:  CS Logistics  Fed Ex  Speedee  UPS  Walco  
 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 - 137 Type of Ice: Wet Blue Dry None  Meltwater Only

Cooler Temperature Uncorr: 1.0 / Corr: 1.0

Temp Blank Present:  yes  no Biological Tissue is Frozen:  yes  no

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:  
 Date: 04/18/24 / Initials: SW  
 Labeled By Initials: E

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. <u>+ CC</u>
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- DI VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type: Pace Green Bay, Pace IR, <u>Non-Pace</u>		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>B317101VB</u>		

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

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

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

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



April 25, 2024

Richard Mazurkiewicz  
Ramboll US Consulting, Inc.  
234 W. Florida Street  
Fifth Floor  
Milwaukee, WI 53204

RE: Project: BETA TANK BASIN  
Pace Project No.: 40277001

Dear Richard Mazurkiewicz:

Enclosed are the analytical results for sample(s) received by the laboratory on April 18, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,

Steven Mleczko  
steve.mleczko@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: Duncan Glasford, Ramboll US Consulting, Inc.  
Kyle Heimstead, Ramboll US Consulting, Inc.  
Maggie Sheckler, Ramboll



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: BETA TANK BASIN

Pace Project No.: 40277001

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### **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

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

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## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: BETA TANK BASIN  
Pace Project No.: 40277001

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40277001001	SW01	Solid	04/17/24 13:11	04/18/24 08:40
40277001002	SW02	Solid	04/17/24 13:20	04/18/24 08:40
40277001003	SW03	Solid	04/17/24 13:18	04/18/24 08:40
40277001004	TB-02	Solid	04/17/24 00:00	04/18/24 08:40

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### SAMPLE ANALYTE COUNT

Project: BETA TANK BASIN  
Pace Project No.: 40277001

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Lab ID	Sample ID	Method	Analysts	Analytes Reported
40277001001	SW01	EPA 8260	ALD	65
		ASTM D2974-87	MYH	1
40277001002	SW02	EPA 8260	ALD	65
		ASTM D2974-87	MYH	1
40277001003	SW03	EPA 8260	ALD	65
		ASTM D2974-87	MYH	1
40277001004	TB-02	EPA 8260	ALD	65

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PASI-G = Pace Analytical Services - Green Bay

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: BETA TANK BASIN

Pace Project No.: 40277001

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40277001001</b>	<b>SW01</b>					
EPA 8260	Toluene	23.5J	ug/kg	81.7	04/19/24 18:00	
EPA 8260	m&p-Xylene	36.5J	ug/kg	163	04/19/24 18:00	
ASTM D2974-87	Percent Moisture	24.1	%	0.10	04/22/24 14:41	
<b>40277001002</b>	<b>SW02</b>					
EPA 8260	1,2,4-Trimethylbenzene	29.4J	ug/kg	74.3	04/19/24 18:19	
EPA 8260	Ethylbenzene	30.5J	ug/kg	74.3	04/19/24 18:19	
EPA 8260	Naphthalene	86.3J	ug/kg	372	04/19/24 18:19	
EPA 8260	Toluene	71.1J	ug/kg	74.3	04/19/24 18:19	
EPA 8260	Xylene (Total)	281	ug/kg	223	04/19/24 18:19	
EPA 8260	m&p-Xylene	179	ug/kg	149	04/19/24 18:19	
EPA 8260	o-Xylene	102	ug/kg	74.3	04/19/24 18:19	
ASTM D2974-87	Percent Moisture	14.6	%	0.10	04/22/24 14:41	
<b>40277001003</b>	<b>SW03</b>					
EPA 8260	Ethylbenzene	30.9J	ug/kg	76.2	04/19/24 18:39	
EPA 8260	Toluene	26.6J	ug/kg	76.2	04/19/24 18:39	
EPA 8260	Xylene (Total)	182J	ug/kg	229	04/19/24 18:39	
EPA 8260	m&p-Xylene	111J	ug/kg	152	04/19/24 18:39	
EPA 8260	o-Xylene	71.1J	ug/kg	76.2	04/19/24 18:39	
ASTM D2974-87	Percent Moisture	20.7	%	0.10	04/22/24 14:41	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: BETA TANK BASIN

Pace Project No.: 40277001

Sample: SW01 Lab ID: 40277001001 Collected: 04/17/24 13:11 Received: 04/18/24 08:40 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
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<19.6	ug/kg	81.7	19.6	1	04/19/24 10:00	04/19/24 18:00	630-20-6	
1,1,1-Trichloroethane	<20.9	ug/kg	81.7	20.9	1	04/19/24 10:00	04/19/24 18:00	71-55-6	
1,1,2,2-Tetrachloroethane	<29.6	ug/kg	81.7	29.6	1	04/19/24 10:00	04/19/24 18:00	79-34-5	
1,1,2-Trichloroethane	<29.7	ug/kg	81.7	29.7	1	04/19/24 10:00	04/19/24 18:00	79-00-5	
1,1-Dichloroethane	<20.9	ug/kg	81.7	20.9	1	04/19/24 10:00	04/19/24 18:00	75-34-3	
1,1-Dichloroethene	<27.1	ug/kg	81.7	27.1	1	04/19/24 10:00	04/19/24 18:00	75-35-4	
1,1-Dichloropropene	<26.5	ug/kg	81.7	26.5	1	04/19/24 10:00	04/19/24 18:00	563-58-6	
1,2,3-Trichlorobenzene	<91.0	ug/kg	408	91.0	1	04/19/24 10:00	04/19/24 18:00	87-61-6	
1,2,3-Trichloropropane	<39.7	ug/kg	81.7	39.7	1	04/19/24 10:00	04/19/24 18:00	96-18-4	
1,2,4-Trichlorobenzene	<67.3	ug/kg	408	67.3	1	04/19/24 10:00	04/19/24 18:00	120-82-1	
1,2,4-Trimethylbenzene	<24.3	ug/kg	81.7	24.3	1	04/19/24 10:00	04/19/24 18:00	95-63-6	
1,2-Dibromo-3-chloropropane	<63.4	ug/kg	408	63.4	1	04/19/24 10:00	04/19/24 18:00	96-12-8	
1,2-Dibromoethane (EDB)	<22.4	ug/kg	81.7	22.4	1	04/19/24 10:00	04/19/24 18:00	106-93-4	
1,2-Dichlorobenzene	<25.3	ug/kg	81.7	25.3	1	04/19/24 10:00	04/19/24 18:00	95-50-1	
1,2-Dichloroethane	<18.8	ug/kg	81.7	18.8	1	04/19/24 10:00	04/19/24 18:00	107-06-2	
1,2-Dichloropropane	<19.4	ug/kg	81.7	19.4	1	04/19/24 10:00	04/19/24 18:00	78-87-5	
1,3,5-Trimethylbenzene	<26.3	ug/kg	81.7	26.3	1	04/19/24 10:00	04/19/24 18:00	108-67-8	
1,3-Dichlorobenzene	<22.4	ug/kg	81.7	22.4	1	04/19/24 10:00	04/19/24 18:00	541-73-1	
1,3-Dichloropropane	<17.8	ug/kg	81.7	17.8	1	04/19/24 10:00	04/19/24 18:00	142-28-9	
1,4-Dichlorobenzene	<22.4	ug/kg	81.7	22.4	1	04/19/24 10:00	04/19/24 18:00	106-46-7	
2,2-Dichloropropane	<22.1	ug/kg	81.7	22.1	1	04/19/24 10:00	04/19/24 18:00	594-20-7	
2-Chlorotoluene	<26.5	ug/kg	81.7	26.5	1	04/19/24 10:00	04/19/24 18:00	95-49-8	
4-Chlorotoluene	<31.0	ug/kg	81.7	31.0	1	04/19/24 10:00	04/19/24 18:00	106-43-4	
Benzene	<19.4	ug/kg	32.7	19.4	1	04/19/24 10:00	04/19/24 18:00	71-43-2	
Bromobenzene	<31.9	ug/kg	81.7	31.9	1	04/19/24 10:00	04/19/24 18:00	108-86-1	
Bromochloromethane	<22.4	ug/kg	81.7	22.4	1	04/19/24 10:00	04/19/24 18:00	74-97-5	
Bromodichloromethane	<19.4	ug/kg	81.7	19.4	1	04/19/24 10:00	04/19/24 18:00	75-27-4	
Bromoform	<359	ug/kg	408	359	1	04/19/24 10:00	04/19/24 18:00	75-25-2	
Bromomethane	<115	ug/kg	408	115	1	04/19/24 10:00	04/19/24 18:00	74-83-9	
Carbon tetrachloride	<18.0	ug/kg	81.7	18.0	1	04/19/24 10:00	04/19/24 18:00	56-23-5	
Chlorobenzene	<9.8	ug/kg	81.7	9.8	1	04/19/24 10:00	04/19/24 18:00	108-90-7	
Chloroethane	<34.5	ug/kg	408	34.5	1	04/19/24 10:00	04/19/24 18:00	75-00-3	
Chloroform	<58.5	ug/kg	408	58.5	1	04/19/24 10:00	04/19/24 18:00	67-66-3	
Chloromethane	<31.0	ug/kg	81.7	31.0	1	04/19/24 10:00	04/19/24 18:00	74-87-3	
Dibromochloromethane	<279	ug/kg	408	279	1	04/19/24 10:00	04/19/24 18:00	124-48-1	
Dibromomethane	<24.2	ug/kg	81.7	24.2	1	04/19/24 10:00	04/19/24 18:00	74-95-3	
Dichlorodifluoromethane	<35.1	ug/kg	81.7	35.1	1	04/19/24 10:00	04/19/24 18:00	75-71-8	
Diisopropyl ether	<20.3	ug/kg	81.7	20.3	1	04/19/24 10:00	04/19/24 18:00	108-20-3	
Ethylbenzene	<19.4	ug/kg	81.7	19.4	1	04/19/24 10:00	04/19/24 18:00	100-41-4	
Hexachloro-1,3-butadiene	<162	ug/kg	408	162	1	04/19/24 10:00	04/19/24 18:00	87-68-3	
Isopropylbenzene (Cumene)	<22.1	ug/kg	81.7	22.1	1	04/19/24 10:00	04/19/24 18:00	98-82-8	
Methyl-tert-butyl ether	<24.0	ug/kg	81.7	24.0	1	04/19/24 10:00	04/19/24 18:00	1634-04-4	
Methylene Chloride	<22.7	ug/kg	81.7	22.7	1	04/19/24 10:00	04/19/24 18:00	75-09-2	
Naphthalene	<34.4	ug/kg	408	34.4	1	04/19/24 10:00	04/19/24 18:00	91-20-3	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: BETA TANK BASIN

Pace Project No.: 40277001

Sample: SW01 Lab ID: 40277001001 Collected: 04/17/24 13:11 Received: 04/18/24 08:40 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
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<20.9	ug/kg	81.7	20.9	1	04/19/24 10:00	04/19/24 18:00	100-42-5	
Tetrachloroethene	<31.7	ug/kg	81.7	31.7	1	04/19/24 10:00	04/19/24 18:00	127-18-4	
Toluene	23.5J	ug/kg	81.7	20.6	1	04/19/24 10:00	04/19/24 18:00	108-88-3	
Trichloroethene	<30.6	ug/kg	81.7	30.6	1	04/19/24 10:00	04/19/24 18:00	79-01-6	
Trichlorofluoromethane	<23.7	ug/kg	81.7	23.7	1	04/19/24 10:00	04/19/24 18:00	75-69-4	
Vinyl chloride	<16.5	ug/kg	81.7	16.5	1	04/19/24 10:00	04/19/24 18:00	75-01-4	
Xylene (Total)	<59.0	ug/kg	245	59.0	1	04/19/24 10:00	04/19/24 18:00	1330-20-7	
cis-1,2-Dichloroethene	<17.5	ug/kg	81.7	17.5	1	04/19/24 10:00	04/19/24 18:00	156-59-2	
cis-1,3-Dichloropropene	<53.9	ug/kg	408	53.9	1	04/19/24 10:00	04/19/24 18:00	10061-01-5	
m&p-Xylene	36.5J	ug/kg	163	34.5	1	04/19/24 10:00	04/19/24 18:00	179601-23-1	
n-Butylbenzene	<37.4	ug/kg	81.7	37.4	1	04/19/24 10:00	04/19/24 18:00	104-51-8	
n-Propylbenzene	<19.6	ug/kg	81.7	19.6	1	04/19/24 10:00	04/19/24 18:00	103-65-1	
o-Xylene	<24.5	ug/kg	81.7	24.5	1	04/19/24 10:00	04/19/24 18:00	95-47-6	
p-Isopropyltoluene	<27.8	ug/kg	81.7	27.8	1	04/19/24 10:00	04/19/24 18:00	99-87-6	
sec-Butylbenzene	<28.0	ug/kg	81.7	28.0	1	04/19/24 10:00	04/19/24 18:00	135-98-8	
tert-Butylbenzene	<25.7	ug/kg	81.7	25.7	1	04/19/24 10:00	04/19/24 18:00	98-06-6	
trans-1,2-Dichloroethene	<17.9	ug/kg	81.7	17.9	1	04/19/24 10:00	04/19/24 18:00	156-60-5	
trans-1,3-Dichloropropene	<234	ug/kg	408	234	1	04/19/24 10:00	04/19/24 18:00	10061-02-6	
<b>Surrogates</b>									
Toluene-d8 (S)	140	%	70-139		1	04/19/24 10:00	04/19/24 18:00	2037-26-5	S3
4-Bromofluorobenzene (S)	130	%	72-142		1	04/19/24 10:00	04/19/24 18:00	460-00-4	
1,2-Dichlorobenzene-d4 (S)	130	%	67-144		1	04/19/24 10:00	04/19/24 18:00	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	24.1	%	0.10	0.10	1		04/22/24 14:41		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: BETA TANK BASIN

