

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG011124 SAS No.: BG011124 SDG No.: BG011124

Instrument ID: BNA_G Calibration Date/Time: 1/11/2024 1:11:47

Lab File ID: BG060305.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.490	0.553		12.857	
Pyridine	1.567	1.703		8.679	
2-Fluorophenol	1.216	1.350		11.02	
Benzaldehyde	1.034	1.031		-0.29	
Aniline	1.800	2.013		11.833	
Phenol-d6	1.801	2.018		12.049	
Phenol	1.805	1.996		10.582	20.0
bis(2-Chloroethyl)ether	1.471	1.554		5.642	
2-Chlorophenol	1.205	1.302		8.05	
1,2-Dichlorobenzene	1.578	1.574		-0.253	
1,3-Dichlorobenzene	1.513	1.531		1.19	
1,4-Dichlorobenzene	1.535	1.539		0.261	20.0
Benzyl Alcohol	1.166	1.327		13.808	
2-Methylphenol	1.240	1.322		6.613	
2,2-oxybis(1-Chloropropane)	1.785	1.814		1.625	
Acetophenone	0.550	0.557		1.273	
3+4-Methylphenols	1.672	1.866		11.603	
n-Nitroso-di-n-propylamine	1.246	1.398	0.050	12.199	
Nitrobenzene-d5	0.424	0.485		14.387	
Hexachloroethane	0.538	0.515		-4.275	
Nitrobenzene	0.439	0.449		2.278	
Isophorone	0.851	0.886		4.113	
2-Nitrophenol	0.161	0.170		5.59	20.0
2,4-Dimethylphenol	0.213	0.221		3.756	
bis(2-Chloroethoxy)methane	0.520	0.514		-1.154	
2,4-Dichlorophenol	0.346	0.353		2.023	20.0
1,2,4-Trichlorobenzene	0.430	0.403		-6.279	
Benzoic acid	0.154	0.169		9.74	
Naphthalene	1.048	1.053		0.477	
4-Chloroaniline	0.404	0.429		6.188	
Hexachlorobutadiene	0.280	0.258		-7.857	20.0
Caprolactam	0.111	0.137		23.423	
4-Chloro-3-methylphenol	0.351	0.381		8.547	20.0
2-Methylnaphthalene	0.778	0.785		0.9	
Hexachlorocyclopentadiene	0.236	0.210	0.050	-11.017	
2,4,6-Trichlorophenol	0.452	0.429		-5.088	20.0
2-Fluorobiphenyl	1.439	1.416		-1.598	
2,4,5-Trichlorophenol	0.499	0.494		-1.002	
1,1-Biphenyl	1.510	1.394		-7.682	
2-Chloronaphthalene	1.293	1.198		-7.347	
2-Nitroaniline	0.322	0.362		12.422	

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 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.528	1.561		2.16	
Acenaphthylene	1.781	1.762		-1.067	
2,6-Dinitrotoluene	0.326	0.365		11.963	
3-Nitroaniline	0.297	0.344		15.825	
Acenaphthene	1.109	1.105		-0.361	20.0
2,4-Dinitrophenol	0.155	0.191	0.050	23.226	
4-Nitrophenol	0.220	0.276	0.050	25.455	
Dibenzofuran	1.851	1.877		1.405	
2,4-Dinitrotoluene	0.447	0.514		14.989	
Diethylphthalate	1.467	1.553		5.862	
4-Chlorophenyl-phenylether	0.845	0.824		-2.485	
Fluorene	1.533	1.538		0.326	
4-Nitroaniline	0.316	0.365		15.506	
4,6-Dinitro-2-methylphenol	0.111	0.120		8.108	
n-Nitrosodiphenylamine	0.531	0.521		-1.883	20.0
Azobenzene	1.484	1.518		2.291	
2,4,6-Tribromophenol	0.294	0.304		3.401	
4-Bromophenyl-phenylether	0.220	0.211		-4.091	
Hexachlorobenzene	0.260	0.247		-5.0	
Atrazine	0.200	0.185		-7.5	
Pentachlorophenol	0.140	0.163		16.429	20.0
Phenanthrene	0.967	0.941		-2.689	
Anthracene	0.965	0.937		-2.902	
Carbazole	0.910	0.913		0.33	
Di-n-butylphthalate	0.936	0.945		0.962	
Fluoranthene	1.161	1.106		-4.737	20.0
Benzidine	0.435	0.404		-7.126	
Pyrene	1.277	1.209		-5.325	
Terphenyl-d14	0.938	0.804		-14.286	
Butylbenzylphthalate	0.439	0.471		7.289	
3,3-Dichlorobenzidine	0.474	0.479		1.055	
Benzo (a) anthracene	1.238	1.210		-2.262	
Chrysene	1.218	1.167		-4.187	
Bis (2-ethylhexyl) phthalate	0.664	0.697		4.97	
Di-n-octyl phthalate	1.076	1.139		5.855	20.0
Benzo (b) fluoranthene	1.182	1.185		0.254	
Benzo (k) fluoranthene	1.166	1.157		-0.772	
Benzo (a) pyrene	1.067	1.069		0.187	20.0
Indeno (1,2,3-cd) pyrene	1.391	1.413		1.582	
Dibenzo (a,h) anthracene	1.136	1.148		1.056	
Benzo (g,h,i) perylene	1.164	1.167		0.258	



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Lab File ID: BG060305.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.710	0.624		-12.113	
1,4-Dioxane	0.555	0.548		-1.261	20.0
2,3,4,6-Tetrachlorophenol	0.423	0.454		7.329	
1-Methylnaphthalene	0.781	0.783		0.256	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	1/10/2024 12:00:00 AM
Project:		Date Received:	1/10/2024 12:00:00 AM
Client Sample ID:	PB158244TB	SDG No.:	BG011124
Lab Sample ID:	PB158244TB	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
BG060306.D	1	1/10/2024 12:00:00 AM	1/11/2024 12:00:00 AM	PB158353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	20.2	U	20.2	80	100	ug/L
110-86-1	Pyridine	17.8	U	17.8	40	50	ug/L
100-52-7	Benzaldehyde	32.8	U	32.8	80	100	ug/L
62-53-3	Aniline	24.2	U	24.2	40	50	ug/L
108-95-2	Phenol	14.8	U	14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	16.5	U	16.5	40	50	ug/L
95-57-8	2-Chlorophenol	13.5	U	13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	12.5	U	12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	17.4	U	17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	14.3	U	14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	23.8	U	23.8	80	100	ug/L
95-48-7	2-Methylphenol	20.6	U	20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	22.6	U	22.6	40	50	ug/L
98-86-2	Acetophenone	17.9	U	17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	21.6	U	21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	19.8	U	19.8	25	25	ug/L
67-72-1	Hexachloroethane	16.4	U	16.4	40	50	ug/L
98-95-3	Nitrobenzene	17.2	U	17.2	40	50	ug/L
78-59-1	Isophorone	17.1	U	17.1	40	50	ug/L
88-75-5	2-Nitrophenol	23.8	U	23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	29.6	U	29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	20.4	U	20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	16.9	U	16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	17	U	17	40	50	ug/L
65-85-0	Benzoic acid	66.5	U	66.5	80	100	ug/L
91-20-3	Naphthalene	16.9	U	16.9	40	50	ug/L
106-47-8	4-Chloroaniline	25.4	U	25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	19.3	U	19.3	40	50	ug/L
105-60-2	Caprolactam	34.3	U	34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	17.5	U	17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	22.3	U	22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	1/10/2024 12:00:00 AM
Project:		Date Received:	1/10/2024 12:00:00 AM
Client Sample ID:	PB158244TB	SDG No.:	BG011124
Lab Sample ID:	PB158244TB	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
BG060306.D	1	1/10/2024 12:00:00 AM	1/11/2024 12:00:00 AM	PB158353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	57.4	U	57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	15.2	U	15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	15.7	U	15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	17.9	U	17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	15.9	U	15.9	40	50	ug/L
88-74-4	2-Nitroaniline	23.7	U	23.7	40	50	ug/L
131-11-3	Dimethylphthalate	18.8	U	18.8	40	50	ug/L
208-96-8	Acenaphthylene	21.4	U	21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	21	U	21	40	50	ug/L
99-09-2	3-Nitroaniline	23.6	U	23.6	40	50	ug/L
83-32-9	Acenaphthene	17.2	U	17.2	40	50	ug/L
Total PAH	Total PAH	309	U	309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	54.5	U	54.5	80	100	ug/L
100-02-7	4-Nitrophenol	28	U	28	80	100	ug/L
132-64-9	Dibenzofuran	15.8	U	15.8	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	25.4	U	25.4	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	46.4	U	46.4	40	100	ug/L
84-66-2	Diethylphthalate	20.5	U	20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	22.2	U	22.2	40	50	ug/L
86-73-7	Fluorene	20.4	U	20.4	40	50	ug/L
100-01-6	4-Nitroaniline	23.4	U	23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	19.5	U	19.5	40	50	ug/L
103-33-3	Azobenzene	16.4	U	16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	19.5	U	19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	19.1	U	19.1	40	50	ug/L
1912-24-9	Atrazine	35	U	35	40	50	ug/L
87-86-5	Pentachlorophenol	25.5	U	25.5	80	100	ug/L
85-01-8	Phenanthrene	20	U	20	40	50	ug/L
120-12-7	Anthracene	22.8	U	22.8	40	50	ug/L
86-74-8	Carbazole	17	U	17	40	50	ug/L
84-74-2	Di-n-butylphthalate	24	U	24	40	50	ug/L
206-44-0	Fluoranthene	20.5	U	20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	1/10/2024 12:00:00 AM
Project:		Date Received:	1/10/2024 12:00:00 AM
Client Sample ID:	PB158244TB	SDG No.:	BG011124
Lab Sample ID:	PB158244TB	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
BG060306.D	1	1/10/2024 12:00:00 AM	1/11/2024 12:00:00 AM	PB158353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	143.068		10-139		95	SPK: -150
13127-88-3	Phenol-d6	150.046		10-134		100	SPK: -150
4165-60-0	Nitrobenzene-d5	96.65		49-133		97	SPK: -100
321-60-8	2-Fluorobiphenyl	87.906		52-132		88	SPK: -100
118-79-6	2,4,6-Tribromophenol	141.643		32-145		94	SPK: -150
1718-51-0	Terphenyl-d14	84.238		36-145		84	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	193384	7.932				
1146-65-2	Naphthalene-d8	772296	10.734				
15067-26-2	Acenaphthene-d10	596695	14.565				
1517-22-2	Phenanthrene-d10	1700896	17.315				
1719-03-5	Chrysene-d12	1833942	21.58				
1520-96-3	Perylene-d12	2077023	24.747				

