

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG011824 SAS No.: BG011824 SDG No.: BG011824

Instrument ID: BNA_G Calibration Date/Time: 1/18/2024 1:13:22

Lab File ID: BG060350.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	0.489		-0.204	
Pyridine	1.567	1.836		17.167	
2-Fluorophenol	1.216	1.250		2.796	
Benzaldehyde	1.034	1.023		-1.064	
Aniline	1.800	2.019		12.167	
Phenol-d6	1.801	1.996		10.827	
Phenol	1.805	1.987		10.083	20.0
bis(2-Chloroethyl)ether	1.471	1.550		5.37	
2-Chlorophenol	1.205	1.268		5.228	
1,2-Dichlorobenzene	1.578	1.531		-2.978	
1,3-Dichlorobenzene	1.513	1.534		1.388	
1,4-Dichlorobenzene	1.535	1.541		0.391	20.0
Benzyl Alcohol	1.166	1.315		12.779	
2-Methylphenol	1.240	1.286		3.71	
2,2-oxybis(1-Chloropropane)	1.785	1.753		-1.793	
Acetophenone	0.550	0.564		2.545	
3+4-Methylphenols	1.672	1.833		9.629	
n-Nitroso-di-n-propylamine	1.246	1.366	0.050	9.631	
Nitrobenzene-d5	0.424	0.447		5.425	
Hexachloroethane	0.538	0.526		-2.23	
Nitrobenzene	0.439	0.438		-0.228	
Isophorone	0.851	0.887		4.23	
2-Nitrophenol	0.161	0.174		8.075	20.0
2,4-Dimethylphenol	0.213	0.219		2.817	
bis(2-Chloroethoxy)methane	0.520	0.527		1.346	
2,4-Dichlorophenol	0.346	0.356		2.89	20.0
1,2,4-Trichlorobenzene	0.430	0.420		-2.326	
Benzoic acid	0.154	0.195		26.623	
Naphthalene	1.048	1.040		-0.763	
4-Chloroaniline	0.404	0.416		2.97	
Hexachlorobutadiene	0.280	0.260		-7.143	20.0
Caprolactam	0.111	0.131		18.018	
4-Chloro-3-methylphenol	0.351	0.384		9.402	20.0
2-Methylnaphthalene	0.778	0.787		1.157	
Hexachlorocyclopentadiene	0.236	0.223	0.050	-5.508	
2,4,6-Trichlorophenol	0.452	0.457		1.106	20.0
2-Fluorobiphenyl	1.439	1.378		-4.239	
2,4,5-Trichlorophenol	0.499	0.510		2.204	
1,1-Biphenyl	1.510	1.426		-5.563	
2-Chloronaphthalene	1.293	1.230		-4.872	
2-Nitroaniline	0.322	0.356		10.559	

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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	1.548		1.309	
Acenaphthylene	1.781	1.791		0.561	
2,6-Dinitrotoluene	0.326	0.358		9.816	
3-Nitroaniline	0.297	0.331		11.448	
Acenaphthene	1.109	1.119		0.902	20.0
2,4-Dinitrophenol	0.155	0.196	0.050	26.452	
4-Nitrophenol	0.220	0.278	0.050	26.364	
Dibenzofuran	1.851	1.864		0.702	
2,4-Dinitrotoluene	0.447	0.512		14.541	
Diethylphthalate	1.467	1.535		4.635	
4-Chlorophenyl-phenylether	0.845	0.848		0.355	
Fluorene	1.533	1.557		1.566	
4-Nitroaniline	0.316	0.357		12.975	
4,6-Dinitro-2-methylphenol	0.111	0.123		10.811	
n-Nitrosodiphenylamine	0.531	0.527		-0.753	20.0
Azobenzene	1.484	1.501		1.146	
2,4,6-Tribromophenol	0.294	0.316		7.483	
4-Bromophenyl-phenylether	0.220	0.218		-0.909	
Hexachlorobenzene	0.260	0.252		-3.077	
Atrazine	0.200	0.185		-7.5	
Pentachlorophenol	0.140	0.161		15.0	20.0
Phenanthrene	0.967	0.946		-2.172	
Anthracene	0.965	0.947		-1.865	
Carbazole	0.910	0.913		0.33	
Di-n-butylphthalate	0.936	0.953		1.816	
Fluoranthene	1.161	1.125		-3.101	20.0
Benzidine	0.435	0.641		47.356	
Pyrene	1.277	1.209		-5.325	
Terphenyl-d14	0.938	0.777		-17.164	
Butylbenzylphthalate	0.439	0.470		7.062	
3,3-Dichlorobenzidine	0.474	0.477		0.633	
Benzo (a) anthracene	1.238	1.198		-3.231	
Chrysene	1.218	1.184		-2.791	
Bis (2-ethylhexyl) phthalate	0.664	0.692		4.217	
Di-n-octyl phthalate	1.076	1.139		5.855	20.0
Benzo (b) fluoranthene	1.182	1.174		-0.677	
Benzo (k) fluoranthene	1.166	1.161		-0.429	
Benzo (a) pyrene	1.067	1.063		-0.375	20.0
Indeno (1,2,3-cd) pyrene	1.391	1.385		-0.431	
Dibenzo (a,h) anthracene	1.136	1.127		-0.792	
Benzo (g,h,i) perylene	1.164	1.157		-0.601	



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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
1,2,4,5-Tetrachlorobenzene	0.710	0.662		-6.761	
1,4-Dioxane	0.555	0.738		32.973	20.0
2,3,4,6-Tetrachlorophenol	0.423	0.461		8.983	
1-Methylnaphthalene	0.781	0.791		1.28	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	PB158482BL	SDG No.:	BG011824
Lab Sample ID:	PB158482BL	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
BG060351.D	1	1/17/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158482

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2	U	2	8	10	ug/L
110-86-1	Pyridine	1.8	U	1.8	4	5	ug/L
100-52-7	Benzaldehyde	3.3	U	3.3	8	10	ug/L
62-53-3	Aniline	2.4	U	2.4	4	5	ug/L
108-95-2	Phenol	1.5	U	1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.7	U	1.7	4	5	ug/L
95-57-8	2-Chlorophenol	1.4	U	1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	1.7	U	1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	1.4	U	1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	2.4	U	2.4	8	10	ug/L
95-48-7	2-Methylphenol	2.1	U	2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.3	U	2.3	4	5	ug/L
98-86-2	Acetophenone	1.8	U	1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	2.2	U	2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2	U	2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1.6	U	1.6	4	5	ug/L
98-95-3	Nitrobenzene	1.7	U	1.7	4	5	ug/L
78-59-1	Isophorone	1.7	U	1.7	4	5	ug/L
88-75-5	2-Nitrophenol	2.4	U	2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	3	U	3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2	U	2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	1.7	U	1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.7	U	1.7	4	5	ug/L
65-85-0	Benzoic acid	6.7	U	6.7	8	10	ug/L
91-20-3	Naphthalene	1.7	U	1.7	4	5	ug/L
106-47-8	4-Chloroaniline	2.5	U	2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.9	U	1.9	4	5	ug/L
105-60-2	Caprolactam	3.4	U	3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.8	U	1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	2.2	U	2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	PB158482BL	SDG No.:	BG011824
Lab Sample ID:	PB158482BL	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
BG060351.D	1	1/17/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158482

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5.7	U	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1.5	U	1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1.6	U	1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	1.8	U	1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	1.6	U	1.6	4	5	ug/L
88-74-4	2-Nitroaniline	2.4	U	2.4	4	5	ug/L
131-11-3	Dimethylphthalate	1.9	U	1.9	4	5	ug/L
208-96-8	Acenaphthylene	2.1	U	2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	2.1	U	2.1	4	5	ug/L
99-09-2	3-Nitroaniline	2.4	U	2.4	4	5	ug/L
83-32-9	Acenaphthene	1.7	U	1.7	4	5	ug/L
Total PAH	Total PAH	31	U	31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	5.5	U	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	2.8	U	2.8	8	10	ug/L
132-64-9	Dibenzofuran	1.6	U	1.6	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	2.5	U	2.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4.6	U	4.6	4	10	ug/L
84-66-2	Diethylphthalate	2.1	U	2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	2.2	U	2.2	4	5	ug/L
86-73-7	Fluorene	2	U	2	4	5	ug/L
100-01-6	4-Nitroaniline	2.3	U	2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.8	U	1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	2	U	2	4	5	ug/L
103-33-3	Azobenzene	1.6	U	1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	2	U	2	4	5	ug/L
118-74-1	Hexachlorobenzene	1.9	U	1.9	4	5	ug/L
1912-24-9	Atrazine	3.5	U	3.5	4	5	ug/L
87-86-5	Pentachlorophenol	2.6	U	2.6	8	10	ug/L
85-01-8	Phenanthrene	2	U	2	4	5	ug/L
120-12-7	Anthracene	2.3	U	2.3	4	5	ug/L
86-74-8	Carbazole	1.7	U	1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	2.4	U	2.4	4	5	ug/L
206-44-0	Fluoranthene	2.1	U	2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	PB158482BL	SDG No.:	BG011824
Lab Sample ID:	PB158482BL	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
BG060351.D	1	1/17/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158482

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.6	U	6.6	8	10	ug/L
129-00-0	Pyrene	1.9	U	1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.8	U	2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	5.4	U	5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4	5	ug/L
218-01-9	Chrysene	1.6	U	1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.9	U	2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	3.1	U	3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	2.7	U	2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	U	2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.9	U	1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4	5	ug/L
123-91-1	1,4-Dioxane	2.4	U	2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	2.1	U	2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	151.699		10-139		101	SPK: -150
13127-88-3	Phenol-d6	145.729		10-134		97	SPK: -150
4165-60-0	Nitrobenzene-d5	93.898		49-133		94	SPK: -100
321-60-8	2-Fluorobiphenyl	79.119		52-132		79	SPK: -100
118-79-6	2,4,6-Tribromophenol	140.146		32-145		93	SPK: -150
1718-51-0	Terphenyl-d14	64.56		36-145		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	277209	7.929				
1146-65-2	Naphthalene-d8	1129780	10.732				
15067-26-2	Acenaphthene-d10	882529	14.563				
1517-22-2	Phenanthrene-d10	2504177	17.312				
1719-03-5	Chrysene-d12	2559972	21.572				
1520-96-3	Perylene-d12	2793382	24.739				



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

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	PB158482BL	SDG No.:	BG011824
Lab Sample ID:	PB158482BL	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
BG060351.D	1	1/17/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158482

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
1000406-32-0	Tetracosane, 1-iodo-	2.2	J			23.822	
000544-76-3	Hexadecane	3.5	J			25.855	
007225-66-3	Tridecane, 7-hexyl-	3.6	J			27.189	
006912-07-8	Hexadecane, 5-butyl-	2.9	J			28.787	
000629-78-7	Heptadecane	3.1	J			30.72	

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	PB158482BS	SDG No.:	BG011824
Lab Sample ID:	PB158482BS	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
BG060352.D	1	1/17/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158482

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	37.7		2	8	10	ug/L
110-86-1	Pyridine	27.2		1.8	4	5	ug/L
100-52-7	Benzaldehyde	23.7		3.3	8	10	ug/L
62-53-3	Aniline	28.1		2.4	4	5	ug/L
108-95-2	Phenol	49.7		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	41.2		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	46		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	37.4		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	38.9		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	38.8		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	47.9		2.4	8	10	ug/L
95-48-7	2-Methylphenol	45.5		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	39.2		2.3	4	5	ug/L
98-86-2	Acetophenone	43.5		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	47.5		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.4		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	37.5		1.6	4	5	ug/L
98-95-3	Nitrobenzene	39.2		1.7	4	5	ug/L
78-59-1	Isophorone	41.3		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	45.9		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	56.6		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.2		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	46.7		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	38.5		1.7	4	5	ug/L
65-85-0	Benzoic acid	44.3		6.7	8	10	ug/L
91-20-3	Naphthalene	39.8		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	22.6		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	36.1		1.9	4	5	ug/L
105-60-2	Caprolactam	51.2		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	47.6		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	40.2		2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	PB158482BS	SDG No.:	BG011824
Lab Sample ID:	PB158482BS	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
BG060352.D	1	1/17/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158482

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	110	E	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	41.7		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	43.2		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	38.9		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	38		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	48.5		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	42.8		1.9	4	5	ug/L
208-96-8	Acenaphthylene	44.4		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	44.6		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	34.8		2.4	4	5	ug/L
83-32-9	Acenaphthene	40		1.7	4	5	ug/L
Total PAH	Total PAH	686.8		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	92.3	E	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	110	E	2.8	8	10	ug/L
132-64-9	Dibenzofuran	41.9		1.6	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	90.8		4.6	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	46.2		2.5	4	5	ug/L
84-66-2	Diethylphthalate	43.7		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41.2		2.2	4	5	ug/L
86-73-7	Fluorene	42.3		2	4	5	ug/L
100-01-6	4-Nitroaniline	44.6		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	44.7		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	42.9		2	4	5	ug/L
103-33-3	Azobenzene	43		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	40.3		2	4	5	ug/L
118-74-1	Hexachlorobenzene	40.1		1.9	4	5	ug/L
1912-24-9	Atrazine	34.5		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	92.7	E	2.6	8	10	ug/L
85-01-8	Phenanthrene	42.4		2	4	5	ug/L
120-12-7	Anthracene	42.9		2.3	4	5	ug/L
86-74-8	Carbazole	41.9		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	42		2.4	4	5	ug/L
206-44-0	Fluoranthene	40		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	PB158482BS	SDG No.:	BG011824
Lab Sample ID:	PB158482BS	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
BG060352.D	1	1/17/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158482

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	32.7		6.6	8	10	ug/L
129-00-0	Pyrene	40.5		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	46.4		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	37.9		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	41.9		1.5	4	5	ug/L
218-01-9	Chrysene	40.8		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44.4		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	45.5		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	45		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	45.1		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	45		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46.1		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	46.6		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	44		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	38.1		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	30.7		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	48.3		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	39.7		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	138.634		10-139		92	SPK: -150
13127-88-3	Phenol-d6	136.607		10-134		91	SPK: -150
4165-60-0	Nitrobenzene-d5	80.89		49-133		81	SPK: -100
321-60-8	2-Fluorobiphenyl	71.967		52-132		72	SPK: -100
118-79-6	2,4,6-Tribromophenol	132.272		32-145		88	SPK: -150
1718-51-0	Terphenyl-d14	79.075		36-145		79	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	225041	7.928				
1146-65-2	Naphthalene-d8	940587	10.731				
15067-26-2	Acenaphthene-d10	748871	14.568				
1517-22-2	Phenanthrene-d10	1930284	17.311				
1719-03-5	Chrysene-d12	1791593	21.577				
1520-96-3	Perylene-d12	1869177	24.738				

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	PB158482BS	SDG No.:	BG011824
Lab Sample ID:	PB158482BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
Extraction Type :		Test:	
Injection Volume :		Level :	LOW
		Decanted :	
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060352.D	1	1/17/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158482