Pace Project No.: 40277001

Sample: SW02 Lab ID: 40277001002 Collected: 04/17/24 13:20 Received: 04/18/24 08:40 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
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<17.8	ug/kg	74.3	17.8	1	04/19/24 10:00	04/19/24 18:19	630-20-6	
1,1,1-Trichloroethane	<19.0	ug/kg	74.3	19.0	1	04/19/24 10:00	04/19/24 18:19	71-55-6	
1,1,2,2-Tetrachloroethane	<26.9	ug/kg	74.3	26.9	1	04/19/24 10:00	04/19/24 18:19	79-34-5	
1,1,2-Trichloroethane	<27.1	ug/kg	74.3	27.1	1	04/19/24 10:00	04/19/24 18:19	79-00-5	
1,1-Dichloroethane	<19.0	ug/kg	74.3	19.0	1	04/19/24 10:00	04/19/24 18:19	75-34-3	
1,1-Dichloroethene	<24.7	ug/kg	74.3	24.7	1	04/19/24 10:00	04/19/24 18:19	75-35-4	
1,1-Dichloropropene	<24.1	ug/kg	74.3	24.1	1	04/19/24 10:00	04/19/24 18:19	563-58-6	
1,2,3-Trichlorobenzene	<82.8	ug/kg	372	82.8	1	04/19/24 10:00	04/19/24 18:19	87-61-6	
1,2,3-Trichloropropane	<36.1	ug/kg	74.3	36.1	1	04/19/24 10:00	04/19/24 18:19	96-18-4	
1,2,4-Trichlorobenzene	<61.3	ug/kg	372	61.3	1	04/19/24 10:00	04/19/24 18:19	120-82-1	
1,2,4-Trimethylbenzene	29.4J	ug/kg	74.3	22.2	1	04/19/24 10:00	04/19/24 18:19	95-63-6	
1,2-Dibromo-3-chloropropane	<57.7	ug/kg	372	57.7	1	04/19/24 10:00	04/19/24 18:19	96-12-8	
1,2-Dibromoethane (EDB)	<20.4	ug/kg	74.3	20.4	1	04/19/24 10:00	04/19/24 18:19	106-93-4	
1,2-Dichlorobenzene	<23.0	ug/kg	74.3	23.0	1	04/19/24 10:00	04/19/24 18:19	95-50-1	
1,2-Dichloroethane	<17.1	ug/kg	74.3	17.1	1	04/19/24 10:00	04/19/24 18:19	107-06-2	
1,2-Dichloropropane	<17.7	ug/kg	74.3	17.7	1	04/19/24 10:00	04/19/24 18:19	78-87-5	
1,3,5-Trimethylbenzene	<23.9	ug/kg	74.3	23.9	1	04/19/24 10:00	04/19/24 18:19	108-67-8	
1,3-Dichlorobenzene	<20.4	ug/kg	74.3	20.4	1	04/19/24 10:00	04/19/24 18:19	541-73-1	
1,3-Dichloropropane	<16.2	ug/kg	74.3	16.2	1	04/19/24 10:00	04/19/24 18:19	142-28-9	
1,4-Dichlorobenzene	<20.4	ug/kg	74.3	20.4	1	04/19/24 10:00	04/19/24 18:19	106-46-7	
2,2-Dichloropropane	<20.1	ug/kg	74.3	20.1	1	04/19/24 10:00	04/19/24 18:19	594-20-7	
2-Chlorotoluene	<24.1	ug/kg	74.3	24.1	1	04/19/24 10:00	04/19/24 18:19	95-49-8	
4-Chlorotoluene	<28.2	ug/kg	74.3	28.2	1	04/19/24 10:00	04/19/24 18:19	106-43-4	
Benzene	<17.7	ug/kg	29.7	17.7	1	04/19/24 10:00	04/19/24 18:19	71-43-2	
Bromobenzene	<29.0	ug/kg	74.3	29.0	1	04/19/24 10:00	04/19/24 18:19	108-86-1	
Bromochloromethane	<20.4	ug/kg	74.3	20.4	1	04/19/24 10:00	04/19/24 18:19	74-97-5	
Bromodichloromethane	<17.7	ug/kg	74.3	17.7	1	04/19/24 10:00	04/19/24 18:19	75-27-4	
Bromoform	<327	ug/kg	372	327	1	04/19/24 10:00	04/19/24 18:19	75-25-2	
Bromomethane	<104	ug/kg	372	104	1	04/19/24 10:00	04/19/24 18:19	74-83-9	
Carbon tetrachloride	<16.4	ug/kg	74.3	16.4	1	04/19/24 10:00	04/19/24 18:19	56-23-5	
Chlorobenzene	<8.9	ug/kg	74.3	8.9	1	04/19/24 10:00	04/19/24 18:19	108-90-7	
Chloroethane	<31.4	ug/kg	372	31.4	1	04/19/24 10:00	04/19/24 18:19	75-00-3	
Chloroform	<53.2	ug/kg	372	53.2	1	04/19/24 10:00	04/19/24 18:19	67-66-3	
Chloromethane	<28.2	ug/kg	74.3	28.2	1	04/19/24 10:00	04/19/24 18:19	74-87-3	
Dibromochloromethane	<254	ug/kg	372	254	1	04/19/24 10:00	04/19/24 18:19	124-48-1	
Dibromomethane	<22.0	ug/kg	74.3	22.0	1	04/19/24 10:00	04/19/24 18:19	74-95-3	
Dichlorodifluoromethane	<32.0	ug/kg	74.3	32.0	1	04/19/24 10:00	04/19/24 18:19	75-71-8	
Diisopropyl ether	<18.4	ug/kg	74.3	18.4	1	04/19/24 10:00	04/19/24 18:19	108-20-3	
Ethylbenzene	30.5J	ug/kg	74.3	17.7	1	04/19/24 10:00	04/19/24 18:19	100-41-4	
Hexachloro-1,3-butadiene	<148	ug/kg	372	148	1	04/19/24 10:00	04/19/24 18:19	87-68-3	
Isopropylbenzene (Cumene)	<20.1	ug/kg	74.3	20.1	1	04/19/24 10:00	04/19/24 18:19	98-82-8	
Methyl-tert-butyl ether	<21.9	ug/kg	74.3	21.9	1	04/19/24 10:00	04/19/24 18:19	1634-04-4	
Methylene Chloride	<20.7	ug/kg	74.3	20.7	1	04/19/24 10:00	04/19/24 18:19	75-09-2	
Naphthalene	86.3J	ug/kg	372	31.3	1	04/19/24 10:00	04/19/24 18:19	91-20-3	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: BETA TANK BASIN

Pace Project No.: 40277001

Sample: SW02 Lab ID: 40277001002 Collected: 04/17/24 13:20 Received: 04/18/24 08:40 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
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<19.0	ug/kg	74.3	19.0	1	04/19/24 10:00	04/19/24 18:19	100-42-5	
Tetrachloroethene	<28.8	ug/kg	74.3	28.8	1	04/19/24 10:00	04/19/24 18:19	127-18-4	
Toluene	71.1J	ug/kg	74.3	18.7	1	04/19/24 10:00	04/19/24 18:19	108-88-3	
Trichloroethene	<27.8	ug/kg	74.3	27.8	1	04/19/24 10:00	04/19/24 18:19	79-01-6	
Trichlorofluoromethane	<21.6	ug/kg	74.3	21.6	1	04/19/24 10:00	04/19/24 18:19	75-69-4	
Vinyl chloride	<15.0	ug/kg	74.3	15.0	1	04/19/24 10:00	04/19/24 18:19	75-01-4	
Xylene (Total)	281	ug/kg	223	53.7	1	04/19/24 10:00	04/19/24 18:19	1330-20-7	
cis-1,2-Dichloroethene	<15.9	ug/kg	74.3	15.9	1	04/19/24 10:00	04/19/24 18:19	156-59-2	
cis-1,3-Dichloropropene	<49.1	ug/kg	372	49.1	1	04/19/24 10:00	04/19/24 18:19	10061-01-5	
m&p-Xylene	179	ug/kg	149	31.4	1	04/19/24 10:00	04/19/24 18:19	179601-23-1	
n-Butylbenzene	<34.0	ug/kg	74.3	34.0	1	04/19/24 10:00	04/19/24 18:19	104-51-8	
n-Propylbenzene	<17.8	ug/kg	74.3	17.8	1	04/19/24 10:00	04/19/24 18:19	103-65-1	
o-Xylene	102	ug/kg	74.3	22.3	1	04/19/24 10:00	04/19/24 18:19	95-47-6	
p-Isopropyltoluene	<25.3	ug/kg	74.3	25.3	1	04/19/24 10:00	04/19/24 18:19	99-87-6	
sec-Butylbenzene	<25.5	ug/kg	74.3	25.5	1	04/19/24 10:00	04/19/24 18:19	135-98-8	
tert-Butylbenzene	<23.3	ug/kg	74.3	23.3	1	04/19/24 10:00	04/19/24 18:19	98-06-6	
trans-1,2-Dichloroethene	<16.3	ug/kg	74.3	16.3	1	04/19/24 10:00	04/19/24 18:19	156-60-5	
trans-1,3-Dichloropropene	<213	ug/kg	372	213	1	04/19/24 10:00	04/19/24 18:19	10061-02-6	
<b>Surrogates</b>									
Toluene-d8 (S)	126	%	70-139		1	04/19/24 10:00	04/19/24 18:19	2037-26-5	
4-Bromofluorobenzene (S)	114	%	72-142		1	04/19/24 10:00	04/19/24 18:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	117	%	67-144		1	04/19/24 10:00	04/19/24 18:19	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	14.6	%	0.10	0.10	1		04/22/24 14:41		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: BETA TANK BASIN

