

July 09, 2019

Roger Miller  
GEI Consultants, Inc.  
3159 Voyager Drive  
Green Bay, WI 54311

RE: Project: 1902744 P&G MOBIL  
Pace Project No.: 40190169

Dear Roger Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on June 26, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



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

Enclosures

cc: Faith Zangl-Wiese, GEI Consultants, Inc



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 1902744 P&G MOBIL

Pace Project No.: 40190169

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### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 1902744 P&G MOBIL

Pace Project No.: 40190169

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40190169001	SB-6 2'-4'	Solid	06/26/19 12:00	06/26/19 17:10
40190169002	SB-5 2'-4'	Solid	06/26/19 12:30	06/26/19 17:10
40190169003	SB-4A 2'-4'	Solid	06/26/19 13:00	06/26/19 17:10
40190169004	SB-7 S-1 2'-4'	Solid	06/26/19 13:25	06/26/19 17:10
40190169005	SB-7 S-2 10'-12'	Solid	06/26/19 14:15	06/26/19 17:10
40190169006	TRIP BLANK	Solid	06/26/19 00:00	06/26/19 17:10

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 1902744 P&G MOBIL

Pace Project No.: 40190169

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40190169001	SB-6 2'-4'	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40190169002	SB-5 2'-4'	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40190169003	SB-4A 2'-4'	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40190169004	SB-7 S-1 2'-4'	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40190169005	SB-7 S-2 10'-12'	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40190169006	TRIP BLANK	EPA 8260	MDS	64	PASI-G

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## SUMMARY OF DETECTION

Project: 1902744 P&G MOBIL

Pace Project No.: 40190169

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40190169001</b>	<b>SB-6 2'-4'</b>					
ASTM D2974-87	Percent Moisture	7.2	%	0.10	07/08/19 17:18	
<b>40190169002</b>	<b>SB-5 2'-4'</b>					
ASTM D2974-87	Percent Moisture	9.7	%	0.10	07/08/19 17:18	
<b>40190169003</b>	<b>SB-4A 2'-4'</b>					
ASTM D2974-87	Percent Moisture	5.7	%	0.10	07/08/19 17:19	
<b>40190169004</b>	<b>SB-7 S-1 2'-4'</b>					
ASTM D2974-87	Percent Moisture	8.0	%	0.10	07/08/19 17:19	
<b>40190169005</b>	<b>SB-7 S-2 10'-12'</b>					
ASTM D2974-87	Percent Moisture	3.6	%	0.10	07/08/19 17:19	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1902744 P&G MOBIL

Pace Project No.: 40190169

Sample: SB-6 2'-4' Lab ID: 40190169001 Collected: 06/26/19 12:00 Received: 06/26/19 17:10 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							
Benzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	06/28/19 10:30	07/02/19 18:08	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	06/28/19 10:30	07/02/19 18:08	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	06/28/19 10:30	07/02/19 18:08	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	06/28/19 10:30	07/02/19 18:08	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	06/28/19 10:30	07/02/19 18:08	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	100-42-5	W

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 1902744 P&G MOBIL

Pace Project No.: 40190169

**Sample: SB-6 2'-4'**      **Lab ID: 40190169001**      Collected: 06/26/19 12:00      Received: 06/26/19 17:10      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									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	630-20-6	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	06/28/19 10:30	07/02/19 18:08	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/28/19 10:30	07/02/19 18:08	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:08	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	117	%	57-146		1	06/28/19 10:30	07/02/19 18:08	1868-53-7	
Toluene-d8 (S)	111	%	64-134		1	06/28/19 10:30	07/02/19 18:08	2037-26-5	
4-Bromofluorobenzene (S)	111	%	54-126		1	06/28/19 10:30	07/02/19 18:08	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Percent Moisture	7.2	%	0.10	0.10	1		07/08/19 17:18		

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## ANALYTICAL RESULTS

Project: 1902744 P&G MOBIL

Pace Project No.: 40190169

**Sample: SB-5 2'-4'**      **Lab ID: 40190169002**      Collected: 06/26/19 12:30      Received: 06/26/19 17:10      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							
Benzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	06/28/19 10:30	07/02/19 18:31	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	06/28/19 10:30	07/02/19 18:31	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	06/28/19 10:30	07/02/19 18:31	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	06/28/19 10:30	07/02/19 18:31	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	06/28/19 10:30	07/02/19 18:31	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	100-42-5	W