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

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	PB158446TB	SDG No.:	BG011824
Lab Sample ID:	PB158446TB	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
BG060353.D	1	1/17/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158482

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:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	PB158446TB	SDG No.:	BG011824
Lab Sample ID:	PB158446TB	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
BG060353.D	1	1/17/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158482

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:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	PB158446TB	SDG No.:	BG011824
Lab Sample ID:	PB158446TB	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
BG060353.D	1	1/17/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158482

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	137.839		10-139		92	SPK: -150
13127-88-3	Phenol-d6	131.499		10-134		88	SPK: -150
4165-60-0	Nitrobenzene-d5	81.694		49-133		82	SPK: -100
321-60-8	2-Fluorobiphenyl	81.06		52-132		81	SPK: -100
118-79-6	2,4,6-Tribromophenol	135.978		32-145		91	SPK: -150
1718-51-0	Terphenyl-d14	78.884		36-145		79	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	219020	7.93				
1146-65-2	Naphthalene-d8	866921	10.732				
15067-26-2	Acenaphthene-d10	635259	14.563				
1517-22-2	Phenanthrene-d10	1847959	17.313				
1719-03-5	Chrysene-d12	1890029	21.573				
1520-96-3	Perylene-d12	2133877	24.739				



Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	PB158446TB	SDG No.:	BG011824
Lab Sample ID:	PB158446TB	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
BG060353.D	1	1/17/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158482

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

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	SP6400	SDG No.:	BG011824
Lab Sample ID:	SP6400	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
BG060354.D	1		1/18/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	53000		2000	8000	10000	ug/L
110-86-1	Pyridine	45000		1800	4000	5000	ug/L
100-52-7	Benzaldehyde	65700		3300	8000	10000	ug/L
62-53-3	Aniline	52600		2400	4000	5000	ug/L
108-95-2	Phenol	63000		1500	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	55300		1700	4000	5000	ug/L
95-57-8	2-Chlorophenol	61100		1400	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	51400		1300	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	53000		1700	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	53400		1400	4000	5000	ug/L
100-51-6	Benzyl Alcohol	61400		2400	8000	10000	ug/L
95-48-7	2-Methylphenol	59200		2100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	51300		2300	4000	5000	ug/L
98-86-2	Acetophenone	53400		1800	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	59900		2200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	53100		2000	2500	2500	ug/L
67-72-1	Hexachloroethane	50800		1600	4000	5000	ug/L
98-95-3	Nitrobenzene	49900		1700	4000	5000	ug/L
78-59-1	Isophorone	50700		1700	4000	5000	ug/L
88-75-5	2-Nitrophenol	58700		2400	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	68800		3000	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	53600		2000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	59800		1700	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	51600		1700	4000	5000	ug/L
65-85-0	Benzoic acid	49100		6700	8000	10000	ug/L
91-20-3	Naphthalene	51900		1700	4000	5000	ug/L
106-47-8	4-Chloroaniline	29200		2500	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	48400		1900	4000	5000	ug/L
105-60-2	Caprolactam	60700		3400	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	57900		1800	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	51700		2200	4000	5000	ug/L

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	SP6400	SDG No.:	BG011824
Lab Sample ID:	SP6400	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
BG060354.D	1		1/18/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	169100	E	5700	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	55000		1500	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	55600		1600	4000	5000	ug/L
92-52-4	1,1-Biphenyl	50600		1800	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	49800		1600	4000	5000	ug/L
88-74-4	2-Nitroaniline	60600		2400	4000	5000	ug/L
131-11-3	Dimethylphthalate	54400		1900	4000	5000	ug/L
208-96-8	Acenaphthylene	57500		2100	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	57600		2100	4000	5000	ug/L
99-09-2	3-Nitroaniline	39200		2400	4000	5000	ug/L
83-32-9	Acenaphthene	51900		1700	4000	5000	ug/L
Total PAH	Total PAH	839400		31000	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	113000	E	5500	8000	10000	ug/L
100-02-7	4-Nitrophenol	145500	E	2800	8000	10000	ug/L
132-64-9	Dibenzofuran	53900		1600	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	60800		2500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	18400		4600	4000	10000	ug/L
84-66-2	Diethylphthalate	55700		2100	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	52800		2200	4000	5000	ug/L
86-73-7	Fluorene	53800		2000	4000	5000	ug/L
100-01-6	4-Nitroaniline	61800		2300	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	56800		1800	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	52300		2000	4000	5000	ug/L
103-33-3	Azobenzene	54700		1600	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	51100		2000	4000	5000	ug/L
118-74-1	Hexachlorobenzene	50200		1900	4000	5000	ug/L
1912-24-9	Atrazine	58900		3500	4000	5000	ug/L
87-86-5	Pentachlorophenol	116100	E	2600	8000	10000	ug/L
85-01-8	Phenanthrene	51700		2000	4000	5000	ug/L
120-12-7	Anthracene	52800		2300	4000	5000	ug/L
86-74-8	Carbazole	52300		1700	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	52400		2400	4000	5000	ug/L
206-44-0	Fluoranthene	49800		2100	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	SP6400			SDG No.:	BG011824		
Lab Sample ID:	SP6400			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
BG060354.D	1		1/18/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	109300	E	6600	8000	10000	ug/L
129-00-0	Pyrene	48200		1900	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	56800		2800	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	33200		5400	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	50900		1500	4000	5000	ug/L
218-01-9	Chrysene	50100		1600	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	54100		2900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	54700		3100	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	51700		1500	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	52400		1900	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	54400		2700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	55500		2100	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	55300		2000	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	51500		1900	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	51100		2100	4000	5000	ug/L
123-91-1	1,4-Dioxane	51900		2400	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	61800		1300	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	49300		2100	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	0	U	10-139		0	SPK: -150
13127-88-3	Phenol-d6	0	U	10-134		0	SPK: -150
4165-60-0	Nitrobenzene-d5	0	U	49-133		0	SPK: -100
321-60-8	2-Fluorobiphenyl	0	U	52-132		0	SPK: -100
118-79-6	2,4,6-Tribromophenol	0	U	32-145		0	SPK: -150
1718-51-0	Terphenyl-d14	0	U	36-145		0	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	199051	7.929				
1146-65-2	Naphthalene-d8	820422	10.732				
15067-26-2	Acenaphthene-d10	621333	14.568				
1517-22-2	Phenanthrene-d10	1688906	17.312				
1719-03-5	Chrysene-d12	1645504	21.578				
1520-96-3	Perylene-d12	1827784	24.739				



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Report of Analysis

Client:

Project:

Client Sample ID: SP6400

Lab Sample ID: SP6400

Analytical Method: 8270E

Sample Wt/Vol: 1000 Units: mL

Soil Aliquot Vol: uL

Extraction Type :

Injection Volume :

Date Collected:

Date Received:

SDG No.: BG011824

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

BG060354.D

1

1/18/2024 12:00:00 AM

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

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	TP-011724	SDG No.:	BG011824
Lab Sample ID:	P1159-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
Sample Wt/Vol:	50.08	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
BG060355.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	51.7	U	51.7	180	220	ug/Kg
110-86-1	Pyridine	48.5	U	48.5	87	110	ug/Kg
100-52-7	Benzaldehyde	99.1	U	99.1	180	220	ug/Kg
62-53-3	Aniline	78.3	U	78.3	87	110	ug/Kg
108-95-2	Phenol	49.8	U	49.8	87	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	60.1	U	60.1	87	110	ug/Kg
95-57-8	2-Chlorophenol	48.2	U	48.2	87	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54.7	U	54.7	87	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	59.2	U	59.2	87	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	55.2	U	55.2	87	110	ug/Kg
100-51-6	Benzyl Alcohol	66.1	U	66.1	180	220	ug/Kg
95-48-7	2-Methylphenol	76.3	U	76.3	87	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	70.3	U	70.3	87	110	ug/Kg
98-86-2	Acetophenone	58	U	58	87	110	ug/Kg
65794-96-9	3+4-Methylphenols	72.3	U	72.3	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	39.5	U	39.5	53.5	53.5	ug/Kg
67-72-1	Hexachloroethane	49.3	U	49.3	87	110	ug/Kg
98-95-3	Nitrobenzene	50.3	U	50.3	87	110	ug/Kg
78-59-1	Isophorone	45.6	U	45.6	87	110	ug/Kg
88-75-5	2-Nitrophenol	63.7	U	63.7	87	110	ug/Kg
105-67-9	2,4-Dimethylphenol	66.7	U	66.7	87	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	75	U	75	87	110	ug/Kg
120-83-2	2,4-Dichlorophenol	52.3	U	52.3	87	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.9	U	51.9	87	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	180	220	ug/Kg
91-20-3	Naphthalene	54.5	U	54.5	87	110	ug/Kg
106-47-8	4-Chloroaniline	70.3	U	70.3	87	110	ug/Kg
87-68-3	Hexachlorobutadiene	56.2	U	56.2	87	110	ug/Kg
105-60-2	Caprolactam	78.3	U	78.3	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	55.2	U	55.2	87	110	ug/Kg
91-57-6	2-Methylnaphthalene	63.5	U	63.5	87	110	ug/Kg

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	TP-011724	SDG No.:	BG011824
Lab Sample ID:	P1159-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
Sample Wt/Vol:	50.08	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
BG060355.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	51.6	U	51.6	87	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	58.8	U	58.8	87	110	ug/Kg
92-52-4	1,1-Biphenyl	61.1	U	61.1	87	110	ug/Kg
91-58-7	2-Chloronaphthalene	56.6	U	56.6	87	110	ug/Kg
88-74-4	2-Nitroaniline	66.5	U	66.5	87	110	ug/Kg
131-11-3	Dimethylphthalate	59.5	U	59.5	87	110	ug/Kg
208-96-8	Acenaphthylene	59.2	U	59.2	87	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	60.2	U	60.2	87	110	ug/Kg
99-09-2	3-Nitroaniline	62.5	U	62.5	87	110	ug/Kg
83-32-9	Acenaphthene	53.7	U	53.7	87	110	ug/Kg
Total PAH	Total PAH	961.9	U	961.9	87	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	220	ug/Kg
100-02-7	4-Nitrophenol	76.3	U	76.3	180	220	ug/Kg
132-64-9	Dibenzofuran	51.5	U	51.5	87	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	66.9	U	66.9	87	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.1	U	127.1	87	220	ug/Kg
84-66-2	Diethylphthalate	57.5	U	57.5	87	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	60.5	U	60.5	87	110	ug/Kg
86-73-7	Fluorene	56.8	U	56.8	87	110	ug/Kg
100-01-6	4-Nitroaniline	69.6	U	69.6	87	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	58.8	U	58.8	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	62.4	U	62.4	87	110	ug/Kg
103-33-3	Azobenzene	49.2	U	49.2	87	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	65.2	U	65.2	87	110	ug/Kg
118-74-1	Hexachlorobenzene	66.1	U	66.1	87	110	ug/Kg
1912-24-9	Atrazine	63.9	U	63.9	87	110	ug/Kg
87-86-5	Pentachlorophenol	74.3	U	74.3	180	220	ug/Kg
85-01-8	Phenanthrene	62	U	62	87	110	ug/Kg
120-12-7	Anthracene	68.3	U	68.3	87	110	ug/Kg
86-74-8	Carbazole	56.8	U	56.8	87	110	ug/Kg
84-74-2	Di-n-butylphthalate	69.6	U	69.6	87	110	ug/Kg
206-44-0	Fluoranthene	63.2	U	63.2	87	110	ug/Kg

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	TP-011724	SDG No.:	BG011824
Lab Sample ID:	P1159-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
Sample Wt/Vol:	50.08	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
BG060355.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	180	220	ug/Kg
129-00-0	Pyrene	56	U	56	87	110	ug/Kg
85-68-7	Butylbenzylphthalate	68.9	U	68.9	87	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	56.2	U	56.2	87	110	ug/Kg
218-01-9	Chrysene	58.1	U	58.1	87	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	77	U	77	87	110	ug/Kg
117-84-0	Di-n-octyl phthalate	82.3	U	82.3	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	53.7	U	53.7	87	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	59	U	59	87	110	ug/Kg
50-32-8	Benzo(a)pyrene	63.1	U	63.1	87	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	71.6	U	71.6	87	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	64.6	U	64.6	87	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	61.9	U	61.9	87	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59.8	U	59.8	87	110	ug/Kg
123-91-1	1,4-Dioxane	78.3	U	78.3	87	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	55.5	U	55.5	87	110	ug/Kg
90-12-0	1-Methylnaphthalene	60.4	U	60.4	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	104.999		18-112		70	SPK: -150
13127-88-3	Phenol-d6	104.522		15-107		70	SPK: -150
4165-60-0	Nitrobenzene-d5	67.514		18-107		68	SPK: -100
321-60-8	2-Fluorobiphenyl	66.509		20-109		67	SPK: -100
118-79-6	2,4,6-Tribromophenol	96.15		10-110		64	SPK: -150
1718-51-0	Terphenyl-d14	72.288		14-112		72	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	267690	7.926				
1146-65-2	Naphthalene-d8	930519	10.729				
15067-26-2	Acenaphthene-d10	680440	14.566				
1517-22-2	Phenanthrene-d10	1703139	17.31				
1719-03-5	Chrysene-d12	1554065	21.569				
1520-96-3	Perylene-d12	1801811	24.736				



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Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	TP-011724	SDG No.:	BG011824
Lab Sample ID:	P1159-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
Sample Wt/Vol:	50.08	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
BG060355.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
1000351-88-8	Nonadecyl pentafluoropropionate	58.2	J			21.217	

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	TP-011724MS	SDG No.:	BG011824
Lab Sample ID:	P1159-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
Sample Wt/Vol:	50.03 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
BG060356.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	890		51.8	180	220	ug/Kg
110-86-1	Pyridine	780		48.5	87.1	110	ug/Kg
100-52-7	Benzaldehyde	1200		99.2	180	220	ug/Kg
62-53-3	Aniline	750		78.4	87.1	110	ug/Kg
108-95-2	Phenol	1100		49.8	87.1	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	980		60.2	87.1	110	ug/Kg
95-57-8	2-Chlorophenol	1100		48.2	87.1	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	910		54.7	87.1	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	940		59.3	87.1	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	950		55.2	87.1	110	ug/Kg
100-51-6	Benzyl Alcohol	1100		66.2	180	220	ug/Kg
95-48-7	2-Methylphenol	1000		76.4	87.1	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	820		70.3	87.1	110	ug/Kg
98-86-2	Acetophenone	1000		58.1	87.1	110	ug/Kg
65794-96-9	3+4-Methylphenols	940		72.4	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	830		39.5	53.6	53.6	ug/Kg
67-72-1	Hexachloroethane	810		49.3	87.1	110	ug/Kg
98-95-3	Nitrobenzene	950		50.4	87.1	110	ug/Kg
78-59-1	Isophorone	930		45.6	87.1	110	ug/Kg
88-75-5	2-Nitrophenol	1100		63.7	87.1	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		66.7	87.1	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	960		75	87.1	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		52.3	87.1	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	950		51.9	87.1	110	ug/Kg
65-85-0	Benzoic acid	920		140	180	220	ug/Kg
91-20-3	Naphthalene	950		54.5	87.1	110	ug/Kg
106-47-8	4-Chloroaniline	430		70.3	87.1	110	ug/Kg
87-68-3	Hexachlorobutadiene	940		56.3	87.1	110	ug/Kg
105-60-2	Caprolactam	1000		78.4	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		55.3	87.1	110	ug/Kg
91-57-6	2-Methylnaphthalene	950		63.6	87.1	110	ug/Kg