Report of Analysis

Client:		Date Collected:	1/10/2024 12:00:00 AM
Project:		Date Received:	1/10/2024 12:00:00 AM
Client Sample ID:	PB158244TB	SDG No.:	BG011124
Lab Sample ID:	PB158244TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 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
BG060306.D	1	1/10/2024 12:00:00 AM	1/11/2024 12:00:00 AM	PB158353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	1/10/2024 12:00:00 AM
Project:		Date Received:	1/10/2024 12:00:00 AM
Client Sample ID:	PB158317TB	SDG No.:	BG011124
Lab Sample ID:	PB158317TB	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
BG060307.D	1	1/10/2024 12:00:00 AM	1/11/2024 12:00:00 AM	PB158353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	20.2	U	20.2	80	100	ug/L
110-86-1	Pyridine	17.8	U	17.8	40	50	ug/L
100-52-7	Benzaldehyde	32.8	U	32.8	80	100	ug/L
62-53-3	Aniline	24.2	U	24.2	40	50	ug/L
108-95-2	Phenol	14.8	U	14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	16.5	U	16.5	40	50	ug/L
95-57-8	2-Chlorophenol	13.5	U	13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	12.5	U	12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	17.4	U	17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	14.3	U	14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	23.8	U	23.8	80	100	ug/L
95-48-7	2-Methylphenol	20.6	U	20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	22.6	U	22.6	40	50	ug/L
98-86-2	Acetophenone	17.9	U	17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	21.6	U	21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	19.8	U	19.8	25	25	ug/L
67-72-1	Hexachloroethane	16.4	U	16.4	40	50	ug/L
98-95-3	Nitrobenzene	17.2	U	17.2	40	50	ug/L
78-59-1	Isophorone	17.1	U	17.1	40	50	ug/L
88-75-5	2-Nitrophenol	23.8	U	23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	29.6	U	29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	20.4	U	20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	16.9	U	16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	17	U	17	40	50	ug/L
65-85-0	Benzoic acid	66.5	U	66.5	80	100	ug/L
91-20-3	Naphthalene	16.9	U	16.9	40	50	ug/L
106-47-8	4-Chloroaniline	25.4	U	25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	19.3	U	19.3	40	50	ug/L
105-60-2	Caprolactam	34.3	U	34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	17.5	U	17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	22.3	U	22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	1/10/2024 12:00:00 AM
Project:		Date Received:	1/10/2024 12:00:00 AM
Client Sample ID:	PB158317TB	SDG No.:	BG011124
Lab Sample ID:	PB158317TB	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
BG060307.D	1	1/10/2024 12:00:00 AM	1/11/2024 12:00:00 AM	PB158353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	57.4	U	57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	15.2	U	15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	15.7	U	15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	17.9	U	17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	15.9	U	15.9	40	50	ug/L
88-74-4	2-Nitroaniline	23.7	U	23.7	40	50	ug/L
131-11-3	Dimethylphthalate	18.8	U	18.8	40	50	ug/L
208-96-8	Acenaphthylene	21.4	U	21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	21	U	21	40	50	ug/L
99-09-2	3-Nitroaniline	23.6	U	23.6	40	50	ug/L
83-32-9	Acenaphthene	17.2	U	17.2	40	50	ug/L
Total PAH	Total PAH	309	U	309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	54.5	U	54.5	80	100	ug/L
100-02-7	4-Nitrophenol	28	U	28	80	100	ug/L
132-64-9	Dibenzofuran	15.8	U	15.8	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	25.4	U	25.4	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	46.4	U	46.4	40	100	ug/L
84-66-2	Diethylphthalate	20.5	U	20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	22.2	U	22.2	40	50	ug/L
86-73-7	Fluorene	20.4	U	20.4	40	50	ug/L
100-01-6	4-Nitroaniline	23.4	U	23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	19.5	U	19.5	40	50	ug/L
103-33-3	Azobenzene	16.4	U	16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	19.5	U	19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	19.1	U	19.1	40	50	ug/L
1912-24-9	Atrazine	35	U	35	40	50	ug/L
87-86-5	Pentachlorophenol	25.5	U	25.5	80	100	ug/L
85-01-8	Phenanthrene	20	U	20	40	50	ug/L
120-12-7	Anthracene	22.8	U	22.8	40	50	ug/L
86-74-8	Carbazole	17	U	17	40	50	ug/L
84-74-2	Di-n-butylphthalate	24	U	24	40	50	ug/L
206-44-0	Fluoranthene	20.5	U	20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	1/10/2024 12:00:00 AM
Project:		Date Received:	1/10/2024 12:00:00 AM
Client Sample ID:	PB158317TB	SDG No.:	BG011124
Lab Sample ID:	PB158317TB	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
BG060307.D	1	1/10/2024 12:00:00 AM	1/11/2024 12:00:00 AM	PB158353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	175.081		10-139		117	SPK: -150
13127-88-3	Phenol-d6	150.576		10-134		100	SPK: -150
4165-60-0	Nitrobenzene-d5	95.188		49-133		95	SPK: -100
321-60-8	2-Fluorobiphenyl	90.236		52-132		90	SPK: -100
118-79-6	2,4,6-Tribromophenol	135.993		32-145		91	SPK: -150
1718-51-0	Terphenyl-d14	91.352		36-145		91	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	173919	7.932				
1146-65-2	Naphthalene-d8	692239	10.735				
15067-26-2	Acenaphthene-d10	539370	14.566				
1517-22-2	Phenanthrene-d10	1559779	17.316				
1719-03-5	Chrysene-d12	1704006	21.581				
1520-96-3	Perylene-d12	1864066	24.748				

Report of Analysis

Client:		Date Collected:	1/10/2024 12:00:00 AM
Project:		Date Received:	1/10/2024 12:00:00 AM
Client Sample ID:	PB158317TB	SDG No.:	BG011124
Lab Sample ID:	PB158317TB	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
BG060307.D	1	1/10/2024 12:00:00 AM	1/11/2024 12:00:00 AM	PB158353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	1/9/2024 12:00:00 AM
Project:		Date Received:	1/9/2024 12:00:00 AM
Client Sample ID:	COMP-1	SDG No.:	BG011124
Lab Sample ID:	P1100-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060308.D	1	1/11/2024 12:00:00 AM	1/11/2024 12:00:00 AM	PB158373

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	370	450	ug/Kg
110-86-1	Pyridine	98.9	U	98.9	180	230	ug/Kg
100-52-7	Benzaldehyde	200	U	200	370	450	ug/Kg
62-53-3	Aniline	160	U	160	180	230	ug/Kg
108-95-2	Phenol	100	U	100	180	230	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	180	230	ug/Kg
95-57-8	2-Chlorophenol	98.3	U	98.3	180	230	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	180	230	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	U	120	180	230	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	180	230	ug/Kg
100-51-6	Benzyl Alcohol	130	U	130	370	450	ug/Kg
95-48-7	2-Methylphenol	160	U	160	180	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	140	180	230	ug/Kg
98-86-2	Acetophenone	120	U	120	180	230	ug/Kg
65794-96-9	3+4-Methylphenols	150	U	150	370	450	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	80.6	U	80.6	110	110	ug/Kg
67-72-1	Hexachloroethane	100	U	100	180	230	ug/Kg
98-95-3	Nitrobenzene	100	U	100	180	230	ug/Kg
78-59-1	Isophorone	93	U	93	180	230	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	180	230	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	140	180	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	150	180	230	ug/Kg
120-83-2	2,4-Dichlorophenol	110	U	110	180	230	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	180	230	ug/Kg
65-85-0	Benzoic acid	290	U	290	370	450	ug/Kg
91-20-3	Naphthalene	110	U	110	180	230	ug/Kg
106-47-8	4-Chloroaniline	140	U	140	180	230	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	180	230	ug/Kg
105-60-2	Caprolactam	160	U	160	370	450	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	180	230	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	130	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	1/9/2024 12:00:00 AM
Project:		Date Received:	1/9/2024 12:00:00 AM
Client Sample ID:	COMP-1	SDG No.:	BG011124
Lab Sample ID:	P1100-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060308.D	1	1/11/2024 12:00:00 AM	1/11/2024 12:00:00 AM	PB158373

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	290	U	290	370	450	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	180	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	120	U	120	180	230	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	180	230	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	180	230	ug/Kg
88-74-4	2-Nitroaniline	140	U	140	180	230	ug/Kg
131-11-3	Dimethylphthalate	120	U	120	180	230	ug/Kg
208-96-8	Acenaphthylene	120	U	120	180	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	U	120	180	230	ug/Kg
99-09-2	3-Nitroaniline	130	U	130	180	230	ug/Kg
83-32-9	Acenaphthene	110	U	110	180	230	ug/Kg
Total PAH	Total PAH	1970	U	1970	180	3680	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	370	450	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	370	450	ug/Kg
132-64-9	Dibenzofuran	110	U	110	180	230	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	260	U	260	180	460	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	140	180	230	ug/Kg
84-66-2	Diethylphthalate	120	U	120	180	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	180	230	ug/Kg
86-73-7	Fluorene	120	U	120	180	230	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	180	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	370	450	ug/Kg
86-30-6	n-Nitrosodiphenylamine	130	U	130	180	230	ug/Kg
103-33-3	Azobenzene	100	U	100	180	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	130	U	130	180	230	ug/Kg
118-74-1	Hexachlorobenzene	130	U	130	180	230	ug/Kg
1912-24-9	Atrazine	130	U	130	180	230	ug/Kg
87-86-5	Pentachlorophenol	150	U	150	370	450	ug/Kg
85-01-8	Phenanthrene	130	U	130	180	230	ug/Kg
120-12-7	Anthracene	140	U	140	180	230	ug/Kg
86-74-8	Carbazole	120	U	120	180	230	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	140	180	230	ug/Kg
206-44-0	Fluoranthene	130	U	130	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	1/9/2024 12:00:00 AM
Project:		Date Received:	1/9/2024 12:00:00 AM
Client Sample ID:	COMP-1	SDG No.:	BG011124
Lab Sample ID:	P1100-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27
Sample Wt/Vol:	30.09	Units:	g
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
BG060308.D	1	1/11/2024 12:00:00 AM	1/11/2024 12:00:00 AM	PB158373