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### ANALYTICAL RESULTS

Project: 1902744 P&G MOBIL

Pace Project No.: 40190169

**Sample: SB-5 2'-4'**      **Lab ID: 40190169002**      Collected: 06/26/19 12:30      Received: 06/26/19 17:10      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									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	06/28/19 10:30	07/02/19 18:31	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/28/19 10:30	07/02/19 18:31	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:31	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	112	%	57-146		1	06/28/19 10:30	07/02/19 18:31	1868-53-7	
Toluene-d8 (S)	107	%	64-134		1	06/28/19 10:30	07/02/19 18:31	2037-26-5	
4-Bromofluorobenzene (S)	106	%	54-126		1	06/28/19 10:30	07/02/19 18:31	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Percent Moisture	9.7	%	0.10	0.10	1		07/08/19 17:18		

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## ANALYTICAL RESULTS

Project: 1902744 P&G MOBIL

Pace Project No.: 40190169

Sample: SB-4A 2'-4' Lab ID: 40190169003 Collected: 06/26/19 13:00 Received: 06/26/19 17:10 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									
Benzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	06/28/19 10:30	07/02/19 18:54	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	06/28/19 10:30	07/02/19 18:54	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	06/28/19 10:30	07/02/19 18:54	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	06/28/19 10:30	07/02/19 18:54	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	06/28/19 10:30	07/02/19 18:54	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	100-42-5	W

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## ANALYTICAL RESULTS

Project: 1902744 P&G MOBIL

Pace Project No.: 40190169

Sample: **SB-4A 2'-4'** Lab ID: **40190169003** Collected: 06/26/19 13:00 Received: 06/26/19 17:10 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							
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	06/28/19 10:30	07/02/19 18:54	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/28/19 10:30	07/02/19 18:54	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 18:54	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	116	%	57-146		1	06/28/19 10:30	07/02/19 18:54	1868-53-7	
Toluene-d8 (S)	108	%	64-134		1	06/28/19 10:30	07/02/19 18:54	2037-26-5	
4-Bromofluorobenzene (S)	108	%	54-126		1	06/28/19 10:30	07/02/19 18:54	460-00-4	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	5.7	%	0.10	0.10	1		07/08/19 17:19		

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## ANALYTICAL RESULTS

Project: 1902744 P&G MOBIL

Pace Project No.: 40190169

Sample: SB-7 S-1 2'-4' Lab ID: 40190169004 Collected: 06/26/19 13:25 Received: 06/26/19 17:10 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									
Benzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	06/28/19 10:30	07/02/19 19:17	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	06/28/19 10:30	07/02/19 19:17	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	06/28/19 10:30	07/02/19 19:17	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	06/28/19 10:30	07/02/19 19:17	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	06/28/19 10:30	07/02/19 19:17	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	100-42-5	W

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### ANALYTICAL RESULTS

Project: 1902744 P&G MOBIL  
Pace Project No.: 40190169

**Sample: SB-7 S-1 2'-4'**      **Lab ID: 40190169004**      Collected: 06/26/19 13:25      Received: 06/26/19 17:10      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									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	06/28/19 10:30	07/02/19 19:17	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/28/19 10:30	07/02/19 19:17	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:17	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	133	%	57-146		1	06/28/19 10:30	07/02/19 19:17	1868-53-7	
Toluene-d8 (S)	125	%	64-134		1	06/28/19 10:30	07/02/19 19:17	2037-26-5	
4-Bromofluorobenzene (S)	125	%	54-126		1	06/28/19 10:30	07/02/19 19:17	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Percent Moisture	<b>8.0</b>	%	0.10	0.10	1		07/08/19 17:19		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 1902744 P&G MOBIL

Pace Project No.: 40190169

Sample: SB-7 S-2 10'-12' Lab ID: 40190169005 Collected: 06/26/19 14:15 Received: 06/26/19 17:10 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									
Benzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	06/28/19 10:30	07/02/19 19:40	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	06/28/19 10:30	07/02/19 19:40	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	06/28/19 10:30	07/02/19 19:40	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	06/28/19 10:30	07/02/19 19:40	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	06/28/19 10:30	07/02/19 19:40	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	100-42-5	W

