

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG042424 SAS No.: BG042424 SDG No.: BG042424

Instrument ID: BNA_G Calibration Date/Time: 4/24/2024 1:10:17

Lab File ID: BG061019.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	0.951	1.054		10.831	
Pyridine	1.058	1.147		8.412	
2-Fluorophenol	0.989	1.017		2.831	
Benzaldehyde	0.755	0.748		-0.927	
Aniline	1.763	1.707		-3.176	
Phenol-d6	1.467	1.479		0.818	
Phenol	1.458	1.422		-2.469	20.0
bis(2-Chloroethyl) ether	1.043	1.030		-1.246	
2-Chlorophenol	1.232	1.199		-2.679	
1,2-Dichlorobenzene	1.375	1.343		-2.327	
1,3-Dichlorobenzene	1.366	1.342		-1.757	
1,4-Dichlorobenzene	1.407	1.349		-4.122	20.0
Benzyl Alcohol	1.385	1.342		-3.105	
2-Methylphenol	1.177	1.119		-4.928	
2,2-oxybis(1-Chloropropane)	2.270	2.131		-6.123	
Acetophenone	0.558	0.491		-12.007	
3+4-Methylphenols	1.646	1.582		-3.888	
n-Nitroso-di-n-propylamine	1.093	1.030	0.050	-5.764	
Nitrobenzene-d5	0.445	0.400		-10.112	
Hexachloroethane	0.507	0.477		-5.917	
Nitrobenzene	0.428	0.384		-10.28	
Isophorone	0.745	0.694		-6.846	
2-Nitrophenol	0.201	0.190		-5.473	20.0
2,4-Dimethylphenol	0.322	0.296		-8.075	
bis(2-Chloroethoxy) methane	0.392	0.364		-7.143	
2,4-Dichlorophenol	0.372	0.355		-4.57	20.0
1,2,4-Trichlorobenzene	0.410	0.402		-1.951	
Benzoic acid	0.246	0.243		-1.22	
Naphthalene	1.095	1.032		-5.753	
4-Chloroaniline	0.497	0.463		-6.841	
Hexachlorobutadiene	0.361	0.358		-0.831	20.0
Caprolactam	0.118	0.107		-9.322	
4-Chloro-3-methylphenol	0.434	0.405		-6.682	20.0
2-Methylnaphthalene	0.861	0.791		-8.13	
Hexachlorocyclopentadiene	0.418	0.422	0.050	0.957	
2,4,6-Trichlorophenol	0.467	0.459		-1.713	20.0
2-Fluorobiphenyl	1.445	1.474		2.007	
2,4,5-Trichlorophenol	0.553	0.556		0.542	
1,1-Biphenyl	1.347	1.337		-0.742	

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Lab File ID: BG061019.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
2-Chloronaphthalene	1.033	1.027		-0.581	
2-Nitroaniline	0.417	0.388		-6.954	
Dimethylphthalate	1.649	1.549		-6.064	
Acenaphthylene	1.740	1.689		-2.931	
2,6-Dinitrotoluene	0.344	0.314		-8.721	
3-Nitroaniline	0.339	0.306		-9.735	
Acenaphthene	1.057	1.033		-2.271	20.0
2,4-Dinitrophenol	0.191	0.180	0.050	-5.759	
4-Nitrophenol	0.243	0.226	0.050	-6.996	
Dibenzofuran	1.825	1.751		-4.055	
2,4-Dinitrotoluene	0.496	0.469		-5.444	
Diethylphthalate	1.624	1.497		-7.82	
4-Chlorophenyl-phenylether	0.950	0.878		-7.579	
Fluorene	1.541	1.459		-5.321	
4-Nitroaniline	0.366	0.333		-9.016	
4,6-Dinitro-2-methylphenol	0.123	0.116		-5.691	
n-Nitrosodiphenylamine	0.551	0.542		-1.633	20.0
Azobenzene	1.321	1.191		-9.841	
2,4,6-Tribromophenol	0.439	0.418		-4.784	
4-Bromophenyl-phenylether	0.264	0.256		-3.03	
Hexachlorobenzene	0.292	0.292		0.0	
Atrazine	0.206	0.201		-2.427	
Pentachlorophenol	0.191	0.185		-3.141	20.0
Phenanthrene	1.021	0.969		-5.093	
Anthracene	1.051	0.996		-5.233	
Carbazole	0.873	0.815		-6.644	
Di-n-butylphthalate	1.060	0.974		-8.113	
Fluoranthene	1.355	1.263		-6.79	20.0
Benzidine	0.371	0.437		17.79	
Pyrene	1.362	1.306		-4.112	
Terphenyl-d14	1.288	1.236		-4.037	
Butylbenzylphthalate	0.454	0.425		-6.388	
3,3-Dichlorobenzidine	0.508	0.483		-4.921	
Benzo(a)anthracene	1.406	1.339		-4.765	
Chrysene	1.339	1.265		-5.527	
Bis(2-ethylhexyl)phthalate	0.660	0.600		-9.091	
Di-n-octyl phthalate	1.096	1.018		-7.117	20.0
Benzo(b)fluoranthene	1.133	1.080		-4.678	
Benzo(k)fluoranthene	1.144	1.108		-3.147	

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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG042424 SAS No.: BG042424 SDG No.: BG042424

Instrument ID: BNA_G Calibration Date/Time: 4/24/2024 1:10:17

Lab File ID: BG061019.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
Benzo(a)pyrene	1.097	1.062		-3.191	20.0
Indeno(1,2,3-cd)pyrene	1.387	1.337		-3.605	
Dibenzo(a,h)anthracene	1.134	1.111		-2.028	
Benzo(g,h,i)perylene	1.124	1.088		-3.203	
1,2,4,5-Tetrachlorobenzene	0.711	0.731		2.813	
1,4-Dioxane	0.342	0.369		7.895	20.0
2,3,4,6-Tetrachlorophenol	0.558	0.528		-5.376	
1-Methylnaphthalene	0.803	0.753		-6.227	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	PB160402TB	SDG No.:	BG042424
Lab Sample ID:	PB160402TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061020.D	1	4/22/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160424