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	260	U	260	370	450	ug/Kg
129-00-0	Pyrene	110	U	110	180	230	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	140	180	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	220	U	220	370	450	ug/Kg
56-55-3	Benzo(a)anthracene	110	U	110	180	230	ug/Kg
218-01-9	Chrysene	120	U	120	180	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	160	180	230	ug/Kg
117-84-0	Di-n-octyl phthalate	170	U	170	370	450	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	U	110	180	230	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	U	120	180	230	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	130	180	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	150	180	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	U	130	180	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	U	130	180	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	180	230	ug/Kg
123-91-1	1,4-Dioxane	160	U	160	180	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	U	110	180	230	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	230	230	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	110.012		18-112		73	SPK: -150
13127-88-3	Phenol-d6	105.202		15-107		70	SPK: -150
4165-60-0	Nitrobenzene-d5	69.948		18-107		70	SPK: -100
321-60-8	2-Fluorobiphenyl	66.533		20-109		67	SPK: -100
118-79-6	2,4,6-Tribromophenol	101.778		10-110		68	SPK: -150
1718-51-0	Terphenyl-d14	70.33		14-112		70	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	253083	7.932				
1146-65-2	Naphthalene-d8	950152	10.735				
15067-26-2	Acenaphthene-d10	692773	14.572				
1517-22-2	Phenanthrene-d10	1649549	17.315				
1719-03-5	Chrysene-d12	1630345	21.581				
1520-96-3	Perylene-d12	1898849	24.748				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	1/9/2024 12:00:00 AM
Project:		Date Received:	1/9/2024 12:00:00 AM
Client Sample ID:	COMP-1	SDG No.:	BG011124
Lab Sample ID:	P1100-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27
Sample Wt/Vol:	30.09	Units:	g
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
BG060308.D	1	1/11/2024 12:00:00 AM	1/11/2024 12:00:00 AM	PB158373

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	A			5.036	
000640-61-9	Benzenesulfonamide, N,4-dimethyl-	120	J			16.258	
017312-62-8	Decane, 5-propyl-	97	J			19.172	
006971-40-0	17-Pentatriacontene	160	J			21.223	
007683-64-9	Supraene	410	J			21.81	

Report of Analysis

Client:		Date Collected:	1/9/2024 12:00:00 AM
Project:		Date Received:	1/9/2024 12:00:00 AM
Client Sample ID:	COMP-1MS	SDG No.:	BG011124
Lab Sample ID:	P1100-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060309.D	1	1/11/2024 12:00:00 AM	1/11/2024 12:00:00 AM	PB158373

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1800		110	370	450	ug/Kg
110-86-1	Pyridine	1400		99	180	230	ug/Kg
100-52-7	Benzaldehyde	440	J	200	370	450	ug/Kg
62-53-3	Aniline	1600		160	180	230	ug/Kg
108-95-2	Phenol	2100		100	180	230	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1800		120	180	230	ug/Kg
95-57-8	2-Chlorophenol	2000		98.5	180	230	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		110	180	230	ug/Kg
541-73-1	1,3-Dichlorobenzene	1700		120	180	230	ug/Kg
106-46-7	1,4-Dichlorobenzene	1700		110	180	230	ug/Kg
100-51-6	Benzyl Alcohol	2000		140	370	450	ug/Kg
95-48-7	2-Methylphenol	1900		160	180	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		140	180	230	ug/Kg
98-86-2	Acetophenone	1700		120	180	230	ug/Kg
65794-96-9	3+4-Methylphenols	1800		150	370	450	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		80.7	110	110	ug/Kg
67-72-1	Hexachloroethane	1600		100	180	230	ug/Kg
98-95-3	Nitrobenzene	1600		100	180	230	ug/Kg
78-59-1	Isophorone	1500		93.2	180	230	ug/Kg
88-75-5	2-Nitrophenol	1900		130	180	230	ug/Kg
105-67-9	2,4-Dimethylphenol	2300		140	180	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		150	180	230	ug/Kg
120-83-2	2,4-Dichlorophenol	2000		110	180	230	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1700		110	180	230	ug/Kg
65-85-0	Benzoic acid	1400		290	370	450	ug/Kg
91-20-3	Naphthalene	1700		110	180	230	ug/Kg
106-47-8	4-Chloroaniline	1100		140	180	230	ug/Kg
87-68-3	Hexachlorobutadiene	1400		110	180	230	ug/Kg
105-60-2	Caprolactam	1900		160	370	450	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		110	180	230	ug/Kg
91-57-6	2-Methylnaphthalene	1600		130	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	1/9/2024 12:00:00 AM
Project:		Date Received:	1/9/2024 12:00:00 AM
Client Sample ID:	COMP-1MS	SDG No.:	BG011124
Lab Sample ID:	P1100-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060309.D	1	1/11/2024 12:00:00 AM	1/11/2024 12:00:00 AM	PB158373

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5000	E	290	370	450	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		110	180	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1900		120	180	230	ug/Kg
92-52-4	1,1-Biphenyl	1800		120	180	230	ug/Kg
91-58-7	2-Chloronaphthalene	1700		120	180	230	ug/Kg
88-74-4	2-Nitroaniline	2000		140	180	230	ug/Kg
131-11-3	Dimethylphthalate	1700		120	180	230	ug/Kg
208-96-8	Acenaphthylene	2000		120	180	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		120	180	230	ug/Kg
99-09-2	3-Nitroaniline	1400		130	180	230	ug/Kg
83-32-9	Acenaphthene	1800		110	180	230	ug/Kg
Total PAH	Total PAH	28600		1970	180	3680	ug/Kg
51-28-5	2,4-Dinitrophenol	1800		250	370	450	ug/Kg
100-02-7	4-Nitrophenol	4200	E	160	370	450	ug/Kg
132-64-9	Dibenzofuran	1800		110	180	230	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		140	180	230	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3700		260	180	460	ug/Kg
84-66-2	Diethylphthalate	1700		120	180	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		120	180	230	ug/Kg
86-73-7	Fluorene	1800		120	180	230	ug/Kg
100-01-6	4-Nitroaniline	1800		140	180	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1300		120	370	450	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		130	180	230	ug/Kg
103-33-3	Azobenzene	1800		100	180	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		130	180	230	ug/Kg
118-74-1	Hexachlorobenzene	1700		140	180	230	ug/Kg
1912-24-9	Atrazine	1900		130	180	230	ug/Kg
87-86-5	Pentachlorophenol	3300		150	370	450	ug/Kg
85-01-8	Phenanthrene	1800		130	180	230	ug/Kg
120-12-7	Anthracene	1800		140	180	230	ug/Kg
86-74-8	Carbazole	1800		120	180	230	ug/Kg
84-74-2	Di-n-butylphthalate	1800		140	180	230	ug/Kg
206-44-0	Fluoranthene	1700		130	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	1/9/2024 12:00:00 AM
Project:		Date Received:	1/9/2024 12:00:00 AM
Client Sample ID:	COMP-1MS	SDG No.:	BG011124
Lab Sample ID:	P1100-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27
Sample Wt/Vol:	30.04	Units:	g
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
BG060309.D	1	1/11/2024 12:00:00 AM	1/11/2024 12:00:00 AM	PB158373

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	2300		260	370	450	ug/Kg
129-00-0	Pyrene	1800		110	180	230	ug/Kg
85-68-7	Butylbenzylphthalate	2000		140	180	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		220	370	450	ug/Kg
56-55-3	Benzo(a)anthracene	1800		110	180	230	ug/Kg
218-01-9	Chrysene	1700		120	180	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		160	180	230	ug/Kg
117-84-0	Di-n-octyl phthalate	2000		170	370	450	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		110	180	230	ug/Kg
207-08-9	Benzo(k)fluoranthene	1800		120	180	230	ug/Kg
50-32-8	Benzo(a)pyrene	1800		130	180	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		150	180	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		130	180	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		130	180	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		120	180	230	ug/Kg
123-91-1	1,4-Dioxane	1500		160	180	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		110	180	230	ug/Kg
90-12-0	1-Methylnaphthalene	1500		120	230	230	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	95.295		18-112		64	SPK: -150
13127-88-3	Phenol-d6	95.478		15-107		64	SPK: -150
4165-60-0	Nitrobenzene-d5	54.743		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	56.714		20-109		57	SPK: -100
118-79-6	2,4,6-Tribromophenol	88.962		10-110		59	SPK: -150
1718-51-0	Terphenyl-d14	59.218		14-112		59	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	264293	7.93				
1146-65-2	Naphthalene-d8	1126794	10.732				
15067-26-2	Acenaphthene-d10	761568	14.563				
1517-22-2	Phenanthrene-d10	1900828	17.319				
1719-03-5	Chrysene-d12	1683487	21.579				
1520-96-3	Perylene-d12	1879243	24.745				



Report of Analysis

Client:		Date Collected:	1/9/2024 12:00:00 AM
Project:		Date Received:	1/9/2024 12:00:00 AM
Client Sample ID:	COMP-1MS	SDG No.:	BG011124
Lab Sample ID:	P1100-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 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
BG060309.D	1	1/11/2024 12:00:00 AM	1/11/2024 12:00:00 AM	PB158373

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	1/9/2024 12:00:00 AM
Project:		Date Received:	1/9/2024 12:00:00 AM
Client Sample ID:	COMP-1MSD	SDG No.:	BG011124
Lab Sample ID:	P1100-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27
Sample Wt/Vol:	30.06 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
BG060310.D	1	1/11/2024 12:00:00 AM	1/11/2024 12:00:00 AM	PB158373

