

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG042024 SAS No.: BG042024 SDG No.: BG042024

Instrument ID: BNA_G Calibration Date/Time: 4/20/2024 1:19:41

Lab File ID: BG060975.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s): _____

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.951	0.943		-0.841	
Pyridine	1.058	1.027		-2.93	
2-Fluorophenol	0.989	0.958		-3.134	
Benzaldehyde	0.755	0.706		-6.49	
Aniline	1.763	1.743		-1.134	
Phenol-d6	1.467	1.467		0.0	
Phenol	1.458	1.447		-0.754	20.0
bis(2-Chloroethyl) ether	1.043	1.007		-3.452	
2-Chlorophenol	1.232	1.178		-4.383	
1,2-Dichlorobenzene	1.375	1.342		-2.4	
1,3-Dichlorobenzene	1.366	1.315		-3.734	
1,4-Dichlorobenzene	1.407	1.364		-3.056	20.0
Benzyl Alcohol	1.385	1.347		-2.744	
2-Methylphenol	1.177	1.174		-0.255	
2,2-oxybis(1-Chloropropane)	2.270	2.213		-2.511	
Acetophenone	0.558	0.521		-6.631	
3+4-Methylphenols	1.646	1.588		-3.524	
n-Nitroso-di-n-propylamine	1.093	1.050	0.050	-3.934	
Nitrobenzene-d5	0.445	0.422		-5.169	
Hexachloroethane	0.507	0.506		-0.197	
Nitrobenzene	0.428	0.407		-4.907	
Isophorone	0.745	0.704		-5.503	
2-Nitrophenol	0.201	0.192		-4.478	20.0
2,4-Dimethylphenol	0.322	0.296		-8.075	
bis(2-Chloroethoxy) methane	0.392	0.360		-8.163	
2,4-Dichlorophenol	0.372	0.350		-5.914	20.0
1,2,4-Trichlorobenzene	0.410	0.386		-5.854	
Benzoic acid	0.246	0.243		-1.22	
Naphthalene	1.095	1.023		-6.575	
4-Chloroaniline	0.497	0.469		-5.634	
Hexachlorobutadiene	0.361	0.338		-6.371	20.0
Caprolactam	0.118	0.119		0.847	
4-Chloro-3-methylphenol	0.434	0.410		-5.53	20.0
2-Methylnaphthalene	0.861	0.823		-4.413	
Hexachlorocyclopentadiene	0.418	0.412	0.050	-1.435	
2,4,6-Trichlorophenol	0.467	0.447		-4.283	20.0
2-Fluorobiphenyl	1.445	1.390		-3.806	
2,4,5-Trichlorophenol	0.553	0.524		-5.244	
1,1-Biphenyl	1.347	1.298		-3.638	

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Lab File ID: BG060975.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s): _____

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.033	0.987		-4.453	
2-Nitroaniline	0.417	0.393		-5.755	
Dimethylphthalate	1.649	1.572		-4.669	
Acenaphthylene	1.740	1.689		-2.931	
2,6-Dinitrotoluene	0.344	0.333		-3.198	
3-Nitroaniline	0.339	0.315		-7.08	
Acenaphthene	1.057	1.043		-1.325	20.0
2,4-Dinitrophenol	0.191	0.190	0.050	-0.524	
4-Nitrophenol	0.243	0.241	0.050	-0.823	
Dibenzofuran	1.825	1.746		-4.329	
2,4-Dinitrotoluene	0.496	0.481		-3.024	
Diethylphthalate	1.624	1.537		-5.357	
4-Chlorophenyl-phenylether	0.950	0.899		-5.368	
Fluorene	1.541	1.449		-5.97	
4-Nitroaniline	0.366	0.348		-4.918	
4,6-Dinitro-2-methylphenol	0.123	0.122		-0.813	
n-Nitrosodiphenylamine	0.551	0.526		-4.537	20.0
Azobenzene	1.321	1.241		-6.056	
2,4,6-Tribromophenol	0.439	0.419		-4.556	
4-Bromophenyl-phenylether	0.264	0.250		-5.303	
Hexachlorobenzene	0.292	0.282		-3.425	
Atrazine	0.206	0.203		-1.456	
Pentachlorophenol	0.191	0.191		0.0	20.0
Phenanthrene	1.021	0.964		-5.583	
Anthracene	1.051	1.005		-4.377	
Carbazole	0.873	0.830		-4.926	
Di-n-butylphthalate	1.060	1.006		-5.094	
Fluoranthene	1.355	1.282		-5.387	20.0
Benzidine	0.371	0.399		7.547	
Pyrene	1.362	1.295		-4.919	
Terphenyl-d14	1.288	1.223		-5.047	
Butylbenzylphthalate	0.454	0.433		-4.626	
3,3-Dichlorobenzidine	0.508	0.485		-4.528	
Benzo(a)anthracene	1.406	1.335		-5.05	
Chrysene	1.339	1.265		-5.527	
Bis(2-ethylhexyl)phthalate	0.660	0.622		-5.758	
Di-n-octyl phthalate	1.096	1.039		-5.201	20.0
Benzo(b)fluoranthene	1.133	1.092		-3.619	
Benzo(k)fluoranthene	1.144	1.094		-4.371	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BG042024 SAS No.: BG042024 SDG No.: BG042024
 Instrument ID: BNA_G Calibration Date/Time: 4/20/2024 1:19:41
 Lab File ID: BG060975.D Init. Calib. Date(s): _____
 EPA Sample No.: SSTDICCC040 Init. Calib. Time(s): _____
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.097	1.053		-4.011	20.0
Indeno(1,2,3-cd)pyrene	1.387	1.342		-3.244	
Dibenzo(a,h)anthracene	1.134	1.122		-1.058	
Benzo(g,h,i)perylene	1.124	1.079		-4.004	
1,2,4,5-Tetrachlorobenzene	0.711	0.694		-2.391	
1,4-Dioxane	0.342	0.338		-1.17	20.0
2,3,4,6-Tetrachlorophenol	0.558	0.533		-4.48	
1-Methylnaphthalene	0.803	0.776		-3.362	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBG042024			SDG No.:	BG042024		
Lab Sample ID:	SSTDICV040			Matrix:	Water		
Analytical Method:	8270E			% Moisture:	100		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :		Decanted :		Level :	LOW		
Injection Volume :		GPC Factor :		GPC Cleanup :		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060979.D	1		4/20/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	37900		1000	8000	10000	ug/L
110-86-1	Pyridine	38400		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	39300		4000	8000	10000	ug/L
62-53-3	Aniline	38300		1600	4000	5000	ug/L
108-95-2	Phenol	38800		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	38500		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	38000		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	37800		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	38000		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	37400		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	39100		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	38700		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	37500		1400	4000	5000	ug/L
98-86-2	Acetophenone	39100		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	38600		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	39300		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	36400		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	38400		1300	4000	5000	ug/L
78-59-1	Isophorone	38800		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	37800		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	38400		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	38500		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	38500		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	38400		1100	4000	5000	ug/L
65-85-0	Benzoic acid	42400		5500	8000	10000	ug/L
91-20-3	Naphthalene	38100		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	39400		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	38500		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBG042024			SDG No.:	BG042024		
Lab Sample ID:	SSTDICV040			Matrix:	Water		
Analytical Method:	8270E			% Moisture:	100		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :				Decanted :			
Injection Volume :				Level :	LOW		
	GPC Factor :			GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060979.D	1		4/20/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	40100		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	38100		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	39900		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	37100		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	39300		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	39300		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	39000		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	38500		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	39100		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	38200		930	4000	5000	ug/L
208-96-8	Acenaphthylene	38400		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	38100		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	37600		1400	4000	5000	ug/L
83-32-9	Acenaphthene	38300		810	4000	5000	ug/L
Total PAH	Total PAH	611700		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	38600		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	38600		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	38300		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	39500		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	77600		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	38600		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	38100		980	4000	5000	ug/L
86-73-7	Fluorene	38200		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	37700		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	38400		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	38600		890	4000	5000	ug/L
103-33-3	Azobenzene	38300		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	38800		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	38100		1100	4000	5000	ug/L
1912-24-9	Atrazine	39400		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBG042024			SDG No.:	BG042024		
Lab Sample ID:	SSTDICV040			Matrix:	Water		
Analytical Method:	8270E			% Moisture:	100		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :	Decanted :			Level :	LOW		
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060979.D	1		4/20/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	39600		1900	8000	10000	ug/L
85-01-8	Phenanthrene	38300		890	4000	5000	ug/L
120-12-7	Anthracene	38000		1100	4000	5000	ug/L
86-74-8	Carbazole	37600		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	38100		1500	4000	5000	ug/L
206-44-0	Fluoranthene	37800		1300	4000	5000	ug/L
92-87-5	Benzidine	40400		4100	8000	10000	ug/L
129-00-0	Pyrene	38100		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	38900		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	38800		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	38800		940	4000	5000	ug/L
218-01-9	Chrysene	38200		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	38000		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	38500		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	38100		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	37500		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	38200		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	38600		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	38800		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	38300		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	38500		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	38200		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	37400		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	39700		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	76648	*	10-139		51099	SPK: -150
13127-88-3	Phenol-d6	77904	*	10-134		51936	SPK: -150
4165-60-0	Nitrobenzene-d5	78111	*	49-133		78111	SPK: -100
321-60-8	2-Fluorobiphenyl	77427	*	52-132		77427	SPK: -100

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBG042024	SDG No.:	BG042024
Lab Sample ID:	SSTDICV040	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060979.D	1		4/20/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	77445	*	32-145		51630	SPK: -150
1718-51-0	Terphenyl-d14	76257	*	36-145		76257	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	20765	7.941				
1146-65-2	Naphthalene-d8	80002	10.738				
15067-26-2	Acenaphthene-d10	73749	14.569				
1517-22-2	Phenanthrene-d10	191966	17.319				
1719-03-5	Chrysene-d12	194023	21.578				
1520-96-3	Perylene-d12	233639	24.698				

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	PB160321TB	SDG No.:	BG042024
Lab Sample ID:	PB160321TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060980.D	1	4/18/2024 12:00:00 AM	4/20/2024 12:00:00 AM	PB160349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	PB160321TB	SDG No.:	BG042024
Lab Sample ID:	PB160321TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060980.D	1	4/18/2024 12:00:00 AM	4/20/2024 12:00:00 AM	PB160349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	PB160321TB	SDG No.:	BG042024
Lab Sample ID:	PB160321TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060980.D	1	4/18/2024 12:00:00 AM	4/20/2024 12:00:00 AM	PB160349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	133.979		10-139		89	SPK: -150
13127-88-3	Phenol-d6	128.674		10-134		86	SPK: -150
4165-60-0	Nitrobenzene-d5	81.712		49-133		82	SPK: -100
321-60-8	2-Fluorobiphenyl	80.856		52-132		81	SPK: -100