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

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	PB160402TB	SDG No.:	BG042424
Lab Sample ID:	PB160402TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061020.D	1	4/22/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160424

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

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	PB160402TB	SDG No.:	BG042424
Lab Sample ID:	PB160402TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061020.D	1	4/22/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	148.699		10-139		99	SPK: -150
13127-88-3	Phenol-d6	134.647		10-134		90	SPK: -150
4165-60-0	Nitrobenzene-d5	75.204		49-133		75	SPK: -100
321-60-8	2-Fluorobiphenyl	84.226		52-132		84	SPK: -100

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	PB160402TB	SDG No.:	BG042424
Lab Sample ID:	PB160402TB	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
BG061020.D	1	4/22/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	133.729		32-145		89	SPK: -150
1718-51-0	Terphenyl-d14	86.262		36-145		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	18600	7.941				
1146-65-2	Naphthalene-d8	75659	10.738				
15067-26-2	Acenaphthene-d10	65583	14.569				
1517-22-2	Phenanthrene-d10	186517	17.318				
1719-03-5	Chrysene-d12	196286	21.578				
1520-96-3	Perylene-d12	225418	24.704				

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	PB160449BL	SDG No.:	BG042424
Lab Sample ID:	PB160449BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061021.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

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



Client:				Date Collected:	4/23/2024 12:00:00 AM	
Project:				Date Received:	4/23/2024 12:00:00 AM	
Client Sample ID:	PB160449BL			SDG No.:	BG042424	
Lab Sample ID:	PB160449BL			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061021.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

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

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	PB160449BL	SDG No.:	BG042424
Lab Sample ID:	PB160449BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061021.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.6	U	74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	150.671		18-112		100	SPK: -150
13127-88-3	Phenol-d6	135.787		15-107		91	SPK: -150
4165-60-0	Nitrobenzene-d5	81.174		18-107		81	SPK: -100
321-60-8	2-Fluorobiphenyl	85.608		20-109		86	SPK: -100

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	PB160449BL	SDG No.:	BG042424
Lab Sample ID:	PB160449BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061021.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	141.305		10-110		94	SPK: -150
1718-51-0	Terphenyl-d14	87.15		14-112		87	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	20519	7.94				
1146-65-2	Naphthalene-d8	77469	10.737				
15067-26-2	Acenaphthene-d10	69450	14.574				
1517-22-2	Phenanthrene-d10	194310	17.318				
1719-03-5	Chrysene-d12	205751	21.577				
1520-96-3	Perylene-d12	235963	24.709				



Client:			Date Collected:	4/23/2024 12:00:00 AM	
Project:			Date Received:	4/23/2024 12:00:00 AM	
Client Sample ID:	PB160449BS		SDG No.:	BG042424	
Lab Sample ID:	PB160449BS		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	0	
Sample Wt/Vol:	30.02	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:	uL		Test:		
Extraction Type :	Decanted :		Level :	LOW	
Injection Volume :	GPC Factor :		GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061022.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1700		86.7	270	330	ug/Kg
110-86-1	Pyridine	1400		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	830		96.8	130	170	ug/Kg
108-95-2	Phenol	1800		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1800		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1700		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1700		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1700		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1600		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1600		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.7	130	170	ug/Kg
78-59-1	Isophorone	1400		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1600		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	460		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	PB160449BS	SDG No.:	BG042424
Lab Sample ID:	PB160449BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061022.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1600		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3600	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1500		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1600		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1700		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	770		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1500		81	130	170	ug/Kg
Total PAH	Total PAH	25600		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3300	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3500	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3200		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1600		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.5	130	170	ug/Kg
86-73-7	Fluorene	1600		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1500		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1500		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1700		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1800		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	PB160449BS	SDG No.:	BG042424
Lab Sample ID:	PB160449BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061022.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3300	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1600		83.9	130	170	ug/Kg
120-12-7	Anthracene	1600		84.3	130	170	ug/Kg
86-74-8	Carbazole	1600		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1600		81.6	130	170	ug/Kg
92-87-5	Benzidine	1400		160	270	330	ug/Kg
129-00-0	Pyrene	1600		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1500		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	130	170	ug/Kg
218-01-9	Chrysene	1600		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1500		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	163.068		18-112		109	SPK: -150
13127-88-3	Phenol-d6	146.018		15-107		97	SPK: -150
4165-60-0	Nitrobenzene-d5	79.764		18-107		80	SPK: -100
321-60-8	2-Fluorobiphenyl	87.445		20-109		87	SPK: -100

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	PB160449BS	SDG No.:	BG042424
Lab Sample ID:	PB160449BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061022.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	141.358		10-110		94	SPK: -150
1718-51-0	Terphenyl-d14	89.085		14-112		89	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	20657	7.941				
1146-65-2	Naphthalene-d8	86807	10.738				
15067-26-2	Acenaphthene-d10	74169	14.575				
1517-22-2	Phenanthrene-d10	200893	17.319				
1719-03-5	Chrysene-d12	200769	21.584				
1520-96-3	Perylene-d12	244014	24.704				