Pace Project No.: 40277001

Sample: SW03 Lab ID: 40277001003 Collected: 04/17/24 13:18 Received: 04/18/24 08:40 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
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<18.3	ug/kg	76.2	18.3	1	04/19/24 10:00	04/19/24 18:39	630-20-6	
1,1,1-Trichloroethane	<19.5	ug/kg	76.2	19.5	1	04/19/24 10:00	04/19/24 18:39	71-55-6	
1,1,2,2-Tetrachloroethane	<27.6	ug/kg	76.2	27.6	1	04/19/24 10:00	04/19/24 18:39	79-34-5	
1,1,2-Trichloroethane	<27.7	ug/kg	76.2	27.7	1	04/19/24 10:00	04/19/24 18:39	79-00-5	
1,1-Dichloroethane	<19.5	ug/kg	76.2	19.5	1	04/19/24 10:00	04/19/24 18:39	75-34-3	
1,1-Dichloroethene	<25.3	ug/kg	76.2	25.3	1	04/19/24 10:00	04/19/24 18:39	75-35-4	
1,1-Dichloropropene	<24.7	ug/kg	76.2	24.7	1	04/19/24 10:00	04/19/24 18:39	563-58-6	
1,2,3-Trichlorobenzene	<84.9	ug/kg	381	84.9	1	04/19/24 10:00	04/19/24 18:39	87-61-6	
1,2,3-Trichloropropane	<37.0	ug/kg	76.2	37.0	1	04/19/24 10:00	04/19/24 18:39	96-18-4	
1,2,4-Trichlorobenzene	<62.8	ug/kg	381	62.8	1	04/19/24 10:00	04/19/24 18:39	120-82-1	
1,2,4-Trimethylbenzene	<22.7	ug/kg	76.2	22.7	1	04/19/24 10:00	04/19/24 18:39	95-63-6	
1,2-Dibromo-3-chloropropane	<59.1	ug/kg	381	59.1	1	04/19/24 10:00	04/19/24 18:39	96-12-8	
1,2-Dibromoethane (EDB)	<20.9	ug/kg	76.2	20.9	1	04/19/24 10:00	04/19/24 18:39	106-93-4	
1,2-Dichlorobenzene	<23.6	ug/kg	76.2	23.6	1	04/19/24 10:00	04/19/24 18:39	95-50-1	
1,2-Dichloroethane	<17.5	ug/kg	76.2	17.5	1	04/19/24 10:00	04/19/24 18:39	107-06-2	
1,2-Dichloropropane	<18.1	ug/kg	76.2	18.1	1	04/19/24 10:00	04/19/24 18:39	78-87-5	
1,3,5-Trimethylbenzene	<24.5	ug/kg	76.2	24.5	1	04/19/24 10:00	04/19/24 18:39	108-67-8	
1,3-Dichlorobenzene	<20.9	ug/kg	76.2	20.9	1	04/19/24 10:00	04/19/24 18:39	541-73-1	
1,3-Dichloropropane	<16.6	ug/kg	76.2	16.6	1	04/19/24 10:00	04/19/24 18:39	142-28-9	
1,4-Dichlorobenzene	<20.9	ug/kg	76.2	20.9	1	04/19/24 10:00	04/19/24 18:39	106-46-7	
2,2-Dichloropropane	<20.6	ug/kg	76.2	20.6	1	04/19/24 10:00	04/19/24 18:39	594-20-7	
2-Chlorotoluene	<24.7	ug/kg	76.2	24.7	1	04/19/24 10:00	04/19/24 18:39	95-49-8	
4-Chlorotoluene	<28.9	ug/kg	76.2	28.9	1	04/19/24 10:00	04/19/24 18:39	106-43-4	
Benzene	<18.1	ug/kg	30.5	18.1	1	04/19/24 10:00	04/19/24 18:39	71-43-2	
Bromobenzene	<29.7	ug/kg	76.2	29.7	1	04/19/24 10:00	04/19/24 18:39	108-86-1	
Bromochloromethane	<20.9	ug/kg	76.2	20.9	1	04/19/24 10:00	04/19/24 18:39	74-97-5	
Bromodichloromethane	<18.1	ug/kg	76.2	18.1	1	04/19/24 10:00	04/19/24 18:39	75-27-4	
Bromoform	<335	ug/kg	381	335	1	04/19/24 10:00	04/19/24 18:39	75-25-2	
Bromomethane	<107	ug/kg	381	107	1	04/19/24 10:00	04/19/24 18:39	74-83-9	
Carbon tetrachloride	<16.8	ug/kg	76.2	16.8	1	04/19/24 10:00	04/19/24 18:39	56-23-5	
Chlorobenzene	<9.1	ug/kg	76.2	9.1	1	04/19/24 10:00	04/19/24 18:39	108-90-7	
Chloroethane	<32.1	ug/kg	381	32.1	1	04/19/24 10:00	04/19/24 18:39	75-00-3	
Chloroform	<54.5	ug/kg	381	54.5	1	04/19/24 10:00	04/19/24 18:39	67-66-3	
Chloromethane	<28.9	ug/kg	76.2	28.9	1	04/19/24 10:00	04/19/24 18:39	74-87-3	
Dibromochloromethane	<260	ug/kg	381	260	1	04/19/24 10:00	04/19/24 18:39	124-48-1	
Dibromomethane	<22.5	ug/kg	76.2	22.5	1	04/19/24 10:00	04/19/24 18:39	74-95-3	
Dichlorodifluoromethane	<32.8	ug/kg	76.2	32.8	1	04/19/24 10:00	04/19/24 18:39	75-71-8	
Diisopropyl ether	<18.9	ug/kg	76.2	18.9	1	04/19/24 10:00	04/19/24 18:39	108-20-3	
Ethylbenzene	30.9J	ug/kg	76.2	18.1	1	04/19/24 10:00	04/19/24 18:39	100-41-4	
Hexachloro-1,3-butadiene	<151	ug/kg	381	151	1	04/19/24 10:00	04/19/24 18:39	87-68-3	
Isopropylbenzene (Cumene)	<20.6	ug/kg	76.2	20.6	1	04/19/24 10:00	04/19/24 18:39	98-82-8	
Methyl-tert-butyl ether	<22.4	ug/kg	76.2	22.4	1	04/19/24 10:00	04/19/24 18:39	1634-04-4	
Methylene Chloride	<21.2	ug/kg	76.2	21.2	1	04/19/24 10:00	04/19/24 18:39	75-09-2	
Naphthalene	<32.0	ug/kg	381	32.0	1	04/19/24 10:00	04/19/24 18:39	91-20-3	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: BETA TANK BASIN

Pace Project No.: 40277001

Sample: SW03 Lab ID: 40277001003 Collected: 04/17/24 13:18 Received: 04/18/24 08:40 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
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<19.5	ug/kg	76.2	19.5	1	04/19/24 10:00	04/19/24 18:39	100-42-5	
Tetrachloroethene	<29.6	ug/kg	76.2	29.6	1	04/19/24 10:00	04/19/24 18:39	127-18-4	
Toluene	26.6J	ug/kg	76.2	19.2	1	04/19/24 10:00	04/19/24 18:39	108-88-3	
Trichloroethene	<28.5	ug/kg	76.2	28.5	1	04/19/24 10:00	04/19/24 18:39	79-01-6	
Trichlorofluoromethane	<22.1	ug/kg	76.2	22.1	1	04/19/24 10:00	04/19/24 18:39	75-69-4	
Vinyl chloride	<15.4	ug/kg	76.2	15.4	1	04/19/24 10:00	04/19/24 18:39	75-01-4	
Xylene (Total)	182J	ug/kg	229	55.0	1	04/19/24 10:00	04/19/24 18:39	1330-20-7	
cis-1,2-Dichloroethene	<16.3	ug/kg	76.2	16.3	1	04/19/24 10:00	04/19/24 18:39	156-59-2	
cis-1,3-Dichloropropene	<50.3	ug/kg	381	50.3	1	04/19/24 10:00	04/19/24 18:39	10061-01-5	
m&p-Xylene	111J	ug/kg	152	32.1	1	04/19/24 10:00	04/19/24 18:39	179601-23-1	
n-Butylbenzene	<34.9	ug/kg	76.2	34.9	1	04/19/24 10:00	04/19/24 18:39	104-51-8	
n-Propylbenzene	<18.3	ug/kg	76.2	18.3	1	04/19/24 10:00	04/19/24 18:39	103-65-1	
o-Xylene	71.1J	ug/kg	76.2	22.9	1	04/19/24 10:00	04/19/24 18:39	95-47-6	
p-Isopropyltoluene	<25.9	ug/kg	76.2	25.9	1	04/19/24 10:00	04/19/24 18:39	99-87-6	
sec-Butylbenzene	<26.1	ug/kg	76.2	26.1	1	04/19/24 10:00	04/19/24 18:39	135-98-8	
tert-Butylbenzene	<23.9	ug/kg	76.2	23.9	1	04/19/24 10:00	04/19/24 18:39	98-06-6	
trans-1,2-Dichloroethene	<16.7	ug/kg	76.2	16.7	1	04/19/24 10:00	04/19/24 18:39	156-60-5	
trans-1,3-Dichloropropene	<218	ug/kg	381	218	1	04/19/24 10:00	04/19/24 18:39	10061-02-6	
<b>Surrogates</b>									
Toluene-d8 (S)	130	%	70-139		1	04/19/24 10:00	04/19/24 18:39	2037-26-5	
4-Bromofluorobenzene (S)	120	%	72-142		1	04/19/24 10:00	04/19/24 18:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	118	%	67-144		1	04/19/24 10:00	04/19/24 18:39	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	20.7	%	0.10	0.10	1		04/22/24 14:41		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: BETA TANK BASIN

Pace Project No.: 40277001

Sample: TB-02 Lab ID: 40277001004 Collected: 04/17/24 00:00 Received: 04/18/24 08:40 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<12.0	ug/kg	50.0	12.0	1	04/19/24 10:00	04/19/24 16:02	630-20-6	
1,1,1-Trichloroethane	<12.8	ug/kg	50.0	12.8	1	04/19/24 10:00	04/19/24 16:02	71-55-6	
1,1,2,2-Tetrachloroethane	<18.1	ug/kg	50.0	18.1	1	04/19/24 10:00	04/19/24 16:02	79-34-5	
1,1,2-Trichloroethane	<18.2	ug/kg	50.0	18.2	1	04/19/24 10:00	04/19/24 16:02	79-00-5	
1,1-Dichloroethane	<12.8	ug/kg	50.0	12.8	1	04/19/24 10:00	04/19/24 16:02	75-34-3	
1,1-Dichloroethene	<16.6	ug/kg	50.0	16.6	1	04/19/24 10:00	04/19/24 16:02	75-35-4	
1,1-Dichloropropene	<16.2	ug/kg	50.0	16.2	1	04/19/24 10:00	04/19/24 16:02	563-58-6	
1,2,3-Trichlorobenzene	<55.7	ug/kg	250	55.7	1	04/19/24 10:00	04/19/24 16:02	87-61-6	
1,2,3-Trichloropropane	<24.3	ug/kg	50.0	24.3	1	04/19/24 10:00	04/19/24 16:02	96-18-4	
1,2,4-Trichlorobenzene	<41.2	ug/kg	250	41.2	1	04/19/24 10:00	04/19/24 16:02	120-82-1	
1,2,4-Trimethylbenzene	<14.9	ug/kg	50.0	14.9	1	04/19/24 10:00	04/19/24 16:02	95-63-6	
1,2-Dibromo-3-chloropropane	<38.8	ug/kg	250	38.8	1	04/19/24 10:00	04/19/24 16:02	96-12-8	
1,2-Dibromoethane (EDB)	<13.7	ug/kg	50.0	13.7	1	04/19/24 10:00	04/19/24 16:02	106-93-4	
1,2-Dichlorobenzene	<15.5	ug/kg	50.0	15.5	1	04/19/24 10:00	04/19/24 16:02	95-50-1	
1,2-Dichloroethane	<11.5	ug/kg	50.0	11.5	1	04/19/24 10:00	04/19/24 16:02	107-06-2	
1,2-Dichloropropane	<11.9	ug/kg	50.0	11.9	1	04/19/24 10:00	04/19/24 16:02	78-87-5	
1,3,5-Trimethylbenzene	<16.1	ug/kg	50.0	16.1	1	04/19/24 10:00	04/19/24 16:02	108-67-8	
1,3-Dichlorobenzene	<13.7	ug/kg	50.0	13.7	1	04/19/24 10:00	04/19/24 16:02	541-73-1	
1,3-Dichloropropane	<10.9	ug/kg	50.0	10.9	1	04/19/24 10:00	04/19/24 16:02	142-28-9	
1,4-Dichlorobenzene	<13.7	ug/kg	50.0	13.7	1	04/19/24 10:00	04/19/24 16:02	106-46-7	
2,2-Dichloropropane	<13.5	ug/kg	50.0	13.5	1	04/19/24 10:00	04/19/24 16:02	594-20-7	
2-Chlorotoluene	<16.2	ug/kg	50.0	16.2	1	04/19/24 10:00	04/19/24 16:02	95-49-8	
4-Chlorotoluene	<19.0	ug/kg	50.0	19.0	1	04/19/24 10:00	04/19/24 16:02	106-43-4	
Benzene	<11.9	ug/kg	20.0	11.9	1	04/19/24 10:00	04/19/24 16:02	71-43-2	
Bromobenzene	<19.5	ug/kg	50.0	19.5	1	04/19/24 10:00	04/19/24 16:02	108-86-1	
Bromochloromethane	<13.7	ug/kg	50.0	13.7	1	04/19/24 10:00	04/19/24 16:02	74-97-5	
Bromodichloromethane	<11.9	ug/kg	50.0	11.9	1	04/19/24 10:00	04/19/24 16:02	75-27-4	
Bromoform	<220	ug/kg	250	220	1	04/19/24 10:00	04/19/24 16:02	75-25-2	
Bromomethane	<70.1	ug/kg	250	70.1	1	04/19/24 10:00	04/19/24 16:02	74-83-9	
Carbon tetrachloride	<11.0	ug/kg	50.0	11.0	1	04/19/24 10:00	04/19/24 16:02	56-23-5	
Chlorobenzene	<6.0	ug/kg	50.0	6.0	1	04/19/24 10:00	04/19/24 16:02	108-90-7	
Chloroethane	<21.1	ug/kg	250	21.1	1	04/19/24 10:00	04/19/24 16:02	75-00-3	
Chloroform	<35.8	ug/kg	250	35.8	1	04/19/24 10:00	04/19/24 16:02	67-66-3	
Chloromethane	<19.0	ug/kg	50.0	19.0	1	04/19/24 10:00	04/19/24 16:02	74-87-3	
Dibromochloromethane	<171	ug/kg	250	171	1	04/19/24 10:00	04/19/24 16:02	124-48-1	
Dibromomethane	<14.8	ug/kg	50.0	14.8	1	04/19/24 10:00	04/19/24 16:02	74-95-3	
Dichlorodifluoromethane	<21.5	ug/kg	50.0	21.5	1	04/19/24 10:00	04/19/24 16:02	75-71-8	
Diisopropyl ether	<12.4	ug/kg	50.0	12.4	1	04/19/24 10:00	04/19/24 16:02	108-20-3	
Ethylbenzene	<11.9	ug/kg	50.0	11.9	1	04/19/24 10:00	04/19/24 16:02	100-41-4	
Hexachloro-1,3-butadiene	<99.4	ug/kg	250	99.4	1	04/19/24 10:00	04/19/24 16:02	87-68-3	
Isopropylbenzene (Cumene)	<13.5	ug/kg	50.0	13.5	1	04/19/24 10:00	04/19/24 16:02	98-82-8	
Methyl-tert-butyl ether	<14.7	ug/kg	50.0	14.7	1	04/19/24 10:00	04/19/24 16:02	1634-04-4	
Methylene Chloride	<13.9	ug/kg	50.0	13.9	1	04/19/24 10:00	04/19/24 16:02	75-09-2	
Naphthalene	<21.0	ug/kg	250	21.0	1	04/19/24 10:00	04/19/24 16:02	91-20-3	