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	PB160321TB	SDG No.:	BG042024
Lab Sample ID:	PB160321TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060980.D	1	4/18/2024 12:00:00 AM	4/20/2024 12:00:00 AM	PB160349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	133.155		32-145		89	SPK: -150
1718-51-0	Terphenyl-d14	81.671		36-145		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	17667	7.934				
1146-65-2	Naphthalene-d8	63749	10.731				
15067-26-2	Acenaphthene-d10	60519	14.568				
1517-22-2	Phenanthrene-d10	174334	17.318				
1719-03-5	Chrysene-d12	194108	21.571				
1520-96-3	Perylene-d12	222528	24.697				

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	PB160349BS	SDG No.:	BG042024
Lab Sample ID:	PB160349BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060981.D	1	4/18/2024 12:00:00 AM	4/21/2024 12:00:00 AM	PB160349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	41.7		1	8	10	ug/L
110-86-1	Pyridine	33.3		1.6	4	5	ug/L
100-52-7	Benzaldehyde	4.5	J	4	8	10	ug/L
62-53-3	Aniline	28.1		1.6	4	5	ug/L
108-95-2	Phenol	49.6		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	45		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	50.6		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	46.8		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	46.5		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	46.2		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	45.5		1.6	8	10	ug/L
95-48-7	2-Methylphenol	43.8		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	45.9		1.4	4	5	ug/L
98-86-2	Acetophenone	45.4		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	43.6		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	43.1		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	45.3		1	4	5	ug/L
98-95-3	Nitrobenzene	43.8		1.3	4	5	ug/L
78-59-1	Isophorone	43.1		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	47.6		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	37.6		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.2		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	46.9		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	46.5		1.1	4	5	ug/L
65-85-0	Benzoic acid	47.2		5.5	8	10	ug/L
91-20-3	Naphthalene	44.4		1	4	5	ug/L
106-47-8	4-Chloroaniline	18.3		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	44.4		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	PB160349BS	SDG No.:	BG042024
Lab Sample ID:	PB160349BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060981.D	1	4/18/2024 12:00:00 AM	4/21/2024 12:00:00 AM	PB160349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	47.5		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	45.4		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	43.1		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	99.5	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	46.1		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	43.3		1	4	5	ug/L
92-52-4	1,1-Biphenyl	44.7		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	45.6		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	44		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	43		0.93	4	5	ug/L
208-96-8	Acenaphthylene	46.7		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	43.6		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	27.2		1.4	4	5	ug/L
83-32-9	Acenaphthene	43.3		0.81	4	5	ug/L
Total PAH	Total PAH	731.3		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	93.7	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	100	E	2	8	10	ug/L
132-64-9	Dibenzofuran	44.1		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.5		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	45.9		1.5	4	5	ug/L
84-66-2	Diethylphthalate	44		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	42.3		0.98	4	5	ug/L
86-73-7	Fluorene	43.5		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	43.8		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	47.5		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	44.4		0.89	4	5	ug/L
103-33-3	Azobenzene	43.5		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	43.8		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	48		1.1	4	5	ug/L
1912-24-9	Atrazine	53.3		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	PB160349BS	SDG No.:	BG042024
Lab Sample ID:	PB160349BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060981.D	1	4/18/2024 12:00:00 AM	4/21/2024 12:00:00 AM	PB160349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	97.7	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	45.4		0.89	4	5	ug/L
120-12-7	Anthracene	45.1		1.1	4	5	ug/L
86-74-8	Carbazole	47.1		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	46.1		1.5	4	5	ug/L
206-44-0	Fluoranthene	46.3		1.3	4	5	ug/L
92-87-5	Benzidine	43.6		4.1	8	10	ug/L
129-00-0	Pyrene	43.8		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	43.8		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	33.6		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	46.3		0.94	4	5	ug/L
218-01-9	Chrysene	44.6		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	43.9		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	45.2		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	48.2		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	46.1		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	45.6		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	48.7		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	48.5		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	44.8		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	45.2		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	34.8		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	46		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	43.2		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	155.818		10-139		104	SPK: -150
13127-88-3	Phenol-d6	144.637		10-134		96	SPK: -150
4165-60-0	Nitrobenzene-d5	88.345		49-133		88	SPK: -100
321-60-8	2-Fluorobiphenyl	86.745		52-132		87	SPK: -100

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	PB160349BS	SDG No.:	BG042024
Lab Sample ID:	PB160349BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060981.D	1	4/18/2024 12:00:00 AM	4/21/2024 12:00:00 AM	PB160349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	136.336		32-145		91	SPK: -150
1718-51-0	Terphenyl-d14	86.616		36-145		87	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	19687	7.944				
1146-65-2	Naphthalene-d8	75484	10.735				
15067-26-2	Acenaphthene-d10	69402	14.566				
1517-22-2	Phenanthrene-d10	179570	17.315				
1719-03-5	Chrysene-d12	195909	21.575				
1520-96-3	Perylene-d12	231838	24.701				



Client:				Date Collected:	4/19/2024 12:00:00 AM	
Project:				Date Received:	4/19/2024 12:00:00 AM	
Client Sample ID:	PB160393BS			SDG No.:	BG042024	
Lab Sample ID:	PB160393BS			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060982.D	1	4/19/2024 12:00:00 AM	4/21/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1300		86.7	270	330	ug/Kg
110-86-1	Pyridine	1000		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	840		96.8	130	170	ug/Kg
108-95-2	Phenol	1600		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1500		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1400		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1400		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1400		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1400		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1400		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1300		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1400		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1300		90.7	130	170	ug/Kg
78-59-1	Isophorone	1300		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1400		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1300		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1400		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1400		240	270	330	ug/Kg
91-20-3	Naphthalene	1400		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	550		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	4/19/2024 12:00:00 AM
Project:		Date Received:	4/19/2024 12:00:00 AM
Client Sample ID:	PB160393BS	SDG No.:	BG042024
Lab Sample ID:	PB160393BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060982.D	1	4/19/2024 12:00:00 AM	4/21/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1400		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3100	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1400		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1300		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1500		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1300		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	810		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1300		81	130	170	ug/Kg
Total PAH	Total PAH	22600		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2800	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3100	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1300		84.3	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.1	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2800		169.2	130	340	ug/Kg
84-66-2	Diethylphthalate	1400		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1300		85.5	130	170	ug/Kg
86-73-7	Fluorene	1300		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1300		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1400		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1300		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1600		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	4/19/2024 12:00:00 AM
Project:		Date Received:	4/19/2024 12:00:00 AM
Client Sample ID:	PB160393BS	SDG No.:	BG042024
Lab Sample ID:	PB160393BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060982.D	1	4/19/2024 12:00:00 AM	4/21/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2900	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1400		83.9	130	170	ug/Kg
120-12-7	Anthracene	1400		84.3	130	170	ug/Kg
86-74-8	Carbazole	1400		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1400		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1400		81.6	130	170	ug/Kg
92-87-5	Benzidine	1400		160	270	330	ug/Kg
129-00-0	Pyrene	1400		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1400		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		80.6	130	170	ug/Kg
218-01-9	Chrysene	1400		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1400		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1100		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1300		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	131.511		18-112		88	SPK: -150
13127-88-3	Phenol-d6	126.806		15-107		85	SPK: -150
4165-60-0	Nitrobenzene-d5	75.45		18-107		75	SPK: -100
321-60-8	2-Fluorobiphenyl	75.059		20-109		75	SPK: -100

Report of Analysis

Client:		Date Collected:	4/19/2024 12:00:00 AM
Project:		Date Received:	4/19/2024 12:00:00 AM
Client Sample ID:	PB160393BS	SDG No.:	BG042024
Lab Sample ID:	PB160393BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060982.D	1	4/19/2024 12:00:00 AM	4/21/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	118.943		10-110		79	SPK: -150
1718-51-0	Terphenyl-d14	77.08		14-112		77	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	20091	7.935				
1146-65-2	Naphthalene-d8	78262	10.732				
15067-26-2	Acenaphthene-d10	71043	14.569				
1517-22-2	Phenanthrene-d10	191330	17.319				
1719-03-5	Chrysene-d12	194976	21.578				
1520-96-3	Perylene-d12	235534	24.698				



Client:				Date Collected:	4/19/2024 12:00:00 AM	
Project:				Date Received:	4/19/2024 12:00:00 AM	
Client Sample ID:	PB160393BL			SDG No.:	BG042024	
Lab Sample ID:	PB160393BL			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060983.D	1	4/19/2024 12:00:00 AM	4/21/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.7	U	86.7	270	330	ug/Kg
110-86-1	Pyridine	79.8	U	79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.8	U	96.8	130	170	ug/Kg
108-95-2	Phenol	82.8	U	82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.6	U	83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.4	U	83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.5	U	84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	85.9	U	85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.4	U	86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	82.9	U	82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	80.5	U	80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.8	U	90.8	130	170	ug/Kg
98-86-2	Acetophenone	86.8	U	86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.7	U	79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	82.9	U	82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	90.7	U	90.7	130	170	ug/Kg
78-59-1	Isophorone	84.5	U	84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.4	U	94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.1	U	93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.7	U	85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.4	U	75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.3	U	85.3	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.5	U	82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.5	U	82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.2	U	83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	4/19/2024 12:00:00 AM
Project:		Date Received:	4/19/2024 12:00:00 AM
Client Sample ID:	PB160393BL	SDG No.:	BG042024
Lab Sample ID:	PB160393BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060983.D	1	4/19/2024 12:00:00 AM	4/21/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.7	U	86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	U	74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.3	U	87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.2	U	83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	94.9	U	94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.6	U	81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	86.4	U	86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.1	U	83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.1	U	89.1	130	170	ug/Kg
83-32-9	Acenaphthene	81	U	81	130	170	ug/Kg
Total PAH	Total PAH	1323.5	U	1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.3	U	84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169.2	U	169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	80	U	80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.5	U	85.5	130	170	ug/Kg
86-73-7	Fluorene	85.4	U	85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.5	U	81.5	130	170	ug/Kg
103-33-3	Azobenzene	79.5	U	79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.8	U	78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	84.9	U	84.9	130	170	ug/Kg
1912-24-9	Atrazine	91.3	U	91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	4/19/2024 12:00:00 AM
Project:		Date Received:	4/19/2024 12:00:00 AM
Client Sample ID:	PB160393BL	SDG No.:	BG042024
Lab Sample ID:	PB160393BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060983.D	1	4/19/2024 12:00:00 AM	4/21/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	131.613		18-112		88	SPK: -150
13127-88-3	Phenol-d6	128.062		15-107		85	SPK: -150
4165-60-0	Nitrobenzene-d5	81.706		18-107		82	SPK: -100
321-60-8	2-Fluorobiphenyl	78.735		20-109		79	SPK: -100