Report of Analysis

Client:		Date Collected:	4/19/2024 12:00:00 AM
Project:		Date Received:	4/19/2024 12:00:00 AM
Client Sample ID:	STOCK-PILE	SDG No.:	BG042424
Lab Sample ID:	P2199-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.5
Sample Wt/Vol:	30.06	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
BG061023.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	94.7	U	94.7	290	360	ug/Kg
110-86-1	Pyridine	87.1	U	87.1	140	190	ug/Kg
100-52-7	Benzaldehyde	200	U	200	290	360	ug/Kg
62-53-3	Aniline	110	U	110	140	190	ug/Kg
108-95-2	Phenol	90.4	U	90.4	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	91.3	U	91.3	140	190	ug/Kg
95-57-8	2-Chlorophenol	91.1	U	91.1	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	92.3	U	92.3	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	93.8	U	93.8	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	94.3	U	94.3	140	190	ug/Kg
100-51-6	Benzyl Alcohol	90.5	U	90.5	290	360	ug/Kg
95-48-7	2-Methylphenol	87.9	U	87.9	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	99.1	U	99.1	140	190	ug/Kg
98-86-2	Acetophenone	94.8	U	94.8	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	87	U	87	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	44	U	44	87.3	87.3	ug/Kg
67-72-1	Hexachloroethane	90.5	U	90.5	140	190	ug/Kg
98-95-3	Nitrobenzene	99	U	99	140	190	ug/Kg
78-59-1	Isophorone	92.3	U	92.3	140	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	93.6	U	93.6	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	82.3	U	82.3	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	93.1	U	93.1	140	190	ug/Kg
65-85-0	Benzoic acid	260	U	260	290	360	ug/Kg
91-20-3	Naphthalene	90.1	U	90.1	140	190	ug/Kg
106-47-8	4-Chloroaniline	90.1	U	90.1	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	90.9	U	90.9	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	4/19/2024 12:00:00 AM
Project:		Date Received:	4/19/2024 12:00:00 AM
Client Sample ID:	STOCK-PILE	SDG No.:	BG042424
Lab Sample ID:	P2199-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061023.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	94.7	U	94.7	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	84.5	U	84.5	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	90	U	90	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	290	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.9	U	77.9	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	80.7	U	80.7	140	190	ug/Kg
92-52-4	1,1-Biphenyl	95.3	U	95.3	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	90.9	U	90.9	140	190	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	190	ug/Kg
131-11-3	Dimethylphthalate	89.1	U	89.1	140	190	ug/Kg
208-96-8	Acenaphthylene	94.3	U	94.3	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	90.7	U	90.7	140	190	ug/Kg
99-09-2	3-Nitroaniline	97.3	U	97.3	140	190	ug/Kg
83-32-9	Acenaphthene	88.5	U	88.5	140	190	ug/Kg
Total PAH	Total PAH	7280	U	1444	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	290	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	290	360	ug/Kg
132-64-9	Dibenzofuran	92.1	U	92.1	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	84.7	U	184.7	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	94	U	94	140	190	ug/Kg
84-66-2	Diethylphthalate	87.4	U	87.4	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	93.4	U	93.4	140	190	ug/Kg
86-73-7	Fluorene	93.3	U	93.3	140	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	89	U	89	140	190	ug/Kg
103-33-3	Azobenzene	86.8	U	86.8	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	86.1	U	86.1	140	190	ug/Kg
118-74-1	Hexachlorobenzene	92.7	U	92.7	140	190	ug/Kg
1912-24-9	Atrazine	99.7	U	99.7	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	4/19/2024 12:00:00 AM
Project:		Date Received:	4/19/2024 12:00:00 AM
Client Sample ID:	STOCK-PILE	SDG No.:	BG042424
Lab Sample ID:	P2199-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061023.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	84.3	U	84.3	290	360	ug/Kg
85-01-8	Phenanthrene	870		91.6	140	190	ug/Kg
120-12-7	Anthracene	100	J	92.1	140	190	ug/Kg
86-74-8	Carbazole	87.6	U	87.6	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	91.9	U	91.9	140	190	ug/Kg
206-44-0	Fluoranthene	1500		89.1	140	190	ug/Kg
92-87-5	Benzidine	180	U	180	290	360	ug/Kg
129-00-0	Pyrene	1200		90.5	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	610		88	140	190	ug/Kg
218-01-9	Chrysene	670		86.7	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	99.3	U	99.3	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	800		88.5	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	290		90.1	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	600		100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	300		85.2	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	88.6	U	88.6	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	340		87.4	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	94.7	U	94.7	140	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	81.5	U	81.5	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	90.7	U	90.7	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	120.652		18-112		80	SPK: -150
13127-88-3	Phenol-d6	106.498		15-107		71	SPK: -150
4165-60-0	Nitrobenzene-d5	65.358		18-107		65	SPK: -100
321-60-8	2-Fluorobiphenyl	72.894		20-109		73	SPK: -100

Report of Analysis

Client:		Date Collected:	4/19/2024 12:00:00 AM
Project:		Date Received:	4/19/2024 12:00:00 AM
Client Sample ID:	STOCK-PILE	SDG No.:	BG042424
Lab Sample ID:	P2199-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.5
Sample Wt/Vol:	30.06	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
BG061023.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	104.59		10-110		70	SPK: -150
1718-51-0	Terphenyl-d14	67.757		14-112		68	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	28176	7.944				
1146-65-2	Naphthalene-d8	109053	10.735				
15067-26-2	Acenaphthene-d10	86809	14.572				
1517-22-2	Phenanthrene-d10	209457	17.322				
1719-03-5	Chrysene-d12	222826	21.581				
1520-96-3	Perylene-d12	279660	24.707				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	200	J			3.168	
000827-54-3	Naphthalene, 2-ethenyl-	79.3	J			14.631	
000610-48-0	Anthracene, 1-methyl-	120	J			18.197	
000057-10-3	n-Hexadecanoic acid	190	J			18.221	
000203-64-5	4H-Cyclopenta[def]phenanthrene	250	J			18.391	
000949-41-7	1H-Cyclopropa[1]phenanthrene,1a,9b	98.2	J			18.426	
000612-94-2	Naphthalene, 2-phenyl-	100	J			18.697	
000084-65-1	9,10-Anthracenedione	190	J			18.732	
000781-43-1	9,10-Dimethylanthracene	130	J			19.114	
005737-13-3	Cyclopenta(def)phenanthrenone	95.3	J			19.249	
002381-21-7	Pyrene, 1-methyl-	75.3	J			20.06	
000243-17-4	11H-Benzo[b]fluorene	89.4	J			20.23	
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	77.4	J			21.164	
	unknown21.252	130	J			21.252	
000479-79-8	11H-Benzo[a]fluorene-11-one	80.3	J			21.311	
000192-97-2	Benzo[e]pyrene	100	J			23.967	
000198-55-0	Perylene	490	J			24.419	
012260-67-2	(1-Cyclopentenyl)ferrocene	130	J			24.778	