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2000		110	370	450	ug/Kg
110-86-1	Pyridine	1600		99	180	230	ug/Kg
100-52-7	Benzaldehyde	520		200	370	450	ug/Kg
62-53-3	Aniline	1700		160	180	230	ug/Kg
108-95-2	Phenol	2400		100	180	230	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2000		120	180	230	ug/Kg
95-57-8	2-Chlorophenol	2200		98.4	180	230	ug/Kg
95-50-1	1,2-Dichlorobenzene	1800		110	180	230	ug/Kg
541-73-1	1,3-Dichlorobenzene	1800		120	180	230	ug/Kg
106-46-7	1,4-Dichlorobenzene	1900		110	180	230	ug/Kg
100-51-6	Benzyl Alcohol	2200		140	370	450	ug/Kg
95-48-7	2-Methylphenol	2000		160	180	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1900		140	180	230	ug/Kg
98-86-2	Acetophenone	2100		120	180	230	ug/Kg
65794-96-9	3+4-Methylphenols	2100		150	370	450	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1900		80.7	110	110	ug/Kg
67-72-1	Hexachloroethane	1800		100	180	230	ug/Kg
98-95-3	Nitrobenzene	1900		100	180	230	ug/Kg
78-59-1	Isophorone	1900		93.1	180	230	ug/Kg
88-75-5	2-Nitrophenol	2200		130	180	230	ug/Kg
105-67-9	2,4-Dimethylphenol	2600		140	180	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1900		150	180	230	ug/Kg
120-83-2	2,4-Dichlorophenol	2200		110	180	230	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1900		110	180	230	ug/Kg
65-85-0	Benzoic acid	1800		290	370	450	ug/Kg
91-20-3	Naphthalene	1900		110	180	230	ug/Kg
106-47-8	4-Chloroaniline	1300		140	180	230	ug/Kg
87-68-3	Hexachlorobutadiene	1800		110	180	230	ug/Kg
105-60-2	Caprolactam	2300		160	370	450	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2200		110	180	230	ug/Kg
91-57-6	2-Methylnaphthalene	1900		130	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	1/9/2024 12:00:00 AM
Project:		Date Received:	1/9/2024 12:00:00 AM
Client Sample ID:	COMP-1MSD	SDG No.:	BG011124
Lab Sample ID:	P1100-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27
Sample Wt/Vol:	30.06 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
BG060310.D	1	1/11/2024 12:00:00 AM	1/11/2024 12:00:00 AM	PB158373

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5700	E	290	370	450	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2100		110	180	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2200		120	180	230	ug/Kg
92-52-4	1,1-Biphenyl	2000		120	180	230	ug/Kg
91-58-7	2-Chloronaphthalene	1900		120	180	230	ug/Kg
88-74-4	2-Nitroaniline	2300		140	180	230	ug/Kg
131-11-3	Dimethylphthalate	2000		120	180	230	ug/Kg
208-96-8	Acenaphthylene	2200		120	180	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	2100		120	180	230	ug/Kg
99-09-2	3-Nitroaniline	1700		130	180	230	ug/Kg
83-32-9	Acenaphthene	2000		110	180	230	ug/Kg
Total PAH	Total PAH	32500		1970	180	3680	ug/Kg
51-28-5	2,4-Dinitrophenol	2700		250	370	450	ug/Kg
100-02-7	4-Nitrophenol	5100	E	160	370	450	ug/Kg
132-64-9	Dibenzofuran	2100		110	180	230	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4300		260	180	460	ug/Kg
121-14-2	2,4-Dinitrotoluene	2200		140	180	230	ug/Kg
84-66-2	Diethylphthalate	2000		120	180	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1900		120	180	230	ug/Kg
86-73-7	Fluorene	2000		120	180	230	ug/Kg
100-01-6	4-Nitroaniline	2200		140	180	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		120	370	450	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2100		130	180	230	ug/Kg
103-33-3	Azobenzene	2000		100	180	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900		130	180	230	ug/Kg
118-74-1	Hexachlorobenzene	1900		140	180	230	ug/Kg
1912-24-9	Atrazine	2300		130	180	230	ug/Kg
87-86-5	Pentachlorophenol	4300	E	150	370	450	ug/Kg
85-01-8	Phenanthrene	2100		130	180	230	ug/Kg
120-12-7	Anthracene	2100		140	180	230	ug/Kg
86-74-8	Carbazole	2000		120	180	230	ug/Kg
84-74-2	Di-n-butylphthalate	2000		140	180	230	ug/Kg
206-44-0	Fluoranthene	2000		130	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	1/9/2024 12:00:00 AM
Project:		Date Received:	1/9/2024 12:00:00 AM
Client Sample ID:	COMP-1MSD	SDG No.:	BG011124
Lab Sample ID:	P1100-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27
Sample Wt/Vol:	30.06 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
BG060310.D	1	1/11/2024 12:00:00 AM	1/11/2024 12:00:00 AM	PB158373

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	2700		260	370	450	ug/Kg
129-00-0	Pyrene	1900		110	180	230	ug/Kg
85-68-7	Butylbenzylphthalate	2200		140	180	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1500		220	370	450	ug/Kg
56-55-3	Benzo(a)anthracene	2000		110	180	230	ug/Kg
218-01-9	Chrysene	2000		120	180	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2200		160	180	230	ug/Kg
117-84-0	Di-n-octyl phthalate	2200		170	370	450	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		110	180	230	ug/Kg
207-08-9	Benzo(k)fluoranthene	2000		120	180	230	ug/Kg
50-32-8	Benzo(a)pyrene	2100		130	180	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2100		150	180	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2100		130	180	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2000		130	180	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2000		120	180	230	ug/Kg
123-91-1	1,4-Dioxane	1800		160	180	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2300		110	180	230	ug/Kg
90-12-0	1-Methylnaphthalene	1900		120	230	230	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	109.113		18-112		73	SPK: -150
13127-88-3	Phenol-d6	109.983		15-107		73	SPK: -150
4165-60-0	Nitrobenzene-d5	67.791		18-107		68	SPK: -100
321-60-8	2-Fluorobiphenyl	63.651		20-109		64	SPK: -100
118-79-6	2,4,6-Tribromophenol	102.827		10-110		69	SPK: -150
1718-51-0	Terphenyl-d14	65.43		14-112		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	247670	7.928				
1146-65-2	Naphthalene-d8	968063	10.731				
15067-26-2	Acenaphthene-d10	711972	14.567				
1517-22-2	Phenanthrene-d10	1806213	17.317				
1719-03-5	Chrysene-d12	1717708	21.583				
1520-96-3	Perylene-d12	1940423	24.744				



Report of Analysis

Client:		Date Collected:	1/9/2024 12:00:00 AM
Project:		Date Received:	1/9/2024 12:00:00 AM
Client Sample ID:	COMP-1MSD	SDG No.:	BG011124
Lab Sample ID:	P1100-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 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
BG060310.D	1	1/11/2024 12:00:00 AM	1/11/2024 12:00:00 AM	PB158373

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	1/9/2024 12:00:00 AM
Project:		Date Received:	1/9/2024 12:00:00 AM
Client Sample ID:	COMP-2	SDG No.:	BG011124
Lab Sample ID:	P1100-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
Sample Wt/Vol:	30.02	Units:	g
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
BG060311.D	1	1/11/2024 12:00:00 AM	1/11/2024 12:00:00 AM	PB158373

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	91.2	U	91.2	320	390	ug/Kg
110-86-1	Pyridine	85.4	U	85.4	150	200	ug/Kg
100-52-7	Benzaldehyde	170	U	170	320	390	ug/Kg
62-53-3	Aniline	140	U	140	150	200	ug/Kg
108-95-2	Phenol	87.8	U	87.8	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	150	200	ug/Kg
95-57-8	2-Chlorophenol	84.9	U	84.9	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	96.4	U	96.4	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	97.2	U	97.2	150	200	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	320	390	ug/Kg
95-48-7	2-Methylphenol	130	U	130	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	69.6	U	69.6	94.4	94.4	ug/Kg
67-72-1	Hexachloroethane	86.8	U	86.8	150	200	ug/Kg
98-95-3	Nitrobenzene	88.7	U	88.7	150	200	ug/Kg
78-59-1	Isophorone	80.3	U	80.3	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	92.1	U	92.1	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	91.4	U	91.4	150	200	ug/Kg
65-85-0	Benzoic acid	250	U	250	320	390	ug/Kg
91-20-3	Naphthalene	96	U	96	150	200	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	99.1	U	99.1	150	200	ug/Kg
105-60-2	Caprolactam	140	U	140	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	97.3	U	97.3	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	1/9/2024 12:00:00 AM
Project:		Date Received:	1/9/2024 12:00:00 AM
Client Sample ID:	COMP-2	SDG No.:	BG011124
Lab Sample ID:	P1100-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
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
BG060311.D	1	1/11/2024 12:00:00 AM	1/11/2024 12:00:00 AM	PB158373

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	250	U	250	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	91	U	91	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	150	200	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	99.8	U	99.8	150	200	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	150	200	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	150	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	200	ug/Kg
83-32-9	Acenaphthene	94.7	U	94.7	150	200	ug/Kg
Total PAH	Total PAH	1683.2	U	1683.2	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	320	390	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	320	390	ug/Kg
132-64-9	Dibenzofuran	90.7	U	90.7	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	150	400	ug/Kg
84-66-2	Diethylphthalate	100	U	100	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	150	200	ug/Kg
86-73-7	Fluorene	100	U	100	150	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	200	ug/Kg
103-33-3	Azobenzene	86.7	U	86.7	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	200	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	320	390	ug/Kg
85-01-8	Phenanthrene	110	U	110	150	200	ug/Kg
120-12-7	Anthracene	120	U	120	150	200	ug/Kg
86-74-8	Carbazole	100	U	100	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	200	ug/Kg
206-44-0	Fluoranthene	140	J	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	1/9/2024 12:00:00 AM
Project:		Date Received:	1/9/2024 12:00:00 AM
Client Sample ID:	COMP-2	SDG No.:	BG011124
Lab Sample ID:	P1100-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060311.D	1	1/11/2024 12:00:00 AM	1/11/2024 12:00:00 AM	PB158373

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	230	U	230	320	390	ug/Kg
129-00-0	Pyrene	130	J	98.8	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	99	U	99	150	200	ug/Kg
218-01-9	Chrysene	100	U	100	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	94.7	U	94.7	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	130	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	150	200	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	97.8	U	97.8	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	76.572		18-112		51	SPK: -150
13127-88-3	Phenol-d6	92.064		15-107		61	SPK: -150
4165-60-0	Nitrobenzene-d5	54.824		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	52.097		20-109		52	SPK: -100
118-79-6	2,4,6-Tribromophenol	73.087		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	54.943		14-112		55	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	250673	7.931				
1146-65-2	Naphthalene-d8	958868	10.734				
15067-26-2	Acenaphthene-d10	715812	14.565				
1517-22-2	Phenanthrene-d10	1897667	17.314				
1719-03-5	Chrysene-d12	1768131	21.574				
1520-96-3	Perylene-d12	2018227	24.741				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	1/9/2024 12:00:00 AM
Project:		Date Received:	1/9/2024 12:00:00 AM
Client Sample ID:	COMP-2	SDG No.:	BG011124
Lab Sample ID:	P1100-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
Sample Wt/Vol:	30.02	Units:	g
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
BG060311.D	1	1/11/2024 12:00:00 AM	1/11/2024 12:00:00 AM	PB158373