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	TP-011724MS	SDG No.:	BG011824
Lab Sample ID:	P1159-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
Sample Wt/Vol:	50.03 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
BG060356.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2800	E	140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		51.7	87.1	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		58.9	87.1	110	ug/Kg
92-52-4	1,1-Biphenyl	980		61.2	87.1	110	ug/Kg
91-58-7	2-Chloronaphthalene	960		56.7	87.1	110	ug/Kg
88-74-4	2-Nitroaniline	1100		66.5	87.1	110	ug/Kg
131-11-3	Dimethylphthalate	970		59.6	87.1	110	ug/Kg
208-96-8	Acenaphthylene	1100		59.2	87.1	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		60.3	87.1	110	ug/Kg
99-09-2	3-Nitroaniline	720		62.6	87.1	110	ug/Kg
83-32-9	Acenaphthene	980		53.8	87.1	110	ug/Kg
Total PAH	Total PAH	15790		962.8	87.1	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	1300		120	180	220	ug/Kg
100-02-7	4-Nitrophenol	2100	E	76.4	180	220	ug/Kg
132-64-9	Dibenzofuran	1000		51.5	87.1	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2000		127.2	87.1	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		66.9	87.1	110	ug/Kg
84-66-2	Diethylphthalate	990		57.6	87.1	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	990		60.6	87.1	110	ug/Kg
86-73-7	Fluorene	1000		56.8	87.1	110	ug/Kg
100-01-6	4-Nitroaniline	1100		69.7	87.1	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	830		58.8	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		62.5	87.1	110	ug/Kg
103-33-3	Azobenzene	1000		49.2	87.1	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		65.3	87.1	110	ug/Kg
118-74-1	Hexachlorobenzene	970		66.2	87.1	110	ug/Kg
1912-24-9	Atrazine	1100		63.9	87.1	110	ug/Kg
87-86-5	Pentachlorophenol	1900	E	74.4	180	220	ug/Kg
85-01-8	Phenanthrene	1000		62.1	87.1	110	ug/Kg
120-12-7	Anthracene	1000		68.3	87.1	110	ug/Kg
86-74-8	Carbazole	1000		56.9	87.1	110	ug/Kg
84-74-2	Di-n-butylphthalate	1000		69.7	87.1	110	ug/Kg
206-44-0	Fluoranthene	930		63.2	87.1	110	ug/Kg

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	TP-011724MS	SDG No.:	BG011824
Lab Sample ID:	P1159-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
Sample Wt/Vol:	50.03 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
BG060356.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1100		130	180	220	ug/Kg
129-00-0	Pyrene	970		56.1	87.1	110	ug/Kg
85-68-7	Butylbenzylphthalate	1100		69	87.1	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	580		110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1000		56.2	87.1	110	ug/Kg
218-01-9	Chrysene	990		58.2	87.1	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		77	87.1	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		82.4	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	990		53.8	87.1	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	990		59	87.1	110	ug/Kg
50-32-8	Benzo(a)pyrene	1000		63.2	87.1	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		71.7	87.1	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000		64.7	87.1	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	890		62	87.1	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	990		59.9	87.1	110	ug/Kg
123-91-1	1,4-Dioxane	790		78.4	87.1	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		55.5	87.1	110	ug/Kg
90-12-0	1-Methylnaphthalene	910		60.4	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	111.414		18-112		74	SPK: -150
13127-88-3	Phenol-d6	109.385		15-107		73	SPK: -150
4165-60-0	Nitrobenzene-d5	69.126		18-107		69	SPK: -100
321-60-8	2-Fluorobiphenyl	68.091		20-109		68	SPK: -100
118-79-6	2,4,6-Tribromophenol	106.241		10-110		71	SPK: -150
1718-51-0	Terphenyl-d14	73.839		14-112		74	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	279271	7.924				
1146-65-2	Naphthalene-d8	998149	10.733				
15067-26-2	Acenaphthene-d10	720203	14.563				
1517-22-2	Phenanthrene-d10	1761581	17.313				
1719-03-5	Chrysene-d12	1580855	21.579				
1520-96-3	Perylene-d12	1838887	24.74				



Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	TP-011724MS	SDG No.:	BG011824
Lab Sample ID:	P1159-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
Sample Wt/Vol:	50.03	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
BG060356.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

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

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	TP-011724MSD	SDG No.:	BG011824
Lab Sample ID:	P1159-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
Sample Wt/Vol:	50.05 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
BG060357.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	910		51.8	180	220	ug/Kg
110-86-1	Pyridine	810		48.5	87.1	110	ug/Kg
100-52-7	Benzaldehyde	1300		99.1	180	220	ug/Kg
62-53-3	Aniline	740		78.4	87.1	110	ug/Kg
108-95-2	Phenol	1200		49.8	87.1	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	990		60.1	87.1	110	ug/Kg
95-57-8	2-Chlorophenol	1000		48.2	87.1	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	820		54.7	87.1	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	870		59.3	87.1	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	870		55.2	87.1	110	ug/Kg
100-51-6	Benzyl Alcohol	1000		66.2	180	220	ug/Kg
95-48-7	2-Methylphenol	920		76.3	87.1	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	860		70.3	87.1	110	ug/Kg
98-86-2	Acetophenone	930		58.1	87.1	110	ug/Kg
65794-96-9	3+4-Methylphenols	970		72.3	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	870		39.5	53.6	53.6	ug/Kg
67-72-1	Hexachloroethane	870		49.3	87.1	110	ug/Kg
98-95-3	Nitrobenzene	890		50.4	87.1	110	ug/Kg
78-59-1	Isophorone	850		45.6	87.1	110	ug/Kg
88-75-5	2-Nitrophenol	1000		63.7	87.1	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		66.7	87.1	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	890		75	87.1	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		52.3	87.1	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	880		51.9	87.1	110	ug/Kg
65-85-0	Benzoic acid	860		140	180	220	ug/Kg
91-20-3	Naphthalene	880		54.5	87.1	110	ug/Kg
106-47-8	4-Chloroaniline	360		70.3	87.1	110	ug/Kg
87-68-3	Hexachlorobutadiene	830		56.3	87.1	110	ug/Kg
105-60-2	Caprolactam	970		78.4	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		55.3	87.1	110	ug/Kg
91-57-6	2-Methylnaphthalene	890		63.6	87.1	110	ug/Kg

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	TP-011724MSD	SDG No.:	BG011824
Lab Sample ID:	P1159-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
Sample Wt/Vol:	50.05 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
BG060357.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2500	E	140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	950		51.6	87.1	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	940		58.9	87.1	110	ug/Kg
92-52-4	1,1-Biphenyl	890		61.1	87.1	110	ug/Kg
91-58-7	2-Chloronaphthalene	870		56.7	87.1	110	ug/Kg
88-74-4	2-Nitroaniline	1000		66.5	87.1	110	ug/Kg
131-11-3	Dimethylphthalate	870		59.5	87.1	110	ug/Kg
208-96-8	Acenaphthylene	980		59.2	87.1	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	930		60.3	87.1	110	ug/Kg
99-09-2	3-Nitroaniline	620		62.6	87.1	110	ug/Kg
83-32-9	Acenaphthene	900		53.8	87.1	110	ug/Kg
Total PAH	Total PAH	14590		962.5	87.1	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	1300		120	180	220	ug/Kg
100-02-7	4-Nitrophenol	1900	E	76.3	180	220	ug/Kg
132-64-9	Dibenzofuran	910		51.5	87.1	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	880		127.2	87.1	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	950		66.9	87.1	110	ug/Kg
84-66-2	Diethylphthalate	880		57.5	87.1	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	890		60.5	87.1	110	ug/Kg
86-73-7	Fluorene	890		56.8	87.1	110	ug/Kg
100-01-6	4-Nitroaniline	960		69.7	87.1	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	800		58.8	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	980		62.5	87.1	110	ug/Kg
103-33-3	Azobenzene	910		49.2	87.1	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	940		65.2	87.1	110	ug/Kg
118-74-1	Hexachlorobenzene	900		66.2	87.1	110	ug/Kg
1912-24-9	Atrazine	990		63.9	87.1	110	ug/Kg
87-86-5	Pentachlorophenol	1800	E	74.3	180	220	ug/Kg
85-01-8	Phenanthrene	930		62.1	87.1	110	ug/Kg
120-12-7	Anthracene	940		68.3	87.1	110	ug/Kg
86-74-8	Carbazole	910		56.9	87.1	110	ug/Kg
84-74-2	Di-n-butylphthalate	920		69.7	87.1	110	ug/Kg
206-44-0	Fluoranthene	860		63.2	87.1	110	ug/Kg

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	TP-011724MSD	SDG No.:	BG011824
Lab Sample ID:	P1159-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
Sample Wt/Vol:	50.05 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
BG060357.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1100		130	180	220	ug/Kg
129-00-0	Pyrene	910		56.1	87.1	110	ug/Kg
85-68-7	Butylbenzylphthalate	1100		69	87.1	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	530		110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	940		56.2	87.1	110	ug/Kg
218-01-9	Chrysene	920		58.1	87.1	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		77	87.1	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1000		82.4	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	890		53.8	87.1	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	910		59	87.1	110	ug/Kg
50-32-8	Benzo(a)pyrene	950		63.2	87.1	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	930		71.7	87.1	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	940		64.6	87.1	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	820		61.9	87.1	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	900		59.9	87.1	110	ug/Kg
123-91-1	1,4-Dioxane	810		78.4	87.1	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		55.5	87.1	110	ug/Kg
90-12-0	1-Methylnaphthalene	840		60.4	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	115.225		18-112		77	SPK: -150
13127-88-3	Phenol-d6	112.885		15-107		75	SPK: -150
4165-60-0	Nitrobenzene-d5	64.015		18-107		64	SPK: -100
321-60-8	2-Fluorobiphenyl	61.076		20-109		61	SPK: -100
118-79-6	2,4,6-Tribromophenol	96.092		10-110		64	SPK: -150
1718-51-0	Terphenyl-d14	66.629		14-112		67	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	277079	7.928				
1146-65-2	Naphthalene-d8	1107682	10.731				
15067-26-2	Acenaphthene-d10	817011	14.568				
1517-22-2	Phenanthrene-d10	1944066	17.312				
1719-03-5	Chrysene-d12	1726740	21.577				
1520-96-3	Perylene-d12	2041883	24.738				



Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	TP-011724MSD	SDG No.:	BG011824
Lab Sample ID:	P1159-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
Sample Wt/Vol:	50.05	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
BG060357.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

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

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	SU-02-011724	SDG No.:	BG011824
Lab Sample ID:	P1161-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.9
Sample Wt/Vol:	50.07	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
BG060358.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52.6	U	52.6	180	220	ug/Kg
110-86-1	Pyridine	49.2	U	49.2	88.4	120	ug/Kg
100-52-7	Benzaldehyde	100	U	100	180	220	ug/Kg
62-53-3	Aniline	79.6	U	79.6	88.4	120	ug/Kg
108-95-2	Phenol	50.6	U	50.6	88.4	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	61.1	U	61.1	88.4	120	ug/Kg
95-57-8	2-Chlorophenol	49	U	49	88.4	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	55.6	U	55.6	88.4	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	60.2	U	60.2	88.4	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	56	U	56	88.4	120	ug/Kg
100-51-6	Benzyl Alcohol	67.2	U	67.2	180	220	ug/Kg
95-48-7	2-Methylphenol	77.5	U	77.5	88.4	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	71.4	U	71.4	88.4	120	ug/Kg
98-86-2	Acetophenone	59	U	59	88.4	120	ug/Kg
65794-96-9	3+4-Methylphenols	73.5	U	73.5	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.1	U	40.1	54.4	54.4	ug/Kg
67-72-1	Hexachloroethane	50.1	U	50.1	88.4	120	ug/Kg
98-95-3	Nitrobenzene	51.1	U	51.1	88.4	120	ug/Kg
78-59-1	Isophorone	46.3	U	46.3	88.4	120	ug/Kg
88-75-5	2-Nitrophenol	64.7	U	64.7	88.4	120	ug/Kg
105-67-9	2,4-Dimethylphenol	67.7	U	67.7	88.4	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	76.2	U	76.2	88.4	120	ug/Kg
120-83-2	2,4-Dichlorophenol	53.1	U	53.1	88.4	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	52.7	U	52.7	88.4	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	180	220	ug/Kg
91-20-3	Naphthalene	55.4	U	55.4	88.4	120	ug/Kg
106-47-8	4-Chloroaniline	71.4	U	71.4	88.4	120	ug/Kg
87-68-3	Hexachlorobutadiene	57.1	U	57.1	88.4	120	ug/Kg
105-60-2	Caprolactam	79.6	U	79.6	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	56.1	U	56.1	88.4	120	ug/Kg
91-57-6	2-Methylnaphthalene	64.5	U	64.5	88.4	120	ug/Kg

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	SU-02-011724	SDG No.:	BG011824
Lab Sample ID:	P1161-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.9
Sample Wt/Vol:	50.07 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
BG060358.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	52.4	U	52.4	88.4	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	59.8	U	59.8	88.4	120	ug/Kg
92-52-4	1,1-Biphenyl	62.1	U	62.1	88.4	120	ug/Kg
91-58-7	2-Chloronaphthalene	57.5	U	57.5	88.4	120	ug/Kg
88-74-4	2-Nitroaniline	67.5	U	67.5	88.4	120	ug/Kg
131-11-3	Dimethylphthalate	60.5	U	60.5	88.4	120	ug/Kg
208-96-8	Acenaphthylene	60.1	U	60.1	88.4	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	61.2	U	61.2	88.4	120	ug/Kg
99-09-2	3-Nitroaniline	63.5	U	63.5	88.4	120	ug/Kg
83-32-9	Acenaphthene	54.6	U	54.6	88.4	120	ug/Kg
Total PAH	Total PAH	977.3	U	977.3	88.4	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	220	ug/Kg
100-02-7	4-Nitrophenol	77.5	U	77.5	180	220	ug/Kg
132-64-9	Dibenzofuran	52.3	U	52.3	88.4	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	67.9	U	67.9	88.4	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	29.1	U	129.1	88.4	240	ug/Kg
84-66-2	Diethylphthalate	58.4	U	58.4	88.4	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	61.5	U	61.5	88.4	120	ug/Kg
86-73-7	Fluorene	57.7	U	57.7	88.4	120	ug/Kg
100-01-6	4-Nitroaniline	70.7	U	70.7	88.4	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	59.7	U	59.7	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	63.5	U	63.5	88.4	120	ug/Kg
103-33-3	Azobenzene	50	U	50	88.4	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	66.2	U	66.2	88.4	120	ug/Kg
118-74-1	Hexachlorobenzene	67.2	U	67.2	88.4	120	ug/Kg
1912-24-9	Atrazine	64.9	U	64.9	88.4	120	ug/Kg
87-86-5	Pentachlorophenol	75.5	U	75.5	180	220	ug/Kg
85-01-8	Phenanthrene	63	U	63	88.4	120	ug/Kg
120-12-7	Anthracene	69.4	U	69.4	88.4	120	ug/Kg
86-74-8	Carbazole	57.7	U	57.7	88.4	120	ug/Kg
84-74-2	Di-n-butylphthalate	70.7	U	70.7	88.4	120	ug/Kg
206-44-0	Fluoranthene	64.2	U	64.2	88.4	120	ug/Kg