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### ANALYTICAL RESULTS

Project: BETA TANK BASIN

Pace Project No.: 40277001

Sample: TB-02 Lab ID: 40277001004 Collected: 04/17/24 00:00 Received: 04/18/24 08:40 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay							
Styrene	<12.8	ug/kg	50.0	12.8	1	04/19/24 10:00	04/19/24 16:02	100-42-5	
Tetrachloroethene	<19.4	ug/kg	50.0	19.4	1	04/19/24 10:00	04/19/24 16:02	127-18-4	
Toluene	<12.6	ug/kg	50.0	12.6	1	04/19/24 10:00	04/19/24 16:02	108-88-3	
Trichloroethene	<18.7	ug/kg	50.0	18.7	1	04/19/24 10:00	04/19/24 16:02	79-01-6	
Trichlorofluoromethane	<14.5	ug/kg	50.0	14.5	1	04/19/24 10:00	04/19/24 16:02	75-69-4	
Vinyl chloride	<10.1	ug/kg	50.0	10.1	1	04/19/24 10:00	04/19/24 16:02	75-01-4	
Xylene (Total)	<36.1	ug/kg	150	36.1	1	04/19/24 10:00	04/19/24 16:02	1330-20-7	
cis-1,2-Dichloroethene	<10.7	ug/kg	50.0	10.7	1	04/19/24 10:00	04/19/24 16:02	156-59-2	
cis-1,3-Dichloropropene	<33.0	ug/kg	250	33.0	1	04/19/24 10:00	04/19/24 16:02	10061-01-5	
m&p-Xylene	<21.1	ug/kg	100	21.1	1	04/19/24 10:00	04/19/24 16:02	179601-23-1	
n-Butylbenzene	<22.9	ug/kg	50.0	22.9	1	04/19/24 10:00	04/19/24 16:02	104-51-8	
n-Propylbenzene	<12.0	ug/kg	50.0	12.0	1	04/19/24 10:00	04/19/24 16:02	103-65-1	
o-Xylene	<15.0	ug/kg	50.0	15.0	1	04/19/24 10:00	04/19/24 16:02	95-47-6	
p-Isopropyltoluene	<17.0	ug/kg	50.0	17.0	1	04/19/24 10:00	04/19/24 16:02	99-87-6	
sec-Butylbenzene	<17.2	ug/kg	50.0	17.2	1	04/19/24 10:00	04/19/24 16:02	135-98-8	
tert-Butylbenzene	<15.7	ug/kg	50.0	15.7	1	04/19/24 10:00	04/19/24 16:02	98-06-6	
trans-1,2-Dichloroethene	<10.9	ug/kg	50.0	10.9	1	04/19/24 10:00	04/19/24 16:02	156-60-5	
trans-1,3-Dichloropropene	<143	ug/kg	250	143	1	04/19/24 10:00	04/19/24 16:02	10061-02-6	
<b>Surrogates</b>									
Toluene-d8 (S)	96	%	70-139		1	04/19/24 10:00	04/19/24 16:02	2037-26-5	
4-Bromofluorobenzene (S)	96	%	72-142		1	04/19/24 10:00	04/19/24 16:02	460-00-4	
1,2-Dichlorobenzene-d4 (S)	96	%	67-144		1	04/19/24 10:00	04/19/24 16:02	2199-69-1	

### REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: BETA TANK BASIN

Pace Project No.: 40277001

QC Batch: 472177

Analysis Method: EPA 8260

QC Batch Method: EPA 5035/5030B

Analysis Description: 8260 MSV Med Level Normal List

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40277001001, 40277001002, 40277001003, 40277001004

METHOD BLANK: 2704156

Matrix: Solid

Associated Lab Samples: 40277001001, 40277001002, 40277001003, 40277001004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<12.0	50.0	04/19/24 13:07	
1,1,1-Trichloroethane	ug/kg	<12.8	50.0	04/19/24 13:07	
1,1,2,2-Tetrachloroethane	ug/kg	<18.1	50.0	04/19/24 13:07	
1,1,2-Trichloroethane	ug/kg	<18.2	50.0	04/19/24 13:07	
1,1-Dichloroethane	ug/kg	<12.8	50.0	04/19/24 13:07	
1,1-Dichloroethene	ug/kg	<16.6	50.0	04/19/24 13:07	
1,1-Dichloropropene	ug/kg	<16.2	50.0	04/19/24 13:07	
1,2,3-Trichlorobenzene	ug/kg	<55.7	250	04/19/24 13:07	
1,2,3-Trichloropropane	ug/kg	<24.3	50.0	04/19/24 13:07	
1,2,4-Trichlorobenzene	ug/kg	<41.2	250	04/19/24 13:07	
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	04/19/24 13:07	
1,2-Dibromo-3-chloropropane	ug/kg	<38.8	250	04/19/24 13:07	
1,2-Dibromoethane (EDB)	ug/kg	<13.7	50.0	04/19/24 13:07	
1,2-Dichlorobenzene	ug/kg	<15.5	50.0	04/19/24 13:07	
1,2-Dichloroethane	ug/kg	<11.5	50.0	04/19/24 13:07	
1,2-Dichloropropane	ug/kg	<11.9	50.0	04/19/24 13:07	
1,3,5-Trimethylbenzene	ug/kg	<16.1	50.0	04/19/24 13:07	
1,3-Dichlorobenzene	ug/kg	<13.7	50.0	04/19/24 13:07	
1,3-Dichloropropane	ug/kg	<10.9	50.0	04/19/24 13:07	
1,4-Dichlorobenzene	ug/kg	<13.7	50.0	04/19/24 13:07	
2,2-Dichloropropane	ug/kg	<13.5	50.0	04/19/24 13:07	
2-Chlorotoluene	ug/kg	<16.2	50.0	04/19/24 13:07	
4-Chlorotoluene	ug/kg	<19.0	50.0	04/19/24 13:07	
Benzene	ug/kg	<11.9	20.0	04/19/24 13:07	
Bromobenzene	ug/kg	<19.5	50.0	04/19/24 13:07	
Bromochloromethane	ug/kg	<13.7	50.0	04/19/24 13:07	
Bromodichloromethane	ug/kg	<11.9	50.0	04/19/24 13:07	
Bromoform	ug/kg	<220	250	04/19/24 13:07	
Bromomethane	ug/kg	<70.1	250	04/19/24 13:07	
Carbon tetrachloride	ug/kg	<11.0	50.0	04/19/24 13:07	
Chlorobenzene	ug/kg	<6.0	50.0	04/19/24 13:07	
Chloroethane	ug/kg	<21.1	250	04/19/24 13:07	
Chloroform	ug/kg	<35.8	250	04/19/24 13:07	
Chloromethane	ug/kg	<19.0	50.0	04/19/24 13:07	
cis-1,2-Dichloroethene	ug/kg	<10.7	50.0	04/19/24 13:07	
cis-1,3-Dichloropropene	ug/kg	<33.0	250	04/19/24 13:07	
Dibromochloromethane	ug/kg	<171	250	04/19/24 13:07	
Dibromomethane	ug/kg	<14.8	50.0	04/19/24 13:07	
Dichlorodifluoromethane	ug/kg	<21.5	50.0	04/19/24 13:07	
Diisopropyl ether	ug/kg	<12.4	50.0	04/19/24 13:07	

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### QUALITY CONTROL DATA

Project: BETA TANK BASIN

Pace Project No.: 40277001

METHOD BLANK: 2704156

Matrix: Solid

Associated Lab Samples: 40277001001, 40277001002, 40277001003, 40277001004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<11.9	50.0	04/19/24 13:07	
Hexachloro-1,3-butadiene	ug/kg	<99.4	250	04/19/24 13:07	
Isopropylbenzene (Cumene)	ug/kg	<13.5	50.0	04/19/24 13:07	
m&p-Xylene	ug/kg	<21.1	100	04/19/24 13:07	
Methyl-tert-butyl ether	ug/kg	<14.7	50.0	04/19/24 13:07	
Methylene Chloride	ug/kg	<13.9	50.0	04/19/24 13:07	
n-Butylbenzene	ug/kg	<22.9	50.0	04/19/24 13:07	
n-Propylbenzene	ug/kg	<12.0	50.0	04/19/24 13:07	
Naphthalene	ug/kg	<21.0	250	04/19/24 13:07	
o-Xylene	ug/kg	<15.0	50.0	04/19/24 13:07	
p-Isopropyltoluene	ug/kg	<17.0	50.0	04/19/24 13:07	
sec-Butylbenzene	ug/kg	<17.2	50.0	04/19/24 13:07	
Styrene	ug/kg	<12.8	50.0	04/19/24 13:07	
tert-Butylbenzene	ug/kg	<15.7	50.0	04/19/24 13:07	
Tetrachloroethene	ug/kg	<19.4	50.0	04/19/24 13:07	
Toluene	ug/kg	<12.6	50.0	04/19/24 13:07	
trans-1,2-Dichloroethene	ug/kg	<10.9	50.0	04/19/24 13:07	
trans-1,3-Dichloropropene	ug/kg	<143	250	04/19/24 13:07	
Trichloroethene	ug/kg	<18.7	50.0	04/19/24 13:07	
Trichlorofluoromethane	ug/kg	<14.5	50.0	04/19/24 13:07	
Vinyl chloride	ug/kg	<10.1	50.0	04/19/24 13:07	
Xylene (Total)	ug/kg	<36.1	150	04/19/24 13:07	
1,2-Dichlorobenzene-d4 (S)	%	107	67-144	04/19/24 13:07	
4-Bromofluorobenzene (S)	%	106	72-142	04/19/24 13:07	
Toluene-d8 (S)	%	111	70-139	04/19/24 13:07	

LABORATORY CONTROL SAMPLE: 2704157

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2290	92	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2390	95	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2450	98	70-130	
1,1-Dichloroethane	ug/kg	2500	2650	106	70-130	
1,1-Dichloroethene	ug/kg	2500	2470	99	77-122	
1,2,4-Trichlorobenzene	ug/kg	2500	2200	88	66-125	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2060	83	66-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2550	102	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2470	99	70-130	
1,2-Dichloroethane	ug/kg	2500	2900	116	70-130	
1,2-Dichloropropane	ug/kg	2500	2510	100	80-121	
1,3-Dichlorobenzene	ug/kg	2500	2470	99	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2540	101	70-130	
Benzene	ug/kg	2500	2570	103	70-130	
Bromodichloromethane	ug/kg	2500	2420	97	70-130	

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### QUALITY CONTROL DATA

Project: BETA TANK BASIN

Pace Project No.: 40277001

LABORATORY CONTROL SAMPLE: 2704157

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/kg	2500	1810	72	67-130	
Bromomethane	ug/kg	2500	2950	118	25-150	
Carbon tetrachloride	ug/kg	2500	2110	84	72-136	
Chlorobenzene	ug/kg	2500	2640	106	70-130	
Chloroethane	ug/kg	2500	3200	128	20-178	
Chloroform	ug/kg	2500	2610	104	80-120	
Chloromethane	ug/kg	2500	2140	86	45-123	
cis-1,2-Dichloroethene	ug/kg	2500	2470	99	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2320	93	70-130	
Dibromochloromethane	ug/kg	2500	2060	83	70-130	
Dichlorodifluoromethane	ug/kg	2500	1140	45	14-106	
Ethylbenzene	ug/kg	2500	2620	105	80-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2410	96	70-130	
m&p-Xylene	ug/kg	5000	5220	104	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2370	95	70-130	
Methylene Chloride	ug/kg	2500	2590	104	70-130	
o-Xylene	ug/kg	2500	2530	101	70-130	
Styrene	ug/kg	2500	2730	109	70-130	
Tetrachloroethene	ug/kg	2500	2500	100	70-130	
Toluene	ug/kg	2500	2430	97	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2560	103	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2240	89	70-130	
Trichloroethene	ug/kg	2500	2610	105	70-130	
Trichlorofluoromethane	ug/kg	2500	2310	92	49-141	
Vinyl chloride	ug/kg	2500	2000	80	59-120	
Xylene (Total)	ug/kg	7500	7740	103	70-130	
1,2-Dichlorobenzene-d4 (S)	%			103	67-144	
4-Bromofluorobenzene (S)	%			105	72-142	
Toluene-d8 (S)	%			108	70-139	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2704158 2704159