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	530	A			5.035	
1000151-22-6	Cyclodocosane, ethyl-	110	J			21.222	
000301-02-0	9-Octadecenamide, (Z)-	98.3	J			23.025	

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	SP6396	SDG No.:	BG011124
Lab Sample ID:	SP6396	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060312.D	1		1/11/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2000	U	2000	8000	10000	ug/L
110-86-1	Pyridine	1800	U	1800	4000	5000	ug/L
100-52-7	Benzaldehyde	3300	U	3300	8000	10000	ug/L
62-53-3	Aniline	2400	U	2400	4000	5000	ug/L
108-95-2	Phenol	1500	U	1500	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	1700	U	1700	4000	5000	ug/L
95-57-8	2-Chlorophenol	1400	U	1400	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	1300	U	1300	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	1700	U	1700	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	1400	U	1400	4000	5000	ug/L
100-51-6	Benzyl Alcohol	2400	U	2400	8000	10000	ug/L
95-48-7	2-Methylphenol	2100	U	2100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2300	U	2300	4000	5000	ug/L
98-86-2	Acetophenone	1800	U	1800	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	2200	U	2200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2000	U	2000	2500	2500	ug/L
67-72-1	Hexachloroethane	1600	U	1600	4000	5000	ug/L
98-95-3	Nitrobenzene	1700	U	1700	4000	5000	ug/L
78-59-1	Isophorone	1700	U	1700	4000	5000	ug/L
88-75-5	2-Nitrophenol	2400	U	2400	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	3000	U	3000	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2000	U	2000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	1700	U	1700	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	1700	U	1700	4000	5000	ug/L
65-85-0	Benzoic acid	6700	U	6700	8000	10000	ug/L
91-20-3	Naphthalene	1700	U	1700	4000	5000	ug/L
106-47-8	4-Chloroaniline	2500	U	2500	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	1900	U	1900	4000	5000	ug/L
105-60-2	Caprolactam	3400	U	3400	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	1800	U	1800	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	2200	U	2200	4000	5000	ug/L

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	SP6396	SDG No.:	BG011124
Lab Sample ID:	SP6396	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060312.D	1		1/11/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5700	U	5700	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	1500	U	1500	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	1600	U	1600	4000	5000	ug/L
92-52-4	1,1-Biphenyl	1800	U	1800	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	1600	U	1600	4000	5000	ug/L
88-74-4	2-Nitroaniline	2400	U	2400	4000	5000	ug/L
131-11-3	Dimethylphthalate	1900	U	1900	4000	5000	ug/L
208-96-8	Acenaphthylene	2100	U	2100	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	2100	U	2100	4000	5000	ug/L
99-09-2	3-Nitroaniline	2400	U	2400	4000	5000	ug/L
83-32-9	Acenaphthene	1700	U	1700	4000	5000	ug/L
Total PAH	Total PAH	31000	U	31000	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	5500	U	5500	8000	10000	ug/L
100-02-7	4-Nitrophenol	2800	U	2800	8000	10000	ug/L
132-64-9	Dibenzofuran	1600	U	1600	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4600	U	4600	4000	10000	ug/L
121-14-2	2,4-Dinitrotoluene	2500	U	2500	4000	5000	ug/L
84-66-2	Diethylphthalate	2100	U	2100	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	2200	U	2200	4000	5000	ug/L
86-73-7	Fluorene	2000	U	2000	4000	5000	ug/L
100-01-6	4-Nitroaniline	2300	U	2300	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1800	U	1800	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	2000	U	2000	4000	5000	ug/L
103-33-3	Azobenzene	1600	U	1600	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	2000	U	2000	4000	5000	ug/L
118-74-1	Hexachlorobenzene	1900	U	1900	4000	5000	ug/L
1912-24-9	Atrazine	3500	U	3500	4000	5000	ug/L
87-86-5	Pentachlorophenol	2600	U	2600	8000	10000	ug/L
85-01-8	Phenanthrene	2000	U	2000	4000	5000	ug/L
120-12-7	Anthracene	2300	U	2300	4000	5000	ug/L
86-74-8	Carbazole	1700	U	1700	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	2400	U	2400	4000	5000	ug/L
206-44-0	Fluoranthene	2100	U	2100	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	SP6396			SDG No.:	BG011124		
Lab Sample ID:	SP6396			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
BG060312.D	1		1/11/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6600	U	6600	8000	10000	ug/L
129-00-0	Pyrene	1900	U	1900	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	2800	U	2800	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	5400	U	5400	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	1500	U	1500	4000	5000	ug/L
218-01-9	Chrysene	1600	U	1600	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2900	U	2900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	3100	U	3100	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	1500	U	1500	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	1900	U	1900	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	2700	U	2700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2100	U	2100	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	2000	U	2000	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	1900	U	1900	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2100	U	2100	4000	5000	ug/L
123-91-1	1,4-Dioxane	2400	U	2400	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1300	U	1300	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	2100	U	2100	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	203188	*	10-139		135459	SPK: -150
13127-88-3	Phenol-d6	189234	*	10-134		126156	SPK: -150
4165-60-0	Nitrobenzene-d5	132449	*	49-133		132449	SPK: -100
321-60-8	2-Fluorobiphenyl	115567	*	52-132		115567	SPK: -100
118-79-6	2,4,6-Tribromophenol	168790	*	32-145		112527	SPK: -150
1718-51-0	Terphenyl-d14	0	U	36-145		0	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	173308	7.923				
1146-65-2	Naphthalene-d8	606033	10.732				
15067-26-2	Acenaphthene-d10	498314	14.563				
1517-22-2	Phenanthrene-d10	1266407	17.312				
1719-03-5	Chrysene-d12	1257182	21.578				
1520-96-3	Perylene-d12	1350629	24.745				



Report of Analysis

Client:

Project:

Client Sample ID: SP6396

Lab Sample ID: SP6396

Analytical Method: 8270E

Sample Wt/Vol: 1000 Units: mL

Soil Aliquot Vol: uL

Extraction Type :

Injection Volume :

Date Collected:

Date Received:

SDG No.: BG011124

Matrix: Water

% Moisture: 100

Final Vol: 1000000 uL

Test:

Level : LOW

Decanted :

GPC Factor :

GPC Cleanup :

PH :

File ID/Qc Batch:

Dilution:

Prep Date

Date Analyzed

Prep Batch ID

BG060312.D

1

1/11/2024 12:00:00 AM

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Hit Summary Sheet

SW-846

SDG No.: BG011124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COMP-1								
P1100-01	COMP-1	Solid	17-Pentatriacontene	*	160.000	J		
P1100-01	COMP-1	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	250.000	A		
P1100-01	COMP-1	Solid	Benzenesulfonamide, N,4-dimethyl	*	120.000	J		
P1100-01	COMP-1	Solid	Decane, 5-propyl-	*	97.000	J		
P1100-01	COMP-1	Solid	Supraene	*	410.000	J		
Total Tics :					1,037.00			
Total Concentration:					1,037.00			
Client ID : COMP-2								
P1100-02	COMP-2	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	530.000	A		
P1100-02	COMP-2	Solid	9-Octadecenamide, (Z)-	*	98.300	J		
P1100-02	COMP-2	Solid	Cyclodocosane, ethyl-	*	110.000	J		
Total Tics :					738.30			
P1100-02	COMP-2	Solid	Fluoranthene		140.000	J 110	200	ug/Kg
P1100-02	COMP-2	Solid	Pyrene		130.000	J 98.8	200	ug/Kg
Total Svoc :					270.00			
Total Concentration:					1,008.30			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG010824

SAS No.: BG010824

SDG No.: BG010824

Instrument ID: _____

Calibration Date(s): 1/8/2024 1: _____

Calibration Time(s): 15:52 _____

LAB FILE ID:		RRF2.5 = BG060283.D			RRF005 = BG060284.D		RRF010 = BG060285.D	
		RRF020 = BG060286.D			RRF040 = BG060287.D		RRF050 = BG060288.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.401	0.419	0.525	0.558	0.505	0.490	11.8
Pyridine		1.320	1.283	1.635	1.877	1.610	1.567	13.1
2-Fluorophenol		0.928	1.346	1.305	1.143	1.261	1.216	11.7
Benzaldehyde		1.220	1.195	1.000	1.126	0.912	1.034	14.0
Aniline		1.743	1.764	1.651	1.944	1.701	1.800	6.3
Phenol-d6		1.740	1.825	1.711	2.103	1.696	1.801	7.9
Phenol		1.683	1.817	1.714	2.105	1.718	1.805	8.1
bis(2-Chloroethyl)ether		1.497	1.447	1.382	1.496	1.415	1.471	4.0
2-Chlorophenol		1.166	1.244	1.131	1.238	1.157	1.205	4.3
1,2-Dichlorobenzene		1.593	1.561	1.599	1.759	1.523	1.578	5.6
1,3-Dichlorobenzene		1.377	1.558	1.591	1.526	1.527	1.513	4.5
1,4-Dichlorobenzene		1.575	1.479	1.584	1.517	1.519	1.535	2.4
Benzyl Alcohol		0.981	1.128	1.150	1.255	1.210	1.166	8.0
2-Methylphenol		1.105	1.155	1.253	1.438	1.264	1.240	8.5
2,2-oxybis(1-Chloropropane)		1.742	1.757	1.808	1.998	1.724	1.785	5.6
Acetophenone		0.480	0.564	0.500	0.555	0.573	0.550	7.9
3+4-Methylphenols		1.483	1.626	1.521	1.958	1.726	1.672	9.4
n-Nitroso-di-n-propylamine	1.155	1.195	1.215	1.128	1.496	1.275	1.246	9.1
Nitrobenzene-d5		0.407	0.414	0.377	0.425	0.442	0.424	6.4
Hexachloroethane		0.587	0.517	0.479	0.601	0.529	0.538	7.8
Nitrobenzene		0.427	0.421	0.389	0.445	0.456	0.439	6.7
Isophorone		0.877	0.870	0.760	0.858	0.861	0.851	4.8
2-Nitrophenol		0.139	0.144	0.138	0.165	0.176	0.161	13.0
2,4-Dimethylphenol		0.197	0.206	0.185	0.219	0.223	0.213	8.6
bis(2-Chloroethoxy)methane		0.525	0.522	0.471	0.518	0.533	0.520	4.3
2,4-Dichlorophenol		0.314	0.330	0.309	0.353	0.364	0.346	8.1
1,2,4-Trichlorobenzene		0.434	0.429	0.386	0.431	0.436	0.430	4.8
Benzoic acid			0.056	0.108	0.168	0.188	0.154	39.2
Naphthalene		1.079	1.090	1.044	1.030	1.033	1.048	2.6
4-Chloroaniline		0.356	0.423	0.392	0.398	0.411	0.404	6.3
Hexachlorobutadiene		0.278	0.305	0.268	0.261	0.273	0.280	5.3
Caprolactam		0.105	0.118	0.107	0.110	0.111	0.111	4.2
4-Chloro-3-methylphenol		0.315	0.359	0.346	0.351	0.355	0.351	5.0
2-Methylnaphthalene		0.770	0.849	0.763	0.751	0.765	0.778	4.2
Hexachlorocyclopentadiene		0.179	0.191	0.249	0.244	0.250	0.236	15.2
2,4,6-Trichlorophenol		0.441	0.400	0.487	0.445	0.444	0.452	6.5