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	SU-02-011724	SDG No.:	BG011824
Lab Sample ID:	P1161-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.9
Sample Wt/Vol:	50.07 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
BG060358.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	180	220	ug/Kg
129-00-0	Pyrene	84	J	56.9	88.4	120	ug/Kg
85-68-7	Butylbenzylphthalate	70	U	70	88.4	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	57.1	U	57.1	88.4	120	ug/Kg
218-01-9	Chrysene	59	U	59	88.4	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	78.2	U	78.2	88.4	120	ug/Kg
117-84-0	Di-n-octyl phthalate	83.7	U	83.7	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	58	J	54.6	88.4	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	59.9	U	59.9	88.4	120	ug/Kg
50-32-8	Benzo(a)pyrene	64.1	U	64.1	88.4	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	72.8	U	72.8	88.4	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	65.6	U	65.6	88.4	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	62.9	U	62.9	88.4	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	60.8	U	60.8	88.4	120	ug/Kg
123-91-1	1,4-Dioxane	79.6	U	79.6	88.4	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	56.4	U	56.4	88.4	120	ug/Kg
90-12-0	1-Methylnaphthalene	61.3	U	61.3	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	80.83		18-112		54	SPK: -150
13127-88-3	Phenol-d6	79.522		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	45.738		18-107		46	SPK: -100
321-60-8	2-Fluorobiphenyl	45.211		20-109		45	SPK: -100
118-79-6	2,4,6-Tribromophenol	62.525		10-110		42	SPK: -150
1718-51-0	Terphenyl-d14	45.162		14-112		45	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	257009	7.926				
1146-65-2	Naphthalene-d8	1017968	10.729				
15067-26-2	Acenaphthene-d10	727821	14.565				
1517-22-2	Phenanthrene-d10	1727702	17.309				
1719-03-5	Chrysene-d12	1507079	21.575				
1520-96-3	Perylene-d12	1712656	24.742				



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

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	SU-02-011724	SDG No.:	BG011824
Lab Sample ID:	P1161-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.9
Sample Wt/Vol:	50.07	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
BG060358.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	71	A			5.035	
000544-63-8	Tetradecanoic acid	46.7	J			18.196	
1000336-44-2	Methyl 10-trans,12-cis-octadecadie	97.5	J			19.113	
1000382-90-3	Carbonic acid, hexadecyl prop-1-en	86.1	J			21.222	
000629-92-5	Nonadecane	50.3	J			22.356	

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	WC-B-COMP	SDG No.:	BG011824
Lab Sample ID:	P1169-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.05 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
BG060359.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	77.2	U	77.2	270	330	ug/Kg
110-86-1	Pyridine	72.3	U	72.3	130	170	ug/Kg
100-52-7	Benzaldehyde	150	U	150	270	330	ug/Kg
62-53-3	Aniline	120	U	120	130	170	ug/Kg
108-95-2	Phenol	74.3	U	74.3	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.7	U	89.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	71.9	U	71.9	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	81.6	U	81.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	88.4	U	88.4	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	82.3	U	82.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	98.6	U	98.6	270	330	ug/Kg
95-48-7	2-Methylphenol	110	U	110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	130	170	ug/Kg
98-86-2	Acetophenone	86.6	U	86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	58.9	U	58.9	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	73.5	U	73.5	130	170	ug/Kg
98-95-3	Nitrobenzene	75.1	U	75.1	130	170	ug/Kg
78-59-1	Isophorone	68	U	68	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.9	U	94.9	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	99.4	U	99.4	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	78	U	78	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	77.4	U	77.4	130	170	ug/Kg
65-85-0	Benzoic acid	210	U	210	270	330	ug/Kg
91-20-3	Naphthalene	81.3	U	81.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.9	U	83.9	130	170	ug/Kg
105-60-2	Caprolactam	120	U	120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.4	U	82.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	94.7	U	94.7	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	WC-B-COMP	SDG No.:	BG011824
Lab Sample ID:	P1169-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.05 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
BG060359.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	210	U	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77	U	77	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.8	U	87.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	91.1	U	91.1	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.5	U	84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	99.1	U	99.1	130	170	ug/Kg
131-11-3	Dimethylphthalate	88.8	U	88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	88.3	U	88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.9	U	89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	93.2	U	93.2	130	170	ug/Kg
83-32-9	Acenaphthene	110	J	80.2	130	170	ug/Kg
Total PAH	Total PAH	13400		1436.2	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	270	330	ug/Kg
132-64-9	Dibenzofuran	76.8	U	76.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.6	U	189.6	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.7	U	99.7	130	170	ug/Kg
84-66-2	Diethylphthalate	85.8	U	85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.2	U	90.2	130	170	ug/Kg
86-73-7	Fluorene	110	J	84.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.7	U	87.7	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.1	U	93.1	130	170	ug/Kg
103-33-3	Azobenzene	73.4	U	73.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.2	U	97.2	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.6	U	98.6	130	170	ug/Kg
1912-24-9	Atrazine	95.2	U	95.2	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	1700		92.5	130	170	ug/Kg
120-12-7	Anthracene	400		100	130	170	ug/Kg
86-74-8	Carbazole	130	J	84.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	1900		94.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	WC-B-COMP	SDG No.:	BG011824
Lab Sample ID:	P1169-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.05	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
BG060359.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	270	330	ug/Kg
129-00-0	Pyrene	2100		83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		83.8	130	170	ug/Kg
218-01-9	Chrysene	1300		86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	560		88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1200		94.1	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	500		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	J	96.3	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	570		92.3	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.3	U	89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.8	U	82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90	U	90	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	77.545		18-112		52	SPK: -150
13127-88-3	Phenol-d6	79.874		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	57.064		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	54.938		20-109		55	SPK: -100
118-79-6	2,4,6-Tribromophenol	83.726		10-110		56	SPK: -150
1718-51-0	Terphenyl-d14	59.959		14-112		60	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	283481	7.929				
1146-65-2	Naphthalene-d8	1137604	10.732				
15067-26-2	Acenaphthene-d10	818190	14.562				
1517-22-2	Phenanthrene-d10	1915827	17.312				
1719-03-5	Chrysene-d12	1632658	21.578				
1520-96-3	Perylene-d12	1891980	24.745				

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	WC-B-COMP	SDG No.:	BG011824
Lab Sample ID:	P1169-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.05	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
BG060359.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000486-25-9	9H-Fluoren-9-one	96.8	J			16.965	
000132-65-0	Dibenzothiophene	100	J			17.13	
000832-69-9	Phenanthrene, 1-methyl-	430	J			18.188	
002531-84-2	Phenanthrene, 2-methyl-	490	J			18.235	
000832-64-4	Phenanthrene, 4-methyl-	140	J			18.317	
000203-64-5	4H-Cyclopenta[def]phenanthrene	630	J			18.381	
000779-02-2	Anthracene, 9-methyl-	250	J			18.417	
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	250	J			18.687	
000084-65-1	9,10-Anthracenedione	180	J			18.728	
003674-66-6	Phenanthrene, 2,5-dimethyl-	300	J			19.104	
	unknown19.169	110	J			19.169	
005737-13-3	Cyclopenta(def)phenanthrenone	290	J			19.245	
002381-21-7	Pyrene, 1-methyl-	100	J			20.385	
000479-79-8	11H-Benzo[a]fluoren-11-one	100	J			20.978	
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	110	J			21.16	
025732-74-5	Cyclopenta(cd)pyrene, 3,4-dihydro-	100	J			21.208	
027208-37-3	Cyclopenta[cd]pyrene	100	J			21.255	
000082-05-3	7H-Benz[de]anthracen-7-one	120	J			21.307	
000192-97-2	Benzo[e]pyrene	240	J			23.993	
000198-55-0	Perylene	1100	J			24.451	

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	WC-C-COMP	SDG No.:	BG011824
Lab Sample ID:	P1169-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BG060360.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	77.2	U	77.2	270	330	ug/Kg
110-86-1	Pyridine	72.3	U	72.3	130	170	ug/Kg
100-52-7	Benzaldehyde	150	U	150	270	330	ug/Kg
62-53-3	Aniline	120	U	120	130	170	ug/Kg
108-95-2	Phenol	74.3	U	74.3	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.7	U	89.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	71.9	U	71.9	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	81.6	U	81.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	88.4	U	88.4	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	82.3	U	82.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	98.7	U	98.7	270	330	ug/Kg
95-48-7	2-Methylphenol	110	U	110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	130	170	ug/Kg
98-86-2	Acetophenone	86.6	U	86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	58.9	U	58.9	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	73.5	U	73.5	130	170	ug/Kg
98-95-3	Nitrobenzene	75.1	U	75.1	130	170	ug/Kg
78-59-1	Isophorone	68	U	68	130	170	ug/Kg
88-75-5	2-Nitrophenol	95	U	95	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	99.5	U	99.5	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	78	U	78	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	77.4	U	77.4	130	170	ug/Kg
65-85-0	Benzoic acid	210	U	210	270	330	ug/Kg
91-20-3	Naphthalene	81.3	U	81.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.9	U	83.9	130	170	ug/Kg
105-60-2	Caprolactam	120	U	120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.4	U	82.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	94.8	U	94.8	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	WC-C-COMP	SDG No.:	BG011824
Lab Sample ID:	P1169-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.04 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
BG060360.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	210	U	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77	U	77	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.8	U	87.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	91.2	U	91.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.5	U	84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	99.2	U	99.2	130	170	ug/Kg
131-11-3	Dimethylphthalate	88.8	U	88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	88.3	U	88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.9	U	89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	93.3	U	93.3	130	170	ug/Kg
83-32-9	Acenaphthene	170		80.2	130	170	ug/Kg
Total PAH	Total PAH	9720		1436.7	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	270	330	ug/Kg
132-64-9	Dibenzofuran	76.8	U	76.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.7	U	189.7	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.8	U	99.8	130	170	ug/Kg
84-66-2	Diethylphthalate	85.8	U	85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.3	U	90.3	130	170	ug/Kg
86-73-7	Fluorene	170		84.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.7	U	87.7	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.2	U	93.2	130	170	ug/Kg
103-33-3	Azobenzene	73.4	U	73.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.3	U	97.3	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.7	U	98.7	130	170	ug/Kg
1912-24-9	Atrazine	95.3	U	95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	1600		92.6	130	170	ug/Kg
120-12-7	Anthracene	390		100	130	170	ug/Kg
86-74-8	Carbazole	140	J	84.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	1500		94.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	WC-C-COMP	SDG No.:	BG011824
Lab Sample ID:	P1169-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.04 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
BG060360.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	270	330	ug/Kg
129-00-0	Pyrene	1500		83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	910		83.8	130	170	ug/Kg
218-01-9	Chrysene	860		86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	850		80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	370		88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	760		94.2	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	300		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.4	U	96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	340		92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.3	U	89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.8	U	82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	99.5	J	90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	74.318		18-112		50	SPK: -150
13127-88-3	Phenol-d6	85.776		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	61.318		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	60.905		20-109		61	SPK: -100
118-79-6	2,4,6-Tribromophenol	92.992		10-110		62	SPK: -150
1718-51-0	Terphenyl-d14	67.636		14-112		68	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	273394	7.925				
1146-65-2	Naphthalene-d8	1087123	10.734				
15067-26-2	Acenaphthene-d10	763513	14.564				
1517-22-2	Phenanthrene-d10	1792384	17.314				
1719-03-5	Chrysene-d12	1569740	21.58				
1520-96-3	Perylene-d12	1796884	24.747				

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	WC-C-COMP	SDG No.:	BG011824
Lab Sample ID:	P1169-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.04 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
BG060360.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000575-41-7	Naphthalene, 1,3-dimethyl-	100	J			13.883	
000486-25-9	9H-Fluoren-9-one	76.9	J			16.968	
000233-02-3	Naphtho[2,1-b]thiophene	96.2	J			17.132	
1000383-55-1	2-Methyldibenzothiophene	76.6	J			17.896	
000613-12-7	Anthracene, 2-methyl-	340	J			18.19	
002531-84-2	Phenanthrene, 2-methyl-	370	J			18.237	
000832-71-3	Phenanthrene, 3-methyl-	140	J			18.319	
000203-64-5	4H-Cyclopenta[def]phenanthrene	540	J			18.384	
000779-02-2	Anthracene, 9-methyl-	200	J			18.419	
000605-02-7	Naphthalene, 1-phenyl-	160	J			18.689	
000084-65-1	9,10-Anthracenedione	120	J			18.73	
003674-69-9	Phenanthrene, 4,5-dimethyl-	80.2	J			18.936	
003674-66-6	Phenanthrene, 2,5-dimethyl-	240	J			19.106	
005737-13-3	Cyclopenta(def)phenanthrenone	160	J			19.247	
002381-21-7	Pyrene, 1-methyl-	83.2	J			20.064	
000243-17-4	11H-Benzo[b]fluorene	89.2	J			20.223	
025732-74-5	Cyclopenta(cd)pyrene, 3,4-dihydro-	75.6	J			21.21	
000192-97-2	Benzo[e]pyrene	150	J			23.994	
000198-55-0	Perylene	600	J			24.453	