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	TR-06-042224	SDG No.:	BG042424
Lab Sample ID:	P2225-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.4
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
BG061024.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	54.4	U	54.4	170	210	ug/Kg
110-86-1	Pyridine	50.1	U	50.1	81.5	110	ug/Kg
100-52-7	Benzaldehyde	110	U	110	170	210	ug/Kg
62-53-3	Aniline	60.8	U	60.8	81.5	110	ug/Kg
108-95-2	Phenol	52	U	52	81.5	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	52.5	U	52.5	81.5	110	ug/Kg
95-57-8	2-Chlorophenol	52.4	U	52.4	81.5	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	53.1	U	53.1	81.5	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	53.9	U	53.9	81.5	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	54.3	U	54.3	81.5	110	ug/Kg
100-51-6	Benzyl Alcohol	52.1	U	52.1	170	210	ug/Kg
95-48-7	2-Methylphenol	50.6	U	50.6	81.5	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	57	U	57	81.5	110	ug/Kg
98-86-2	Acetophenone	54.5	U	54.5	81.5	110	ug/Kg
65794-96-9	3+4-Methylphenols	50.1	U	50.1	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	25.3	U	25.3	50.2	50.2	ug/Kg
67-72-1	Hexachloroethane	52.1	U	52.1	81.5	110	ug/Kg
98-95-3	Nitrobenzene	57	U	57	81.5	110	ug/Kg
78-59-1	Isophorone	53.1	U	53.1	81.5	110	ug/Kg
88-75-5	2-Nitrophenol	59.3	U	59.3	81.5	110	ug/Kg
105-67-9	2,4-Dimethylphenol	58.5	U	58.5	81.5	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	53.8	U	53.8	81.5	110	ug/Kg
120-83-2	2,4-Dichlorophenol	47.4	U	47.4	81.5	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	53.6	U	53.6	81.5	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	51.8	U	51.8	81.5	110	ug/Kg
106-47-8	4-Chloroaniline	51.8	U	51.8	81.5	110	ug/Kg
87-68-3	Hexachlorobutadiene	52.2	U	52.2	81.5	110	ug/Kg



Client:				Date Collected:	4/22/2024 12:00:00 AM	
Project:				Date Received:	4/22/2024 12:00:00 AM	
Client Sample ID:	TR-06-042224			SDG No.:	BG042424	
Lab Sample ID:	P2225-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	4.4	
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
BG061024.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	54.4	U	54.4	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	48.6	U	48.6	81.5	110	ug/Kg
91-57-6	2-Methylnaphthalene	51.7	U	51.7	81.5	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	97.8	U	97.8	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	44.8	U	44.8	81.5	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	46.4	U	46.4	81.5	110	ug/Kg
92-52-4	1,1-Biphenyl	54.8	U	54.8	81.5	110	ug/Kg
91-58-7	2-Chloronaphthalene	52.2	U	52.2	81.5	110	ug/Kg
88-74-4	2-Nitroaniline	59.6	U	59.6	81.5	110	ug/Kg
131-11-3	Dimethylphthalate	51.2	U	51.2	81.5	110	ug/Kg
208-96-8	Acenaphthylene	54.3	U	54.3	81.5	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	52.2	U	52.2	81.5	110	ug/Kg
99-09-2	3-Nitroaniline	55.9	U	55.9	81.5	110	ug/Kg
83-32-9	Acenaphthene	50.9	U	50.9	81.5	110	ug/Kg
Total PAH	Total PAH	831.1	U	831.1	81.5	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	170	210	ug/Kg
100-02-7	4-Nitrophenol	72.8	U	72.8	170	210	ug/Kg
132-64-9	Dibenzofuran	52.9	U	52.9	81.5	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	106.3	U	106.3	81.5	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.1	U	54.1	81.5	110	ug/Kg
84-66-2	Diethylphthalate	50.2	U	50.2	81.5	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	53.7	U	53.7	81.5	110	ug/Kg
86-73-7	Fluorene	53.6	U	53.6	81.5	110	ug/Kg
100-01-6	4-Nitroaniline	67.1	U	67.1	81.5	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	73.4	U	73.4	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	51.2	U	51.2	81.5	110	ug/Kg
103-33-3	Azobenzene	49.9	U	49.9	81.5	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	49.5	U	49.5	81.5	110	ug/Kg
118-74-1	Hexachlorobenzene	53.3	U	53.3	81.5	110	ug/Kg
1912-24-9	Atrazine	57.3	U	57.3	81.5	110	ug/Kg

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	TR-06-042224	SDG No.:	BG042424
Lab Sample ID:	P2225-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.4
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
BG061024.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	48.5	U	48.5	170	210	ug/Kg
85-01-8	Phenanthrene	52.7	U	52.7	81.5	110	ug/Kg
120-12-7	Anthracene	52.9	U	52.9	81.5	110	ug/Kg
86-74-8	Carbazole	50.4	U	50.4	81.5	110	ug/Kg
84-74-2	Di-n-butylphthalate	52.9	U	52.9	81.5	110	ug/Kg
206-44-0	Fluoranthene	56.8	J	51.2	81.5	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	58.9	J	52.1	81.5	110	ug/Kg
85-68-7	Butylbenzylphthalate	60.7	U	60.7	81.5	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	61.8	U	61.8	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	50.6	U	50.6	81.5	110	ug/Kg
218-01-9	Chrysene	49.9	U	49.9	81.5	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	57.1	U	57.1	81.5	110	ug/Kg
117-84-0	Di-n-octyl phthalate	69	U	69	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	50.9	U	50.9	81.5	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	51.8	U	51.8	81.5	110	ug/Kg
50-32-8	Benzo(a)pyrene	58.3	U	58.3	81.5	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	49	U	49	81.5	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	50.9	U	50.9	81.5	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	50.2	U	50.2	81.5	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	54.4	U	54.4	81.5	110	ug/Kg
123-91-1	1,4-Dioxane	69	U	69	81.5	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46.9	U	46.9	81.5	110	ug/Kg
90-12-0	1-Methylnaphthalene	52.2	U	52.2	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	76.123		18-112		51	SPK: -150
13127-88-3	Phenol-d6	66.806		15-107		45	SPK: -150
4165-60-0	Nitrobenzene-d5	44.942		18-107		45	SPK: -100
321-60-8	2-Fluorobiphenyl	50.637		20-109		51	SPK: -100