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.: BG010824

SAS No.: BG010824

SDG No.: BG010824

Instrument ID:

Calibration Date(s): 1/8/2024 1:

Calibration Time(s): 15:52

LAB FILE ID:		RRF2.5 = BG060283.D		RRF005 = BG060284.D		RRF010 = BG060285.D		
		RRF020 = BG060286.D		RRF040 = BG060287.D		RRF050 = BG060288.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.776	1.558	1.707	1.346	1.288	1.439	16.9
2,4,5-Trichlorophenol		0.476	0.425	0.537	0.495	0.504	0.499	7.8
1,1-Biphenyl		1.650	1.491	1.651	1.450	1.448	1.510	6.7
2-Chloronaphthalene		1.395	1.253	1.394	1.252	1.239	1.293	5.8
2-Nitroaniline		0.280	0.267	0.335	0.329	0.336	0.322	10.8
Dimethylphthalate		1.567	1.550	1.710	1.497	1.477	1.528	6.4
Acenaphthylene		1.826	1.804	1.895	1.761	1.753	1.781	3.9
2,6-Dinitrotoluene		0.272	0.293	0.327	0.338	0.345	0.326	9.8
3-Nitroaniline		0.258	0.264	0.295	0.304	0.312	0.297	9.1
Acenaphthene		1.160	1.099	1.110	1.092	1.086	1.109	2.3
2,4-Dinitrophenol			0.073	0.124	0.165	0.177	0.155	31.1
4-Nitrophenol		0.153	0.182	0.217	0.243	0.243	0.220	17.9
Dibenzofuran		2.025	1.940	1.944	1.815	1.783	1.851	6.8
2,4-Dinitrotoluene		0.368	0.399	0.457	0.458	0.468	0.447	10.4
Diethylphthalate		1.541	1.507	1.527	1.454	1.434	1.467	4.2
4-Chlorophenyl-phenylether		0.970	0.848	0.837	0.806	0.810	0.845	6.9
Fluorene		1.747	1.548	1.573	1.493	1.468	1.533	7.1
4-Nitroaniline		0.292	0.297	0.306	0.323	0.329	0.316	5.6
4,6-Dinitro-2-methylphenol			0.082	0.099	0.113	0.121	0.111	15.5
n-Nitrosodiphenylamine		0.511	0.535	0.546	0.534	0.539	0.531	2.5
Azobenzene		1.670	1.468	1.507	1.457	1.449	1.484	6.2
2,4,6-Tribromophenol		0.302	0.275	0.292	0.293	0.293	0.294	3.3
4-Bromophenyl-phenylether		0.212	0.213	0.219	0.220	0.222	0.220	2.5
Hexachlorobenzene		0.256	0.255	0.267	0.257	0.260	0.260	1.8
Atrazine		0.194	0.208	0.214	0.198	0.201	0.200	4.2
Pentachlorophenol		0.096	0.111	0.136	0.151	0.160	0.140	19.5
Phenanthrene		1.044	1.052	1.059	0.960	0.936	0.967	9.5
Anthracene		1.031	1.032	1.059	0.965	0.931	0.965	8.6
Carbazole		0.950	0.977	0.992	0.916	0.887	0.910	7.8
Di-n-butylphthalate		0.978	1.040	1.054	0.955	0.907	0.936	11.0
Fluoranthene		1.328	1.328	1.345	1.131	1.077	1.161	15.1
Benzidine		0.352	0.430	0.440	0.446	0.464	0.435	8.8
Pyrene		1.447	1.455	1.452	1.222	1.183	1.277	13.6
Terphenyl-d14		1.190	1.163	1.075	0.782	0.725	0.938	24.5
Butylbenzylphthalate		0.381	0.418	0.443	0.448	0.459	0.439	7.0
3,3-Dichlorobenzidine		0.429	0.466	0.486	0.484	0.485	0.474	4.5

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.: BG010824

SAS No.: BG010824

SDG No.: BG010824

Instrument ID: _____

Calibration Date(s): 1/8/2024 1: _____

Calibration Time(s): 15:52 _____

LAB FILE ID:		RRF2.5 = BG060283.D			RRF005 = BG060284.D		RRF010 = BG060285.D	
		RRF020 = BG060286.D			RRF040 = BG060287.D		RRF050 = BG060288.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.372	1.377	1.343	1.213	1.166	1.238	10.4
Chrysene		1.357	1.338	1.329	1.181	1.145	1.218	10.2
Bis(2-ethylhexyl)phthalate		0.602	0.645	0.695	0.679	0.681	0.664	5.0
Di-n-octyl phthalate		1.011	1.063	1.128	1.108	1.099	1.076	4.1
Benzo(b)fluoranthene		1.186	1.205	1.201	1.196	1.174	1.182	2.3
Benzo(k)fluoranthene		1.168	1.175	1.257	1.186	1.156	1.166	5.0
Benzo(a)pyrene		1.050	1.063	1.092	1.066	1.072	1.067	1.7
Indeno(1,2,3-cd)pyrene		1.307	1.350	1.390	1.384	1.422	1.391	3.5
Dibenzo(a,h)anthracene		1.080	1.087	1.136	1.149	1.159	1.136	3.4
Benzo(g,h,i)perylene		1.133	1.136	1.161	1.160	1.171	1.164	2.1
1,2,4,5-Tetrachlorobenzene		0.759	0.672	0.764	0.680	0.678	0.710	5.4
1,4-Dioxane		0.494	0.476	0.605	0.635	0.553	0.555	10.2
2,3,4,6-Tetrachlorophenol		0.395	0.390	0.419	0.424	0.428	0.423	5.9
1-Methylnaphthalene		0.781	0.881	0.778	0.745	0.746	0.781	5.9

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG011124 SAS No.: BG011124 SDG NO.: BG011124

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 11 2024 12:00AM

Lab File ID: BG060287.D Time Analyzed: 12:28

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	229160	7.93	1.0852e+00	10.73	787379	14.57
UPPER LIMIT	458320	8.43	2170400	11.232	1574758	15.069
LOWER LIMIT	114580	7.43	542600	10.232	393689.5	14.069
EPA SAMPLE NO.						
01 PB158244TB	193384	7.93	772296	10.73	596695	14.57
02 PB158317TB	173919	7.93	692239	10.74	539370	14.57
03 COMP-1	253083	7.93	950152	10.74	692773	14.57
04 COMP-1MS	264293	7.93	1.12679e	10.73	761568	14.56
05 COMP-1MSD	247670	7.93	968063	10.73	711972	14.57
06 COMP-2	250673	7.93	958868	10.73	715812	14.57
07 SP6396	173308	7.92	606033	10.73	498314	14.56

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG011124 SAS No.: BG011124 SDG NO.: BG011124

EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 11 2024 12:00AM

Lab File ID: BG060305.D Time Analyzed: 12:28

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	218471	7.932	967411	10.74	771205	14.57
UPPER LIMIT	436942	8.432	1934822	11.235	1542410	15.071
LOWER LIMIT	109235.5	7.432	483705.5	10.235	385602.5	14.071
EPA SAMPLE NO.						
01 PB158244TB	193384	7.93	772296	10.73	596695	14.57
02 PB158317TB	173919	7.93	692239	10.74	539370	14.57
03 COMP-1	253083	7.93	950152	10.74	692773	14.57
04 COMP-1MS	264293	7.93	1.12679e	10.73	761568	14.56
05 COMP-1MSD	247670	7.93	968063	10.73	711972	14.57
06 COMP-2	250673	7.93	958868	10.73	715812	14.57
07 SP6396	173308	7.92	606033	10.73	498314	14.56

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG011124 SAS No.: BG011124 SDG NO.: BG011124

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 11 2024 12:00AM

Lab File ID: BG060287.D Time Analyzed: 12:28

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	1.8996e+00	17.313	1.8262e+0	21.578	2.04987e+0	24.739
UPPER LIMIT	3799200	17.813	3652400	22.078	4099740	25.239
LOWER LIMIT	949800	16.813	913100	21.078	1024935	24.239
EPA SAMPLE NO.						
01 PB158244TB	1.7009e	17.32	1.83394e+	21.58	2.07702e+	24.75
02 PB158317TB	1.55978	17.32	1.70401e+	21.58	1.86407e+	24.75
03 COMP-1	1.64955	17.32	1.63035e+	21.58	1.89885e+	24.75
04 COMP-1MS	1.90083	17.32	1.68349e+	21.58	1.87924e+	24.75
05 COMP-1MSD	1.80621	17.32	1.71771e+	21.58	1.94042e+	24.74
06 COMP-2	1.89767	17.31	1.76813e+	21.57	2.01823e+	24.74
07 SP6396	1.26641	17.31	1.25718e+	21.58	1.35063e+	24.75

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG011124 SAS No.: BG011124 SDG NO.: BG011124

EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 11 2024 12:00AM

Lab File ID: BG060305.D Time Analyzed: 12:28

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	2.01224e+01	17.315	1.91024e+	21.581	2.13323e+01	24.748
UPPER LIMIT	4024480	17.815	3820480	22.081	4266460	25.248
LOWER LIMIT	1006120	16.815	955120	21.081	1066615	24.248
EPA SAMPLE NO.						
01 PB158244TB	1.7009e	17.32	1.83394e+	21.58	2.07702e+	24.75
02 PB158317TB	1.55978	17.32	1.70401e+	21.58	1.86407e+	24.75
03 COMP-1	1.64955	17.32	1.63035e+	21.58	1.89885e+	24.75
04 COMP-1MS	1.90083	17.32	1.68349e+	21.58	1.87924e+	24.75
05 COMP-1MSD	1.80621	17.32	1.71771e+	21.58	1.94042e+	24.74
06 COMP-2	1.89767	17.31	1.76813e+	21.57	2.01823e+	24.74
07 SP6396	1.26641	17.31	1.25718e+	21.58	1.35063e+	24.75

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.