Report of Analysis

Client:		Date Collected:	4/19/2024 12:00:00 AM
Project:		Date Received:	4/19/2024 12:00:00 AM
Client Sample ID:	PB160393BL	SDG No.:	BG042024
Lab Sample ID:	PB160393BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060983.D	1	4/19/2024 12:00:00 AM	4/21/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	129.648		10-110		86	SPK: -150
1718-51-0	Terphenyl-d14	79.73		14-112		80	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	18410	7.937				
1146-65-2	Naphthalene-d8	66136	10.733				
15067-26-2	Acenaphthene-d10	62387	14.564				
1517-22-2	Phenanthrene-d10	184980	17.314				
1719-03-5	Chrysene-d12	198167	21.573				
1520-96-3	Perylene-d12	228613	24.693				

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	PB160360BS	SDG No.:	BG042024
Lab Sample ID:	PB160360BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060984.D	1	4/18/2024 12:00:00 AM	4/21/2024 12:00:00 AM	PB160360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	40.5		1	8	10	ug/L
110-86-1	Pyridine	32		1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	25.8		1.6	4	5	ug/L
108-95-2	Phenol	48.6		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	43.6		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	48.6		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	44.4		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	45.9		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	45.1		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	44.3		1.6	8	10	ug/L
95-48-7	2-Methylphenol	42.8		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	44.1		1.4	4	5	ug/L
98-86-2	Acetophenone	41.8		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	42.8		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	44		1	4	5	ug/L
98-95-3	Nitrobenzene	41.8		1.3	4	5	ug/L
78-59-1	Isophorone	40.3		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	42.9		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	35.9		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.7		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	44.3		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	44.5		1.1	4	5	ug/L
65-85-0	Benzoic acid	44.4		5.5	8	10	ug/L
91-20-3	Naphthalene	42.5		1	4	5	ug/L
106-47-8	4-Chloroaniline	17.8		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	42.9		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	PB160360BS	SDG No.:	BG042024
Lab Sample ID:	PB160360BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060984.D	1	4/18/2024 12:00:00 AM	4/21/2024 12:00:00 AM	PB160360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	43.6		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	43.2		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	40.9		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	98.1	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	45.4		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	42.8		1	4	5	ug/L
92-52-4	1,1-Biphenyl	43.7		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	44.3		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	41.7		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	41.6		0.93	4	5	ug/L
208-96-8	Acenaphthylene	45.2		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	41.6		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	26.6		1.4	4	5	ug/L
83-32-9	Acenaphthene	41		0.81	4	5	ug/L
Total PAH	Total PAH	695.7		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	89.5	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	98.1	E	2	8	10	ug/L
132-64-9	Dibenzofuran	42.2		0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	44.2		1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	85.8		2.7	4	10	ug/L
84-66-2	Diethylphthalate	42.8		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41.8		0.98	4	5	ug/L
86-73-7	Fluorene	42.4		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	42.7		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	45		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	41.7		0.89	4	5	ug/L
103-33-3	Azobenzene	43.2		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	41.9		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	45.3		1.1	4	5	ug/L
1912-24-9	Atrazine	50.8		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	PB160360BS	SDG No.:	BG042024
Lab Sample ID:	PB160360BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060984.D	1	4/18/2024 12:00:00 AM	4/21/2024 12:00:00 AM	PB160360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	89.4	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	42.5		0.89	4	5	ug/L
120-12-7	Anthracene	42		1.1	4	5	ug/L
86-74-8	Carbazole	43.9		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	42.4		1.5	4	5	ug/L
206-44-0	Fluoranthene	43.2		1.3	4	5	ug/L
92-87-5	Benzidine	42.2		4.1	8	10	ug/L
129-00-0	Pyrene	41.5		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	41.5		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	31.9		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	43.3		0.94	4	5	ug/L
218-01-9	Chrysene	43.1		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	41.5		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	43.2		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	45.6		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	44.6		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	43.3		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46.1		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	46.1		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	43.3		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.4		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	34.8		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	45		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	41.6		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	146.224		10-139		97	SPK: -150
13127-88-3	Phenol-d6	140.481		10-134		94	SPK: -150
4165-60-0	Nitrobenzene-d5	81.614		49-133		82	SPK: -100
321-60-8	2-Fluorobiphenyl	84.616		52-132		85	SPK: -100

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	PB160360BS	SDG No.:	BG042024
Lab Sample ID:	PB160360BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060984.D	1	4/18/2024 12:00:00 AM	4/21/2024 12:00:00 AM	PB160360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	133.986		32-145		89	SPK: -150
1718-51-0	Terphenyl-d14	82.102		36-145		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	19803	7.94				
1146-65-2	Naphthalene-d8	77234	10.737				
15067-26-2	Acenaphthene-d10	69134	14.568				
1517-22-2	Phenanthrene-d10	185383	17.317				
1719-03-5	Chrysene-d12	195022	21.577				
1520-96-3	Perylene-d12	229625	24.697				

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	PB160360BSD	SDG No.:	BG042024
Lab Sample ID:	PB160360BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060985.D	1	4/18/2024 12:00:00 AM	4/21/2024 12:00:00 AM	PB160360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	41.2		1	8	10	ug/L
110-86-1	Pyridine	30.9		1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	J	4	8	10	ug/L
62-53-3	Aniline	27		1.6	4	5	ug/L
108-95-2	Phenol	48.1		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.1		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	48.7		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	44.7		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	44.9		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	45.6		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	43.9		1.6	8	10	ug/L
95-48-7	2-Methylphenol	43.4		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	44.4		1.4	4	5	ug/L
98-86-2	Acetophenone	44		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	42.9		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40.8		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	43.7		1	4	5	ug/L
98-95-3	Nitrobenzene	42.2		1.3	4	5	ug/L
78-59-1	Isophorone	42.1		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	45.1		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	36.4		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	47.3		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	45.8		1.1	4	5	ug/L
65-85-0	Benzoic acid	47.6		5.5	8	10	ug/L
91-20-3	Naphthalene	42.8		1	4	5	ug/L
106-47-8	4-Chloroaniline	18.1		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	45		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	PB160360BSD	SDG No.:	BG042024
Lab Sample ID:	PB160360BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060985.D	1	4/18/2024 12:00:00 AM	4/21/2024 12:00:00 AM	PB160360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	46.8		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	44.6		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	42.3		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	99	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	47.5		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	43.2		1	4	5	ug/L
92-52-4	1,1-Biphenyl	45.1		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	46.4		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	43.3		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	43.6		0.93	4	5	ug/L
208-96-8	Acenaphthylene	46.8		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	44.3		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	26.9		1.4	4	5	ug/L
83-32-9	Acenaphthene	42.1		0.81	4	5	ug/L
Total PAH	Total PAH	713.4		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	91.1	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	100	E	2	8	10	ug/L
132-64-9	Dibenzofuran	44		0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	45.5		1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.8		2.7	4	10	ug/L
84-66-2	Diethylphthalate	43.4		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	42.1		0.98	4	5	ug/L
86-73-7	Fluorene	43.5		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	42.3		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	47.2		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	42.9		0.89	4	5	ug/L
103-33-3	Azobenzene	43.6		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	42.6		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	47.2		1.1	4	5	ug/L
1912-24-9	Atrazine	51.4		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	PB160360BSD	SDG No.:	BG042024
Lab Sample ID:	PB160360BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060985.D	1	4/18/2024 12:00:00 AM	4/21/2024 12:00:00 AM	PB160360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	94.4	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	44.2		0.89	4	5	ug/L
120-12-7	Anthracene	44		1.1	4	5	ug/L
86-74-8	Carbazole	45.8		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	44		1.5	4	5	ug/L
206-44-0	Fluoranthene	44.8		1.3	4	5	ug/L
92-87-5	Benzidine	45.3		4.1	8	10	ug/L
129-00-0	Pyrene	43.2		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	44		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	33.2		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	45.4		0.94	4	5	ug/L
218-01-9	Chrysene	44.5		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	43.1		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	44.3		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	46.2		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	45.1		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	44.3		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	47.1		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	46.2		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	43.2		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	46.8		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	34.5		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	45.8		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	41.6		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	148.412		10-139		99	SPK: -150
13127-88-3	Phenol-d6	143.63		10-134		96	SPK: -150
4165-60-0	Nitrobenzene-d5	85.813		49-133		86	SPK: -100
321-60-8	2-Fluorobiphenyl	87.159		52-132		87	SPK: -100

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	PB160360BSD	SDG No.:	BG042024
Lab Sample ID:	PB160360BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060985.D	1	4/18/2024 12:00:00 AM	4/21/2024 12:00:00 AM	PB160360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	135.055		32-145		90	SPK: -150
1718-51-0	Terphenyl-d14	84.719		36-145		85	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	19603	7.94				
1146-65-2	Naphthalene-d8	74605	10.731				
15067-26-2	Acenaphthene-d10	67319	14.568				
1517-22-2	Phenanthrene-d10	177596	17.317				
1719-03-5	Chrysene-d12	187294	21.577				
1520-96-3	Perylene-d12	225596	24.703				