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	TR-06-042224	SDG No.:	BG042424
Lab Sample ID:	P2225-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.4
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
BG061024.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	63.796		10-110		43	SPK: -150
1718-51-0	Terphenyl-d14	45.766		14-112		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	31889	7.947				
1146-65-2	Naphthalene-d8	114490	10.738				
15067-26-2	Acenaphthene-d10	84200	14.574				
1517-22-2	Phenanthrene-d10	186549	17.318				
1719-03-5	Chrysene-d12	195202	21.578				
1520-96-3	Perylene-d12	233903	24.71				
TENTATIVE IDENTIFIED COMPOUNDS							
001680-51-9	Naphthalene, 1,2,3,4-tetrahydro-6-	100	J			11.93	
000629-50-5	Tridecane	190	J			12.166	
013065-07-1	Naphthalene, 1,2,3,4-tetrahydro-2,	99.9	J			12.647	
	unknown13.123	98.1	J			13.123	
000124-18-5	Decane	270	J			13.405	
073105-67-6	1-Iodo-2-methylundecane	110	J			14.063	
000629-62-9	Pentadecane	410	J			14.48	
001560-97-0	Dodecane, 2-methyl-	130	J			15.097	
000544-76-3	Hexadecane	490	J			15.432	
015869-86-0	Octane, 4-ethyl-	230	J			15.838	
1000309-18-4	Sulfurous acid, butyl heptadecyl e	92	J			15.99	
001560-96-9	Tridecane, 2-methyl-	660	J			16.296	
000629-92-5	Nonadecane	550	J			17.089	
018435-22-8	Tetradecane, 3-methyl-	260	J			17.142	
001560-86-7	Nonadecane, 2-methyl-	490	J			17.829	
000057-10-3	n-Hexadecanoic acid	220	J			18.223	
001560-92-5	Hexadecane, 2-methyl-	430	J			18.523	
007225-66-3	Tridecane, 7-hexyl-	550	J			19.151	
000593-45-3	Octadecane	130	J			20.262	

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	TR-06-042224	SDG No.:	BG042424
Lab Sample ID:	P2225-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.4
Sample Wt/Vol:	50.03	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
BG061024.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000646-31-1	Tetracosane	97.6	J			21.261	

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	EXCAVATION-SOIL	SDG No.:	BG042424
Lab Sample ID:	P2228-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.3
Sample Wt/Vol:	50.09	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
BG061025.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	58.6	U	58.6	180	220	ug/Kg
110-86-1	Pyridine	54	U	54	87.8	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	65.4	U	65.4	87.8	110	ug/Kg
108-95-2	Phenol	56	U	56	87.8	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	56.5	U	56.5	87.8	110	ug/Kg
95-57-8	2-Chlorophenol	56.4	U	56.4	87.8	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	57.1	U	57.1	87.8	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	58.1	U	58.1	87.8	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	58.4	U	58.4	87.8	110	ug/Kg
100-51-6	Benzyl Alcohol	56	U	56	180	220	ug/Kg
95-48-7	2-Methylphenol	54.4	U	54.4	87.8	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	61.4	U	61.4	87.8	110	ug/Kg
98-86-2	Acetophenone	58.7	U	58.7	87.8	110	ug/Kg
65794-96-9	3+4-Methylphenols	53.9	U	53.9	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27.2	U	27.2	54	54	ug/Kg
67-72-1	Hexachloroethane	56	U	56	87.8	110	ug/Kg
98-95-3	Nitrobenzene	61.3	U	61.3	87.8	110	ug/Kg
78-59-1	Isophorone	57.1	U	57.1	87.8	110	ug/Kg
88-75-5	2-Nitrophenol	63.8	U	63.8	87.8	110	ug/Kg
105-67-9	2,4-Dimethylphenol	62.9	U	62.9	87.8	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	57.9	U	57.9	87.8	110	ug/Kg
120-83-2	2,4-Dichlorophenol	51	U	51	87.8	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	57.7	U	57.7	87.8	110	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	55.8	U	55.8	87.8	110	ug/Kg
106-47-8	4-Chloroaniline	55.8	U	55.8	87.8	110	ug/Kg
87-68-3	Hexachlorobutadiene	56.2	U	56.2	87.8	110	ug/Kg