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SP6396

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG011124SAS No.: BG011124 SDG NO.: BG011124Lab File ID: BG060312.DLab Sample ID: SP6396Instrument ID: BNA_G

Date Extracted: _____

Matrix: (soil/water) WaterDate Analyzed: 01/11/2024Level: (low/med) LOWTime Analyzed: 18:12

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SP6396	SP6396	BG060312.D	01/11/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB158244TB

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG011124SAS No.: BG011124 SDG NO.: BG011124Lab File ID: BG060306.DLab Sample ID: PB158244TBInstrument ID: BNA_GDate Extracted: 01/10/2024Matrix: (soil/water) waterDate Analyzed: 01/11/2024Level: (low/med) LOWTime Analyzed: 12:28

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB158244TB	PB158244TB	BG060306.D	01/11/2024
PB158317TB	PB158317TB	BG060307.D	01/11/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

COMP-1

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG011124SAS No.: BG011124 SDG NO.: BG011124Lab File ID: BG060308.DLab Sample ID: P1100-01Instrument ID: BNA_GDate Extracted: 01/11/2024Matrix: (soil/water) SolidDate Analyzed: 01/11/2024Level: (low/med) LOWTime Analyzed: 13:58

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
COMP-1	P1100-01	BG060308.D	01/11/2024
COMP-1MS	P1100-01MS	BG060309.D	01/11/2024
COMP-1MSD	P1100-01MSD	BG060310.D	01/11/2024
COMP-2	P1100-02	BG060311.D	01/11/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG011124

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Low	Limits	
		Result				Qual		Qual		High	RPD
Lab Sample ID:	P1100-01MS	Client Sample ID:	COMP-1MS				DataFile:	BG060309.D			
n-Nitrosodimethylamine	2300		1800	ug/Kg	78				66	124	
Pyridine	2300		1400	ug/Kg	61				45	119	
Benzaldehyde	2300		440	ug/Kg	19	*			26	163	
Aniline	2300		1600	ug/Kg	70				10	88	
Phenol	2300		2100	ug/Kg	91				67	126	
bis(2-Chloroethyl)ether	2300		1800	ug/Kg	78				74	116	
2-Chlorophenol	2300		2000	ug/Kg	87				61	138	
1,2-Dichlorobenzene	2300		1600	ug/Kg	70				61	105	
1,3-Dichlorobenzene	2300		1700	ug/Kg	74				62	101	
1,4-Dichlorobenzene	2300		1700	ug/Kg	74				63	104	
Benzyl Alcohol	2300		2000	ug/Kg	87				47	126	
2-Methylphenol	2300		1900	ug/Kg	83				66	122	
2,2-oxybis(1-Chloropropane)	2300		1700	ug/Kg	74				52	115	
Acetophenone	2300		1700	ug/Kg	74	*			75	111	
3+4-Methylphenols	2300		1800	ug/Kg	78				53	132	
N-Nitroso-di-n-propylamine	2300		1600	ug/Kg	70				59	119	
Hexachloroethane	2300		1600	ug/Kg	70				65	117	
Nitrobenzene	2300		1600	ug/Kg	70				70	119	
Isophorone	2300		1500	ug/Kg	65	*			76	122	
2-Nitrophenol	2300		1900	ug/Kg	83				54	145	
2,4-Dimethylphenol	2300		2300	ug/Kg	100				83	144	
bis(2-Chloroethoxy)methane	2300		1800	ug/Kg	78				68	112	
2,4-Dichlorophenol	2300		2000	ug/Kg	87				72	118	
1,2,4-Trichlorobenzene	2300		1700	ug/Kg	74				57	103	
Benzoic acid	2300		1400	ug/Kg	61				50	104	
Naphthalene	2300		1700	ug/Kg	74				72	110	
4-Chloroaniline	2300		1100	ug/Kg	48				10	100	
Hexachlorobutadiene	2300		1400	ug/Kg	61	*			66	114	
Caprolactam	2300		1900	ug/Kg	83				51	134	
4-Chloro-3-methylphenol	2300		1800	ug/Kg	78				57	132	
2-Methylnaphthalene	2300		1600	ug/Kg	70				59	123	
Hexachlorocyclopentadiene	4600		5000	ug/Kg	109				10	175	
2,4,6-Trichlorophenol	2300		1900	ug/Kg	83				72	117	
2,4,5-Trichlorophenol	2300		1900	ug/Kg	83				72	117	
1,1-Biphenyl	2300		1800	ug/Kg	78				75	113	
2-Chloronaphthalene	2300		1700	ug/Kg	74				67	118	
2-Nitroaniline	2300		2000	ug/Kg	87				69	127	
Dimethylphthalate	2300		1700	ug/Kg	74				70	113	
Acenaphthylene	2300		2000	ug/Kg	87				79	118	
2,6-Dinitrotoluene	2300		1800	ug/Kg	78				70	125	
3-Nitroaniline	2300		1400	ug/Kg	61				20	111	
Acenaphthene	2300		1800	ug/Kg	78				70	121	
Total PAH	36800		28600	ug/Kg	78				70	121	
2,4-Dinitrophenol	4600		1800	ug/Kg	39				16	160	
4-Nitrophenol	4600		4200	ug/Kg	91				45	133	
Dibenzofuran	2300		1800	ug/Kg	78				72	110	
2,4-Dinitrotoluene	2300		1900	ug/Kg	83				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG011124

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	4600		3700	ug/Kg	80				55	128	
Diethylphthalate	2300		1700	ug/Kg	74				70	112	
4-Chlorophenyl-phenylether	2300		1700	ug/Kg	74				71	108	
Fluorene	2300		1800	ug/Kg	78				68	116	
4-Nitroaniline	2300		1800	ug/Kg	78				55	120	
4,6-Dinitro-2-methylphenol	2300		1300	ug/Kg	57				32	145	
N-Nitrosodiphenylamine	2300		1900	ug/Kg	83				73	118	
Azobenzene	2300		1800	ug/Kg	78				73	110	
4-Bromophenyl-phenylether	2300		1700	ug/Kg	74				65	121	
Hexachlorobenzene	2300		1700	ug/Kg	74				67	118	
Atrazine	2300		1900	ug/Kg	83				79	127	
Pentachlorophenol	4600		3300	ug/Kg	72				47	128	
Phenanthrene	2300		1800	ug/Kg	78				72	113	
Anthracene	2300		1800	ug/Kg	78				62	124	
Carbazole	2300		1800	ug/Kg	78				59	119	
Di-n-butylphthalate	2300		1800	ug/Kg	78				69	118	
Fluoranthene	2300		1700	ug/Kg	74				59	125	
Benzidine	4600		2300	ug/Kg	50				10	119	
Pyrene	2300		1800	ug/Kg	78				52	128	
Butylbenzylphthalate	2300		2000	ug/Kg	87				64	126	
3,3-Dichlorobenzidine	2300		1300	ug/Kg	57				10	164	
Benzo(a)anthracene	2300		1800	ug/Kg	78				71	114	
Chrysene	2300		1700	ug/Kg	74				57	121	
bis(2-Ethylhexyl)phthalate	2300		1900	ug/Kg	83				66	127	
Di-n-octyl phthalate	2300		2000	ug/Kg	87				71	126	
Benzo(b)fluoranthene	2300		1800	ug/Kg	78				67	121	
Benzo(k)fluoranthene	2300		1800	ug/Kg	78				74	114	
Benzo(a)pyrene	2300		1800	ug/Kg	78				70	142	
Indeno(1,2,3-cd)pyrene	2300		1800	ug/Kg	78				61	125	
Dibenz(a,h)anthracene	2300		1800	ug/Kg	78				67	130	
Benzo(g,h,i)perylene	2300		1700	ug/Kg	74				53	140	
1,2,4,5-Tetrachlorobenzene	2300		1800	ug/Kg	78				69	124	
1,4-Dioxane	2300		1500	ug/Kg	65				46	112	
2,3,4,6-Tetrachlorophenol	2300		1900	ug/Kg	83				56	133	
1-Methylnaphthalene	2300		1500	ug/Kg	65	*			70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG011124