Hit Summary Sheet SW-846

SDG No.: BG042024

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : ICVBG042024								
SSTDICV040	ICVBG042024	Water	1,1-Biphenyl	39,000.000	910		5000	ug/L
SSTDICV040	ICVBG042024	Water	1,2,4,5-Tetrachlorobenzene	38,500.000	1100		5000	ug/L
SSTDICV040	ICVBG042024	Water	1,2,4-Trichlorobenzene	38,400.000	1100		5000	ug/L
SSTDICV040	ICVBG042024	Water	1,2-Dichlorobenzene	37,800.000	880		5000	ug/L
SSTDICV040	ICVBG042024	Water	1,3-Dichlorobenzene	38,000.000	800		5000	ug/L
SSTDICV040	ICVBG042024	Water	1,4-Dichlorobenzene	37,400.000	840		5000	ug/L
SSTDICV040	ICVBG042024	Water	1,4-Dioxane	38,200.000	1300		5000	ug/L
SSTDICV040	ICVBG042024	Water	1-Methylnaphthalene	39,700.000	860		5000	ug/L
SSTDICV040	ICVBG042024	Water	2,2-oxybis(1-Chloropropane)	37,500.000	1400		5000	ug/L
SSTDICV040	ICVBG042024	Water	2,3,4,6-Tetrachlorophenol	37,400.000	790		5000	ug/L
SSTDICV040	ICVBG042024	Water	2,4,5-Trichlorophenol	39,300.000	1000		5000	ug/L
SSTDICV040	ICVBG042024	Water	2,4,6-Trichlorophenol	39,300.000	890		5000	ug/L
SSTDICV040	ICVBG042024	Water	2,4-Dichlorophenol	38,500.000	880		5000	ug/L
SSTDICV040	ICVBG042024	Water	2,4-Dimethylphenol	38,400.000	1500		5000	ug/L
SSTDICV040	ICVBG042024	Water	2,4-Dinitrophenol	38,600.000	6400		10000	ug/L
SSTDICV040	ICVBG042024	Water	2,4-Dinitrotoluene	39,500.000	1500		5000	ug/L
SSTDICV040	ICVBG042024	Water	2,6-Dinitrotoluene	38,100.000	1200		5000	ug/L
SSTDICV040	ICVBG042024	Water	2-Chloronaphthalene	38,500.000	970		5000	ug/L
SSTDICV040	ICVBG042024	Water	2-Chlorophenol	38,000.000	710		5000	ug/L
SSTDICV040	ICVBG042024	Water	2-Methylnaphthalene	39,900.000	1100		5000	ug/L
SSTDICV040	ICVBG042024	Water	2-Methylphenol	38,700.000	1100		5000	ug/L
SSTDICV040	ICVBG042024	Water	2-Nitroaniline	39,100.000	1400		5000	ug/L
SSTDICV040	ICVBG042024	Water	2-Nitrophenol	37,800.000	2000		5000	ug/L
SSTDICV040	ICVBG042024	Water	3+4-Methylphenols	38,600.000	1200		10000	ug/L
SSTDICV040	ICVBG042024	Water	3,3-Dichlorobenzidine	38,800.000	1300		10000	ug/L
SSTDICV040	ICVBG042024	Water	3-Nitroaniline	37,600.000	1400		5000	ug/L
SSTDICV040	ICVBG042024	Water	4,6-Dinitro-2-methylphenol	38,400.000	3100		10000	ug/L
SSTDICV040	ICVBG042024	Water	4-Bromophenyl-phenylether	38,800.000	950		5000	ug/L
SSTDICV040	ICVBG042024	Water	4-Chloro-3-methylphenol	38,100.000	840		5000	ug/L
SSTDICV040	ICVBG042024	Water	4-Chloroaniline	39,400.000	1300		5000	ug/L
SSTDICV040	ICVBG042024	Water	4-Chlorophenyl-phenylether	38,100.000	980		5000	ug/L
SSTDICV040	ICVBG042024	Water	4-Nitroaniline	37,700.000	2000		5000	ug/L
SSTDICV040	ICVBG042024	Water	4-Nitrophenol	38,600.000	2000		10000	ug/L
SSTDICV040	ICVBG042024	Water	Acenaphthene	38,300.000	810		5000	ug/L
SSTDICV040	ICVBG042024	Water	Acenaphthylene	38,400.000	1000		5000	ug/L
SSTDICV040	ICVBG042024	Water	Acetophenone	39,100.000	1100		5000	ug/L
SSTDICV040	ICVBG042024	Water	Aniline	38,300.000	1600		5000	ug/L

Hit Summary Sheet SW-846

SDG No.: BG042024

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBG042024	Water	Anthracene	38,000.000		1100	5000	ug/L
SSTDICV040	ICVBG042024	Water	Atrazine	39,400.000		1300	5000	ug/L
SSTDICV040	ICVBG042024	Water	Azobenzene	38,300.000		1200	5000	ug/L
SSTDICV040	ICVBG042024	Water	Benzaldehyde	39,300.000		4000	10000	ug/L
SSTDICV040	ICVBG042024	Water	Benzidine	40,400.000		4100	10000	ug/L
SSTDICV040	ICVBG042024	Water	Benzo(a)anthracene	38,800.000		940	5000	ug/L
SSTDICV040	ICVBG042024	Water	Benzo(a)pyrene	38,200.000		1700	5000	ug/L
SSTDICV040	ICVBG042024	Water	Benzo(b)fluoranthene	38,100.000		1100	5000	ug/L
SSTDICV040	ICVBG042024	Water	Benzo(g,h,i)perylene	38,300.000		1200	5000	ug/L
SSTDICV040	ICVBG042024	Water	Benzo(k)fluoranthene	37,500.000		1200	5000	ug/L
SSTDICV040	ICVBG042024	Water	Benzoic acid	42,400.000		5500	10000	ug/L
SSTDICV040	ICVBG042024	Water	Benzyl Alcohol	39,100.000		1600	10000	ug/L
SSTDICV040	ICVBG042024	Water	bis(2-Chloroethoxy)methane	38,500.000		1000	5000	ug/L
SSTDICV040	ICVBG042024	Water	bis(2-Chloroethyl)ether	38,500.000		1200	5000	ug/L
SSTDICV040	ICVBG042024	Water	Bis(2-ethylhexyl)phthalate	38,000.000		1900	5000	ug/L
SSTDICV040	ICVBG042024	Water	Butylbenzylphthalate	38,900.000		2100	5000	ug/L
SSTDICV040	ICVBG042024	Water	Caprolactam	40,100.000		1700	10000	ug/L
SSTDICV040	ICVBG042024	Water	Carbazole	37,600.000		1200	5000	ug/L
SSTDICV040	ICVBG042024	Water	Chrysene	38,200.000		860	5000	ug/L
SSTDICV040	ICVBG042024	Water	Di-n-butylphthalate	38,100.000		1500	5000	ug/L
SSTDICV040	ICVBG042024	Water	Di-n-octyl phthalate	38,500.000		2500	10000	ug/L
SSTDICV040	ICVBG042024	Water	Dibenzo(a,h)anthracene	38,800.000		1200	5000	ug/L
SSTDICV040	ICVBG042024	Water	Dibenzofuran	38,300.000		930	5000	ug/L
SSTDICV040	ICVBG042024	Water	Diethylphthalate	38,600.000		1000	5000	ug/L
SSTDICV040	ICVBG042024	Water	Dimethylphthalate	38,200.000		930	5000	ug/L
SSTDICV040	ICVBG042024	Water	Fluoranthene	37,800.000		1300	5000	ug/L
SSTDICV040	ICVBG042024	Water	Fluorene	38,200.000		960	5000	ug/L
SSTDICV040	ICVBG042024	Water	Hexachlorobenzene	38,100.000		1100	5000	ug/L
SSTDICV040	ICVBG042024	Water	Hexachlorobutadiene	38,500.000		1300	5000	ug/L
SSTDICV040	ICVBG042024	Water	Hexachlorocyclopentadiene	37,100.000		5000	10000	ug/L
SSTDICV040	ICVBG042024	Water	Hexachloroethane	36,400.000		1000	5000	ug/L
SSTDICV040	ICVBG042024	Water	Indeno(1,2,3-cd)pyrene	38,600.000		1000	5000	ug/L
SSTDICV040	ICVBG042024	Water	Isophorone	38,800.000		1100	5000	ug/L
SSTDICV040	ICVBG042024	Water	n-Nitroso-di-n-propylamine	39,300.000		1500	2500	ug/L
SSTDICV040	ICVBG042024	Water	n-Nitrosodimethylamine	37,900.000		1000	10000	ug/L
SSTDICV040	ICVBG042024	Water	n-Nitrosodiphenylamine	38,600.000		890	5000	ug/L
SSTDICV040	ICVBG042024	Water	Naphthalene	38,100.000		1000	5000	ug/L
SSTDICV040	ICVBG042024	Water	Nitrobenzene	38,400.000		1300	5000	ug/L
SSTDICV040	ICVBG042024	Water	Pentachlorophenol	39,600.000		1900	10000	ug/L
SSTDICV040	ICVBG042024	Water	Phenanthrene	38,300.000		890	5000	ug/L



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: BG042024

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBG042024	Water	Phenol	38,800.000		930	5000	ug/L
SSTDICV040	ICVBG042024	Water	Pyrene	38,100.000		1100	5000	ug/L
SSTDICV040	ICVBG042024	Water	Pyridine	38,400.000		1600	5000	ug/L
SSTDICV040	ICVBG042024	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	77,600.000		2700	10000	ug/L
SSTDICV040	ICVBG042024	Water	Total PAH	611,700.000		17360	80000	ug/L
Total Svoc :						3,770,200.00		
Total Concentration:						3,770,200.00		



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BG042024 SAS No.: BG042024 SDG No.: BG042024
Instrument ID: _____ Calibration Date(s): 4/20/2024 : _____
Calibration Time(s): 16:57 : _____