Client:				Date Collected:	4/22/2024 12:00:00 AM	
Project:				Date Received:	4/22/2024 12:00:00 AM	
Client Sample ID:	EXCAVATION-SOIL			SDG No.:	BG042424	
Lab Sample ID:	P2228-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	11.3	
Sample Wt/Vol:	50.09	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
BG061025.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	58.6	U	58.6	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.3	U	52.3	87.8	110	ug/Kg
91-57-6	2-Methylnaphthalene	55.7	U	55.7	87.8	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48.2	U	48.2	87.8	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	50	U	50	87.8	110	ug/Kg
92-52-4	1,1-Biphenyl	59	U	59	87.8	110	ug/Kg
91-58-7	2-Chloronaphthalene	56.2	U	56.2	87.8	110	ug/Kg
88-74-4	2-Nitroaniline	64.1	U	64.1	87.8	110	ug/Kg
131-11-3	Dimethylphthalate	55.2	U	55.2	87.8	110	ug/Kg
208-96-8	Acenaphthylene	58.4	U	58.4	87.8	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	56.2	U	56.2	87.8	110	ug/Kg
99-09-2	3-Nitroaniline	60.2	U	60.2	87.8	110	ug/Kg
83-32-9	Acenaphthene	70.8	J	54.8	87.8	110	ug/Kg
Total PAH	Total PAH	7200.8		894.8	87.8	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	78.3	U	78.3	180	220	ug/Kg
132-64-9	Dibenzofuran	57	U	57	87.8	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	114.4	U	114.4	87.8	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.2	U	58.2	87.8	110	ug/Kg
84-66-2	Diethylphthalate	54.1	U	54.1	87.8	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	57.8	U	57.8	87.8	110	ug/Kg
86-73-7	Fluorene	110		57.7	87.8	110	ug/Kg
100-01-6	4-Nitroaniline	72.2	U	72.2	87.8	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	79	U	79	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.1	U	55.1	87.8	110	ug/Kg
103-33-3	Azobenzene	53.7	U	53.7	87.8	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53.3	U	53.3	87.8	110	ug/Kg
118-74-1	Hexachlorobenzene	57.4	U	57.4	87.8	110	ug/Kg
1912-24-9	Atrazine	61.7	U	61.7	87.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	EXCAVATION-SOIL	SDG No.:	BG042424
Lab Sample ID:	P2228-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.3
Sample Wt/Vol:	50.09 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
BG061025.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	52.2	U	52.2	180	220	ug/Kg
85-01-8	Phenanthrene	1000		56.7	87.8	110	ug/Kg
120-12-7	Anthracene	360		57	87.8	110	ug/Kg
86-74-8	Carbazole	170		54.2	87.8	110	ug/Kg
84-74-2	Di-n-butylphthalate	56.9	U	56.9	87.8	110	ug/Kg
206-44-0	Fluoranthene	1500		55.2	87.8	110	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	1200		56	87.8	110	ug/Kg
85-68-7	Butylbenzylphthalate	65.4	U	65.4	87.8	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	66.6	U	66.6	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	690		54.5	87.8	110	ug/Kg
218-01-9	Chrysene	650		53.7	87.8	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	61.4	U	61.4	87.8	110	ug/Kg
117-84-0	Di-n-octyl phthalate	74.3	U	74.3	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	590		54.8	87.8	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	280		55.8	87.8	110	ug/Kg
50-32-8	Benzo(a)pyrene	440		62.8	87.8	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140		52.7	87.8	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	54.8	U	54.8	87.8	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	170		54.1	87.8	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58.6	U	58.6	87.8	110	ug/Kg
123-91-1	1,4-Dioxane	74.3	U	74.3	87.8	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.4	U	50.4	87.8	110	ug/Kg
90-12-0	1-Methylnaphthalene	56.2	U	56.2	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	120.541		18-112		80	SPK: -150
13127-88-3	Phenol-d6	108.432		15-107		72	SPK: -150
4165-60-0	Nitrobenzene-d5	68.757		18-107		69	SPK: -100
321-60-8	2-Fluorobiphenyl	68.003		20-109		68	SPK: -100

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	EXCAVATION-SOIL	SDG No.:	BG042424
Lab Sample ID:	P2228-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.3
Sample Wt/Vol:	50.09	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
BG061025.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	102.388		10-110		68	SPK: -150
1718-51-0	Terphenyl-d14	59.32		14-112		59	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	26376	7.941				
1146-65-2	Naphthalene-d8	92696	10.738				
15067-26-2	Acenaphthene-d10	73909	14.569				
1517-22-2	Phenanthrene-d10	174523	17.319				
1719-03-5	Chrysene-d12	179970	21.584				
1520-96-3	Perylene-d12	225475	24.71				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	140	J			3.165	
	unknown3.687	150	J			3.687	
000080-56-8	.alpha.-Pinene	300	J			6.643	
000127-91-3	.beta.-Pinene	510	J			7.395	
000087-44-5	Caryophyllene	120	J			13.905	
000132-65-0	Dibenzothiophene	57.4	J			17.136	
000260-94-6	Acridine	170	J			17.506	
000610-48-0	Anthracene, 1-methyl-	150	J			18.2	
000057-10-3	n-Hexadecanoic acid	180	J			18.223	
000613-12-7	Anthracene, 2-methyl-	170	J			18.247	
000779-02-2	Anthracene, 9-methyl-	85.8	J			18.329	
000203-64-5	4H-Cyclopenta[def]phenanthrene	320	J			18.394	
004505-48-0	1H-Indene, 2-phenyl-	85.1	J			18.429	
000612-94-2	Naphthalene, 2-phenyl-	110	J			18.693	
002789-88-0	di-p-Tolylacetylene	170	J			19.11	
001576-67-6	Phenanthrene, 3,6-dimethyl-	67.5	J			19.252	
000238-84-6	11H-Benzo[a]fluorene	65.7	J			20.233	
000243-17-4	11H-Benzo[b]fluorene	88.9	J			20.333	
002381-21-7	Pyrene, 1-methyl-	72	J			20.391	

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	EXCAVATION-SOIL	SDG No.:	BG042424
Lab Sample ID:	P2228-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.3
Sample Wt/Vol:	50.09	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
BG061025.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000192-97-2	Benzo[e]pyrene	380	J			24.428	