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P1100-01MSD	Client Sample ID:	COMP-1MSD					DataFile:	BG060310.D		
n-Nitrosodimethylamine	2300		2000	ug/Kg	87		11		66	124	20
Pyridine	2300		1600	ug/Kg	70		14		45	119	20
Benzaldehyde	2300		520	ug/Kg	23	*	19		26	163	20
Aniline	2300		1700	ug/Kg	74		6		10	88	20
Phenol	2300		2400	ug/Kg	104		13		67	126	20
bis(2-Chloroethyl)ether	2300		2000	ug/Kg	87		11		74	116	20
2-Chlorophenol	2300		2200	ug/Kg	96		10		61	138	20
1,2-Dichlorobenzene	2300		1800	ug/Kg	78		11		61	105	20
1,3-Dichlorobenzene	2300		1800	ug/Kg	78		5		62	101	20
1,4-Dichlorobenzene	2300		1900	ug/Kg	83		11		63	104	20
Benzyl Alcohol	2300		2200	ug/Kg	96		10		47	126	20
2-Methylphenol	2300		2000	ug/Kg	87		5		66	122	20
2,2-oxybis(1-Chloropropane)	2300		1900	ug/Kg	83		11		52	115	20
Acetophenone	2300		2100	ug/Kg	91		21	*	75	111	20
3+4-Methylphenols	2300		2100	ug/Kg	91		15		53	132	20
N-Nitroso-di-n-propylamine	2300		1900	ug/Kg	83		17		59	119	20
Hexachloroethane	2300		1800	ug/Kg	78		11		65	117	20
Nitrobenzene	2300		1900	ug/Kg	83		17		70	119	20
Isophorone	2300		1900	ug/Kg	83		24	*	76	122	20
2-Nitrophenol	2300		2200	ug/Kg	96		15		54	145	20
2,4-Dimethylphenol	2300		2600	ug/Kg	113		12		83	144	20
bis(2-Chloroethoxy)methane	2300		1900	ug/Kg	83		6		68	112	20
2,4-Dichlorophenol	2300		2200	ug/Kg	96		10		72	118	20
1,2,4-Trichlorobenzene	2300		1900	ug/Kg	83		11		57	103	20
Benzoic acid	2300		1800	ug/Kg	78		24	*	50	104	20
Naphthalene	2300		1900	ug/Kg	83		11		72	110	20
4-Chloroaniline	2300		1300	ug/Kg	57		17		10	100	20
Hexachlorobutadiene	2300		1800	ug/Kg	78		24	*	66	114	20
Caprolactam	2300		2300	ug/Kg	100		19		51	134	20
4-Chloro-3-methylphenol	2300		2200	ug/Kg	96		21	*	57	132	20
2-Methylnaphthalene	2300		1900	ug/Kg	83		17		59	123	20
Hexachlorocyclopentadiene	4600		5700	ug/Kg	124		13		10	175	20
2,4,6-Trichlorophenol	2300		2100	ug/Kg	91		9		72	117	20
2,4,5-Trichlorophenol	2300		2200	ug/Kg	96		15		72	117	20
1,1-Biphenyl	2300		2000	ug/Kg	87		11		75	113	20
2-Chloronaphthalene	2300		1900	ug/Kg	83		11		67	118	20
2-Nitroaniline	2300		2300	ug/Kg	100		14		69	127	20
Dimethylphthalate	2300		2000	ug/Kg	87		16		70	113	20
Acenaphthylene	2300		2200	ug/Kg	96		10		79	118	20
2,6-Dinitrotoluene	2300		2100	ug/Kg	91		15		70	125	20
3-Nitroaniline	2300		1700	ug/Kg	74		19		20	111	20
Acenaphthene	2300		2000	ug/Kg	87		11		70	121	20
Total PAH	36800		32500	ug/Kg	88		12		70	121	20
2,4-Dinitrophenol	4600		2700	ug/Kg	59		41	*	16	160	20
4-Nitrophenol	4600		5100	ug/Kg	111		20		45	133	20
Dibenzofuran	2300		2100	ug/Kg	91		15		72	110	20
2,4-Dinitrotoluene	2300		2200	ug/Kg	96		15		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG011124

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		RPD
									Low	High	
2,4-Dinitrotoluene/2,6-Dinitrotol	4600		4300	ug/Kg	93	15			55	128	20
Diethylphthalate	2300		2000	ug/Kg	87	16			70	112	20
4-Chlorophenyl-phenylether	2300		1900	ug/Kg	83	11			71	108	20
Fluorene	2300		2000	ug/Kg	87	11			68	116	20
4-Nitroaniline	2300		2200	ug/Kg	96	21	*		55	120	20
4,6-Dinitro-2-methylphenol	2300		1900	ug/Kg	83	37	*		32	145	20
N-Nitrosodiphenylamine	2300		2100	ug/Kg	91	9			73	118	20
Azobenzene	2300		2000	ug/Kg	87	11			73	110	20
4-Bromophenyl-phenylether	2300		1900	ug/Kg	83	11			65	121	20
Hexachlorobenzene	2300		1900	ug/Kg	83	11			67	118	20
Atrazine	2300		2300	ug/Kg	100	19			79	127	20
Pentachlorophenol	4600		4300	ug/Kg	93	25	*		47	128	20
Phenanthrene	2300		2100	ug/Kg	91	15			72	113	20
Anthracene	2300		2100	ug/Kg	91	15			62	124	20
Carbazole	2300		2000	ug/Kg	87	11			59	119	20
Di-n-butylphthalate	2300		2000	ug/Kg	87	11			69	118	20
Fluoranthene	2300		2000	ug/Kg	87	16			59	125	20
Benzidine	4600		2700	ug/Kg	59	17			10	119	20
Pyrene	2300		1900	ug/Kg	83	6			52	128	20
Butylbenzylphthalate	2300		2200	ug/Kg	96	10			64	126	20
3,3-Dichlorobenzidine	2300		1500	ug/Kg	65	13			10	164	20
Benzo(a)anthracene	2300		2000	ug/Kg	87	11			71	114	20
Chrysene	2300		2000	ug/Kg	87	16			57	121	20
bis(2-Ethylhexyl)phthalate	2300		2200	ug/Kg	96	15			66	127	20
Di-n-octyl phthalate	2300		2200	ug/Kg	96	10			71	126	20
Benzo(b)fluoranthene	2300		2000	ug/Kg	87	11			67	121	20
Benzo(k)fluoranthene	2300		2000	ug/Kg	87	11			74	114	20
Benzo(a)pyrene	2300		2100	ug/Kg	91	15			70	142	20
Indeno(1,2,3-cd)pyrene	2300		2100	ug/Kg	91	15			61	125	20
Dibenz(a,h)anthracene	2300		2100	ug/Kg	91	15			67	130	20
Benzo(g,h,i)perylene	2300		2000	ug/Kg	87	16			53	140	20
1,2,4,5-Tetrachlorobenzene	2300		2000	ug/Kg	87	11			69	124	20
1,4-Dioxane	2300		1800	ug/Kg	78	18			46	112	20
2,3,4,6-Tetrachlorophenol	2300		2300	ug/Kg	100	19			56	133	20
1-Methylnaphthalene	2300		1900	ug/Kg	83	24	*		70	130	20



Surrogate Summary
SW-846

SDG No.: BG011124

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike		Result		Recovery (%)	Qual	Limits (%)	
				(PPM)		(PPM)				Low	High
SP6396	SP6396	BG060312.D	2-Fluorophenol	150		203,188.00		135459	*	10	139
			Phenol-d6	150		189,234.00		126156	*	10	134
			Nitrobenzene-d5	100		132,449.00		132449	*	49	133
			2-Fluorobiphenyl	100		115,567.00		115567	*	52	132
			2,4,6-Tribromophenol	150		168,790.00		112527	*	32	145
			Terphenyl-d14	100		0.00		0	*	36	145



Surrogate Summary
SW-846

SDG No.: BG011124

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB158244TB	PB158244TB	BG060306.D	2-Fluorophenol	150	143.07	95		10	139
			Phenol-d6	150	150.05	100		10	134
			Nitrobenzene-d5	100	96.65	97		49	133
			2-Fluorobiphenyl	100	87.91	88		52	132
			2,4,6-Tribromophenol	150	141.64	94		32	145
			Terphenyl-d14	100	84.24	84		36	145
PB158317TB	PB158317TB	BG060307.D	2-Fluorophenol	150	175.08	117		10	139
			Phenol-d6	150	150.58	100		10	134
			Nitrobenzene-d5	100	95.19	95		49	133
			2-Fluorobiphenyl	100	90.24	90		52	132
			2,4,6-Tribromophenol	150	135.99	91		32	145
			Terphenyl-d14	100	91.35	91		36	145



Surrogate Summary
SW-846

SDG No.: BG011124

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1100-01	COMP-1	BG060308.D	2-Fluorophenol	150	110.01	73		18	112
			Phenol-d6	150	105.20	70		15	107
			Nitrobenzene-d5	100	69.95	70		18	107
			2-Fluorobiphenyl	100	66.53	67		20	109
			2,4,6-Tribromophenol	150	101.78	68		10	110
			Terphenyl-d14	100	70.33	70		14	112
P1100-01MS	COMP-1MS	BG060309.D	2-Fluorophenol	150	95.30	64		18	112
			Phenol-d6	150	95.48	64		15	107
			Nitrobenzene-d5	100	54.74	55		18	107
			2-Fluorobiphenyl	100	56.71	57		20	109
			2,4,6-Tribromophenol	150	88.96	59		10	110
			Terphenyl-d14	100	59.22	59		14	112
P1100-01MSD	COMP-1MSD	BG060310.D	2-Fluorophenol	150	109.11	73		18	112
			Phenol-d6	150	109.98	73		15	107
			Nitrobenzene-d5	100	67.79	68		18	107
			2-Fluorobiphenyl	100	63.65	64		20	109
			2,4,6-Tribromophenol	150	102.83	69		10	110
			Terphenyl-d14	100	65.43	65		14	112
P1100-02	COMP-2	BG060311.D	2-Fluorophenol	150	76.57	51		18	112
			Phenol-d6	150	92.06	61		15	107
			Nitrobenzene-d5	100	54.82	55		18	107
			2-Fluorobiphenyl	100	52.10	52		20	109
			2,4,6-Tribromophenol	150	73.09	49		10	110
			Terphenyl-d14	100	54.94	55		14	112



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BG011124Lab Code: CHEMSAS No.: BG011124 SDG NO.: BG011124Lab File ID: BG060304.DDFTPP Injection Date: 01/11/2024Instrument ID: BNA_GDFTPP Injection Time: 11:07

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28
68	Less than 2.0% of mass 69	0.5 (1.4) 1
69	Mass 69 relative abundance	33.2
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	33.1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.2
275	10.0 - 60.0% of mass 198	27.6
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	13.8
442	Greater than 50% of mass 198	79.4
443	15.0 - 24.0% of mass 442	16 (20.1) 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
SSTDCCC040	SSTDCCC040	BG060305.D	01/11/2024	11:47
PB158244TB	PB158244TB	BG060306.D	01/11/2024	12:28
PB158317TB	PB158317TB	BG060307.D	01/11/2024	13:08
COMP-1	P1100-01	BG060308.D	01/11/2024	13:58
COMP-1MS	P1100-01MS	BG060309.D	01/11/2024	14:39
COMP-1MSD	P1100-01MSD	BG060310.D	01/11/2024	15:19
COMP-2	P1100-02	BG060311.D	01/11/2024	15:59
SP6396	SP6396	BG060312.D	01/11/2024	18:12