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 1902744 P&G MOBIL

Pace Project No.: 40190169

**Sample: SB-7 S-2 10'-12'**      **Lab ID: 40190169005**      Collected: 06/26/19 14:15      Received: 06/26/19 17:10      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									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	06/28/19 10:30	07/02/19 19:40	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/28/19 10:30	07/02/19 19:40	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 19:40	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	113	%	57-146		1	06/28/19 10:30	07/02/19 19:40	1868-53-7	
Toluene-d8 (S)	106	%	64-134		1	06/28/19 10:30	07/02/19 19:40	2037-26-5	
4-Bromofluorobenzene (S)	107	%	54-126		1	06/28/19 10:30	07/02/19 19:40	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Percent Moisture	3.6	%	0.10	0.10	1		07/08/19 17:19		

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## ANALYTICAL RESULTS

Project: 1902744 P&G MOBIL

Pace Project No.: 40190169

**Sample: TRIP BLANK**      **Lab ID: 40190169006**      Collected: 06/26/19 00:00      Received: 06/26/19 17:10      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									
Benzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	06/28/19 10:30	07/02/19 11:46	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	06/28/19 10:30	07/02/19 11:46	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	06/28/19 10:30	07/02/19 11:46	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	06/28/19 10:30	07/02/19 11:46	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	06/28/19 10:30	07/02/19 11:46	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	100-42-5	W

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### ANALYTICAL RESULTS

Project: 1902744 P&G MOBIL

Pace Project No.: 40190169

**Sample: TRIP BLANK**      **Lab ID: 40190169006**      Collected: 06/26/19 00:00      Received: 06/26/19 17:10      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									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	630-20-6	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	06/28/19 10:30	07/02/19 11:46	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/28/19 10:30	07/02/19 11:46	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/28/19 10:30	07/02/19 11:46	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	100	%	57-146		1	06/28/19 10:30	07/02/19 11:46	1868-53-7	
Toluene-d8 (S)	92	%	64-134		1	06/28/19 10:30	07/02/19 11:46	2037-26-5	
4-Bromofluorobenzene (S)	101	%	54-126		1	06/28/19 10:30	07/02/19 11:46	460-00-4	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 1902744 P&G MOBIL  
Pace Project No.: 40190169

QC Batch: 326080 Analysis Method: EPA 8260  
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List  
Associated Lab Samples: 40190169001, 40190169002, 40190169003, 40190169004, 40190169005, 40190169006

METHOD BLANK: 1893289 Matrix: Solid  
Associated Lab Samples: 40190169001, 40190169002, 40190169003, 40190169004, 40190169005, 40190169006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	07/02/19 10:13	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	07/02/19 10:13	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	07/02/19 10:13	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	07/02/19 10:13	
1,1-Dichloroethane	ug/kg	<17.6	50.0	07/02/19 10:13	
1,1-Dichloroethene	ug/kg	<17.6	50.0	07/02/19 10:13	
1,1-Dichloropropene	ug/kg	<14.0	50.0	07/02/19 10:13	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	07/02/19 10:13	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	07/02/19 10:13	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	07/02/19 10:13	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	07/02/19 10:13	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	07/02/19 10:13	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	07/02/19 10:13	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	07/02/19 10:13	
1,2-Dichloroethane	ug/kg	<15.0	50.0	07/02/19 10:13	
1,2-Dichloropropane	ug/kg	<16.8	50.0	07/02/19 10:13	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	07/02/19 10:13	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	07/02/19 10:13	
1,3-Dichloropropane	ug/kg	<12.0	50.0	07/02/19 10:13	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	07/02/19 10:13	
2,2-Dichloropropane	ug/kg	<12.6	50.0	07/02/19 10:13	
2-Chlorotoluene	ug/kg	<15.8	50.0	07/02/19 10:13	
4-Chlorotoluene	ug/kg	<13.0	50.0	07/02/19 10:13	
Benzene	ug/kg	<9.2	20.0	07/02/19 10:13	
Bromobenzene	ug/kg	<20.6	50.0	07/02/19 10:13	
Bromochloromethane	ug/kg	<21.4	50.0	07/02/19 10:13	
Bromodichloromethane	ug/kg	<9.8	50.0	07/02/19 10:13	
Bromoform	ug/kg	<19.8	50.0	07/02/19 10:13	
Bromomethane	ug/kg	<69.9	250	07/02/19 10:13	
Carbon tetrachloride	ug/kg	<12.1	50.0	07/02/19 10:13	
Chlorobenzene	ug/kg	<14.8	50.0	07/02/19 10:13	
Chloroethane	ug/kg	<67.0	250	07/02/19 10:13	
Chloroform	ug/kg	<46.4	250	07/02/19 10:13	
Chloromethane	ug/kg	<20.4	50.0	07/02/19 10:13	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	07/02/19 10:13	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	07/02/19 10:13	
Dibromochloromethane	ug/kg	<17.9	50.0	07/02/19 10:13	
Dibromomethane	ug/kg	<19.3	50.0	07/02/19 10:13	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	07/02/19 10:13	
Diisopropyl ether	ug/kg	<17.7	50.0	07/02/19 10:13	
Ethylbenzene	ug/kg	<12.4	50.0	07/02/19 10:13	