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	EXCAVATION-SOILMS	SDG No.:	BG042424
Lab Sample ID:	P2228-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.3
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061026.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	930		58.7	180	220	ug/Kg
110-86-1	Pyridine	700		54	87.9	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	490		65.5	87.9	110	ug/Kg
108-95-2	Phenol	950		56	87.9	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		56.6	87.9	110	ug/Kg
95-57-8	2-Chlorophenol	1100		56.4	87.9	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	990		57.2	87.9	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		58.1	87.9	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		58.5	87.9	110	ug/Kg
100-51-6	Benzyl Alcohol	870		56.1	180	220	ug/Kg
95-48-7	2-Methylphenol	810		54.5	87.9	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	890		61.4	87.9	110	ug/Kg
98-86-2	Acetophenone	920		58.7	87.9	110	ug/Kg
65794-96-9	3+4-Methylphenols	810		53.9	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	780		27.2	54.1	54.1	ug/Kg
67-72-1	Hexachloroethane	990		56.1	87.9	110	ug/Kg
98-95-3	Nitrobenzene	930		61.4	87.9	110	ug/Kg
78-59-1	Isophorone	890		57.2	87.9	110	ug/Kg
88-75-5	2-Nitrophenol	930		63.9	87.9	110	ug/Kg
105-67-9	2,4-Dimethylphenol	750		63	87.9	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	880		58	87.9	110	ug/Kg
120-83-2	2,4-Dichlorophenol	940		51	87.9	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100		57.7	87.9	110	ug/Kg
65-85-0	Benzoic acid	960		160	180	220	ug/Kg
91-20-3	Naphthalene	960		55.8	87.9	110	ug/Kg
106-47-8	4-Chloroaniline	500		55.8	87.9	110	ug/Kg
87-68-3	Hexachlorobutadiene	1100		56.3	87.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	EXCAVATION-SOILMS	SDG No.:	BG042424
Lab Sample ID:	P2228-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.3
Sample Wt/Vol:	50.04 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
BG061026.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	820		58.7	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	870		52.4	87.9	110	ug/Kg
91-57-6	2-Methylnaphthalene	900		55.8	87.9	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	860		110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		48.3	87.9	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	990		50	87.9	110	ug/Kg
92-52-4	1,1-Biphenyl	1100		59.1	87.9	110	ug/Kg
91-58-7	2-Chloronaphthalene	1100		56.3	87.9	110	ug/Kg
88-74-4	2-Nitroaniline	930		64.2	87.9	110	ug/Kg
131-11-3	Dimethylphthalate	930		55.2	87.9	110	ug/Kg
208-96-8	Acenaphthylene	1000		58.5	87.9	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	930		56.2	87.9	110	ug/Kg
99-09-2	3-Nitroaniline	760		60.3	87.9	110	ug/Kg
83-32-9	Acenaphthene	1100		54.8	87.9	110	ug/Kg
Total PAH	Total PAH	22810		895.5	87.9	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	940		160	180	220	ug/Kg
100-02-7	4-Nitrophenol	2000	E	78.4	180	220	ug/Kg
132-64-9	Dibenzofuran	1000		57	87.9	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	940		58.3	87.9	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	870		114.5	87.9	220	ug/Kg
84-66-2	Diethylphthalate	920		54.1	87.9	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	940		57.9	87.9	110	ug/Kg
86-73-7	Fluorene	1100		57.8	87.9	110	ug/Kg
100-01-6	4-Nitroaniline	830		72.3	87.9	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	570		79.1	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		55.2	87.9	110	ug/Kg
103-33-3	Azobenzene	920		53.8	87.9	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		53.3	87.9	110	ug/Kg
118-74-1	Hexachlorobenzene	1100		57.5	87.9	110	ug/Kg
1912-24-9	Atrazine	1200		61.8	87.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	EXCAVATION-SOILMS	SDG No.:	BG042424
Lab Sample ID:	P2228-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.3
Sample Wt/Vol:	50.04 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
BG061026.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2200	E	52.2	180	220	ug/Kg
85-01-8	Phenanthrene	2000	E	56.8	87.9	110	ug/Kg
120-12-7	Anthracene	1400		57	87.9	110	ug/Kg
86-74-8	Carbazole	1200		54.3	87.9	110	ug/Kg
84-74-2	Di-n-butylphthalate	950		57	87.9	110	ug/Kg
206-44-0	Fluoranthene	2500	E	55.2	87.9	110	ug/Kg
92-87-5	Benzidine	1300		110	180	220	ug/Kg
129-00-0	Pyrene	2100	E	56.1	87.9	110	ug/Kg
85-68-7	Butylbenzylphthalate	950		65.4	87.9	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	870		66.6	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1700		54.5	87.9	110	ug/Kg
218-01-9	Chrysene	1600		53.7	87.9	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	930		61.5	87.9	110	ug/Kg
117-84-0	Di-n-octyl phthalate	970		74.3	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		54.8	87.9	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400		55.8	87.9	110	ug/Kg
50-32-8	Benzo(a)pyrene	1500		62.9	87.9	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	980		52.8	87.9	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	960		54.9	87.9	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	910		54.1	87.9	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		58.7	87.9	110	ug/Kg
123-91-1	1,4-Dioxane	850		74.3	87.9	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	980		50.5	87.9	110	ug/Kg
90-12-0	1-Methylnaphthalene	900		56.2	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	127.866		18-112		85	SPK: -150
13127-88-3	Phenol-d6	102.339		15-107		68	SPK: -150
4165-60-0	Nitrobenzene-d5	67.51		18-107		68	SPK: -100
321-60-8	2-Fluorobiphenyl	72.986		20-109		73	SPK: -100

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	EXCAVATION-SOILMS	SDG No.:	BG042424
Lab Sample ID:	P2228-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.3
Sample Wt/Vol:	50.04 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
BG061026.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	105.604		10-110		70	SPK: -150
1718-51-0	Terphenyl-d14	60.114		14-112		60	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	29070	7.944				
1146-65-2	Naphthalene-d8	104370	10.741				
15067-26-2	Acenaphthene-d10	78714	14.578				
1517-22-2	Phenanthrene-d10	185031	17.322				
1719-03-5	Chrysene-d12	199640	21.587				
1520-96-3	Perylene-d12	244085	24.719				