LAB FILE ID:		RRF2.5 = BG060971.D			RRF005 = BG060972.D		RRF010 = BG060973.D	
		RRF020 = BG060974.D			RRF040 = BG060975.D		RRF050 = BG060976.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.948	0.937	1.023	0.943	0.948	0.951	4.2
Pyridine		1.060	1.078	1.121	1.027	1.053	1.058	3.7
2-Fluorophenol		0.981	0.994	1.079	0.958	0.991	0.989	4.7
Benzaldehyde		0.825	0.773	0.859	0.706	0.735	0.755	9.1
Aniline		1.743	1.716	1.931	1.743	1.785	1.763	4.7
Phenol-d6		1.497	1.321	1.538	1.467	1.503	1.467	5.0
Phenol		1.424	1.417	1.544	1.447	1.464	1.458	3.5
bis(2-Chloroethyl)ether		1.115	0.986	1.125	1.007	1.020	1.043	5.5
2-Chlorophenol		1.250	1.271	1.287	1.178	1.224	1.232	3.4
1,2-Dichlorobenzene		1.373	1.375	1.461	1.342	1.367	1.375	3.2
1,3-Dichlorobenzene		1.430	1.288	1.524	1.315	1.364	1.366	6.2
1,4-Dichlorobenzene		1.451	1.367	1.564	1.364	1.375	1.407	5.8
Benzyl Alcohol		1.365	1.345	1.519	1.347	1.376	1.385	4.6
2-Methylphenol		1.093	1.140	1.265	1.174	1.198	1.177	4.9
2,2-oxybis(1-Chloropropane)		2.347	2.162	2.437	2.213	2.239	2.270	4.5
Acetophenone		0.581	0.562	0.576	0.521	0.563	0.558	3.8
3+4-Methylphenols		1.677	1.552	1.811	1.588	1.680	1.646	5.6
n-Nitroso-di-n-propylamine	1.148	1.080	1.002	1.213	1.050	1.106	1.093	6.2
Nitrobenzene-d5		0.435	0.449	0.451	0.422	0.460	0.445	2.9
Hexachloroethane		0.524	0.455	0.542	0.506	0.504	0.507	5.5
Nitrobenzene		0.432	0.421	0.433	0.407	0.441	0.428	2.6
Isophorone		0.738	0.761	0.797	0.704	0.739	0.745	4.2
2-Nitrophenol		0.184	0.210	0.217	0.192	0.208	0.201	5.7
2,4-Dimethylphenol		0.322	0.336	0.337	0.296	0.328	0.322	4.3
bis(2-Chloroethoxy)methane		0.386	0.406	0.416	0.360	0.392	0.392	4.7
2,4-Dichlorophenol		0.360	0.406	0.372	0.350	0.380	0.372	4.8
1,2,4-Trichlorobenzene		0.422	0.398	0.420	0.386	0.424	0.410	3.6
Benzoic acid		0.204	0.199	0.253	0.243	0.271	0.246	13.4
Naphthalene		1.153	1.116	1.092	1.023	1.108	1.095	3.9
4-Chloroaniline		0.497	0.523	0.511	0.469	0.506	0.497	3.8
Hexachlorobutadiene		0.371	0.364	0.370	0.338	0.363	0.361	3.2
Caprolactam		0.111	0.117	0.126	0.119	0.125	0.118	4.6
4-Chloro-3-methylphenol		0.449	0.430	0.451	0.410	0.450	0.434	4.1
2-Methylnaphthalene		0.859	0.889	0.889	0.823	0.880	0.861	3.3
Hexachlorocyclopentadiene			0.343	0.401	0.412	0.433	0.418	10.5
2,4,6-Trichlorophenol		0.446	0.475	0.490	0.447	0.469	0.467	3.9

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BG042024 SAS No.: BG042024 SDG No.: BG042024
Instrument ID: _____ Calibration Date(s): 4/20/2024 : _____
Calibration Time(s): 16:57 _____

LAB FILE ID:		RRF2.5 = BG060971.D			RRF005 = BG060972.D		RRF010 = BG060973.D	
		RRF020 = BG060974.D			RRF040 = BG060975.D		RRF050 = BG060976.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.395	1.413	1.494	1.390	1.454	1.445	3.4
2,4,5-Trichlorophenol		0.554	0.532	0.569	0.524	0.550	0.553	4.4
1,1-Biphenyl		1.256	1.310	1.405	1.298	1.382	1.347	4.6
2-Chloronaphthalene		1.004	0.992	1.064	0.987	1.054	1.033	3.9
2-Nitroaniline		0.419	0.412	0.440	0.393	0.415	0.417	3.9
Dimethylphthalate		1.650	1.668	1.699	1.572	1.661	1.649	3.2
Acenaphthylene		1.671	1.662	1.815	1.689	1.765	1.740	4.1
2,6-Dinitrotoluene		0.346	0.341	0.358	0.333	0.346	0.344	3.3
3-Nitroaniline		0.340	0.350	0.368	0.315	0.340	0.339	5.7
Acenaphthene		1.001	1.026	1.124	1.043	1.077	1.057	4.1
2,4-Dinitrophenol			0.114	0.173	0.190	0.221	0.191	22.8
4-Nitrophenol		0.193	0.232	0.256	0.241	0.264	0.243	10.1
Dibenzofuran		1.862	1.776	1.904	1.746	1.843	1.825	3.5
2,4-Dinitrotoluene		0.508	0.472	0.523	0.481	0.501	0.496	4.1
Diethylphthalate		1.603	1.660	1.728	1.537	1.633	1.624	4.1
4-Chlorophenyl-phenylether		0.979	0.943	1.004	0.899	0.941	0.950	4.0
Fluorene		1.536	1.521	1.654	1.449	1.552	1.541	4.2
4-Nitroaniline		0.373	0.370	0.388	0.348	0.373	0.366	4.6
4,6-Dinitro-2-methylphenol			0.093	0.123	0.122	0.132	0.123	13.1
n-Nitrosodiphenylamine		0.534	0.544	0.575	0.526	0.548	0.551	3.5
Azobenzene		1.306	1.309	1.417	1.241	1.344	1.321	4.6
2,4,6-Tribromophenol		0.428	0.443	0.468	0.419	0.444	0.439	3.7
4-Bromophenyl-phenylether		0.255	0.250	0.280	0.250	0.264	0.264	4.8
Hexachlorobenzene		0.274	0.276	0.305	0.282	0.293	0.292	5.0
Atrazine		0.231	0.218	0.223	0.203	0.196	0.206	9.2
Pentachlorophenol			0.151	0.185	0.191	0.201	0.191	11.4
Phenanthrene		1.017	1.012	1.071	0.964	1.028	1.021	3.3
Anthracene		1.032	1.049	1.098	1.005	1.056	1.051	3.0
Carbazole		0.893	0.877	0.906	0.830	0.859	0.873	3.1
Di-n-butylphthalate		1.046	1.089	1.119	1.006	1.048	1.060	3.6
Fluoranthene		1.360	1.350	1.456	1.282	1.346	1.355	4.0
Benzidine			0.446	0.392	0.399	0.340	0.371	13.5
Pyrene		1.363	1.401	1.447	1.295	1.359	1.362	3.7
Terphenyl-d14		1.303	1.319	1.371	1.223	1.282	1.288	3.9
Butylbenzylphthalate		0.452	0.453	0.482	0.433	0.450	0.454	3.4
3,3-Dichlorobenzidine		0.500	0.519	0.543	0.485	0.503	0.508	3.8

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BG042024 SAS No.: BG042024 SDG No.: BG042024
Instrument ID: _____ Calibration Date(s): 4/20/2024 : _____
Calibration Time(s): 16:57 : _____

LAB FILE ID:		RRF2.5 = BG060971.D			RRF005 = BG060972.D		RRF010 = BG060973.D	
		RRF020 = BG060974.D			RRF040 = BG060975.D		RRF050 = BG060976.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.412	1.404	1.473	1.335	1.388	1.406	3.0
Chrysene		1.349	1.345	1.394	1.265	1.332	1.339	3.0
Bis(2-ethylhexyl)phthalate		0.651	0.666	0.688	0.622	0.659	0.660	3.1
Di-n-octyl phthalate		1.065	1.110	1.137	1.039	1.100	1.096	3.1
Benzo(b)fluoranthene		1.113	1.110	1.151	1.092	1.125	1.133	3.4
Benzo(k)fluoranthene		1.142	1.106	1.185	1.094	1.152	1.144	3.2
Benzo(a)pyrene		1.073	1.071	1.128	1.053	1.098	1.097	3.3
Indeno(1,2,3-cd)pyrene		1.308	1.312	1.415	1.342	1.415	1.387	4.9
Dibenzo(a,h)anthracene		1.029	1.045	1.160	1.122	1.170	1.134	6.4
Benzo(g,h,i)perylene		1.053	1.114	1.142	1.079	1.138	1.124	4.1
1,2,4,5-Tetrachlorobenzene		0.678	0.663	0.738	0.694	0.718	0.711	4.9
1,4-Dioxane		0.351	0.364	0.363	0.338	0.344	0.342	6.0
2,3,4,6-Tetrachlorophenol		0.535	0.554	0.601	0.533	0.571	0.558	4.7
1-Methylnaphthalene		0.810	0.789	0.833	0.776	0.817	0.803	2.7

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG042024 SAS No.: BG042024 SDG NO.: BG042024

EPA Sample No.: SSTDICCC040 Date Analyzed: Apr 20 2024 12:00AM

Lab File ID: BG060975.D Time Analyzed: 23:06

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	20618	7.943	82022	10.74	72860	14.57
UPPER LIMIT	41236	8.443	164044	11.24	145720	15.07
LOWER LIMIT	10309	7.443	41011	10.24	36430	14.07
EPA SAMPLE NO.						
01 ICVBG042024	20765	7.94	80002	10.74	73749	14.57
02 PB160321TB	17667	7.93	63749	10.73	60519	14.57
03 PB160349BS	19687	7.94	75484	10.74	69402	14.57
04 PB160393BS	20091	7.94	78262	10.73	71043	14.57
05 PB160393BL	18410	7.94	66136	10.73	62387	14.56
06 PB160360BS	19803	7.94	77234	10.74	69134	14.57
07 PB160360BSD	19603	7.94	74605	10.73	67319	14.57

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG042024 SAS No.: BG042024 SDG NO.: BG042024

EPA Sample No.: SSTDICCC040 Date Analyzed: Apr 20 2024 12:00AM

Lab File ID: BG060975.D Time Analyzed: 23:06

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	20618	7.943	82022	10.74	72860	14.57
UPPER LIMIT	41236	8.443	164044	11.24	145720	15.07
LOWER LIMIT	10309	7.443	41011	10.24	36430	14.07
EPA SAMPLE NO.						
01 ICVBG042024	20765	7.94	80002	10.74	73749	14.57
02 PB160321TB	17667	7.93	63749	10.73	60519	14.57
03 PB160349BS	19687	7.94	75484	10.74	69402	14.57
04 PB160393BS	20091	7.94	78262	10.73	71043	14.57
05 PB160393BL	18410	7.94	66136	10.73	62387	14.56
06 PB160360BS	19803	7.94	77234	10.74	69134	14.57
07 PB160360BSD	19603	7.94	74605	10.73	67319	14.57

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG042024 SAS No.: BG042024 SDG NO.: BG042024