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### QUALITY CONTROL DATA

Project: 1902744 P&G MOBIL  
Pace Project No.: 40190169

METHOD BLANK: 1893289 Matrix: Solid  
Associated Lab Samples: 40190169001, 40190169002, 40190169003, 40190169004, 40190169005, 40190169006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	07/02/19 10:13	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	07/02/19 10:13	
m&p-Xylene	ug/kg	<34.4	100	07/02/19 10:13	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	07/02/19 10:13	
Methylene Chloride	ug/kg	<16.2	50.0	07/02/19 10:13	
n-Butylbenzene	ug/kg	<10.5	50.0	07/02/19 10:13	
n-Propylbenzene	ug/kg	<11.6	50.0	07/02/19 10:13	
Naphthalene	ug/kg	<40.0	250	07/02/19 10:13	
o-Xylene	ug/kg	<14.0	50.0	07/02/19 10:13	
p-Isopropyltoluene	ug/kg	<12.0	50.0	07/02/19 10:13	
sec-Butylbenzene	ug/kg	<11.9	50.0	07/02/19 10:13	
Styrene	ug/kg	<9.0	50.0	07/02/19 10:13	
tert-Butylbenzene	ug/kg	<9.5	50.0	07/02/19 10:13	
Tetrachloroethene	ug/kg	<12.9	50.0	07/02/19 10:13	
Toluene	ug/kg	<11.2	50.0	07/02/19 10:13	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	07/02/19 10:13	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	07/02/19 10:13	
Trichloroethene	ug/kg	<23.6	50.0	07/02/19 10:13	
Trichlorofluoromethane	ug/kg	<24.7	50.0	07/02/19 10:13	
Vinyl chloride	ug/kg	<21.1	50.0	07/02/19 10:13	
4-Bromofluorobenzene (S)	%	79	54-126	07/02/19 10:13	
Dibromofluoromethane (S)	%	87	57-146	07/02/19 10:13	
Toluene-d8 (S)	%	79	64-134	07/02/19 10:13	

LABORATORY CONTROL SAMPLE: 1893290

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2510	100	70-132	
1,1,2,2-Tetrachloroethane	ug/kg	2500	3170	127	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2830	113	70-130	
1,1-Dichloroethane	ug/kg	2500	2550	102	70-130	
1,1-Dichloroethene	ug/kg	2500	2830	113	77-126	
1,2,4-Trichlorobenzene	ug/kg	2500	1850	74	66-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2230	89	54-129	
1,2-Dibromoethane (EDB)	ug/kg	2500	2670	107	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2530	101	70-130	
1,2-Dichloroethane	ug/kg	2500	2870	115	70-134	
1,2-Dichloropropane	ug/kg	2500	2520	101	74-124	
1,3-Dichlorobenzene	ug/kg	2500	2590	104	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2510	101	70-130	
Benzene	ug/kg	2500	2770	111	70-130	
Bromodichloromethane	ug/kg	2500	2710	109	70-130	
Bromoform	ug/kg	2500	2850	114	47-115	
Bromomethane	ug/kg	2500	2760	111	64-165	