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40277027001 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/kg	<19.4	1510	1510	1320	1260	87	83	56-130	5	20	
1,1,2,2-Tetrachloroethane	ug/kg	<27.4	1510	1510	1440	1540	95	101	70-133	6	20	
1,1,2-Trichloroethane	ug/kg	<27.6	1510	1510	1520	1480	100	98	70-130	2	20	
1,1-Dichloroethane	ug/kg	<19.4	1510	1510	1620	1640	107	108	70-130	1	20	
1,1-Dichloroethene	ug/kg	<25.1	1510	1510	1330	1340	88	88	52-122	1	20	
1,2,4-Trichlorobenzene	ug/kg	<62.4	1510	1510	1500	1470	99	97	66-136	2	20	
1,2-Dibromo-3-chloropropane	ug/kg	<58.8	1510	1510	1110	1400	73	93	59-131	23	23	
1,2-Dibromoethane (EDB)	ug/kg	<20.8	1510	1510	1510	1540	100	102	70-130	2	20	
1,2-Dichlorobenzene	ug/kg	<23.5	1510	1510	1570	1590	104	105	70-130	1	20	
1,2-Dichloroethane	ug/kg	<17.4	1510	1510	1720	1800	114	119	70-130	4	20	

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**QUALITY CONTROL DATA**

Project: BETA TANK BASIN

Pace Project No.: 40277001

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2704158 2704159												
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40277027001 Result	Spike Conc.	Spike Conc.	MS Result							
1,2-Dichloropropane	ug/kg	<18.0	1510	1510	1550	1590	102	105	77-121	3	20	
1,3-Dichlorobenzene	ug/kg	<20.8	1510	1510	1600	1580	105	104	70-130	1	20	
1,4-Dichlorobenzene	ug/kg	<20.8	1510	1510	1610	1570	106	104	70-130	2	20	
Benzene	ug/kg	<18.0	1510	1510	1550	1560	103	103	70-130	0	20	
Bromodichloromethane	ug/kg	<18.0	1510	1510	1490	1480	98	98	70-130	0	20	
Bromoform	ug/kg	<333	1510	1510	1030	950	68	63	67-130	8	20	M1
Bromomethane	ug/kg	<106	1510	1510	2040	2040	135	135	25-150	0	20	
Carbon tetrachloride	ug/kg	<16.7	1510	1510	1110	1040	73	69	48-136	6	20	
Chlorobenzene	ug/kg	<9.1	1510	1510	1620	1630	107	107	70-130	1	20	
Chloroethane	ug/kg	<32.0	1510	1510	2080	2080	137	138	20-178	0	23	
Chloroform	ug/kg	<54.2	1510	1510	1460	1630	96	107	80-120	11	20	
Chloromethane	ug/kg	<28.8	1510	1510	1630	1660	108	109	23-132	1	20	
cis-1,2-Dichloroethene	ug/kg	<16.2	1510	1510	1550	1550	102	103	70-130	0	20	
cis-1,3-Dichloropropene	ug/kg	<50.0	1510	1510	1380	1440	91	95	70-130	4	20	
Dibromochloromethane	ug/kg	<259	1510	1510	1250	1200	83	79	70-130	4	20	
Dichlorodifluoromethane	ug/kg	<32.6	1510	1510	954	903	63	60	10-106	6	34	
Ethylbenzene	ug/kg	<18.0	1510	1510	1600	1520	106	100	80-120	5	20	
Isopropylbenzene (Cumene)	ug/kg	<20.5	1510	1510	1420	1340	94	89	70-130	5	20	
m&p-Xylene	ug/kg	<32.0	3030	3030	3180	3070	105	101	70-130	4	20	
Methyl-tert-butyl ether	ug/kg	<22.3	1510	1510	1460	1540	96	101	67-130	5	20	
Methylene Chloride	ug/kg	<21.1	1510	1510	1640	1700	108	112	70-130	4	20	
o-Xylene	ug/kg	<22.7	1510	1510	1620	1550	107	102	70-130	5	20	
Styrene	ug/kg	<19.4	1510	1510	1700	1610	112	106	70-130	5	20	
Tetrachloroethene	ug/kg	<29.4	1510	1510	1490	1300	98	86	70-130	13	20	
Toluene	ug/kg	<19.1	1510	1510	1460	1460	96	96	80-120	0	20	
trans-1,2-Dichloroethene	ug/kg	<16.6	1510	1510	1610	1590	106	105	70-130	1	20	
trans-1,3-Dichloropropene	ug/kg	<217	1510	1510	1330	1270	88	84	70-130	5	20	
Trichloroethene	ug/kg	<28.3	1510	1510	1550	1540	102	102	70-130	1	20	
Trichlorofluoromethane	ug/kg	<22.0	1510	1510	1290	1160	85	77	21-141	11	28	
Vinyl chloride	ug/kg	<15.3	1510	1510	1310	1230	87	81	29-120	7	20	
Xylene (Total)	ug/kg	<54.7	4540	4540	4800	4610	106	102	70-130	4	20	
1,2-Dichlorobenzene-d4 (S)	%						137	130	67-144			
4-Bromofluorobenzene (S)	%						141	137	72-142			
Toluene-d8 (S)	%						145	134	70-139			1q

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### QUALITY CONTROL DATA

Project: BETA TANK BASIN

Pace Project No.: 40277001

QC Batch: 472337

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40277001001, 40277001002, 40277001003

SAMPLE DUPLICATE: 2705387

Parameter	Units	40277002006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.8	9.4	4	10	

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## QUALIFIERS

Project: BETA TANK BASIN

Pace Project No.: 40277001

---

### 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 - The reported result is an estimated value.

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.

DL - Adjusted Method Detection Limit.

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 - Analyte was not detected and is reported as less than the LOD or as defined by the customer.

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

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

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

- |    |  |
|----|--|
| 1q | Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from the analysis of the parent sample that demonstrated similar interference). |
| M1 | Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.  |
| S3 | Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.   |

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BETA TANK BASIN

Pace Project No.: 40277001

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40277001001	SW01	EPA 5035/5030B	472177	EPA 8260	472181
40277001002	SW02	EPA 5035/5030B	472177	EPA 8260	472181
40277001003	SW03	EPA 5035/5030B	472177	EPA 8260	472181
40277001004	TB-02	EPA 5035/5030B	472177	EPA 8260	472181
40277001001	SW01	ASTM D2974-87	472337		
40277001002	SW02	ASTM D2974-87	472337		
40277001003	SW03	ASTM D2974-87	472337		

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40277001

**Pace**  
 Pace® Location Requested (City/State):  
 Pace Analytical Green Bay  
 1241 Bellevue Street, Suite 9  
 Green Bay, WI 54302

**CHAIN-OF-CUSTODY Analytical Request Document**

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY - Affix Workorder/Login Label Here



Scan QR Code for instructions

Company Name: Ramboll US Consulting, Inc.  
 Street Address: 234 W. Florida Street, Fifth Floor  
 Milwaukee, WI 53204

Contact/Report To: ~~David Markelz~~ Richard Mazurkiewicz  
 Phone #: ~~262-901-0131~~ 262 901 3502  
 E-Mail: ~~dmarkelz@ramboll.com~~ R.Mazurkiewicz@ramboll.com  
 Cc E-Mail: Ramboll.com

Customer Project #:   
 Project Name: **Beta Tank Basin**  
 Site Collection Info/Facility ID (as applicable):

Invoice To: Ramboll Americas  
 Invoice E-Mail: ramboll.us@pdf.basware.com  
 Purchase Order # (if applicable):  
 Quote #:

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

\*\*Container Size (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other  
 \*\*\* Preservative Types (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET  
 Data Deliverables:  
 [ ] Level II [ ] Level III [ ] Level IV  
 [ ] EQUIS  
 [ ] Other

County / State origin of sample(s): Wisconsin  
 Regulatory Program (DW, RCRA, etc.) as applicable. Reportable [ ] Yes [ ] No  
 Rush (Pre-approval required):  
 [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other  
 Date Results Requested:  
 Field Filtered (if applicable) [ ] Yes [ ] No  
 Analysis:

8260 P496 Labmap Full list VDL  
 Dry weight  
 Trip Blank

Customer Sample ID	Matrix	Comp / Grab	Composite Start	Collected or Composite End	# Cont.	Res. Chlorine	Results	Units
SW01	SS	G		4-17 1311	2		X	X
SW02	SS	G		↓ 1320	2		X	X
SW03	SS	G		↓ 1318	2		X	X
TB-02	-	-		4-17 -	1			X

Proj. Mgr: Steven Mleczo  
 AcctNum / Client ID:  
 Table #:  
 Profile / Template: 3007  
 Prelog / Bottle Ord. ID: EZ 3083193  
 Sample Comment

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

Additional Instructions from Pace\*:

Collected By: (Printed Name) Emily Roder  
 Signature: *[Signature]*

Customer Remarks / Special Conditions / Possible Hazards:  
 # Coolers: 1 Thermometer ID: 120 Correction Factor (°C): none Obs Temp. (°C): 0.0 Corrected Temp. (°C): 0.0 On Ice: Y

Relinquished by/Company (Signature): *Emily Roder/Ramboll*  
 Date/Time: 4/17 1530  
 Relinquished by/Company (Signature): *OS Logistics*  
 Date/Time: 4/18/24 0840

Received by/Company (Signature): *[Signature]*  
 Date/Time: 4/18/24 0840

Received by/Company (Signature): *[Signature]*  
 Date/Time: 4/18/24 0840

Tracking Number: N/A  
 Delivered by: [ ] In-Person [ ] Courier  
 [ ] FedEx [ ] UPS [ ] Other  
 Page: 1 of 1

Client Name: Ramboll US

Sample Preservation Receipt Form

Project # 40277001

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	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU								SP5T	ZPLC	GN 1	GN 2					
001																																							2.5 / 5
002																																							2.5 / 5
003																																							2.5 / 5
004																																							2.5 / 5
005																																							2.5 / 5
006																																							2.5 / 5
007																																							2.5 / 5
008																																							2.5 / 5
009																																							2.5 / 5
010																																							2.5 / 5
011																																							2.5 / 5
012																																							2.5 / 5
013																																							2.5 / 5
014																																							2.5 / 5
015																																							2.5 / 5
016																																							2.5 / 5
017																																							2.5 / 5
018																																							2.5 / 5
019																																							2.5 / 5
020																																							2.5 / 5

*Ac 4/11/18/24*

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

<b>AG1U</b>	1 liter amber glass	<b>BP1U</b>	1 liter plastic unpres	<b>VG9C</b>	40 mL clear ascorbic w/ HCl	<b>JGFU</b>	4 oz amber jar unpres
<b>BG1U</b>	1 liter clear glass	<b>BP3U</b>	250 mL plastic unpres	<b>DG9T</b>	40 mL amber Na Thio	<b>JG9U</b>	9 oz amber jar unpres
<b>AG1H</b>	1 liter amber glass HCL	<b>BP3B</b>	250 mL plastic NaOH	<b>VG9U</b>	40 mL clear vial unpres	<b>WGFU</b>	4 oz clear jar unpres
<b>AG4S</b>	125 mL amber glass H2SO4	<b>BP3N</b>	250 mL plastic HNO3	<b>VG9H</b>	40 mL clear vial HCL	<b>WPFU</b>	4 oz plastic jar unpres
<b>AG5U</b>	100 mL amber glass unpres	<b>BP3S</b>	250 mL plastic H2SO4	<b>VG9M</b>	40 mL clear vial MeOH	<b>SP5T</b>	120 mL plastic Na Thiosulfate
<b>AG2S</b>	500 mL amber glass H2SO4	<b>BP2Z</b>	500 mL plastic NaOH + Zn	<b>VG9D</b>	40 mL clear vial DI	<b>ZPLC</b>	ziploc bag
<b>BG3U</b>	250 mL clear glass unpres					<b>GN 1</b>	
						<b>GN 2</b>	