EPA Sample No.: SSTDICCC040 Date Analyzed: Apr 20 2024 12:00AM

Lab File ID: BG060975.D Time Analyzed: 23:06

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	190054	17.32	189201	21.58	221856	24.7
UPPER LIMIT	380108	17.82	378402	22.08	443712	25.2
LOWER LIMIT	95027	16.82	94600.5	21.08	110928	24.2
EPA SAMPLE NO.						
01 ICVBG042024	191966	17.32	194023	21.58	233639	24.70
02 PB160321TB	174334	17.32	194108	21.57	222528	24.70
03 PB160349BS	179570	17.32	195909	21.58	231838	24.70
04 PB160393BS	191330	17.32	194976	21.58	235534	24.70
05 PB160393BL	184980	17.31	198167	21.57	228613	24.69
06 PB160360BS	185383	17.32	195022	21.58	229625	24.70
07 PB160360BSD	177596	17.32	187294	21.58	225596	24.70

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG042024 SAS No.: BG042024 SDG NO.: BG042024

EPA Sample No.: SSTDICCC040 Date Analyzed: Apr 20 2024 12:00AM

Lab File ID: BG060975.D Time Analyzed: 23:06

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	190054	17.32	189201	21.58	221856	24.7
UPPER LIMIT	380108	17.82	378402	22.08	443712	25.2
LOWER LIMIT	95027	16.82	94600.5	21.08	110928	24.2
EPA SAMPLE NO.						
01 ICVBG042024	191966	17.32	194023	21.58	233639	24.70
02 PB160321TB	174334	17.32	194108	21.57	222528	24.70
03 PB160349BS	179570	17.32	195909	21.58	231838	24.70
04 PB160393BS	191330	17.32	194976	21.58	235534	24.70
05 PB160393BL	184980	17.31	198167	21.57	228613	24.69
06 PB160360BS	185383	17.32	195022	21.58	229625	24.70
07 PB160360BSD	177596	17.32	187294	21.58	225596	24.70

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG042024

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB160349BS	n-Nitrosodimethylamine	50	41.7	ug/L	83				55	108	
	Pyridine	50	33.3	ug/L	67				29	97	
	Benzaldehyde	50	4.5	ug/L	9		*		15	121	
	Aniline	50	28.1	ug/L	56				10	130	
	Phenol	50	49.6	ug/L	99				66	118	
	bis(2-Chloroethyl)ether	50	45	ug/L	90				62	103	
	2-Chlorophenol	50	50.6	ug/L	101				70	117	
	1,2-Dichlorobenzene	50	46.8	ug/L	94				72	102	
	1,3-Dichlorobenzene	50	46.5	ug/L	93				71	103	
	1,4-Dichlorobenzene	50	46.2	ug/L	92				76	103	
	Benzyl Alcohol	50	45.5	ug/L	91				36	93	
	2-Methylphenol	50	43.8	ug/L	88				69	109	
	2,2-oxybis(1-Chloropropane)	50	45.9	ug/L	92				52	103	
	Acetophenone	50	45.4	ug/L	91				60	104	
	3+4-Methylphenols	50	43.6	ug/L	87				67	106	
	N-Nitroso-di-n-propylamine	50	43.1	ug/L	86				57	107	
	Hexachloroethane	50	45.3	ug/L	91				76	118	
	Nitrobenzene	50	43.8	ug/L	88				58	106	
	Isophorone	50	43.1	ug/L	86				61	102	
	2-Nitrophenol	50	47.6	ug/L	95				70	115	
	2,4-Dimethylphenol	50	37.6	ug/L	75				67	130	
	bis(2-Chloroethoxy)methane	50	44.2	ug/L	88				58	109	
	2,4-Dichlorophenol	50	46.9	ug/L	94				66	115	
	1,2,4-Trichlorobenzene	50	46.5	ug/L	93				41	115	
	Benzoic acid	50	47.2	ug/L	94				10	125	
	Naphthalene	50	44.4	ug/L	89				64	107	
	4-Chloroaniline	50	18.3	ug/L	37				10	85	
	Hexachlorobutadiene	50	44.4	ug/L	89				69	101	
	Caprolactam	50	47.5	ug/L	95				58	128	
	4-Chloro-3-methylphenol	50	45.4	ug/L	91				65	114	
	2-Methylnaphthalene	50	43.1	ug/L	86				64	107	
	Hexachlorocyclopentadiene	100	99.5	ug/L	100				36	160	
	2,4,6-Trichlorophenol	50	46.1	ug/L	92				61	110	
	2,4,5-Trichlorophenol	50	43.3	ug/L	87				70	106	
	1,1-Biphenyl	50	44.7	ug/L	89				72	98	
	2-Chloronaphthalene	50	45.6	ug/L	91				59	106	
	2-Nitroaniline	50	44	ug/L	88				58	107	
	Dimethylphthalate	50	43	ug/L	86				64	103	
	Acenaphthylene	50	46.7	ug/L	93				65	108	
	2,6-Dinitrotoluene	50	43.6	ug/L	87				64	110	
	3-Nitroaniline	50	27.2	ug/L	54				28	100	
	Acenaphthene	50	43.3	ug/L	87				59	113	
	Total PAH	800	731.3	ug/L	91				59	113	
	2,4-Dinitrophenol	100	93.7	ug/L	94				64	132	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG042024

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB160349BS	4-Nitrophenol	100	100	ug/L	100				68	116		
	Dibenzofuran	50	44.1	ug/L	88				65	106		
	2,4-Dinitrotoluene	50	45.9	ug/L	92				60	115		
	2,4-Dinitrotoluene/2,6-Dinitro	100	89.5	ug/L	90				60	115		
	Diethylphthalate	50	44	ug/L	88				63	105		
	4-Chlorophenyl-phenylether	50	42.3	ug/L	85				61	104		
	Fluorene	50	43.5	ug/L	87				64	107		
	4-Nitroaniline	50	43.8	ug/L	88				69	112		
	4,6-Dinitro-2-methylphenol	50	47.5	ug/L	95				62	132		
	N-Nitrosodiphenylamine	50	44.4	ug/L	89				61	109		
	Azobenzene	50	43.5	ug/L	87				59	106		
	4-Bromophenyl-phenylether	50	43.8	ug/L	88				73	103		
	Hexachlorobenzene	50	48	ug/L	96				73	106		
	Atrazine	50	53.3	ug/L	107				76	120		
	Pentachlorophenol	100	97.7	ug/L	98				47	114		
	Phenanthrene	50	45.4	ug/L	91				62	109		
	Anthracene	50	45.1	ug/L	90				65	110		
	Carbazole	50	47.1	ug/L	94				62	106		
	Di-n-butylphthalate	50	46.1	ug/L	92				64	106		
	Fluoranthene	50	46.3	ug/L	93				64	110		
	Benzidine	100	43.6	ug/L	44				10	94		
	Pyrene	50	43.8	ug/L	88				71	103		
	Butylbenzylphthalate	50	43.8	ug/L	88				61	105		
	3,3-Dichlorobenzidine	50	33.6	ug/L	67				43	108		
	Benzo(a)anthracene	50	46.3	ug/L	93				62	107		
	Chrysene	50	44.6	ug/L	89				61	108		
	bis(2-Ethylhexyl)phthalate	50	43.9	ug/L	88				59	110		
	Di-n-octyl phthalate	50	45.2	ug/L	90				67	126		
	Benzo(b)fluoranthene	50	48.2	ug/L	96				77	113		
	Benzo(k)fluoranthene	50	46.1	ug/L	92				64	113		
	Benzo(a)pyrene	50	45.6	ug/L	91				72	131		
	Indeno(1,2,3-cd)pyrene	50	48.7	ug/L	97				72	105		
	Dibenz(a,h)anthracene	50	48.5	ug/L	97				78	115		
	Benzo(g,h,i)perylene	50	44.8	ug/L	90				75	118		
	1,2,4,5-Tetrachlorobenzene	50	45.2	ug/L	90				72	101		
	1,4-Dioxane	50	34.8	ug/L	70				38	125		
	2,3,4,6-Tetrachlorophenol	50	46	ug/L	92				63	116		
	1-Methylnaphthalene	50	43.2	ug/L	86				51	114		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG042024

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD	
								Qual	Low	High		
PB160360BS	n-Nitrosodimethylamine	50	40.5	ug/L	81					55	108	
	Pyridine	50	32	ug/L	64					29	97	
	Benzaldehyde	50	0	ug/L	0		*			15	121	
	Aniline	50	25.8	ug/L	52					10	130	
	Phenol	50	48.6	ug/L	97					66	118	
	bis(2-Chloroethyl)ether	50	43.6	ug/L	87					62	103	
	2-Chlorophenol	50	48.6	ug/L	97					70	117	
	1,2-Dichlorobenzene	50	44.4	ug/L	89					72	102	
	1,3-Dichlorobenzene	50	45.9	ug/L	92					71	103	
	1,4-Dichlorobenzene	50	45.1	ug/L	90					76	103	
	Benzyl Alcohol	50	44.3	ug/L	89					36	93	
	2-Methylphenol	50	42.8	ug/L	86					69	109	
	2,2-oxybis(1-Chloropropane)	50	44.1	ug/L	88					52	103	
	Acetophenone	50	41.8	ug/L	84					60	104	
	3+4-Methylphenols	50	42.8	ug/L	86					67	106	
	N-Nitroso-di-n-propylamine	50	42	ug/L	84					57	107	
	Hexachloroethane	50	44	ug/L	88					76	118	
	Nitrobenzene	50	41.8	ug/L	84					58	106	
	Isophorone	50	40.3	ug/L	81					61	102	
	2-Nitrophenol	50	42.9	ug/L	86					70	115	
	2,4-Dimethylphenol	50	35.9	ug/L	72					67	130	
	bis(2-Chloroethoxy)methane	50	41.7	ug/L	83					58	109	
	2,4-Dichlorophenol	50	44.3	ug/L	89					66	115	
	1,2,4-Trichlorobenzene	50	44.5	ug/L	89					41	115	
	Benzoic acid	50	44.4	ug/L	89					10	125	
	Naphthalene	50	42.5	ug/L	85					64	107	
	4-Chloroaniline	50	17.8	ug/L	36					10	85	
	Hexachlorobutadiene	50	42.9	ug/L	86					69	101	
	Caprolactam	50	43.6	ug/L	87					58	128	
	4-Chloro-3-methylphenol	50	43.2	ug/L	86					65	114	
	2-Methylnaphthalene	50	40.9	ug/L	82					64	107	
	Hexachlorocyclopentadiene	100	98.1	ug/L	98					36	160	
	2,4,6-Trichlorophenol	50	45.4	ug/L	91					61	110	
	2,4,5-Trichlorophenol	50	42.8	ug/L	86					70	106	
	1,1-Biphenyl	50	43.7	ug/L	87					72	98	
	2-Chloronaphthalene	50	44.3	ug/L	89					59	106	
	2-Nitroaniline	50	41.7	ug/L	83					58	107	
	Dimethylphthalate	50	41.6	ug/L	83					64	103	
	Acenaphthylene	50	45.2	ug/L	90					65	108	
	2,6-Dinitrotoluene	50	41.6	ug/L	83					64	110	
	3-Nitroaniline	50	26.6	ug/L	53					28	100	
	Acenaphthene	50	41	ug/L	82					59	113	
	Total PAH	800	695.7	ug/L	87					59	113	
	2,4-Dinitrophenol	100	89.5	ug/L	90					64	132	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG042024