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	WC-A-COMP	SDG No.:	BG011824
Lab Sample ID:	P1169-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BG060361.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	77.1	U	77.1	270	330	ug/Kg
110-86-1	Pyridine	72.2	U	72.2	130	170	ug/Kg
100-52-7	Benzaldehyde	150	U	150	270	330	ug/Kg
62-53-3	Aniline	120	U	120	130	170	ug/Kg
108-95-2	Phenol	74.2	U	74.2	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.5	U	89.5	130	170	ug/Kg
95-57-8	2-Chlorophenol	71.8	U	71.8	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	81.5	U	81.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	88.2	U	88.2	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	82.2	U	82.2	130	170	ug/Kg
100-51-6	Benzyl Alcohol	98.5	U	98.5	270	330	ug/Kg
95-48-7	2-Methylphenol	110	U	110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	130	170	ug/Kg
98-86-2	Acetophenone	86.4	U	86.4	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	58.8	U	58.8	79.8	79.8	ug/Kg
67-72-1	Hexachloroethane	73.4	U	73.4	130	170	ug/Kg
98-95-3	Nitrobenzene	75	U	75	130	170	ug/Kg
78-59-1	Isophorone	67.9	U	67.9	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.8	U	94.8	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	99.3	U	99.3	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	77.9	U	77.9	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	77.3	U	77.3	130	170	ug/Kg
65-85-0	Benzoic acid	210	U	210	270	330	ug/Kg
91-20-3	Naphthalene	130	J	81.2	130	170	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.7	U	83.7	130	170	ug/Kg
105-60-2	Caprolactam	120	U	120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.3	U	82.3	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	94.6	U	94.6	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	WC-A-COMP	SDG No.:	BG011824
Lab Sample ID:	P1169-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BG060361.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	210	U	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.9	U	76.9	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.6	U	87.6	130	170	ug/Kg
92-52-4	1,1-Biphenyl	91	U	91	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.3	U	84.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	99	U	99	130	170	ug/Kg
131-11-3	Dimethylphthalate	88.6	U	88.6	130	170	ug/Kg
208-96-8	Acenaphthylene	88.1	U	88.1	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.7	U	89.7	130	170	ug/Kg
99-09-2	3-Nitroaniline	93.1	U	93.1	130	170	ug/Kg
83-32-9	Acenaphthene	320		80.1	130	170	ug/Kg
Total PAH	Total PAH	18080		1434.2	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	270	330	ug/Kg
132-64-9	Dibenzofuran	240		76.7	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.3	U	189.3	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.6	U	99.6	130	170	ug/Kg
84-66-2	Diethylphthalate	85.6	U	85.6	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.1	U	90.1	130	170	ug/Kg
86-73-7	Fluorene	280		84.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.5	U	87.5	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93	U	93	130	170	ug/Kg
103-33-3	Azobenzene	73.3	U	73.3	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.1	U	97.1	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.5	U	98.5	130	170	ug/Kg
1912-24-9	Atrazine	95.1	U	95.1	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	2500		92.4	130	170	ug/Kg
120-12-7	Anthracene	750		100	130	170	ug/Kg
86-74-8	Carbazole	350		84.6	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	2300		94.1	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	WC-A-COMP	SDG No.:	BG011824
Lab Sample ID:	P1169-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BG060361.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	270	330	ug/Kg
129-00-0	Pyrene	2600		83.4	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1700		83.6	130	170	ug/Kg
218-01-9	Chrysene	1800		86.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		80.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	750		87.8	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		94	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	590		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	J	96.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	620		92.2	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.1	U	89.1	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.7	U	82.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	91.9	J	89.9	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	69.473		18-112		46	SPK: -150
13127-88-3	Phenol-d6	70.861		15-107		47	SPK: -150
4165-60-0	Nitrobenzene-d5	49.893		18-107		50	SPK: -100
321-60-8	2-Fluorobiphenyl	49.02		20-109		49	SPK: -100
118-79-6	2,4,6-Tribromophenol	74.013		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	52.389		14-112		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	302836	7.93				
1146-65-2	Naphthalene-d8	1182024	10.732				
15067-26-2	Acenaphthene-d10	795957	14.563				
1517-22-2	Phenanthrene-d10	1798738	17.313				
1719-03-5	Chrysene-d12	1480555	21.584				
1520-96-3	Perylene-d12	1665498	24.757				

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	WC-A-COMP	SDG No.:	BG011824
Lab Sample ID:	P1169-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.09 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
BG060361.D	1	1/18/2024 12:00:00 AM	1/18/2024 12:00:00 AM	PB158491

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown3.118	170	J			3.118	
001689-64-1	9H-Fluoren-9-ol	140	J			15.903	
000486-25-9	9H-Fluoren-9-one	200	J			16.966	
000132-65-0	Dibenzothiophene	210	J			17.131	
1000383-55-1	2-Methyldibenzothiophene	130	J			17.895	
000779-02-2	Anthracene, 9-methyl-	660	J			18.194	
002531-84-2	Phenanthrene, 2-methyl-	690	J			18.241	
000832-64-4	Phenanthrene, 4-methyl-	260	J			18.318	
000203-64-5	4H-Cyclopenta[def]phenanthrene	1000	J			18.388	
000613-12-7	Anthracene, 2-methyl-	310	J			18.423	
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	360	J			18.688	
000084-65-1	9,10-Anthracenedione	310	J			18.729	
003674-69-9	Phenanthrene, 4,5-dimethyl-	200	J			18.935	
003674-66-6	Phenanthrene, 2,5-dimethyl-	420	J			19.105	
005737-13-3	Cyclopenta(def)phenanthrenone	340	J			19.252	
002381-21-7	Pyrene, 1-methyl-	130	J			20.063	
000238-84-6	11H-Benzo[a]fluorene	130	J			20.227	
003353-12-6	Pyrene, 4-methyl-	110	J			20.386	
000082-05-3	7H-Benz[de]anthracen-7-one	110	J			21.314	
000192-97-2	Benzo[c]pyrene	2500	J			24.469	

Hit Summary Sheet

SW-846

SDG No.: BG011824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-011724								
P1159-01	TP-011724	Solid	Nonadecyl pentafluoropropionate *	58.200	J			
Total Tics :						58.20		
Total Concentration:						58.20		
Client ID : SU-02-011724								
P1161-01	SU-02-011724	Solid	2-Pentanone, 4-hydroxy-4-methyl *	71.000	A			
P1161-01	SU-02-011724	Solid	Carbonic acid, hexadecyl prop-1-ε *	86.100	J			
P1161-01	SU-02-011724	Solid	Methyl 10-trans,12-cis-octadecadi *	97.500	J			
P1161-01	SU-02-011724	Solid	Nonadecane *	50.300	J			
P1161-01	SU-02-011724	Solid	Tetradecanoic acid *	46.700	J			
Total Tics :						351.60		
P1161-01	SU-02-011724	Solid	Benzo(b)fluoranthene	58.000	J	54.6	120	ug/Kg
P1161-01	SU-02-011724	Solid	Pyrene	84.000	J	56.9	120	ug/Kg
Total Svoc :						142.00		
Total Concentration:						493.60		
Client ID : WC-A-COMP								
P1169-01	WC-A-COMP	Solid	11H-Benzo[a]fluorene *	130.000	J			
P1169-01	WC-A-COMP	Solid	2-Methyl dibenzothiophene *	130.000	J			
P1169-01	WC-A-COMP	Solid	4H-Cyclopenta[def]phenanthrene *	1,000.000	J			
P1169-01	WC-A-COMP	Solid	5,16[1,2]:8,13[1,2]-Dibenzen *	360.000	J			
P1169-01	WC-A-COMP	Solid	7H-Benz[de]anthracen-7-one *	110.000	J			
P1169-01	WC-A-COMP	Solid	9,10-Anthracenedione *	310.000	J			
P1169-01	WC-A-COMP	Solid	9H-Fluoren-9-ol *	140.000	J			
P1169-01	WC-A-COMP	Solid	9H-Fluoren-9-one *	200.000	J			
P1169-01	WC-A-COMP	Solid	Anthracene, 2-methyl- *	310.000	J			
P1169-01	WC-A-COMP	Solid	Anthracene, 9-methyl- *	660.000	J			
P1169-01	WC-A-COMP	Solid	Benzo[e]pyrene *	2,500.000	J			
P1169-01	WC-A-COMP	Solid	Cyclopenta(def)phenanthrenone *	340.000	J			
P1169-01	WC-A-COMP	Solid	Dibenzothiophene *	210.000	J			
P1169-01	WC-A-COMP	Solid	Phenanthrene, 2,5-dimethyl- *	420.000	J			
P1169-01	WC-A-COMP	Solid	Phenanthrene, 2-methyl- *	690.000	J			
P1169-01	WC-A-COMP	Solid	Phenanthrene, 4,5-dimethyl- *	200.000	J			
P1169-01	WC-A-COMP	Solid	Phenanthrene, 4-methyl- *	260.000	J			
P1169-01	WC-A-COMP	Solid	Pyrene, 1-methyl- *	130.000	J			
P1169-01	WC-A-COMP	Solid	Pyrene, 4-methyl- *	110.000	J			
P1169-01	WC-A-COMP	Solid	unknown3.118 *	170.000	J			
Total Tics :						8,380.00		
P1169-01	WC-A-COMP	Solid	1-Methylnaphthalene	91.900	J	89.9	170	ug/Kg
P1169-01	WC-A-COMP	Solid	Acenaphthene	320.000		80.1	170	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BG011824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1169-01	WC-A-COMP	Solid	Anthracene	750.000		100	170	ug/Kg
P1169-01	WC-A-COMP	Solid	Benzo(a)anthracene	1,700.000		83.6	170	ug/Kg
P1169-01	WC-A-COMP	Solid	Benzo(a)pyrene	1,700.000		94	170	ug/Kg
P1169-01	WC-A-COMP	Solid	Benzo(b)fluoranthene	1,900.000		80.1	170	ug/Kg
P1169-01	WC-A-COMP	Solid	Benzo(g,h,i)perylene	620.000		92.2	170	ug/Kg
P1169-01	WC-A-COMP	Solid	Benzo(k)fluoranthene	750.000		87.8	170	ug/Kg
P1169-01	WC-A-COMP	Solid	Carbazole	350.000		84.6	170	ug/Kg
P1169-01	WC-A-COMP	Solid	Chrysene	1,800.000		86.5	170	ug/Kg
P1169-01	WC-A-COMP	Solid	Dibenzo(a,h)anthracene	140.000	J	96.2	170	ug/Kg
P1169-01	WC-A-COMP	Solid	Dibenzofuran	240.000		76.7	170	ug/Kg
P1169-01	WC-A-COMP	Solid	Fluoranthene	2,300.000		94.1	170	ug/Kg
P1169-01	WC-A-COMP	Solid	Fluorene	280.000		84.5	170	ug/Kg
P1169-01	WC-A-COMP	Solid	Indeno(1,2,3-cd)pyrene	590.000		110	170	ug/Kg
P1169-01	WC-A-COMP	Solid	Naphthalene	130.000	J	81.2	170	ug/Kg
P1169-01	WC-A-COMP	Solid	Phenanthrene	2,500.000		92.4	170	ug/Kg
P1169-01	WC-A-COMP	Solid	Pyrene	2,600.000		83.4	170	ug/Kg
P1169-01	WC-A-COMP	Solid	Total PAH	18,080.000		1434.2	2720	ug/Kg
Total Svoc :				36,841.90				
Total Concentration:				45,221.90				
Client ID : WC-B-COMP								
P1169-04	WC-B-COMP	Solid	11H-Benzo[a]fluoren-11-one	*	100.000	J		
P1169-04	WC-B-COMP	Solid	4H-Cyclopenta[def]phenanthrene	*	630.000	J		
P1169-04	WC-B-COMP	Solid	5,16[1,2]:8,13[1,2]-Dibenzen	*	250.000	J		
P1169-04	WC-B-COMP	Solid	7H-Benz[de]anthracen-7-one	*	120.000	J		
P1169-04	WC-B-COMP	Solid	9,10-Anthracenedione	*	180.000	J		
P1169-04	WC-B-COMP	Solid	9H-Fluoren-9-one	*	96.800	J		
P1169-04	WC-B-COMP	Solid	Anthracene, 9-methyl-	*	250.000	J		
P1169-04	WC-B-COMP	Solid	Benzo[b]naphtho[2,1-d]thiophene	*	110.000	J		
P1169-04	WC-B-COMP	Solid	Benzo[e]pyrene	*	240.000	J		
P1169-04	WC-B-COMP	Solid	Cyclopenta(cd)pyrene, 3,4-dihydr	*	100.000	J		
P1169-04	WC-B-COMP	Solid	Cyclopenta(def)phenanthrenone	*	290.000	J		
P1169-04	WC-B-COMP	Solid	Cyclopenta[cd]pyrene	*	100.000	J		
P1169-04	WC-B-COMP	Solid	Dibenzothiophene	*	100.000	J		
P1169-04	WC-B-COMP	Solid	Perylene	*	1,100.000	J		
P1169-04	WC-B-COMP	Solid	Phenanthrene, 1-methyl-	*	430.000	J		
P1169-04	WC-B-COMP	Solid	Phenanthrene, 2,5-dimethyl-	*	300.000	J		
P1169-04	WC-B-COMP	Solid	Phenanthrene, 2-methyl-	*	490.000	J		
P1169-04	WC-B-COMP	Solid	Phenanthrene, 4-methyl-	*	140.000	J		
P1169-04	WC-B-COMP	Solid	Pyrene, 1-methyl-	*	100.000	J		
P1169-04	WC-B-COMP	Solid	unknown19.169	*	110.000	J		
Total Tics :				5,236.80				
P1169-04	WC-B-COMP	Solid	Acenaphthene		110.000	J	80.2	170 ug/Kg