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: Ramboll US

WO#: **40277001**

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Walco  
 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 - i20 Type of Ice: Wet Blue Dry None  Meltwater Only

Cooler Temperature Uncorr: 0.0 / Corr: 0.0

Temp Blank Present:  yes  no Biological Tissue is Frozen:  yes  no

Person examining contents:  
 Date: 4/8/24 / Initials: AL  
 Labeled By Initials: YJA

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

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- DI VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type: <u>Pace Green Bay</u> Pace IR, Non-Pace		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>SL</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>3731</u>		

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

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

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

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



May 01, 2024

Richard Mazurkiewicz  
Ramboll US Consulting, Inc.  
234 W. Florida Street  
Fifth Floor  
Milwaukee, WI 53204

RE: Project: 1690023383 BECHER ST  
Pace Project No.: 40277273

Dear Richard Mazurkiewicz:

Enclosed are the analytical results for sample(s) received by the laboratory on April 24, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,

Steven Mleczko  
steve.mleczko@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: Duncan Glasford, Ramboll US Consulting, Inc.  
Kyle Heimstead, Ramboll US Consulting, Inc.  
Maggie Sheckler, Ramboll



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 1690023383 BECHER ST

Pace Project No.: 40277273

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### **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

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

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### SAMPLE SUMMARY

Project: 1690023383 BECHER ST  
Pace Project No.: 40277273

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Lab ID	Sample ID	Matrix	Date Collected	Date Received
40277273001	UST PIT GW	Water	04/23/24 09:00	04/24/24 09:15

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### SAMPLE ANALYTE COUNT

Project: 1690023383 BECHER ST  
Pace Project No.: 40277273

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Lab ID	Sample ID	Method	Analysts	Analytes Reported
40277273001	UST PIT GW	EPA 8082A	BLM	10
		EPA 6020B	KXS	7
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	20
		EPA 8260	EIB	65

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PASI-G = Pace Analytical Services - Green Bay

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## ANALYTICAL RESULTS

Project: 1690023383 BECHER ST

Pace Project No.: 40277273

Sample: UST PIT GW Lab ID: 40277273001 Collected: 04/23/24 09:00 Received: 04/24/24 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082A GCS PCB Low Volume</b>									
Analytical Method: EPA 8082A Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	<0.11	ug/L	0.50	0.11	1	04/29/24 06:49	04/29/24 15:31	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.11	ug/L	0.50	0.11	1	04/29/24 06:49	04/29/24 15:31	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.11	ug/L	0.50	0.11	1	04/29/24 06:49	04/29/24 15:31	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.11	ug/L	0.50	0.11	1	04/29/24 06:49	04/29/24 15:31	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.11	ug/L	0.50	0.11	1	04/29/24 06:49	04/29/24 15:31	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.11	ug/L	0.50	0.11	1	04/29/24 06:49	04/29/24 15:31	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.11	ug/L	0.50	0.11	1	04/29/24 06:49	04/29/24 15:31	11096-82-5	
PCB, Total	<0.11	ug/L	0.50	0.11	1	04/29/24 06:49	04/29/24 15:31	1336-36-3	
<b>Surrogates</b>									
Decachlorobiphenyl (S)	72	%	10-132		1	04/29/24 06:49	04/29/24 15:31	2051-24-3	
Tetrachloro-m-xylene (S)	72	%	41-120		1	04/29/24 06:49	04/29/24 15:31	877-09-8	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Arsenic, Dissolved	0.63J	ug/L	1.0	0.28	1	04/29/24 05:52	04/29/24 19:46	7440-38-2	
Barium, Dissolved	55.8	ug/L	2.3	0.70	1	04/29/24 05:52	04/29/24 19:46	7440-39-3	
Cadmium, Dissolved	<0.15	ug/L	1.0	0.15	1	04/29/24 05:52	04/29/24 19:46	7440-43-9	
Chromium, Dissolved	<1.0	ug/L	3.4	1.0	1	04/29/24 05:52	04/29/24 19:46	7440-47-3	
Lead, Dissolved	0.70J	ug/L	1.0	0.24	1	04/29/24 05:52	04/29/24 19:46	7439-92-1	
Selenium, Dissolved	<0.32	ug/L	1.1	0.32	1	04/29/24 05:52	04/29/24 19:46	7782-49-2	
Silver, Dissolved	<0.13	ug/L	0.50	0.13	1	04/29/24 05:52	04/29/24 19:46	7440-22-4	
<b>7470 Mercury, Dissolved</b>									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/30/24 08:13	04/30/24 17:55	7439-97-6	
<b>8270E MSSV PAH</b>									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	0.025J	ug/L	0.050	0.014	1	04/25/24 13:19	04/26/24 18:50	83-32-9	
Acenaphthylene	<0.013	ug/L	0.050	0.013	1	04/25/24 13:19	04/26/24 18:50	208-96-8	
Anthracene	0.022J	ug/L	0.050	0.018	1	04/25/24 13:19	04/26/24 18:50	120-12-7	
Benzo(a)anthracene	0.063	ug/L	0.050	0.014	1	04/25/24 13:19	04/26/24 18:50	56-55-3	
Benzo(a)pyrene	0.061	ug/L	0.050	0.013	1	04/25/24 13:19	04/26/24 18:50	50-32-8	
Benzo(b)fluoranthene	0.11	ug/L	0.050	0.0091	1	04/25/24 13:19	04/26/24 18:50	205-99-2	
Benzo(g,h,i)perylene	0.076	ug/L	0.050	0.023	1	04/25/24 13:19	04/26/24 18:50	191-24-2	
Benzo(k)fluoranthene	0.044J	ug/L	0.050	0.022	1	04/25/24 13:19	04/26/24 18:50	207-08-9	
Chrysene	0.084	ug/L	0.050	0.013	1	04/25/24 13:19	04/26/24 18:50	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.050	0.018	1	04/25/24 13:19	04/26/24 18:50	53-70-3	
Fluoranthene	0.20	ug/L	0.050	0.026	1	04/25/24 13:19	04/26/24 18:50	206-44-0	
Fluorene	<0.024	ug/L	0.050	0.024	1	04/25/24 13:19	04/26/24 18:50	86-73-7	
Indeno(1,2,3-cd)pyrene	0.060	ug/L	0.050	0.016	1	04/25/24 13:19	04/26/24 18:50	193-39-5	
1-Methylnaphthalene	0.56	ug/L	0.050	0.018	1	04/25/24 13:19	04/26/24 18:50	90-12-0	
2-Methylnaphthalene	1.0	ug/L	0.050	0.014	1	04/25/24 13:19	04/26/24 18:50	91-57-6	
Naphthalene	1.7	ug/L	0.050	0.020	1	04/25/24 13:19	04/26/24 18:50	91-20-3	1q
Phenanthrene	0.13	ug/L	0.050	0.026	1	04/25/24 13:19	04/26/24 18:50	85-01-8	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1690023383 BECHER ST

Pace Project No.: 40277273

Sample: UST PIT GW Lab ID: 40277273001 Collected: 04/23/24 09:00 Received: 04/24/24 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV PAH</b>									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Pyrene	0.14	ug/L	0.050	0.023	1	04/25/24 13:19	04/26/24 18:50	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	52	%	38-120		1	04/25/24 13:19	04/26/24 18:50	321-60-8	
Terphenyl-d14 (S)	65	%	47-121		1	04/25/24 13:19	04/26/24 18:50	1718-51-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	1.4	ug/L	1.0	0.30	1		04/25/24 23:25	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		04/25/24 23:25	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		04/25/24 23:25	74-97-5	
Bromodichloromethane	<0.21	ug/L	1.0	0.21	1		04/25/24 23:25	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		04/25/24 23:25	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/25/24 23:25	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/25/24 23:25	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/25/24 23:25	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/25/24 23:25	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/25/24 23:25	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/25/24 23:25	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/25/24 23:25	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		04/25/24 23:25	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/25/24 23:25	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/25/24 23:25	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/25/24 23:25	106-43-4	
1,2-Dibromo-3-chloropropane	<0.36	ug/L	5.0	0.36	1		04/25/24 23:25	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/25/24 23:25	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		04/25/24 23:25	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		04/25/24 23:25	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/25/24 23:25	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/25/24 23:25	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/25/24 23:25	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		04/25/24 23:25	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/25/24 23:25	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/25/24 23:25	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/25/24 23:25	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/25/24 23:25	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/25/24 23:25	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/25/24 23:25	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		04/25/24 23:25	142-28-9	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		04/25/24 23:25	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		04/25/24 23:25	563-58-6	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		04/25/24 23:25	10061-01-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		04/25/24 23:25	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		04/25/24 23:25	108-20-3	
Ethylbenzene	16.0	ug/L	1.0	0.33	1		04/25/24 23:25	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		04/25/24 23:25	87-68-3	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1690023383 BECHER ST

Pace Project No.: 40277273

Sample: UST PIT GW Lab ID: 40277273001 Collected: 04/23/24 09:00 Received: 04/24/24 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Isopropylbenzene (Cumene)	1.4J	ug/L	5.0	1.0	1		04/25/24 23:25	98-82-8	
p-Isopropyltoluene	16.6	ug/L	5.0	1.0	1		04/25/24 23:25	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/25/24 23:25	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		04/25/24 23:25	1634-04-4	
Naphthalene	2.3J	ug/L	5.0	1.9	1		04/25/24 23:25	91-20-3	
n-Propylbenzene	4.3	ug/L	1.0	0.35	1		04/25/24 23:25	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		04/25/24 23:25	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		04/25/24 23:25	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		04/25/24 23:25	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/25/24 23:25	127-18-4	
Toluene	15.4	ug/L	1.0	0.29	1		04/25/24 23:25	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/25/24 23:25	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/25/24 23:25	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/25/24 23:25	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		04/25/24 23:25	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/25/24 23:25	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		04/25/24 23:25	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		04/25/24 23:25	96-18-4	
1,2,4-Trimethylbenzene	22.5	ug/L	1.0	0.45	1		04/25/24 23:25	95-63-6	
1,3,5-Trimethylbenzene	7.1	ug/L	1.0	0.36	1		04/25/24 23:25	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/25/24 23:25	75-01-4	
Xylene (Total)	64.4	ug/L	3.0	1.0	1		04/25/24 23:25	1330-20-7	
m&p-Xylene	47.5	ug/L	2.0	0.70	1		04/25/24 23:25	179601-23-1	
o-Xylene	16.8	ug/L	1.0	0.35	1		04/25/24 23:25	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/25/24 23:25	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		04/25/24 23:25	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		04/25/24 23:25	2037-26-5	

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**QUALITY CONTROL DATA**

Project: 1690023383 BECHER ST

Pace Project No.: 40277273

QC Batch: 473029	Analysis Method: EPA 7470
QC Batch Method: EPA 7470	Analysis Description: 7470 Mercury Dissolved
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40277273001

METHOD BLANK: 2709164 Matrix: Water

Associated Lab Samples: 40277273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.066	0.20	04/30/24 16:26	

LABORATORY CONTROL SAMPLE: 2709165

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.2	105	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2709166 2709167

Parameter	Units	2709166		2709167		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40276862011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Mercury, Dissolved	ug/L	<0.066	5	5	5.4	5.3	109	107	85-115	2	20	

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**QUALITY CONTROL DATA**

Project: 1690023383 BECHER ST

Pace Project No.: 40277273

QC Batch: 472673

Analysis Method: EPA 6020B

QC Batch Method: EPA 3010A

Analysis Description: 6020B MET Dissolved

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40277273001

METHOD BLANK: 2707116

Matrix: Water

Associated Lab Samples: 40277273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	<0.28	1.0	04/29/24 19:09	
Barium, Dissolved	ug/L	<0.70	2.3	04/29/24 19:09	
Cadmium, Dissolved	ug/L	<0.15	1.0	04/29/24 19:09	
Chromium, Dissolved	ug/L	<1.0	3.4	04/29/24 19:09	
Lead, Dissolved	ug/L	<0.24	1.0	04/29/24 19:09	
Selenium, Dissolved	ug/L	<0.32	1.1	04/29/24 19:09	
Silver, Dissolved	ug/L	<0.13	0.50	04/29/24 19:09	

LABORATORY CONTROL SAMPLE: 2707117

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	250	260	104	80-120	
Barium, Dissolved	ug/L	250	259	103	80-120	
Cadmium, Dissolved	ug/L	250	260	104	80-120	
Chromium, Dissolved	ug/L	250	258	103	80-120	
Lead, Dissolved	ug/L	250	255	102	80-120	
Selenium, Dissolved	ug/L	250	275	110	80-120	
Silver, Dissolved	ug/L	125	124	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2707118 2707119