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB160360BS	4-Nitrophenol	100	98.1	ug/L	98				68	116		
	Dibenzofuran	50	42.2	ug/L	84				65	106		
	2,4-Dinitrotoluene/2,6-Dinitro	100	85.8	ug/L	86				60	115		
	2,4-Dinitrotoluene	50	44.2	ug/L	88				60	115		
	Diethylphthalate	50	42.8	ug/L	86				63	105		
	4-Chlorophenyl-phenylether	50	41.8	ug/L	84				61	104		
	Fluorene	50	42.4	ug/L	85				64	107		
	4-Nitroaniline	50	42.7	ug/L	85				69	112		
	4,6-Dinitro-2-methylphenol	50	45	ug/L	90				62	132		
	N-Nitrosodiphenylamine	50	41.7	ug/L	83				61	109		
	Azobenzene	50	43.2	ug/L	86				59	106		
	4-Bromophenyl-phenylether	50	41.9	ug/L	84				73	103		
	Hexachlorobenzene	50	45.3	ug/L	91				73	106		
	Atrazine	50	50.8	ug/L	102				76	120		
	Pentachlorophenol	100	89.4	ug/L	89				47	114		
	Phenanthrene	50	42.5	ug/L	85				62	109		
	Anthracene	50	42	ug/L	84				65	110		
	Carbazole	50	43.9	ug/L	88				62	106		
	Di-n-butylphthalate	50	42.4	ug/L	85				64	106		
	Fluoranthene	50	43.2	ug/L	86				64	110		
	Benzidine	100	42.2	ug/L	42				10	94		
	Pyrene	50	41.5	ug/L	83				71	103		
	Butylbenzylphthalate	50	41.5	ug/L	83				61	105		
	3,3-Dichlorobenzidine	50	31.9	ug/L	64				43	108		
	Benzo(a)anthracene	50	43.3	ug/L	87				62	107		
	Chrysene	50	43.1	ug/L	86				61	108		
	bis(2-Ethylhexyl)phthalate	50	41.5	ug/L	83				59	110		
	Di-n-octyl phthalate	50	43.2	ug/L	86				67	126		
	Benzo(b)fluoranthene	50	45.6	ug/L	91				77	113		
	Benzo(k)fluoranthene	50	44.6	ug/L	89				64	113		
	Benzo(a)pyrene	50	43.3	ug/L	87				72	131		
	Indeno(1,2,3-cd)pyrene	50	46.1	ug/L	92				72	105		
	Dibenz(a,h)anthracene	50	46.1	ug/L	92				78	115		
	Benzo(g,h,i)perylene	50	43.3	ug/L	87				75	118		
	1,2,4,5-Tetrachlorobenzene	50	44.4	ug/L	89				72	101		
	1,4-Dioxane	50	34.8	ug/L	70				38	125		
	2,3,4,6-Tetrachlorophenol	50	45	ug/L	90				63	116		
	1-Methylnaphthalene	50	41.6	ug/L	83				51	114		
PB160360BSD	n-Nitrosodimethylamine	50	41.2	ug/L	82				55	108	20	
	Pyridine	50	30.9	ug/L	62				29	97	20	
	Benzaldehyde	50	4	ug/L	8		*		15	121	20	
	Aniline	50	27	ug/L	54				10	130	20	
	Phenol	50	48.1	ug/L	96				66	118	20	
	bis(2-Chloroethyl)ether	50	44.1	ug/L	88				62	103	20	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG042024

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB160360BSD	2-Chlorophenol	50	48.7	ug/L	97				70	117	20
	1,2-Dichlorobenzene	50	44.7	ug/L	89				72	102	20
	1,3-Dichlorobenzene	50	44.9	ug/L	90				71	103	20
	1,4-Dichlorobenzene	50	45.6	ug/L	91				76	103	20
	Benzyl Alcohol	50	43.9	ug/L	88				36	93	20
	2-Methylphenol	50	43.4	ug/L	87				69	109	20
	2,2-oxybis(1-Chloropropane)	50	44.4	ug/L	89				52	103	20
	Acetophenone	50	44	ug/L	88				60	104	20
	3+4-Methylphenols	50	42.9	ug/L	86				67	106	20
	N-Nitroso-di-n-propylamine	50	40.8	ug/L	82				57	107	20
	Hexachloroethane	50	43.7	ug/L	87				76	118	20
	Nitrobenzene	50	42.2	ug/L	84				58	106	20
	Isophorone	50	42.1	ug/L	84				61	102	20
	2-Nitrophenol	50	45.1	ug/L	90				70	115	20
	2,4-Dimethylphenol	50	36.4	ug/L	73				67	130	20
	bis(2-Chloroethoxy)methane	50	43	ug/L	86				58	109	20
	2,4-Dichlorophenol	50	47.3	ug/L	95				66	115	20
	1,2,4-Trichlorobenzene	50	45.8	ug/L	92				41	115	20
	Benzoic acid	50	47.6	ug/L	95				10	125	20
	Naphthalene	50	42.8	ug/L	86				64	107	20
	4-Chloroaniline	50	18.1	ug/L	36				10	85	20
	Hexachlorobutadiene	50	45	ug/L	90				69	101	20
	Caprolactam	50	46.8	ug/L	94				58	128	20
	4-Chloro-3-methylphenol	50	44.6	ug/L	89				65	114	20
	2-Methylnaphthalene	50	42.3	ug/L	85				64	107	20
	Hexachlorocyclopentadiene	100	99	ug/L	99				36	160	20
	2,4,6-Trichlorophenol	50	47.5	ug/L	95				61	110	20
	2,4,5-Trichlorophenol	50	43.2	ug/L	86				70	106	20
	1,1-Biphenyl	50	45.1	ug/L	90				72	98	20
	2-Chloronaphthalene	50	46.4	ug/L	93				59	106	20
	2-Nitroaniline	50	43.3	ug/L	87				58	107	20
	Dimethylphthalate	50	43.6	ug/L	87				64	103	20
	Acenaphthylene	50	46.8	ug/L	94				65	108	20
	2,6-Dinitrotoluene	50	44.3	ug/L	89				64	110	20
	3-Nitroaniline	50	26.9	ug/L	54				28	100	20
	Acenaphthene	50	42.1	ug/L	84				59	113	20
	Total PAH	800	713.4	ug/L	89				59	113	20
	2,4-Dinitrophenol	100	91.1	ug/L	91				64	132	20
	4-Nitrophenol	100	100	ug/L	100				68	116	20
	Dibenzofuran	50	44	ug/L	88				65	106	20
	2,4-Dinitrotoluene/2,6-Dinitro	100	89.8	ug/L	90				60	115	20
	2,4-Dinitrotoluene	50	45.5	ug/L	91				60	115	20
	Diethylphthalate	50	43.4	ug/L	87				63	105	20
	4-Chlorophenyl-phenylether	50	42.1	ug/L	84				61	104	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

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Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160360BSD	Fluorene	50	43.5	ug/L	87				64	107	20
	4-Nitroaniline	50	42.3	ug/L	85				69	112	20
	4,6-Dinitro-2-methylphenol	50	47.2	ug/L	94				62	132	20
	N-Nitrosodiphenylamine	50	42.9	ug/L	86				61	109	20
	Azobenzene	50	43.6	ug/L	87				59	106	20
	4-Bromophenyl-phenylether	50	42.6	ug/L	85				73	103	20
	Hexachlorobenzene	50	47.2	ug/L	94				73	106	20
	Atrazine	50	51.4	ug/L	103				76	120	20
	Pentachlorophenol	100	94.4	ug/L	94				47	114	20
	Phenanthrene	50	44.2	ug/L	88				62	109	20
	Anthracene	50	44	ug/L	88				65	110	20
	Carbazole	50	45.8	ug/L	92				62	106	20
	Di-n-butylphthalate	50	44	ug/L	88				64	106	20
	Fluoranthene	50	44.8	ug/L	90				64	110	20
	Benzidine	100	45.3	ug/L	45				10	94	20
	Pyrene	50	43.2	ug/L	86				71	103	20
	Butylbenzylphthalate	50	44	ug/L	88				61	105	20
	3,3-Dichlorobenzidine	50	33.2	ug/L	66				43	108	20
	Benzo(a)anthracene	50	45.4	ug/L	91				62	107	20
	Chrysene	50	44.5	ug/L	89				61	108	20
	bis(2-Ethylhexyl)phthalate	50	43.1	ug/L	86				59	110	20
	Di-n-octyl phthalate	50	44.3	ug/L	89				67	126	20
	Benzo(b)fluoranthene	50	46.2	ug/L	92				77	113	20
	Benzo(k)fluoranthene	50	45.1	ug/L	90				64	113	20
	Benzo(a)pyrene	50	44.3	ug/L	89				72	131	20
	Indeno(1,2,3-cd)pyrene	50	47.1	ug/L	94				72	105	20
	Dibenz(a,h)anthracene	50	46.2	ug/L	92				78	115	20
	Benzo(g,h,i)perylene	50	43.2	ug/L	86				75	118	20
	1,2,4,5-Tetrachlorobenzene	50	46.8	ug/L	94				72	101	20
	1,4-Dioxane	50	34.5	ug/L	69				38	125	20
	2,3,4,6-Tetrachlorophenol	50	45.8	ug/L	92				63	116	20
	1-Methylnaphthalene	50	41.6	ug/L	83				51	114	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