Hit Summary Sheet SW-846

SDG No.: BG011824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1169-04	WC-B-COMP	Solid	Anthracene	400.000		100	170	ug/Kg
P1169-04	WC-B-COMP	Solid	Benzo(a)anthracene	1,400.000		83.8	170	ug/Kg
P1169-04	WC-B-COMP	Solid	Benzo(a)pyrene	1,200.000		94.1	170	ug/Kg
P1169-04	WC-B-COMP	Solid	Benzo(b)fluoranthene	1,400.000		80.2	170	ug/Kg
P1169-04	WC-B-COMP	Solid	Benzo(g,h,i)perylene	570.000		92.3	170	ug/Kg
P1169-04	WC-B-COMP	Solid	Benzo(k)fluoranthene	560.000		88	170	ug/Kg
P1169-04	WC-B-COMP	Solid	Carbazole	130.000	J	84.8	170	ug/Kg
P1169-04	WC-B-COMP	Solid	Chrysene	1,300.000		86.7	170	ug/Kg
P1169-04	WC-B-COMP	Solid	Dibenzo(a,h)anthracene	150.000	J	96.3	170	ug/Kg
P1169-04	WC-B-COMP	Solid	Fluoranthene	1,900.000		94.2	170	ug/Kg
P1169-04	WC-B-COMP	Solid	Fluorene	110.000	J	84.7	170	ug/Kg
P1169-04	WC-B-COMP	Solid	Indeno(1,2,3-cd)pyrene	500.000		110	170	ug/Kg
P1169-04	WC-B-COMP	Solid	Phenanthrene	1,700.000		92.5	170	ug/Kg
P1169-04	WC-B-COMP	Solid	Pyrene	2,100.000		83.6	170	ug/Kg
P1169-04	WC-B-COMP	Solid	Total PAH	13,400.000		1436.2	2720	ug/Kg
Total Svoc :				26,930.00				
Total Concentration:				32,166.80				
Client ID :	WC-C-COMP							
P1169-07	WC-C-COMP	Solid	11H-Benzo[b]fluorene	*	89.200	J		
P1169-07	WC-C-COMP	Solid	2-Methyldibenzothiophene	*	76.600	J		
P1169-07	WC-C-COMP	Solid	4H-Cyclopenta[def]phenanthrene	*	540.000	J		
P1169-07	WC-C-COMP	Solid	9,10-Anthracenedione	*	120.000	J		
P1169-07	WC-C-COMP	Solid	9H-Fluoren-9-one	*	76.900	J		
P1169-07	WC-C-COMP	Solid	Anthracene, 2-methyl-	*	340.000	J		
P1169-07	WC-C-COMP	Solid	Anthracene, 9-methyl-	*	200.000	J		
P1169-07	WC-C-COMP	Solid	Benzo[e]pyrene	*	150.000	J		
P1169-07	WC-C-COMP	Solid	Cyclopenta(cd)pyrene, 3,4-dihydr	*	75.600	J		
P1169-07	WC-C-COMP	Solid	Cyclopenta(def)phenanthrenone	*	160.000	J		
P1169-07	WC-C-COMP	Solid	Naphthalene, 1,3-dimethyl-	*	100.000	J		
P1169-07	WC-C-COMP	Solid	Naphthalene, 1-phenyl-	*	160.000	J		
P1169-07	WC-C-COMP	Solid	Naphtho[2,1-b]thiophene	*	96.200	J		
P1169-07	WC-C-COMP	Solid	Perylene	*	600.000	J		
P1169-07	WC-C-COMP	Solid	Phenanthrene, 2,5-dimethyl-	*	240.000	J		
P1169-07	WC-C-COMP	Solid	Phenanthrene, 2-methyl-	*	370.000	J		
P1169-07	WC-C-COMP	Solid	Phenanthrene, 3-methyl-	*	140.000	J		
P1169-07	WC-C-COMP	Solid	Phenanthrene, 4,5-dimethyl-	*	80.200	J		
P1169-07	WC-C-COMP	Solid	Pyrene, 1-methyl-	*	83.200	J		
Total Tics :				3,697.90				
P1169-07	WC-C-COMP	Solid	1-Methylnaphthalene	99.500	J	90.1	170	ug/Kg
P1169-07	WC-C-COMP	Solid	Acenaphthene	170.000		80.2	170	ug/Kg
P1169-07	WC-C-COMP	Solid	Anthracene	390.000		100	170	ug/Kg
P1169-07	WC-C-COMP	Solid	Benzo(a)anthracene	910.000		83.8	170	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BG011824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1169-07	WC-C-COMP	Solid	Benzo(a)pyrene	760.000		94.2	170	ug/Kg
P1169-07	WC-C-COMP	Solid	Benzo(b)fluoranthene	850.000		80.2	170	ug/Kg
P1169-07	WC-C-COMP	Solid	Benzo(g,h,i)perylene	340.000		92.4	170	ug/Kg
P1169-07	WC-C-COMP	Solid	Benzo(k)fluoranthene	370.000		88	170	ug/Kg
P1169-07	WC-C-COMP	Solid	Carbazole	140.000	J	84.8	170	ug/Kg
P1169-07	WC-C-COMP	Solid	Chrysene	860.000		86.7	170	ug/Kg
P1169-07	WC-C-COMP	Solid	Fluoranthene	1,500.000		94.3	170	ug/Kg
P1169-07	WC-C-COMP	Solid	Fluorene	170.000		84.7	170	ug/Kg
P1169-07	WC-C-COMP	Solid	Indeno(1,2,3-cd)pyrene	300.000		110	170	ug/Kg
P1169-07	WC-C-COMP	Solid	Phenanthrene	1,600.000		92.6	170	ug/Kg
P1169-07	WC-C-COMP	Solid	Pyrene	1,500.000		83.6	170	ug/Kg
P1169-07	WC-C-COMP	Solid	Total PAH	9,720.000		1436.7	2720	ug/Kg
Total Svoc :				19,679.50				
Total Concentration:				23,377.40				

Client ID : SP6400

SP6400	SP6400	Water	1,1-Biphenyl	50,600.000		1800	5000	ug/L
SP6400	SP6400	Water	1,2,4,5-Tetrachlorobenzene	51,100.000		2100	5000	ug/L
SP6400	SP6400	Water	1,2,4-Trichlorobenzene	51,600.000		1700	5000	ug/L
SP6400	SP6400	Water	1,2-Dichlorobenzene	51,400.000		1300	5000	ug/L
SP6400	SP6400	Water	1,3-Dichlorobenzene	53,000.000		1700	5000	ug/L
SP6400	SP6400	Water	1,4-Dichlorobenzene	53,400.000		1400	5000	ug/L
SP6400	SP6400	Water	1,4-Dioxane	51,900.000		2400	5000	ug/L
SP6400	SP6400	Water	1-Methylnaphthalene	49,300.000		2100	5000	ug/L
SP6400	SP6400	Water	2,2-oxybis(1-Chloropropane)	51,300.000		2300	5000	ug/L
SP6400	SP6400	Water	2,3,4,6-Tetrachlorophenol	61,800.000		1300	5000	ug/L
SP6400	SP6400	Water	2,4,5-Trichlorophenol	55,600.000		1600	5000	ug/L
SP6400	SP6400	Water	2,4,6-Trichlorophenol	55,000.000		1500	5000	ug/L
SP6400	SP6400	Water	2,4-Dichlorophenol	59,800.000		1700	5000	ug/L
SP6400	SP6400	Water	2,4-Dimethylphenol	68,800.000		3000	5000	ug/L
SP6400	SP6400	Water	2,4-Dinitrophenol	113,000.000	E	5500	10000	ug/L
SP6400	SP6400	Water	2,4-Dinitrotoluene	60,800.000		2500	5000	ug/L
SP6400	SP6400	Water	2,6-Dinitrotoluene	57,600.000		2100	5000	ug/L
SP6400	SP6400	Water	2-Chloronaphthalene	49,800.000		1600	5000	ug/L
SP6400	SP6400	Water	2-Chlorophenol	61,100.000		1400	5000	ug/L
SP6400	SP6400	Water	2-Methylnaphthalene	51,700.000		2200	5000	ug/L
SP6400	SP6400	Water	2-Methylphenol	59,200.000		2100	5000	ug/L
SP6400	SP6400	Water	2-Nitroaniline	60,600.000		2400	5000	ug/L
SP6400	SP6400	Water	2-Nitrophenol	58,700.000		2400	5000	ug/L
SP6400	SP6400	Water	3+4-Methylphenols	59,900.000		2200	10000	ug/L
SP6400	SP6400	Water	3,3-Dichlorobenzidine	33,200.000		5400	10000	ug/L
SP6400	SP6400	Water	3-Nitroaniline	39,200.000		2400	5000	ug/L
SP6400	SP6400	Water	4,6-Dinitro-2-methylphenol	56,800.000		1800	10000	ug/L

Hit Summary Sheet SW-846

SDG No.: BG011824

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SP6400	SP6400	Water	4-Bromophenyl-phenylether	51,100.000		2000	5000	ug/L
SP6400	SP6400	Water	4-Chloro-3-methylphenol	57,900.000		1800	5000	ug/L
SP6400	SP6400	Water	4-Chloroaniline	29,200.000		2500	5000	ug/L
SP6400	SP6400	Water	4-Chlorophenyl-phenylether	52,800.000		2200	5000	ug/L
SP6400	SP6400	Water	4-Nitroaniline	61,800.000		2300	5000	ug/L
SP6400	SP6400	Water	4-Nitrophenol	145,500.000	E	2800	10000	ug/L
SP6400	SP6400	Water	Acenaphthene	51,900.000		1700	5000	ug/L
SP6400	SP6400	Water	Acenaphthylene	57,500.000		2100	5000	ug/L
SP6400	SP6400	Water	Acetophenone	53,400.000		1800	5000	ug/L
SP6400	SP6400	Water	Aniline	52,600.000		2400	5000	ug/L
SP6400	SP6400	Water	Anthracene	52,800.000		2300	5000	ug/L
SP6400	SP6400	Water	Atrazine	58,900.000		3500	5000	ug/L
SP6400	SP6400	Water	Azobenzene	54,700.000		1600	5000	ug/L
SP6400	SP6400	Water	Benzaldehyde	65,700.000		3300	10000	ug/L
SP6400	SP6400	Water	Benzidine	109,300.000	E	6600	10000	ug/L
SP6400	SP6400	Water	Benzo(a)anthracene	50,900.000		1500	5000	ug/L
SP6400	SP6400	Water	Benzo(a)pyrene	54,400.000		2700	5000	ug/L
SP6400	SP6400	Water	Benzo(b)fluoranthene	51,700.000		1500	5000	ug/L
SP6400	SP6400	Water	Benzo(g,h,i)perylene	51,500.000		1900	5000	ug/L
SP6400	SP6400	Water	Benzo(k)fluoranthene	52,400.000		1900	5000	ug/L
SP6400	SP6400	Water	Benzoic acid	49,100.000		6700	10000	ug/L
SP6400	SP6400	Water	Benzyl Alcohol	61,400.000		2400	10000	ug/L
SP6400	SP6400	Water	bis(2-Chloroethoxy)methane	53,600.000		2000	5000	ug/L
SP6400	SP6400	Water	bis(2-Chloroethyl)ether	55,300.000		1700	5000	ug/L
SP6400	SP6400	Water	Bis(2-ethylhexyl)phthalate	54,100.000		2900	5000	ug/L
SP6400	SP6400	Water	Butylbenzylphthalate	56,800.000		2800	5000	ug/L
SP6400	SP6400	Water	Caprolactam	60,700.000		3400	10000	ug/L
SP6400	SP6400	Water	Carbazole	52,300.000		1700	5000	ug/L
SP6400	SP6400	Water	Chrysene	50,100.000		1600	5000	ug/L
SP6400	SP6400	Water	Di-n-butylphthalate	52,400.000		2400	5000	ug/L
SP6400	SP6400	Water	Di-n-octyl phthalate	54,700.000		3100	10000	ug/L
SP6400	SP6400	Water	Dibenzo(a,h)anthracene	55,300.000		2000	5000	ug/L
SP6400	SP6400	Water	Dibenzofuran	53,900.000		1600	5000	ug/L
SP6400	SP6400	Water	Diethylphthalate	55,700.000		2100	5000	ug/L
SP6400	SP6400	Water	Dimethylphthalate	54,400.000		1900	5000	ug/L
SP6400	SP6400	Water	Fluoranthene	49,800.000		2100	5000	ug/L
SP6400	SP6400	Water	Fluorene	53,800.000		2000	5000	ug/L
SP6400	SP6400	Water	Hexachlorobenzene	50,200.000		1900	5000	ug/L
SP6400	SP6400	Water	Hexachlorobutadiene	48,400.000		1900	5000	ug/L
SP6400	SP6400	Water	Hexachlorocyclopentadiene	169,100.000	E	5700	10000	ug/L
SP6400	SP6400	Water	Hexachloroethane	50,800.000		1600	5000	ug/L
SP6400	SP6400	Water	Indeno(1,2,3-cd)pyrene	55,500.000		2100	5000	ug/L

Hit Summary Sheet

SW-846

SDG No.: BG011824

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SP6400	SP6400	Water	Isophorone	50,700.000		1700	5000	ug/L
SP6400	SP6400	Water	n-Nitroso-di-n-propylamine	53,100.000		2000	2500	ug/L
SP6400	SP6400	Water	n-Nitrosodimethylamine	53,000.000		2000	10000	ug/L
SP6400	SP6400	Water	n-Nitrosodiphenylamine	52,300.000		2000	5000	ug/L
SP6400	SP6400	Water	Naphthalene	51,900.000		1700	5000	ug/L
SP6400	SP6400	Water	Nitrobenzene	49,900.000		1700	5000	ug/L
SP6400	SP6400	Water	Pentachlorophenol	116,100.000	E	2600	10000	ug/L
SP6400	SP6400	Water	Phenanthrene	51,700.000		2000	5000	ug/L
SP6400	SP6400	Water	Phenol	63,000.000		1500	5000	ug/L
SP6400	SP6400	Water	Pyrene	48,200.000		1900	5000	ug/L
SP6400	SP6400	Water	Pyridine	45,000.000		1800	5000	ug/L
SP6400	SP6400	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	118,400.000		4600	10000	ug/L
SP6400	SP6400	Water	Total PAH	839,400.000		31000	80000	ug/L
Total Svoc :				5,632,300.00				
Total Concentration:				5,632,300.00				



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



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BG011824 SAS No.: BG011824 SDG NO.: BG011824EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 18 2024 12:00AMLab File ID: BG060287.D Time Analyzed: 14:03Instrument 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	PB158482BL	277209	7.93	1.12978e	10.73	882529	14.56
02	PB158482BS	225041	7.93	940587	10.73	748871	14.57
03	PB158446TB	219020	7.93	866921	10.73	635259	14.56
04	SP6400	199051	7.93	820422	10.73	621333	14.57
05	TP-011724	267690	7.93	930519	10.73	680440	14.57
06	TP-011724MS	279271	7.92	998149	10.73	720203	14.56
07	TP-011724MSD	277079	7.93	1.10768e	10.73	817011	14.57
08	SU-02-011724	257009	7.93	1.01797e	10.73	727821	14.57
09	WC-B-COMP	283481	7.93	1.1376e+	10.73	818190	14.56
10	WC-C-COMP	273394	7.93	1.08712e	10.73	763513	14.56
11	WC-A-COMP	302836	7.93	1.18202e	10.73	795957	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.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BG011824 SAS No.: BG011824 SDG NO.: BG011824EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 18 2024 12:00AMLab File ID: BG060350.D Time Analyzed: 14:03Instrument 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	222817	7.929	976786	10.73	765852	14.57
	UPPER LIMIT	445634	8.429	1953572	11.232	1531704	15.069
	LOWER LIMIT	111408.5	7.429	488393	10.232	382926	14.069
	EPA SAMPLE NO.						
01	PB158482BL	277209	7.93	1.12978e	10.73	882529	14.56
02	PB158482BS	225041	7.93	940587	10.73	748871	14.57
03	PB158446TB	219020	7.93	866921	10.73	635259	14.56
04	SP6400	199051	7.93	820422	10.73	621333	14.57
05	TP-011724	267690	7.93	930519	10.73	680440	14.57
06	TP-011724MS	279271	7.92	998149	10.73	720203	14.56
07	TP-011724MSD	277079	7.93	1.10768e	10.73	817011	14.57
08	SU-02-011724	257009	7.93	1.01797e	10.73	727821	14.57
09	WC-B-COMP	283481	7.93	1.1376e+	10.73	818190	14.56
10	WC-C-COMP	273394	7.93	1.08712e	10.73	763513	14.56
11	WC-A-COMP	302836	7.93	1.18202e	10.73	795957	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.: BG011824 SAS No.: BG011824 SDG NO.: BG011824