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40277273001 Result	Spike Conc.	Spike Conc.	MS Result						
Arsenic, Dissolved	ug/L	0.63J	250	250	255	261	102	104	75-125	2	20
Barium, Dissolved	ug/L	55.8	250	250	315	316	104	104	75-125	0	20
Cadmium, Dissolved	ug/L	<0.15	250	250	254	253	102	101	75-125	0	20
Chromium, Dissolved	ug/L	<1.0	250	250	250	256	100	102	75-125	2	20
Lead, Dissolved	ug/L	0.70J	250	250	258	259	103	103	75-125	0	20
Selenium, Dissolved	ug/L	<0.32	250	250	263	269	105	107	75-125	2	20
Silver, Dissolved	ug/L	<0.13	125	125	116	117	93	93	75-125	0	20

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## QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40277273

QC Batch: 472747

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40277273001

METHOD BLANK: 2707575

Matrix: Water

Associated Lab Samples: 40277273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	04/25/24 16:52	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	04/25/24 16:52	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	04/25/24 16:52	
1,1,2-Trichloroethane	ug/L	<0.34	1.0	04/25/24 16:52	
1,1-Dichloroethane	ug/L	<0.30	1.0	04/25/24 16:52	
1,1-Dichloroethene	ug/L	<0.58	1.0	04/25/24 16:52	
1,1-Dichloropropene	ug/L	<0.41	1.0	04/25/24 16:52	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	04/25/24 16:52	
1,2,3-Trichloropropane	ug/L	<0.56	1.0	04/25/24 16:52	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	04/25/24 16:52	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	04/25/24 16:52	
1,2-Dibromo-3-chloropropane	ug/L	<0.36	5.0	04/25/24 16:52	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	04/25/24 16:52	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	04/25/24 16:52	
1,2-Dichloroethane	ug/L	<0.29	1.0	04/25/24 16:52	
1,2-Dichloropropane	ug/L	<0.45	1.0	04/25/24 16:52	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	04/25/24 16:52	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	04/25/24 16:52	
1,3-Dichloropropane	ug/L	<0.30	1.0	04/25/24 16:52	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	04/25/24 16:52	
2,2-Dichloropropane	ug/L	<0.42	1.0	04/25/24 16:52	
2-Chlorotoluene	ug/L	<0.89	5.0	04/25/24 16:52	
4-Chlorotoluene	ug/L	<0.89	5.0	04/25/24 16:52	
Benzene	ug/L	<0.30	1.0	04/25/24 16:52	
Bromobenzene	ug/L	<0.36	1.0	04/25/24 16:52	
Bromochloromethane	ug/L	<0.36	1.0	04/25/24 16:52	
Bromodichloromethane	ug/L	<0.21	1.0	04/25/24 16:52	
Bromoform	ug/L	<0.43	1.0	04/25/24 16:52	
Bromomethane	ug/L	<1.2	5.0	04/25/24 16:52	
Carbon tetrachloride	ug/L	<0.37	1.0	04/25/24 16:52	
Chlorobenzene	ug/L	<0.86	1.0	04/25/24 16:52	
Chloroethane	ug/L	<1.4	5.0	04/25/24 16:52	
Chloroform	ug/L	<0.50	5.0	04/25/24 16:52	
Chloromethane	ug/L	<1.6	5.0	04/25/24 16:52	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	04/25/24 16:52	
cis-1,3-Dichloropropene	ug/L	<0.24	1.0	04/25/24 16:52	
Dibromochloromethane	ug/L	<2.6	5.0	04/25/24 16:52	
Dibromomethane	ug/L	<0.99	5.0	04/25/24 16:52	
Dichlorodifluoromethane	ug/L	<0.46	5.0	04/25/24 16:52	
Diisopropyl ether	ug/L	<1.1	5.0	04/25/24 16:52	

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**QUALITY CONTROL DATA**

Project: 1690023383 BECHER ST

Pace Project No.: 40277273

METHOD BLANK: 2707575

Matrix: Water

Associated Lab Samples: 40277273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.33	1.0	04/25/24 16:52	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	04/25/24 16:52	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	04/25/24 16:52	
m&p-Xylene	ug/L	<0.70	2.0	04/25/24 16:52	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	04/25/24 16:52	
Methylene Chloride	ug/L	<0.32	5.0	04/25/24 16:52	
n-Butylbenzene	ug/L	<0.86	1.0	04/25/24 16:52	
n-Propylbenzene	ug/L	<0.35	1.0	04/25/24 16:52	
Naphthalene	ug/L	<1.9	5.0	04/25/24 16:52	
o-Xylene	ug/L	<0.35	1.0	04/25/24 16:52	
p-Isopropyltoluene	ug/L	<1.0	5.0	04/25/24 16:52	
sec-Butylbenzene	ug/L	<0.42	1.0	04/25/24 16:52	
Styrene	ug/L	<0.36	1.0	04/25/24 16:52	
tert-Butylbenzene	ug/L	<0.59	1.0	04/25/24 16:52	
Tetrachloroethene	ug/L	<0.41	1.0	04/25/24 16:52	
Toluene	ug/L	<0.29	1.0	04/25/24 16:52	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	04/25/24 16:52	
trans-1,3-Dichloropropene	ug/L	<0.27	1.0	04/25/24 16:52	
Trichloroethene	ug/L	<0.32	1.0	04/25/24 16:52	
Trichlorofluoromethane	ug/L	<0.42	1.0	04/25/24 16:52	
Vinyl chloride	ug/L	<0.17	1.0	04/25/24 16:52	
Xylene (Total)	ug/L	<1.0	3.0	04/25/24 16:52	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130	04/25/24 16:52	
4-Bromofluorobenzene (S)	%	98	70-130	04/25/24 16:52	
Toluene-d8 (S)	%	96	70-130	04/25/24 16:52	

LABORATORY CONTROL SAMPLE: 2707576

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.3	113	70-132	
1,1,2,2-Tetrachloroethane	ug/L	50	48.4	97	70-130	
1,1,2-Trichloroethane	ug/L	50	49.6	99	70-130	
1,1-Dichloroethane	ug/L	50	46.6	93	70-130	
1,1-Dichloroethene	ug/L	50	39.4	79	73-140	
1,2,4-Trichlorobenzene	ug/L	50	49.2	98	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	46.4	93	58-130	
1,2-Dibromoethane (EDB)	ug/L	50	53.7	107	70-130	
1,2-Dichlorobenzene	ug/L	50	51.6	103	70-130	
1,2-Dichloroethane	ug/L	50	52.6	105	70-130	
1,2-Dichloropropane	ug/L	50	47.3	95	77-127	
1,3-Dichlorobenzene	ug/L	50	51.9	104	70-130	
1,4-Dichlorobenzene	ug/L	50	52.3	105	70-130	
Benzene	ug/L	50	47.0	94	70-130	
Bromodichloromethane	ug/L	50	51.4	103	70-130	

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**QUALITY CONTROL DATA**

Project: 1690023383 BECHER ST

Pace Project No.: 40277273

LABORATORY CONTROL SAMPLE: 2707576

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	56.8	114	70-130	
Bromomethane	ug/L	50	30.2	60	22-141	
Carbon tetrachloride	ug/L	50	52.9	106	70-135	
Chlorobenzene	ug/L	50	52.6	105	70-130	
Chloroethane	ug/L	50	34.4	69	59-141	
Chloroform	ug/L	50	55.8	112	80-124	
Chloromethane	ug/L	50	22.7	45	29-150	
cis-1,2-Dichloroethene	ug/L	50	53.6	107	70-130	
cis-1,3-Dichloropropene	ug/L	50	46.9	94	70-130	
Dibromochloromethane	ug/L	50	55.8	112	70-130	
Dichlorodifluoromethane	ug/L	50	12.3	25	10-147	
Ethylbenzene	ug/L	50	50.0	100	80-125	
Isopropylbenzene (Cumene)	ug/L	50	53.3	107	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	48.3	97	64-131	
Methylene Chloride	ug/L	50	45.5	91	70-137	
o-Xylene	ug/L	50	49.6	99	70-130	
Styrene	ug/L	50	53.5	107	70-130	
Tetrachloroethene	ug/L	50	55.4	111	70-130	
Toluene	ug/L	50	49.1	98	80-120	
trans-1,2-Dichloroethene	ug/L	50	54.7	109	70-131	
trans-1,3-Dichloropropene	ug/L	50	47.5	95	70-130	
Trichloroethene	ug/L	50	52.9	106	70-130	
Trichlorofluoromethane	ug/L	50	47.3	95	69-141	
Vinyl chloride	ug/L	50	25.7	51	51-145	
Xylene (Total)	ug/L	150	152	101	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2707637 2707638

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40277295001	Result	Spike Conc.	Spike Conc.							Result
1,1,1-Trichloroethane	ug/L	<0.00030	mg/L	50	50	52.6	55.7	105	111	70-132	6	20
1,1,2,2-Tetrachloroethane	ug/L	<0.00025	mg/L	50	50	46.9	50.7	94	101	70-131	8	20
1,1,2-Trichloroethane	ug/L	<0.00034	mg/L	50	50	48.0	50.8	96	102	70-130	6	20
1,1-Dichloroethane	ug/L	<0.00030	mg/L	50	50	43.0	45.9	86	92	70-131	7	20
1,1-Dichloroethene	ug/L	<0.00058	mg/L	50	50	36.7	39.5	73	79	69-146	7	20
1,2,4-Trichlorobenzene	ug/L	<0.00095	mg/L	50	50	47.0	50.5	94	101	70-130	7	20

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**QUALITY CONTROL DATA**

Project: 1690023383 BECHER ST

Pace Project No.: 40277273

Parameter	Units	40277295001		2707637		2707638		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
1,2-Dibromo-3-chloropropane	ug/L	<0.00036 mg/L	50	50	45.6	50.8	91	102	56-130	11	20			
1,2-Dibromoethane (EDB)	ug/L	<0.00031 mg/L	50	50	50.7	53.8	101	108	70-130	6	20			
1,2-Dichlorobenzene	ug/L	<0.00033 mg/L	50	50	49.2	52.0	98	104	70-130	5	20			
1,2-Dichloroethane	ug/L	<0.00029 mg/L	50	50	48.9	51.7	98	103	70-130	6	20			
1,2-Dichloropropane	ug/L	<0.00045 mg/L	50	50	44.2	47.4	88	95	77-129	7	20			
1,3-Dichlorobenzene	ug/L	<0.00035 mg/L	50	50	49.3	52.3	99	105	70-130	6	20			
1,4-Dichlorobenzene	ug/L	<0.00089 mg/L	50	50	50.1	51.9	100	104	70-130	3	20			
Benzene	ug/L	<0.00030 mg/L	50	50	44.3	46.7	89	93	70-130	5	20			
Bromodichloromethane	ug/L	<0.00021 mg/L	50	50	48.2	52.0	96	104	70-130	8	20			
Bromoform	ug/L	<0.00043 mg/L	50	50	52.5	57.0	105	114	70-130	8	20			
Bromomethane	ug/L	<0.0012 mg/L	50	50	33.8	37.5	68	75	12-159	10	26			
Carbon tetrachloride	ug/L	<0.00037 mg/L	50	50	50.1	52.8	100	106	70-135	5	20			
Chlorobenzene	ug/L	<0.00086 mg/L	50	50	49.9	52.2	100	104	70-130	5	20			
Chloroethane	ug/L	<0.0014 mg/L	50	50	33.1	34.6	66	69	56-143	4	20			
Chloroform	ug/L	<0.00050 mg/L	50	50	51.7	54.8	103	110	80-126	6	20			
Chloromethane	ug/L	<0.0016 mg/L	50	50	21.2	21.5	42	43	22-156	1	20			
cis-1,2-Dichloroethene	ug/L	0.00096J mg/L	50	50	51.7	53.7	102	105	70-130	4	20			
cis-1,3-Dichloropropene	ug/L	<0.00024 mg/L	50	50	44.7	47.7	89	95	70-130	7	20			
Dibromochloromethane	ug/L	<0.0026 mg/L	50	50	52.1	55.5	104	111	70-130	6	20			
Dichlorodifluoromethane	ug/L	<0.00046 mg/L	50	50	10.8	10.6	22	21	10-147	2	20			
Ethylbenzene	ug/L	<0.00033 mg/L	50	50	47.1	48.3	94	97	80-126	3	20			
Isopropylbenzene (Cumene)	ug/L	<0.0010 mg/L	50	50	50.0	52.3	100	105	70-130	5	20			
m&p-Xylene	ug/L	<0.00070 mg/L	100	100	95.3	98.2	95	98	70-130	3	20			
Methyl-tert-butyl ether	ug/L	<0.0011 mg/L	50	50	44.5	48.4	89	97	64-136	9	20			
Methylene Chloride	ug/L	<0.00032 mg/L	50	50	43.3	44.7	87	89	70-137	3	20			
o-Xylene	ug/L	<0.00035 mg/L	50	50	47.2	48.8	94	98	70-130	3	20			
Styrene	ug/L	<0.00036 mg/L	50	50	50.1	51.7	100	103	70-133	3	20			