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### QUALITY CONTROL DATA

Project: 1902744 P&G MOBIL

Pace Project No.: 40190169

LABORATORY CONTROL SAMPLE: 1893290

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2190	88	70-131	
Chlorobenzene	ug/kg	2500	2730	109	70-130	
Chloroethane	ug/kg	2500	2940	118	28-197	
Chloroform	ug/kg	2500	2730	109	80-131	
Chloromethane	ug/kg	2500	1860	74	45-118	
cis-1,2-Dichloroethene	ug/kg	2500	2570	103	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2420	97	70-130	
Dibromochloromethane	ug/kg	2500	2590	104	70-130	
Dichlorodifluoromethane	ug/kg	2500	1420	57	38-108	
Ethylbenzene	ug/kg	2500	2620	105	82-122	
Isopropylbenzene (Cumene)	ug/kg	2500	2590	103	70-130	
m&p-Xylene	ug/kg	5000	5260	105	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2930	117	70-130	
Methylene Chloride	ug/kg	2500	3140	126	70-130	
o-Xylene	ug/kg	2500	2550	102	70-130	
Styrene	ug/kg	2500	2870	115	70-130	
Tetrachloroethene	ug/kg	2500	2160	87	70-130	
Toluene	ug/kg	2500	2590	103	80-121	
trans-1,2-Dichloroethene	ug/kg	2500	2740	110	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2550	102	70-130	
Trichloroethene	ug/kg	2500	2520	101	70-130	
Trichlorofluoromethane	ug/kg	2500	2920	117	81-141	
Vinyl chloride	ug/kg	2500	2190	88	68-121	
4-Bromofluorobenzene (S)	%			118	54-126	
Dibromofluoromethane (S)	%			111	57-146	
Toluene-d8 (S)	%			105	64-134	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1893291 1893292

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40190250009	Result	Spike Conc.	Spike Conc.								
1,1,1-Trichloroethane	ug/kg	<25.0	1260	1250	1320	1290	105	103	64-132	3	20		
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1260	1250	1860	1700	148	136	70-132	9	20	M1	
1,1,2-Trichloroethane	ug/kg	<25.0	1260	1250	1530	1450	122	116	70-130	5	20		
1,1-Dichloroethane	ug/kg	<25.0	1260	1250	1380	1340	110	107	70-130	3	20		
1,1-Dichloroethene	ug/kg	<25.0	1260	1250	1530	1490	122	119	65-126	3	21		
1,2,4-Trichlorobenzene	ug/kg	<47.6	1260	1250	1030	954	82	76	66-139	7	20		
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1260	1250	1270	1150	101	92	47-146	10	23		
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1260	1250	1410	1340	112	107	70-130	5	20		
1,2-Dichlorobenzene	ug/kg	<25.0	1260	1250	1450	1310	115	105	70-130	10	20		
1,2-Dichloroethane	ug/kg	<25.0	1260	1250	1560	1500	124	120	70-136	4	20		
1,2-Dichloropropane	ug/kg	305	1260	1250	1710	1650	112	108	74-124	4	20		
1,3-Dichlorobenzene	ug/kg	<25.0	1260	1250	1380	1290	110	103	70-130	7	20		
1,4-Dichlorobenzene	ug/kg	<25.0	1260	1250	1440	1360	115	109	70-130	6	20		