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 18 2024 12:00AM

Lab File ID: BG060287.D Time Analyzed: 14:03

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 PB158482BL	2.50418	17.31	2.55997e+	21.57	2.79338e+	24.74
02 PB158482BS	1.93028	17.31	1.79159e+	21.58	1.86918e+	24.74
03 PB158446TB	1.84796	17.31	1.89003e+	21.57	2.13388e+	24.74
04 SP6400	1.68891	17.31	1.6455e+0	21.58	1.82778e+	24.74
05 TP-011724	1.70314	17.31	1.55407e+	21.57	1.80181e+	24.74
06 TP-011724MS	1.76158	17.31	1.58086e+	21.58	1.83889e+	24.74
07 TP-011724MSD	1.94407	17.31	1.72674e+	21.58	2.04188e+	24.74
08 SU-02-011724	1.7277e	17.31	1.50708e+	21.58	1.71266e+	24.74
09 WC-B-COMP	1.91583	17.31	1.63266e+	21.58	1.89198e+	24.75
10 WC-C-COMP	1.79238	17.31	1.56974e+	21.58	1.79688e+	24.75
11 WC-A-COMP	1.79874	17.31	1.48056e+	21.58	1.6655e+0	24.76

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.: BG011824 SAS No.: BG011824 SDG NO.: BG011824

EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 18 2024 12:00AM

Lab File ID: BG060350.D Time Analyzed: 14:03

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	1.98594e+0	17.312	1.91625e+	21.578	2.13523e+0	24.739
UPPER LIMIT	3971880	17.812	3832500	22.078	4270460	25.239
LOWER LIMIT	992970	16.812	958125	21.078	1067615	24.239
EPA SAMPLE NO.						
01 PB158482BL	2.50418	17.31	2.55997e+	21.57	2.79338e+	24.74
02 PB158482BS	1.93028	17.31	1.79159e+	21.58	1.86918e+	24.74
03 PB158446TB	1.84796	17.31	1.89003e+	21.57	2.13388e+	24.74
04 SP6400	1.68891	17.31	1.6455e+0	21.58	1.82778e+	24.74
05 TP-011724	1.70314	17.31	1.55407e+	21.57	1.80181e+	24.74
06 TP-011724MS	1.76158	17.31	1.58086e+	21.58	1.83889e+	24.74
07 TP-011724MSD	1.94407	17.31	1.72674e+	21.58	2.04188e+	24.74
08 SU-02-011724	1.7277e	17.31	1.50708e+	21.58	1.71266e+	24.74
09 WC-B-COMP	1.91583	17.31	1.63266e+	21.58	1.89198e+	24.75
10 WC-C-COMP	1.79238	17.31	1.56974e+	21.58	1.79688e+	24.75
11 WC-A-COMP	1.79874	17.31	1.48056e+	21.58	1.6655e+0	24.76

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.: BG011824

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB158482BS	n-Nitrosodimethylamine	50	37.7	ug/L	75				55	108	
	Pyridine	50	27.2	ug/L	54				29	97	
	Benzaldehyde	50	23.7	ug/L	47				15	121	
	Aniline	50	28.1	ug/L	56				10	130	
	Phenol	50	49.7	ug/L	99				66	118	
	bis(2-Chloroethyl)ether	50	41.2	ug/L	82				62	103	
	2-Chlorophenol	50	46	ug/L	92				70	117	
	1,2-Dichlorobenzene	50	37.4	ug/L	75				72	102	
	1,3-Dichlorobenzene	50	38.9	ug/L	78				71	103	
	1,4-Dichlorobenzene	50	38.8	ug/L	78				76	103	
	Benzyl Alcohol	50	47.9	ug/L	96		*		36	93	
	2-Methylphenol	50	45.5	ug/L	91				69	109	
	2,2-oxybis(1-Chloropropane)	50	39.2	ug/L	78				52	103	
	Acetophenone	50	43.5	ug/L	87				60	104	
	3+4-Methylphenols	50	47.5	ug/L	95				67	106	
	N-Nitroso-di-n-propylamine	50	42.4	ug/L	85				57	107	
	Hexachloroethane	50	37.5	ug/L	75		*		76	118	
	Nitrobenzene	50	39.2	ug/L	78				58	106	
	Isophorone	50	41.3	ug/L	83				61	102	
	2-Nitrophenol	50	45.9	ug/L	92				70	115	
	2,4-Dimethylphenol	50	56.6	ug/L	113				67	130	
	bis(2-Chloroethoxy)methane	50	41.2	ug/L	82				58	109	
	2,4-Dichlorophenol	50	46.7	ug/L	93				66	115	
	1,2,4-Trichlorobenzene	50	38.5	ug/L	77				41	115	
	Benzoic acid	50	44.3	ug/L	89				10	125	
	Naphthalene	50	39.8	ug/L	80				64	107	
	4-Chloroaniline	50	22.6	ug/L	45				10	85	
	Hexachlorobutadiene	50	36.1	ug/L	72				69	101	
	Caprolactam	50	51.2	ug/L	102				58	128	
	4-Chloro-3-methylphenol	50	47.6	ug/L	95				65	114	
	2-Methylnaphthalene	50	40.2	ug/L	80				64	107	
	Hexachlorocyclopentadiene	100	110	ug/L	110				36	160	
	2,4,6-Trichlorophenol	50	41.7	ug/L	83				61	110	
	2,4,5-Trichlorophenol	50	43.2	ug/L	86				70	106	
	1,1-Biphenyl	50	38.9	ug/L	78				72	98	
	2-Chloronaphthalene	50	38	ug/L	76				59	106	
	2-Nitroaniline	50	48.5	ug/L	97				58	107	
	Dimethylphthalate	50	42.8	ug/L	86				64	103	
	Acenaphthylene	50	44.4	ug/L	89				65	108	
	2,6-Dinitrotoluene	50	44.6	ug/L	89				64	110	
	3-Nitroaniline	50	34.8	ug/L	70				28	100	
	Acenaphthene	50	40	ug/L	80				59	113	
	Total PAH	800	686.8	ug/L	86				59	113	
	2,4-Dinitrophenol	100	92.3	ug/L	92				64	132	
	4-Nitrophenol	100	110	ug/L	110				68	116	
	Dibenzofuran	50	41.9	ug/L	84				65	106	



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: BG011824

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB158482BS	2,4-Dinitrotoluene	50	46.2	ug/L	92				60	115	
	2,4-Dinitrotoluene/2,6-Dinitro	100	90.8	ug/L	91				60	115	
	Diethylphthalate	50	43.7	ug/L	87				63	105	
	4-Chlorophenyl-phenylether	50	41.2	ug/L	82				61	104	
	Fluorene	50	42.3	ug/L	85				64	107	
	4-Nitroaniline	50	44.6	ug/L	89				69	112	
	4,6-Dinitro-2-methylphenol	50	44.7	ug/L	89				62	132	
	N-Nitrosodiphenylamine	50	42.9	ug/L	86				61	109	
	Azobenzene	50	43	ug/L	86				59	106	
	4-Bromophenyl-phenylether	50	40.3	ug/L	81				73	103	
	Hexachlorobenzene	50	40.1	ug/L	80				73	106	
	Atrazine	50	34.5	ug/L	69		*		76	120	
	Pentachlorophenol	100	92.7	ug/L	93				47	114	
	Phenanthrene	50	42.4	ug/L	85				62	109	
	Anthracene	50	42.9	ug/L	86				65	110	
	Carbazole	50	41.9	ug/L	84				62	106	
	Di-n-butylphthalate	50	42	ug/L	84				64	106	
	Fluoranthene	50	40	ug/L	80				64	110	
	Benzidine	100	32.7	ug/L	33				10	94	
	Pyrene	50	40.5	ug/L	81				71	103	
	Butylbenzylphthalate	50	46.4	ug/L	93				61	105	
	3,3-Dichlorobenzidine	50	37.9	ug/L	76				43	108	
	Benzo(a)anthracene	50	41.9	ug/L	84				62	107	
	Chrysene	50	40.8	ug/L	82				61	108	
	bis(2-Ethylhexyl)phthalate	50	44.4	ug/L	89				59	110	
	Di-n-octyl phthalate	50	45.5	ug/L	91				67	126	
	Benzo(b)fluoranthene	50	45	ug/L	90				77	113	
	Benzo(k)fluoranthene	50	45.1	ug/L	90				64	113	
	Benzo(a)pyrene	50	45	ug/L	90				72	131	
	Indeno(1,2,3-cd)pyrene	50	46.1	ug/L	92				72	105	
	Dibenz(a,h)anthracene	50	46.6	ug/L	93				78	115	
	Benzo(g,h,i)perylene	50	44	ug/L	88				75	118	
	1,2,4,5-Tetrachlorobenzene	50	38.1	ug/L	76				72	101	
	1,4-Dioxane	50	30.7	ug/L	61				38	125	
	2,3,4,6-Tetrachlorophenol	50	48.3	ug/L	97				63	116	
	1-Methylnaphthalene	50	39.7	ug/L	79				51	114	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SP6400

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG011824SAS No.: BG011824 SDG NO.: BG011824Lab File ID: BG060354.DLab Sample ID: SP6400Instrument ID: BNA_G

Date Extracted: _____

Matrix: (soil/water) WaterDate Analyzed: 01/18/2024Level: (low/med) LOWTime Analyzed: 16:04

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SP6400	SP6400	BG060354.D	01/18/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB158482BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG011824SAS No.: BG011824 SDG NO.: BG011824Lab File ID: BG060351.DLab Sample ID: PB158482BLInstrument ID: BNA_GDate Extracted: 01/17/2024Matrix: (soil/water) waterDate Analyzed: 01/18/2024Level: (low/med) LOWTime Analyzed: 14:03

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB158482BS	PB158482BS	BG060352.D	01/18/2024
PB158446TB	PB158446TB	BG060353.D	01/18/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

TP-011724

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG011824SAS No.: BG011824 SDG NO.: BG011824Lab File ID: BG060355.DLab Sample ID: P1159-01Instrument ID: BNA_GDate Extracted: 01/18/2024Matrix: (soil/water) SolidDate Analyzed: 01/18/2024Level: (low/med) LOWTime Analyzed: 16:50

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TP-011724	P1159-01	BG060355.D	01/18/2024
TP-011724MS	P1159-01MS	BG060356.D	01/18/2024
TP-011724MSD	P1159-01MSD	BG060357.D	01/18/2024
SU-02-011724	P1161-01	BG060358.D	01/18/2024
WC-B-COMP	P1169-04	BG060359.D	01/18/2024
WC-C-COMP	P1169-07	BG060360.D	01/18/2024
WC-A-COMP	P1169-01	BG060361.D	01/18/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG011824

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P1159-01MS	Client Sample ID:	TP-011724MS					DataFile:	BG060356.D		
n-Nitrosodimethylamine	1100		890	ug/Kg	81				66	124	
Pyridine	1100		780	ug/Kg	71				45	119	
Benzaldehyde	1100		1200	ug/Kg	109				26	163	
Aniline	1100		750	ug/Kg	68				10	88	
Phenol	1100		1100	ug/Kg	100				67	126	
bis(2-Chloroethyl)ether	1100		980	ug/Kg	89				74	116	
2-Chlorophenol	1100		1100	ug/Kg	100				61	138	
1,2-Dichlorobenzene	1100		910	ug/Kg	83				61	105	
1,3-Dichlorobenzene	1100		940	ug/Kg	85				62	101	
1,4-Dichlorobenzene	1100		950	ug/Kg	86				63	104	
Benzyl Alcohol	1100		1100	ug/Kg	100				47	126	
2-Methylphenol	1100		1000	ug/Kg	91				66	122	
2,2-oxybis(1-Chloropropane)	1100		820	ug/Kg	75				52	115	
Acetophenone	1100		1000	ug/Kg	91				75	111	
3+4-Methylphenols	1100		940	ug/Kg	85				53	132	
N-Nitroso-di-n-propylamine	1100		830	ug/Kg	75				59	119	
Hexachloroethane	1100		810	ug/Kg	74				65	117	
Nitrobenzene	1100		950	ug/Kg	86				70	119	
Isophorone	1100		930	ug/Kg	85				76	122	
2-Nitrophenol	1100		1100	ug/Kg	100				54	145	
2,4-Dimethylphenol	1100		1200	ug/Kg	109				83	144	
bis(2-Chloroethoxy)methane	1100		960	ug/Kg	87				68	112	
2,4-Dichlorophenol	1100		1100	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	1100		950	ug/Kg	86				57	103	
Benzoic acid	1100		920	ug/Kg	84				50	104	
Naphthalene	1100		950	ug/Kg	86				72	110	
4-Chloroaniline	1100		430	ug/Kg	39				10	100	
Hexachlorobutadiene	1100		940	ug/Kg	85				66	114	
Caprolactam	1100		1000	ug/Kg	91				51	134	
4-Chloro-3-methylphenol	1100		1100	ug/Kg	100				57	132	
2-Methylnaphthalene	1100		950	ug/Kg	86				59	123	
Hexachlorocyclopentadiene	2200		2800	ug/Kg	127				10	175	
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	1100		1000	ug/Kg	91				72	117	
1,1-Biphenyl	1100		980	ug/Kg	89				75	113	
2-Chloronaphthalene	1100		960	ug/Kg	87				67	118	
2-Nitroaniline	1100		1100	ug/Kg	100				69	127	
Dimethylphthalate	1100		970	ug/Kg	88				70	113	
Acenaphthylene	1100		1100	ug/Kg	100				79	118	
2,6-Dinitrotoluene	1100		1000	ug/Kg	91				70	125	
3-Nitroaniline	1100		720	ug/Kg	65				20	111	
Acenaphthene	1100		980	ug/Kg	89				70	121	
Total PAH	17600		15790	ug/Kg	90				70	121	
2,4-Dinitrophenol	2200		1300	ug/Kg	59				16	160	
4-Nitrophenol	2200		2100	ug/Kg	95				45	133	
Dibenzofuran	1100		1000	ug/Kg	91				72	110	
2,4-Dinitrotoluene	1100		1000	ug/Kg	91				55	128	