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**REPORT OF LABORATORY ANALYSIS**

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### QUALITY CONTROL DATA

Project: 1690023383 BECHER ST

Pace Project No.: 40277273

Parameter	Units	40277295001		2707637		2707638		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Tetrachloroethene	ug/L	<0.00041 mg/L	50	50	52.1	54.9	104	110	70-131	5	20			
Toluene	ug/L	<0.00029 mg/L	50	50	46.4	49.0	93	98	80-121	5	20			
trans-1,2-Dichloroethene	ug/L	<0.00053 mg/L	50	50	50.6	54.9	101	110	70-135	8	20			
trans-1,3-Dichloropropene	ug/L	<0.00027 mg/L	50	50	45.1	48.2	90	96	70-130	7	20			
Trichloroethene	ug/L	<0.00032 mg/L	50	50	48.7	51.9	97	104	70-130	6	20			
Trichlorofluoromethane	ug/L	<0.00042 mg/L	50	50	44.1	46.0	88	92	67-142	4	20			
Vinyl chloride	ug/L	<0.00017 mg/L	50	50	24.9	25.1	50	50	45-147	1	20			
Xylene (Total)	ug/L	<0.0010 mg/L	150	150	142	147	95	98	70-130	3	20			
1,2-Dichlorobenzene-d4 (S)	%						98	97	70-130					
4-Bromofluorobenzene (S)	%						100	97	70-130					
Toluene-d8 (S)	%						98	97	70-130					

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**QUALITY CONTROL DATA**

Project: 1690023383 BECHER ST

Pace Project No.: 40277273

QC Batch: 472907

Analysis Method: EPA 8082A

QC Batch Method: EPA 3510

Analysis Description: 8082A GCS PCB Low Volume

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40277273001

METHOD BLANK: 2708816

Matrix: Water

Associated Lab Samples: 40277273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.11	0.50	04/29/24 13:23	
PCB-1221 (Aroclor 1221)	ug/L	<0.11	0.50	04/29/24 13:23	
PCB-1232 (Aroclor 1232)	ug/L	<0.11	0.50	04/29/24 13:23	
PCB-1242 (Aroclor 1242)	ug/L	<0.11	0.50	04/29/24 13:23	
PCB-1248 (Aroclor 1248)	ug/L	<0.11	0.50	04/29/24 13:23	
PCB-1254 (Aroclor 1254)	ug/L	<0.11	0.50	04/29/24 13:23	
PCB-1260 (Aroclor 1260)	ug/L	<0.11	0.50	04/29/24 13:23	
Decachlorobiphenyl (S)	%	50	10-132	04/29/24 13:23	
Tetrachloro-m-xylene (S)	%	60	41-120	04/29/24 13:23	

LABORATORY CONTROL SAMPLE: 2708817

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L		<0.11			
PCB-1221 (Aroclor 1221)	ug/L		<0.11			
PCB-1232 (Aroclor 1232)	ug/L		<0.11			
PCB-1242 (Aroclor 1242)	ug/L		<0.11			
PCB-1248 (Aroclor 1248)	ug/L		<0.11			
PCB-1254 (Aroclor 1254)	ug/L		<0.11			
PCB-1260 (Aroclor 1260)	ug/L	5	4.5	90	70-120	
Decachlorobiphenyl (S)	%			58	10-132	
Tetrachloro-m-xylene (S)	%			65	41-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2708818 2708819

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40277382001	Spike Conc.	Spike Conc.	Result						
PCB-1016 (Aroclor 1016)	ug/L	<0.00011 mg/L			<0.11	<0.11				20	
PCB-1221 (Aroclor 1221)	ug/L	<0.00011 mg/L			<0.11	<0.11				20	
PCB-1232 (Aroclor 1232)	ug/L	<0.00011 mg/L			<0.11	<0.11				20	
PCB-1242 (Aroclor 1242)	ug/L	<0.00011 mg/L			<0.11	<0.11				20	
PCB-1248 (Aroclor 1248)	ug/L	<0.00011 mg/L			<0.11	<0.11				20	
PCB-1254 (Aroclor 1254)	ug/L	<0.00011 mg/L			<0.11	<0.11				20	

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**QUALITY CONTROL DATA**

Project: 1690023383 BECHER ST

Pace Project No.: 40277273

Parameter	Units	40277382001		2708818		2708819		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
PCB-1260 (Aroclor 1260)	ug/L	<0.00011 mg/L	4.9	4.9	4.3	4.3	88	87	70-120	1	20			
Decachlorobiphenyl (S)	%						85	83	10-132					
Tetrachloro-m-xylene (S)	%						72	71	41-120					

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**QUALITY CONTROL DATA**

Project: 1690023383 BECHER ST

Pace Project No.: 40277273

QC Batch: 472671

Analysis Method: EPA 8270E by SIM

QC Batch Method: EPA 3510

Analysis Description: 8270E Water PAH

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40277273001

METHOD BLANK: 2707107

Matrix: Water

Associated Lab Samples: 40277273001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.018	0.050	04/26/24 13:10	
2-Methylnaphthalene	ug/L	<0.014	0.050	04/26/24 13:10	
Acenaphthene	ug/L	<0.014	0.050	04/26/24 13:10	
Acenaphthylene	ug/L	<0.013	0.050	04/26/24 13:10	
Anthracene	ug/L	<0.018	0.050	04/26/24 13:10	
Benzo(a)anthracene	ug/L	<0.014	0.050	04/26/24 13:10	
Benzo(a)pyrene	ug/L	<0.013	0.050	04/26/24 13:10	
Benzo(b)fluoranthene	ug/L	<0.0091	0.050	04/26/24 13:10	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	04/26/24 13:10	
Benzo(k)fluoranthene	ug/L	<0.022	0.050	04/26/24 13:10	
Chrysene	ug/L	<0.013	0.050	04/26/24 13:10	
Dibenz(a,h)anthracene	ug/L	<0.018	0.050	04/26/24 13:10	
Fluoranthene	ug/L	<0.026	0.050	04/26/24 13:10	
Fluorene	ug/L	<0.024	0.050	04/26/24 13:10	
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	0.050	04/26/24 13:10	
Naphthalene	ug/L	<0.020	0.050	04/26/24 13:10	
Phenanthrene	ug/L	<0.026	0.050	04/26/24 13:10	
Pyrene	ug/L	<0.023	0.050	04/26/24 13:10	
2-Fluorobiphenyl (S)	%	62	38-120	04/26/24 13:10	
Terphenyl-d14 (S)	%	53	47-121	04/26/24 13:10	

LABORATORY CONTROL SAMPLE: 2707108

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	1.5	73	57-120	
2-Methylnaphthalene	ug/L	2	1.4	72	55-120	
Acenaphthene	ug/L	2	1.4	72	60-120	
Acenaphthylene	ug/L	2	1.5	75	58-120	
Anthracene	ug/L	2	1.6	78	58-120	
Benzo(a)anthracene	ug/L	2	1.7	83	51-120	
Benzo(a)pyrene	ug/L	2	1.5	77	59-120	
Benzo(b)fluoranthene	ug/L	2	1.7	84	52-120	
Benzo(g,h,i)perylene	ug/L	2	1.8	88	62-120	
Benzo(k)fluoranthene	ug/L	2	1.6	81	59-120	
Chrysene	ug/L	2	1.6	80	55-125	
Dibenz(a,h)anthracene	ug/L	2	1.7	86	60-120	
Fluoranthene	ug/L	2	1.7	85	62-120	
Fluorene	ug/L	2	1.5	74	61-120	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.7	84	62-120	

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**QUALITY CONTROL DATA**

Project: 1690023383 BECHER ST

Pace Project No.: 40277273

LABORATORY CONTROL SAMPLE: 2707108

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	2	1.5	73	55-120	
Phenanthrene	ug/L	2	1.6	78	55-120	
Pyrene	ug/L	2	1.4	68	53-120	
2-Fluorobiphenyl (S)	%			65	38-120	
Terphenyl-d14 (S)	%			64	47-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2707493 2707494

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40277325003 Result	Spike Conc.	Spike Conc.	MS Result						
1-Methylnaphthalene	ug/L	<0.018	2	2.1	1.3	1.4	66	69	32-120	7	25
2-Methylnaphthalene	ug/L	<0.014	2	2.1	1.3	1.4	65	68	37-120	6	22
Acenaphthene	ug/L	<0.014	2	2.1	1.4	1.5	68	71	52-120	7	20
Acenaphthylene	ug/L	<0.013	2	2.1	1.4	1.5	70	73	49-120	6	20
Anthracene	ug/L	<0.019	2	2.1	1.5	1.6	75	77	45-120	5	25
Benzo(a)anthracene	ug/L	0.084	2	2.1	1.6	1.7	78	81	31-120	6	25
Benzo(a)pyrene	ug/L	0.13	2	2.1	1.7	1.9	79	84	38-120	7	24
Benzo(b)fluoranthene	ug/L	0.25	2	2.1	1.9	2.0	81	86	36-120	7	24
Benzo(g,h,i)perylene	ug/L	0.14	2	2.1	1.8	2.0	85	89	43-120	7	23
Benzo(k)fluoranthene	ug/L	0.099	2	2.1	1.6	1.7	76	80	46-120	8	21
Chrysene	ug/L	0.17	2	2.1	1.7	1.9	77	82	39-143	8	23
Dibenz(a,h)anthracene	ug/L	0.025J	2	2.1	1.7	1.7	82	83	32-125	4	22
Fluoranthene	ug/L	0.32	2	2.1	2.0	2.3	86	95	56-120	11	21
Fluorene	ug/L	<0.024	2	2.1	1.4	1.5	72	74	45-120	6	20
Indeno(1,2,3-cd)pyrene	ug/L	0.14	2	2.1	2.0	2.1	93	95	42-120	5	23
Naphthalene	ug/L	<0.020	2	2.1	1.3	1.4	65	68	50-120	7	23
Phenanthrene	ug/L	0.12	2	2.1	1.6	1.8	75	80	47-120	9	21
Pyrene	ug/L	0.21	2	2.1	1.6	1.8	68	76	47-120	12	23
2-Fluorobiphenyl (S)	%						61	66	38-120		
Terphenyl-d14 (S)	%						62	65	47-121		

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## QUALIFIERS

Project: 1690023383 BECHER ST

Pace Project No.: 40277273

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### DEFINITIONS

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

ND - Not Detected at or above LOD.

J - The reported result is an estimated value.

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.

DL - Adjusted Method Detection Limit.

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 - Analyte was not detected and is reported as less than the LOD or as defined by the customer.

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

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

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

1q This sample was sub-sampled from a 1-liter jar for a 100 ml extraction.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690023383 BECHER ST

Pace Project No.: 40277273

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40277273001	UST PIT GW	EPA 3510	472907	EPA 8082A	472960
40277273001	UST PIT GW	EPA 3010A	472673	EPA 6020B	473005
40277273001	UST PIT GW	EPA 7470	473029	EPA 7470	473104
40277273001	UST PIT GW	EPA 3510	472671	EPA 8270E by SIM	472780
40277273001	UST PIT GW	EPA 8260	472747		

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Client Name: Ramboll

Sample Preservation Receipt Form

Project #

40277273

All containers needing preservation have been checked and noted below.

Yes

No

N/A

Initial when completed: [Signature]

Date/Time:

Lab Lot# of pH paper:

1080134

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	AG5U	AG2S	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T								ZPLC
001	/								/																					X	2.5 / 5
002																															2.5 / 5
003																															2.5 / 5
004																															2.5 / 5
005																															2.5 / 5
006																															2.5 / 5
007																															2.5 / 5
008																															2.5 / 5
009																															2.5 / 5
010																															2.5 / 5
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014																															2.5 / 5
015																															2.5 / 5
016																															2.5 / 5
017																															2.5 / 5
018																															2.5 / 5
019																															2.5 / 5
020																															2.5 / 5

Exceptions to preservation check: VOA, Colform, 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
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
BP2Z	500 mL plastic NaOH + Zn

VG9C	40 mL clear ascorbic w/ HCl
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 1	250 mL amber glass
GN 2	

Unpreserved  
Page 1 of 3

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name:

Ramboll

WO#: 40277273



40277273

Courier:  PS Logistics  Fed Ex  Speedee  UPS  Walco  
 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 - 137 Type of Ice: Wet Blue Dry None  Meltwater Only

Cooler Temperature Uncorr: 1.5 / Corr: 1.5

Temp Blank Present:  yes  no

Biological Tissue is Frozen:  yes  no

Person examining contents:  
 Date: 04/04/24 / Initials: SKC

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Labeled By Initials: YJA

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

Client Notification/ Resolution:

If checked, see attached form for additional comments

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

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

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