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**QUALITY CONTROL DATA**

Project: 1902744 P&G MOBIL  
Pace Project No.: 40190169

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1893291 1893292												
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40190250009 Result	Spike Conc.	Spike Conc.	MS Result							
Benzene	ug/kg	<25.0	1260	1250	1520	1440	121	116	70-130	5	20	
Bromodichloromethane	ug/kg	<25.0	1260	1250	1460	1350	116	108	70-130	8	20	
Bromoform	ug/kg	<25.0	1260	1250	1430	1330	114	107	47-129	7	20	
Bromomethane	ug/kg	<69.9	1260	1250	1520	1430	121	115	41-180	6	20	
Carbon tetrachloride	ug/kg	<25.0	1260	1250	1220	1160	97	92	58-133	5	20	
Chlorobenzene	ug/kg	<25.0	1260	1250	1460	1400	116	112	70-130	4	20	
Chloroethane	ug/kg	<67.0	1260	1250	1620	1600	129	128	28-197	1	20	
Chloroform	ug/kg	<46.4	1260	1250	1450	1430	115	114	80-131	1	20	
Chloromethane	ug/kg	<25.0	1260	1250	1080	1040	86	83	26-118	4	20	
cis-1,2-Dichloroethene	ug/kg	<25.0	1260	1250	1390	1360	111	109	70-130	2	20	
cis-1,3-Dichloropropene	ug/kg	<25.0	1260	1250	1180	1140	94	91	70-130	3	20	
Dibromochloromethane	ug/kg	<25.0	1260	1250	1320	1310	105	105	67-130	1	20	
Dichlorodifluoromethane	ug/kg	<25.0	1260	1250	826	720	66	58	12-108	14	29	
Ethylbenzene	ug/kg	<25.0	1260	1250	1340	1290	107	103	80-122	4	20	
Isopropylbenzene (Cumene)	ug/kg	<25.0	1260	1250	1310	1270	104	102	70-130	3	20	
m&p-Xylene	ug/kg	<50.0	2510	2500	2730	2600	109	104	70-130	5	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1260	1250	1620	1550	129	124	70-130	5	20	
Methylene Chloride	ug/kg	<25.0	1260	1250	1760	1690	140	135	70-130	4	20	M1
o-Xylene	ug/kg	<25.0	1260	1250	1340	1310	106	105	70-130	2	20	
Styrene	ug/kg	<25.0	1260	1250	1460	1420	116	113	70-130	3	20	
Tetrachloroethene	ug/kg	<25.0	1260	1250	1140	1100	91	88	70-130	4	20	
Toluene	ug/kg	<25.0	1260	1250	1390	1320	110	106	80-121	5	20	
trans-1,2-Dichloroethene	ug/kg	<25.0	1260	1250	1490	1440	119	115	70-130	4	20	
trans-1,3-Dichloropropene	ug/kg	<25.0	1260	1250	1140	1140	91	92	70-130	0	20	
Trichloroethene	ug/kg	<25.0	1260	1250	1370	1320	109	105	70-130	4	20	
Trichlorofluoromethane	ug/kg	<25.0	1260	1250	1530	1480	122	118	60-141	4	26	
Vinyl chloride	ug/kg	<25.0	1260	1250	1180	1180	94	94	46-121	0	20	
4-Bromofluorobenzene (S)	%						124	117	54-126			
Dibromofluoromethane (S)	%						119	116	57-146			
Toluene-d8 (S)	%						114	111	64-134			

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**QUALITY CONTROL DATA**

Project: 1902744 P&G MOBIL

Pace Project No.: 40190169

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QC Batch:	326819	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40190169001, 40190169002, 40190169003, 40190169004, 40190169005		

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SAMPLE DUPLICATE: 1897720

Parameter	Units	40190167001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.3	17.8	3	10	

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## QUALIFIERS

Project: 1902744 P&G MOBIL

Pace Project No.: 40190169

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### ANALYTE QUALIFIERS

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

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

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1902744 P&G MOBIL

Pace Project No.: 40190169

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40190169001	SB-6 2'-4'	EPA 5035/5030B	326080	EPA 8260	326081
40190169002	SB-5 2'-4'	EPA 5035/5030B	326080	EPA 8260	326081
40190169003	SB-4A 2'-4'	EPA 5035/5030B	326080	EPA 8260	326081
40190169004	SB-7 S-1 2'-4'	EPA 5035/5030B	326080	EPA 8260	326081
40190169005	SB-7 S-2 10'-12'	EPA 5035/5030B	326080	EPA 8260	326081
40190169006	TRIP BLANK	EPA 5035/5030B	326080	EPA 8260	326081
40190169001	SB-6 2'-4'	ASTM D2974-87	326819		
40190169002	SB-5 2'-4'	ASTM D2974-87	326819		
40190169003	SB-4A 2'-4'	ASTM D2974-87	326819		
40190169004	SB-7 S-1 2'-4'	ASTM D2974-87	326819		
40190169005	SB-7 S-2 10'-12'	ASTM D2974-87	326819		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



(Please Print Clearly)

Company Name: **GEI Consultants**  
 Branch/Location: **Green Bay, WI**  
 Project Contact: **Roger Miller**  
 Phone: **(920) 455-8659**  
 Project Number: **1902744**  
 Project Name: **D+G Mobil**  
 Project State: **WI**  
 Sampled By (Print): **Faith M. Zangl-Wills**  
 Sampled By (Sign): *[Signature]*  
 PO #:  
 Regulatory Program:



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

40190169

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### CHAIN OF CUSTODY

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

FILTERED?  
(YES/NO)  
 PRESERVATION  
(CODE)\*

Y/N	N	N																
Pick Letter	F	A																
Analyses Requested	VOCS	1. Moisture																

Quote #:   
 Mail To Contact:   
 Mail To Company:   
 Mail To Address:   
 Invoice To Contact:   
 Invoice To Company:   
 Invoice To Address:   
 Invoice To Phone:   
 CLIENT COMMENTS:   
 LAB COMMENTS (Lab Use Only):   
 Profile #:

**Data Package Options** (billable)  
 EPA Level III  
 EPA Level IV

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Y/N	N	N												
		DATE	TIME																
001	SB-6 2'-4'	6/26	12:00	S	X	X													
002	SB-5 2'-4'	6/26	12:30	S	X	X													
003	SB-4A 2'-4'	6/26	13:00	S	X	X													
004	SB-7 S-1 2'-4'	6/26	13:25	S	X	X													
005	SB-7 S-2 10-12	6/26	14:15	S	X	X													
006	<del>SB-7 S-2 10-12</del> Trip																		

Trip Blank added in lab 6/26/19 JW

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)  
 Date Needed:   
 Relinquished By: *[Signature]* Date/Time: 6/24/19 17:10  
 Received By: *[Signature]* Date/Time: 6/24/19 17:10  
 PACE Project No. 40190169  
 Receipt Temp = *Rest* °C  
 Sample Receipt pH OK / Adjusted  
 Cooler Custody Seal Present / Not Present Intact / Not Intact

# Sample Preservation Receipt Form

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

Client Name: GEI

Project # 40190169

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

Lab Lot# of pH paper:

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

Initial when completed:


Date/Time:

Pace Lab #	Glass						Plastic						Vials					Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤	pH after adjusted	Volume (mL)						
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU								SP5T	ZPLC	GN			
001																																				2.5 / 5 / 10
002																																				2.5 / 5 / 10
003																																				2.5 / 5 / 10
004																																				2.5 / 5 / 10
005																																				2.5 / 5 / 10
006																																				2.5 / 5 / 10
007																																				2.5 / 5 / 10
008																																				2.5 / 5 / 10
009																																				2.5 / 5 / 10
010																																				2.5 / 5 / 10
011																																				2.5 / 5 / 10
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018																																				2.5 / 5 / 10
019																																				2.5 / 5 / 10
020																																				2.5 / 5 / 10


GEI  
 6/26/2019  
 J

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	DG9A 40 mL amber ascorbic	JGFU 4 oz amber jar unpres
AG1H 1 liter amber glass HCL	BP2N 500 mL plastic HNO3	DG9T 40 mL amber Na Thio	WGFU 4 oz clear jar unpres
AG4S 125 mL amber glass H2SO4	BP2Z 500 mL plastic NaOH, Znact	VG9U 40 mL clear vial unpres	WPFU 4 oz plastic jar unpres
AG4U 120 mL amber glass unpres	BP3U 250 mL plastic unpres	VG9H 40 mL clear vial HCL	
AG5U 100 mL amber glass unpres	BP3B 250 mL plastic NaOH	VG9M 40 mL clear vial MeOH	SP5T 120 mL plastic Na Thiosulfate
AG2S 500 mL amber glass H2SO4	BP3N 250 mL plastic HNO3	VG9D 40 mL clear vial DI	ZPLC ziploc bag
BG3U 250 mL clear glass unpres	BP3S 250 mL plastic H2SO4		GN:

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

### Sample Condition Upon Receipt Form (SCUR)

Client Name: GET Project #: \_\_\_\_\_  
 Courier:  CS Logistics  Fed Ex  Speedee  UPS  Walto  
 Client  Pace Other: \_\_\_\_\_  
 Tracking #: \_\_\_\_\_  
**WO#: 40190169**  
  
 40190169

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 - MA Type of Ice:  Wet  Blue  Dry  None  Samples on ice, cooling process has begun  
 Cooler Temperature Uncorr: ROT /Corr: \_\_\_\_\_

Temp Blank Present:  yes  no Biological Tissue is Frozen:  yes  no  
 Temp should be above freezing to 6°C. Biota Samples may be received at ≤ 0°C.  
 Person examining contents:  
 Date: 6/26/2019  
 Initials: JV

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>NO page #, mail or invoice</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>6/26/19</u>
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4. <u>JV</u>
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>Times rubbed off</u>
-Includes date/time/ID/Analysis Matrix:		<u>6/26/2019</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <u>6/26/2019</u>
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<u>JV</u>
Pace Trip Blank Lot # (if purchased):		<u>added in lab 6/26/2019</u>

**Client Notification/ Resolution:** \_\_\_\_\_ If checked, see attached form for additional comments   
 Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Comments/ Resolution: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Project Manager Review: [Signature] Date: 6/27/19  
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