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG011824

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	2200		2000	ug/Kg	91				55	128	
Diethylphthalate	1100		990	ug/Kg	90				70	112	
4-Chlorophenyl-phenylether	1100		990	ug/Kg	90				71	108	
Fluorene	1100		1000	ug/Kg	91				68	116	
4-Nitroaniline	1100		1100	ug/Kg	100				55	120	
4,6-Dinitro-2-methylphenol	1100		830	ug/Kg	75				32	145	
N-Nitrosodiphenylamine	1100		1000	ug/Kg	91				73	118	
Azobenzene	1100		1000	ug/Kg	91				73	110	
4-Bromophenyl-phenylether	1100		1000	ug/Kg	91				65	121	
Hexachlorobenzene	1100		970	ug/Kg	88				67	118	
Atrazine	1100		1100	ug/Kg	100				79	127	
Pentachlorophenol	2200		1900	ug/Kg	86				47	128	
Phenanthrene	1100		1000	ug/Kg	91				72	113	
Anthracene	1100		1000	ug/Kg	91				62	124	
Carbazole	1100		1000	ug/Kg	91				59	119	
Di-n-butylphthalate	1100		1000	ug/Kg	91				69	118	
Fluoranthene	1100		930	ug/Kg	85				59	125	
Benzidine	2200		1100	ug/Kg	50				10	119	
Pyrene	1100		970	ug/Kg	88				52	128	
Butylbenzylphthalate	1100		1100	ug/Kg	100				64	126	
3,3-Dichlorobenzidine	1100		580	ug/Kg	53				10	164	
Benzo(a)anthracene	1100		1000	ug/Kg	91				71	114	
Chrysene	1100		990	ug/Kg	90				57	121	
bis(2-Ethylhexyl)phthalate	1100		1100	ug/Kg	100				66	127	
Di-n-octyl phthalate	1100		1100	ug/Kg	100				71	126	
Benzo(b)fluoranthene	1100		990	ug/Kg	90				67	121	
Benzo(k)fluoranthene	1100		990	ug/Kg	90				74	114	
Benzo(a)pyrene	1100		1000	ug/Kg	91				70	142	
Indeno(1,2,3-cd)pyrene	1100		1000	ug/Kg	91				61	125	
Dibenz(a,h)anthracene	1100		1000	ug/Kg	91				67	130	
Benzo(g,h,i)perylene	1100		890	ug/Kg	81				53	140	
1,2,4,5-Tetrachlorobenzene	1100		990	ug/Kg	90				69	124	
1,4-Dioxane	1100		790	ug/Kg	72				46	112	
2,3,4,6-Tetrachlorophenol	1100		1100	ug/Kg	100				56	133	
1-Methylnaphthalene	1100		910	ug/Kg	83				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG011824

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P1159-01MSD	Client Sample ID:	TP-011724MSD					DataFile:	BG060357.D		
n-Nitrosodimethylamine	1100		910	ug/Kg	83		2		66	124	20
Pyridine	1100		810	ug/Kg	74		4		45	119	20
Benzaldehyde	1100		1300	ug/Kg	118		8		26	163	20
Aniline	1100		740	ug/Kg	67		1		10	88	20
Phenol	1100		1200	ug/Kg	109		9		67	126	20
bis(2-Chloroethyl)ether	1100		990	ug/Kg	90		1		74	116	20
2-Chlorophenol	1100		1000	ug/Kg	91		9		61	138	20
1,2-Dichlorobenzene	1100		820	ug/Kg	75		10		61	105	20
1,3-Dichlorobenzene	1100		870	ug/Kg	79		7		62	101	20
1,4-Dichlorobenzene	1100		870	ug/Kg	79		8		63	104	20
Benzyl Alcohol	1100		1000	ug/Kg	91		9		47	126	20
2-Methylphenol	1100		920	ug/Kg	84		8		66	122	20
2,2-oxybis(1-Chloropropane)	1100		860	ug/Kg	78		4		52	115	20
Acetophenone	1100		930	ug/Kg	85		7		75	111	20
3+4-Methylphenols	1100		970	ug/Kg	88		3		53	132	20
N-Nitroso-di-n-propylamine	1100		870	ug/Kg	79		5		59	119	20
Hexachloroethane	1100		870	ug/Kg	79		7		65	117	20
Nitrobenzene	1100		890	ug/Kg	81		6		70	119	20
Isophorone	1100		850	ug/Kg	77		10		76	122	20
2-Nitrophenol	1100		1000	ug/Kg	91		9		54	145	20
2,4-Dimethylphenol	1100		1200	ug/Kg	109		0		83	144	20
bis(2-Chloroethoxy)methane	1100		890	ug/Kg	81		7		68	112	20
2,4-Dichlorophenol	1100		1000	ug/Kg	91		9		72	118	20
1,2,4-Trichlorobenzene	1100		880	ug/Kg	80		7		57	103	20
Benzoic acid	1100		860	ug/Kg	78		7		50	104	20
Naphthalene	1100		880	ug/Kg	80		7		72	110	20
4-Chloroaniline	1100		360	ug/Kg	33		17		10	100	20
Hexachlorobutadiene	1100		830	ug/Kg	75		13		66	114	20
Caprolactam	1100		970	ug/Kg	88		3		51	134	20
4-Chloro-3-methylphenol	1100		1000	ug/Kg	91		9		57	132	20
2-Methylnaphthalene	1100		890	ug/Kg	81		6		59	123	20
Hexachlorocyclopentadiene	2200		2500	ug/Kg	114		11		10	175	20
2,4,6-Trichlorophenol	1100		950	ug/Kg	86		15		72	117	20
2,4,5-Trichlorophenol	1100		940	ug/Kg	85		7		72	117	20
1,1-Biphenyl	1100		890	ug/Kg	81		9		75	113	20
2-Chloronaphthalene	1100		870	ug/Kg	79		10		67	118	20
2-Nitroaniline	1100		1000	ug/Kg	91		9		69	127	20
Dimethylphthalate	1100		870	ug/Kg	79		11		70	113	20
Acenaphthylene	1100		980	ug/Kg	89		12		79	118	20
2,6-Dinitrotoluene	1100		930	ug/Kg	85		7		70	125	20
3-Nitroaniline	1100		620	ug/Kg	56		15		20	111	20
Acenaphthene	1100		900	ug/Kg	82		8		70	121	20
Total PAH	17600		14590	ug/Kg	83		8		70	121	20
2,4-Dinitrophenol	2200		1300	ug/Kg	59		0		16	160	20
4-Nitrophenol	2200		1900	ug/Kg	86		10		45	133	20
Dibenzofuran	1100		910	ug/Kg	83		9		72	110	20
2,4-Dinitrotoluene	1100		950	ug/Kg	86		6		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG011824

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	2200		1880	ug/Kg	85		7		55	128	20
Diethylphthalate	1100		880	ug/Kg	80		12		70	112	20
4-Chlorophenyl-phenylether	1100		890	ug/Kg	81		11		71	108	20
Fluorene	1100		890	ug/Kg	81		12		68	116	20
4-Nitroaniline	1100		960	ug/Kg	87		14		55	120	20
4,6-Dinitro-2-methylphenol	1100		800	ug/Kg	73		3		32	145	20
N-Nitrosodiphenylamine	1100		980	ug/Kg	89		2		73	118	20
Azobenzene	1100		910	ug/Kg	83		9		73	110	20
4-Bromophenyl-phenylether	1100		940	ug/Kg	85		7		65	121	20
Hexachlorobenzene	1100		900	ug/Kg	82		7		67	118	20
Atrazine	1100		990	ug/Kg	90		11		79	127	20
Pentachlorophenol	2200		1800	ug/Kg	82		5		47	128	20
Phenanthrene	1100		930	ug/Kg	85		7		72	113	20
Anthracene	1100		940	ug/Kg	85		7		62	124	20
Carbazole	1100		910	ug/Kg	83		9		59	119	20
Di-n-butylphthalate	1100		920	ug/Kg	84		8		69	118	20
Fluoranthene	1100		860	ug/Kg	78		9		59	125	20
Benzidine	2200		1100	ug/Kg	50		0		10	119	20
Pyrene	1100		910	ug/Kg	83		6		52	128	20
Butylbenzylphthalate	1100		1100	ug/Kg	100		0		64	126	20
3,3-Dichlorobenzidine	1100		530	ug/Kg	48		10		10	164	20
Benzo(a)anthracene	1100		940	ug/Kg	85		7		71	114	20
Chrysene	1100		920	ug/Kg	84		7		57	121	20
bis(2-Ethylhexyl)phthalate	1100		1000	ug/Kg	91		9		66	127	20
Di-n-octyl phthalate	1100		1000	ug/Kg	91		9		71	126	20
Benzo(b)fluoranthene	1100		890	ug/Kg	81		11		67	121	20
Benzo(k)fluoranthene	1100		910	ug/Kg	83		8		74	114	20
Benzo(a)pyrene	1100		950	ug/Kg	86		6		70	142	20
Indeno(1,2,3-cd)pyrene	1100		930	ug/Kg	85		7		61	125	20
Dibenz(a,h)anthracene	1100		940	ug/Kg	85		7		67	130	20
Benzo(g,h,i)perylene	1100		820	ug/Kg	75		8		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		900	ug/Kg	82		9		69	124	20
1,4-Dioxane	1100		810	ug/Kg	74		3		46	112	20
2,3,4,6-Tetrachlorophenol	1100		1000	ug/Kg	91		9		56	133	20
1-Methylnaphthalene	1100		840	ug/Kg	76		9		70	130	20



Surrogate Summary
SW-846

SDG No.: BG011824

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SP6400	SP6400	BG060354.D	2-Fluorophenol	150	0.00	0	*	10	139
			Phenol-d6	150	0.00	0	*	10	134
			Nitrobenzene-d5	100	0.00	0	*	49	133
			2-Fluorobiphenyl	100	0.00	0	*	52	132
			2,4,6-Tribromophenol	150	0.00	0	*	32	145
			Terphenyl-d14	100	0.00	0	*	36	145



Surrogate Summary
SW-846

SDG No.: BG011824

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB158446TB	PB158446TB	BG060353.D	2-Fluorophenol	150	137.84	92		10	139
			Phenol-d6	150	131.50	88		10	134
			Nitrobenzene-d5	100	81.69	82		49	133
			2-Fluorobiphenyl	100	81.06	81		52	132
			2,4,6-Tribromophenol	150	135.98	91		32	145
			Terphenyl-d14	100	78.88	79		36	145
PB158482BL	PB158482BL	BG060351.D	2-Fluorophenol	150	151.70	101		10	139
			Phenol-d6	150	145.73	97		10	134
			Nitrobenzene-d5	100	93.90	94		49	133
			2-Fluorobiphenyl	100	79.12	79		52	132
			2,4,6-Tribromophenol	150	140.15	93		32	145
			Terphenyl-d14	100	64.56	65		36	145
PB158482BS	PB158482BS	BG060352.D	2-Fluorophenol	150	138.63	92		10	139
			Phenol-d6	150	136.61	91		10	134
			Nitrobenzene-d5	100	80.89	81		49	133
			2-Fluorobiphenyl	100	71.97	72		52	132
			2,4,6-Tribromophenol	150	132.27	88		32	145
			Terphenyl-d14	100	79.08	79		36	145

Surrogate Summary

SW-846

SDG No.: BG011824

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1159-01	TP-011724	BG060355.D	2-Fluorophenol	150	105.00	70		18	112
			Phenol-d6	150	104.52	70		15	107
			Nitrobenzene-d5	100	67.51	68		18	107
			2-Fluorobiphenyl	100	66.51	67		20	109
			2,4,6-Tribromophenol	150	96.15	64		10	110
			Terphenyl-d14	100	72.29	72		14	112
P1159-01MS	TP-011724MS	BG060356.D	2-Fluorophenol	150	111.41	74		18	112
			Phenol-d6	150	109.39	73		15	107
			Nitrobenzene-d5	100	69.13	69		18	107
			2-Fluorobiphenyl	100	68.09	68		20	109
			2,4,6-Tribromophenol	150	106.24	71		10	110
			Terphenyl-d14	100	73.84	74		14	112
P1159-01MSD	TP-011724MSD	BG060357.D	2-Fluorophenol	150	115.23	77		18	112
			Phenol-d6	150	112.89	75		15	107
			Nitrobenzene-d5	100	64.02	64		18	107
			2-Fluorobiphenyl	100	61.08	61		20	109
			2,4,6-Tribromophenol	150	96.09	64		10	110
			Terphenyl-d14	100	66.63	67		14	112
P1161-01	SU-02-011724	BG060358.D	2-Fluorophenol	150	80.83	54		18	112
			Phenol-d6	150	79.52	53		15	107
			Nitrobenzene-d5	100	45.74	46		18	107
			2-Fluorobiphenyl	100	45.21	45		20	109
			2,4,6-Tribromophenol	150	62.53	42		10	110
			Terphenyl-d14	100	45.16	45		14	112
P1169-01	WC-A-COMP	BG060361.D	2-Fluorophenol	150	69.47	46		18	112
			Phenol-d6	150	70.86	47		15	107
			Nitrobenzene-d5	100	49.89	50		18	107
			2-Fluorobiphenyl	100	49.02	49		20	109
			2,4,6-Tribromophenol	150	74.01	49		10	110
			Terphenyl-d14	100	52.39	52		14	112
P1169-04	WC-B-COMP	BG060359.D	2-Fluorophenol	150	77.55	52		18	112
			Phenol-d6	150	79.87	53		15	107
			Nitrobenzene-d5	100	57.06	57		18	107
			2-Fluorobiphenyl	100	54.94	55		20	109
			2,4,6-Tribromophenol	150	83.73	56		10	110
			Terphenyl-d14	100	59.96	60		14	112
P1169-07	WC-C-COMP	BG060360.D	2-Fluorophenol	150	74.32	50		18	112
			Phenol-d6	150	85.78	57		15	107
			Nitrobenzene-d5	100	61.32	61		18	107
			2-Fluorobiphenyl	100	60.91	61		20	109
			2,4,6-Tribromophenol	150	92.99	62		10	110
			Terphenyl-d14	100	67.64	68		14	112



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BG011824Lab Code: CHEMSAS No.: BG011824 SDG NO.: BG011824Lab File ID: BG060349.DDFTPP Injection Date: 01/18/2024Instrument ID: BNA_GDFTPP Injection Time: 12:42

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.3
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	33
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	33.6
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
275	10.0 - 60.0% of mass 198	27
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	11.9
442	Greater than 50% of mass 198	69.6
443	15.0 - 24.0% of mass 442	13.8 (19.8) 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	BG060350.D	01/18/2024	13:22
PB158482BL	PB158482BL	BG060351.D	01/18/2024	14:03
PB158482BS	PB158482BS	BG060352.D	01/18/2024	14:43
PB158446TB	PB158446TB	BG060353.D	01/18/2024	15:24
SP6400	SP6400	BG060354.D	01/18/2024	16:04
TP-011724	P1159-01	BG060355.D	01/18/2024	16:50
TP-011724MS	P1159-01MS	BG060356.D	01/18/2024	17:31
TP-011724MSD	P1159-01MSD	BG060357.D	01/18/2024	18:11
SU-02-011724	P1161-01	BG060358.D	01/18/2024	18:52
WC-B-COMP	P1169-04	BG060359.D	01/18/2024	19:32
WC-C-COMP	P1169-07	BG060360.D	01/18/2024	20:13
WC-A-COMP	P1169-01	BG060361.D	01/18/2024	20:53