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Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160393BS	n-Nitrosodimethylamine	1700	1300	ug/Kg	76				57	103	
	Pyridine	1700	1000	ug/Kg	59				28	98	
	Benzaldehyde	1700	0	ug/Kg	0		*		10	147	
	Aniline	1700	840	ug/Kg	49				38	100	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	1,2-Dichlorobenzene	1700	1400	ug/Kg	82				51	102	
	1,3-Dichlorobenzene	1700	1400	ug/Kg	82				52	99	
	1,4-Dichlorobenzene	1700	1500	ug/Kg	88				52	100	
	Benzyl Alcohol	1700	1400	ug/Kg	82				42	116	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1400	ug/Kg	82				55	104	
	3+4-Methylphenols	1700	1300	ug/Kg	76				58	111	
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1300	ug/Kg	76				57	101	
	Isophorone	1700	1300	ug/Kg	76				59	99	
	2-Nitrophenol	1700	1400	ug/Kg	82				61	111	
	2,4-Dimethylphenol	1700	1200	ug/Kg	71				67	119	
	bis(2-Chloroethoxy)methane	1700	1300	ug/Kg	76				53	105	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107	
	1,2,4-Trichlorobenzene	1700	1400	ug/Kg	82				44	110	
	Benzoic acid	1700	1400	ug/Kg	82				10	140	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	550	ug/Kg	32				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1400	ug/Kg	82				67	110	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	3100	ug/Kg	94				45	134	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1400	ug/Kg	82				66	101	
	Dimethylphthalate	1700	1300	ug/Kg	76				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1300	ug/Kg	76				61	104	
	3-Nitroaniline	1700	810	ug/Kg	48				28	100	
	Acenaphthene	1700	1300	ug/Kg	76				57	104	
	Total PAH	27200	22600	ug/Kg	83				57	104	
	2,4-Dinitrophenol	3300	2800	ug/Kg	85				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BG042024**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB160393BS	4-Nitrophenol	3300	3100	ug/Kg	94				48	119		
	Dibenzofuran	1700	1300	ug/Kg	76				63	99		
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106		
	2,4-Dinitrotoluene/2,6-Dinitro	3400	2800	ug/Kg	82				60	106		
	Diethylphthalate	1700	1400	ug/Kg	82				60	101		
	4-Chlorophenyl-phenylether	1700	1300	ug/Kg	76				58	98		
	Fluorene	1700	1300	ug/Kg	76				61	101		
	4-Nitroaniline	1700	1300	ug/Kg	76				64	103		
	4,6-Dinitro-2-methylphenol	1700	1400	ug/Kg	82				76	113		
	N-Nitrosodiphenylamine	1700	1300	ug/Kg	76				56	107		
	Azobenzene	1700	1300	ug/Kg	76				54	103		
	4-Bromophenyl-phenylether	1700	1300	ug/Kg	76				55	99		
	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98		
	Atrazine	1700	1600	ug/Kg	94				67	113		
	Pentachlorophenol	3300	2900	ug/Kg	88				67	105		
	Phenanthrene	1700	1400	ug/Kg	82				59	103		
	Anthracene	1700	1400	ug/Kg	82				61	105		
	Carbazole	1700	1400	ug/Kg	82				61	99		
	Di-n-butylphthalate	1700	1400	ug/Kg	82				58	104		
	Fluoranthene	1700	1400	ug/Kg	82				57	107		
	Benzidine	3300	1400	ug/Kg	42				10	98		
	Pyrene	1700	1400	ug/Kg	82				59	103		
	Butylbenzylphthalate	1700	1400	ug/Kg	82				55	103		
	3,3-Dichlorobenzidine	1700	1000	ug/Kg	59				42	91		
	Benzo(a)anthracene	1700	1400	ug/Kg	82				60	102		
	Chrysene	1700	1400	ug/Kg	82				59	101		
	bis(2-Ethylhexyl)phthalate	1700	1400	ug/Kg	82				63	111		
	Di-n-octyl phthalate	1700	1400	ug/Kg	82				70	108		
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109		
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				62	109		
	Benzo(a)pyrene	1700	1400	ug/Kg	82				63	103		
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101		
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112		
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108		
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101		
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96		
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				59	108		
	1-Methylnaphthalene	1700	1300	ug/Kg	76				70	130		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ICVBG042024

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG042024

SAS No.: BG042024 SDG NO.: BG042024

Lab File ID: BG060979.D

Lab Sample ID: SSTDICV040

Instrument ID: BNA_G

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 04/20/2024

Level: (low/med) LOW

Time Analyzed: 23:06

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBG042024	SSTDICV040	BG060979.D	04/20/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160321TB

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG042024

SAS No.: BG042024 SDG NO.: BG042024

Lab File ID: BG060980.D

Lab Sample ID: PB160321TB

Instrument ID: BNA_G

Date Extracted: 04/18/2024

Matrix: (soil/water) water

Date Analyzed: 04/20/2024

Level: (low/med) LOW

Time Analyzed: 23:47

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160321TB	PB160321TB	BG060980.D	04/20/2024
PB160349BS	PB160349BS	BG060981.D	04/21/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160360BS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG042024

SAS No.: BG042024 SDG NO.: BG042024

Lab File ID: BG060984.D

Lab Sample ID: PB160360BS

Instrument ID: BNA_G

Date Extracted: 04/18/2024

Matrix: (soil/water) Water

Date Analyzed: 04/21/2024

Level: (low/med) LOW

Time Analyzed: 02:31

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160360BS	PB160360BS	BG060984.D	04/21/2024
PB160360BSD	PB160360BSD	BG060985.D	04/21/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160393BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG042024

SAS No.: BG042024 SDG NO.: BG042024

Lab File ID: BG060983.D

Lab Sample ID: PB160393BL

Instrument ID: BNA_G

Date Extracted: 04/19/2024

Matrix: (soil/water) Solid

Date Analyzed: 04/21/2024

Level: (low/med) LOW

Time Analyzed: 01:50

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160393BS	PB160393BS	BG060982.D	04/21/2024

COMMENTS: _____



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BG042024

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SSTDICV040	ICVBG042024	BG060979.D	2-Fluorophenol	150	76,648.00	51099	*	10	139
			Phenol-d6	150	77,904.00	51936	*	10	134
			Nitrobenzene-d5	100	78,111.00	78111	*	49	133
			2-Fluorobiphenyl	100	77,427.00	77427	*	52	132
			2,4,6-Tribromophenol	150	77,445.00	51630	*	32	145
			Terphenyl-d14	100	76,257.00	76257	*	36	145



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Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BG042024

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160321TB	PB160321TB	BG060980.D	2-Fluorophenol	150	133.98	89		10	139
			Phenol-d6	150	128.67	86		10	134
			Nitrobenzene-d5	100	81.71	82		49	133
			2-Fluorobiphenyl	100	80.86	81		52	132
			2,4,6-Tribromophenol	150	133.16	89		32	145
			Terphenyl-d14	100	81.67	82		36	145
PB160349BS	PB160349BS	BG060981.D	2-Fluorophenol	150	155.82	104		10	139
			Phenol-d6	150	144.64	96		10	134
			Nitrobenzene-d5	100	88.35	88		49	133
			2-Fluorobiphenyl	100	86.75	87		52	132
			2,4,6-Tribromophenol	150	136.34	91		32	145
			Terphenyl-d14	100	86.62	87		36	145



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Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BG042024

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160360BS	PB160360BS	BG060984.D	2-Fluorophenol	150	146.22	97		10	139
			Phenol-d6	150	140.48	94		10	134
			Nitrobenzene-d5	100	81.61	82		49	133
			2-Fluorobiphenyl	100	84.62	85		52	132
			2,4,6-Tribromophenol	150	133.99	89		32	145
			Terphenyl-d14	100	82.10	82		36	145
PB160360BSD	PB160360BSD	BG060985.D	2-Fluorophenol	150	148.41	99		10	139
			Phenol-d6	150	143.63	96		10	134
			Nitrobenzene-d5	100	85.81	86		49	133
			2-Fluorobiphenyl	100	87.16	87		52	132
			2,4,6-Tribromophenol	150	135.06	90		32	145
			Terphenyl-d14	100	84.72	85		36	145



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BG042024

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160393BL	PB160393BL	BG060983.D	2-Fluorophenol	150	131.61	88		18	112
			Phenol-d6	150	128.06	85		15	107
			Nitrobenzene-d5	100	81.71	82		18	107
			2-Fluorobiphenyl	100	78.74	79		20	109
			2,4,6-Tribromophenol	150	129.65	86		10	110
			Terphenyl-d14	100	79.73	80		14	112
PB160393BS	PB160393BS	BG060982.D	2-Fluorophenol	150	131.51	88		18	112
			Phenol-d6	150	126.81	85		15	107
			Nitrobenzene-d5	100	75.45	75		18	107
			2-Fluorobiphenyl	100	75.06	75		20	109
			2,4,6-Tribromophenol	150	118.94	79		10	110
			Terphenyl-d14	100	77.08	77		14	112

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BG042024

Lab Code: CHEM

SAS No.: BG042024

SDG NO.: BG042024

Lab File ID: BG060970.D

DFTPP Injection Date: 04/20/2024

Instrument ID: BNA_G

DFTPP Injection Time: 16:11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.9
68	Less than 2.0% of mass 69	0.2 (1) 1
69	Mass 69 relative abundance	24.6
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	29.8
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.1
275	10.0 - 60.0% of mass 198	29
365	Greater than 1% of mass 198	5
441	Present, but less than mass 443	16
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BG060971.D	04/20/2024	16:57
SSTDICC005	SSTDICC005	BG060972.D	04/20/2024	17:38
SSTDICC010	SSTDICC010	BG060973.D	04/20/2024	18:19
SSTDICC020	SSTDICC020	BG060974.D	04/20/2024	19:00
SSTDICCC040	SSTDICCC040	BG060975.D	04/20/2024	19:41
SSTDICC050	SSTDICC050	BG060976.D	04/20/2024	20:22
SSTDICC060	SSTDICC060	BG060977.D	04/20/2024	21:03
SSTDICC080	SSTDICC080	BG060978.D	04/20/2024	21:45
ICVBG042024	SSTDICV040	BG060979.D	04/20/2024	23:06
PB160321TB	PB160321TB	BG060980.D	04/20/2024	23:47
PB160349BS	PB160349BS	BG060981.D	04/21/2024	00:28
PB160393BS	PB160393BS	BG060982.D	04/21/2024	01:09
PB160393BL	PB160393BL	BG060983.D	04/21/2024	01:50
PB160360BS	PB160360BS	BG060984.D	04/21/2024	02:31
PB160360BSD	PB160360BSD	BG060985.D	04/21/2024	03:12