Client:				Date Collected:	4/22/2024 12:00:00 AM	
Project:				Date Received:	4/22/2024 12:00:00 AM	
Client Sample ID:	EXCAVATION-SOILMSD			SDG No.:	BG042424	
Lab Sample ID:	P2228-01MSD			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	11.3	
Sample Wt/Vol:	50.06	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061027.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	920	U	58.6	180	220	ug/Kg
110-86-1	Pyridine	720		54	87.8	110	ug/Kg
100-52-7	Benzaldehyde	120		120	180	220	ug/Kg
62-53-3	Aniline	540		65.5	87.8	110	ug/Kg
108-95-2	Phenol	1000		56	87.8	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		56.5	87.8	110	ug/Kg
95-57-8	2-Chlorophenol	1000		56.4	87.8	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		57.2	87.8	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		58.1	87.8	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		58.4	87.8	110	ug/Kg
100-51-6	Benzyl Alcohol	990		56.1	180	220	ug/Kg
95-48-7	2-Methylphenol	950		54.5	87.8	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		61.4	87.8	110	ug/Kg
98-86-2	Acetophenone	890		58.7	87.8	110	ug/Kg
65794-96-9	3+4-Methylphenols	950		53.9	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	930		27.2	54.1	54.1	ug/Kg
67-72-1	Hexachloroethane	1200		56.1	87.8	110	ug/Kg
98-95-3	Nitrobenzene	870		61.3	87.8	110	ug/Kg
78-59-1	Isophorone	850		57.2	87.8	110	ug/Kg
88-75-5	2-Nitrophenol	960		63.8	87.8	110	ug/Kg
105-67-9	2,4-Dimethylphenol	730		63	87.8	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	880		58	87.8	110	ug/Kg
120-83-2	2,4-Dichlorophenol	950		51	87.8	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		57.7	87.8	110	ug/Kg
65-85-0	Benzoic acid	930		160	180	220	ug/Kg
91-20-3	Naphthalene	930		55.8	87.8	110	ug/Kg
106-47-8	4-Chloroaniline	490		55.8	87.8	110	ug/Kg
87-68-3	Hexachlorobutadiene	1000		56.3	87.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	EXCAVATION-SOILMSD	SDG No.:	BG042424
Lab Sample ID:	P2228-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.3
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061027.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	780		58.6	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	860		52.4	87.8	110	ug/Kg
91-57-6	2-Methylnaphthalene	800		55.7	87.8	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	780		110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		48.2	87.8	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	910		50	87.8	110	ug/Kg
92-52-4	1,1-Biphenyl	1000		59	87.8	110	ug/Kg
91-58-7	2-Chloronaphthalene	1000		56.3	87.8	110	ug/Kg
88-74-4	2-Nitroaniline	880		64.2	87.8	110	ug/Kg
131-11-3	Dimethylphthalate	910		55.2	87.8	110	ug/Kg
208-96-8	Acenaphthylene	1000		58.4	87.8	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	910		56.2	87.8	110	ug/Kg
99-09-2	3-Nitroaniline	720		60.3	87.8	110	ug/Kg
83-32-9	Acenaphthene	1000		54.8	87.8	110	ug/Kg
Total PAH	Total PAH	22310		895.3	87.8	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	900		160	180	220	ug/Kg
100-02-7	4-Nitrophenol	1900	E	78.4	180	220	ug/Kg
132-64-9	Dibenzofuran	970		57	87.8	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	800		114.4	87.8	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	890		58.2	87.8	110	ug/Kg
84-66-2	Diethylphthalate	870		54.1	87.8	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	890		57.8	87.8	110	ug/Kg
86-73-7	Fluorene	1000		57.8	87.8	110	ug/Kg
100-01-6	4-Nitroaniline	760		72.3	87.8	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	550		79	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		55.1	87.8	110	ug/Kg
103-33-3	Azobenzene	870		53.8	87.8	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		53.3	87.8	110	ug/Kg
118-74-1	Hexachlorobenzene	1100		57.4	87.8	110	ug/Kg
1912-24-9	Atrazine	1100		61.8	87.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	EXCAVATION-SOILMSD	SDG No.:	BG042424
Lab Sample ID:	P2228-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.3
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061027.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2100	E	52.2	180	220	ug/Kg
85-01-8	Phenanthrene	2000	E	56.8	87.8	110	ug/Kg
120-12-7	Anthracene	1300		57	87.8	110	ug/Kg
86-74-8	Carbazole	1100		54.3	87.8	110	ug/Kg
84-74-2	Di-n-butylphthalate	930		57	87.8	110	ug/Kg
206-44-0	Fluoranthene	2600	E	55.2	87.8	110	ug/Kg
92-87-5	Benzidine	1400		110	180	220	ug/Kg
129-00-0	Pyrene	2100	E	56.1	87.8	110	ug/Kg
85-68-7	Butylbenzylphthalate	900		65.4	87.8	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	870		66.6	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1700		54.5	87.8	110	ug/Kg
218-01-9	Chrysene	1600		53.7	87.8	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	930		61.5	87.8	110	ug/Kg
117-84-0	Di-n-octyl phthalate	950		74.3	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		54.8	87.8	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		55.8	87.8	110	ug/Kg
50-32-8	Benzo(a)pyrene	1400		62.8	87.8	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		52.8	87.8	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	900		54.9	87.8	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	880		54.1	87.8	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		58.6	87.8	110	ug/Kg
123-91-1	1,4-Dioxane	830		74.3	87.8	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	930		50.5	87.8	110	ug/Kg
90-12-0	1-Methylnaphthalene	790		56.2	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	128.668		18-112		86	SPK: -150
13127-88-3	Phenol-d6	109.229		15-107		73	SPK: -150
4165-60-0	Nitrobenzene-d5	65.457		18-107		65	SPK: -100
321-60-8	2-Fluorobiphenyl	68.248		20-109		68	SPK: -100

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	EXCAVATION-SOILMSD	SDG No.:	BG042424
Lab Sample ID:	P2228-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.3
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061027.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160449

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	102.293		10-110		68	SPK: -150
1718-51-0	Terphenyl-d14	59.695		14-112		60	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	27933	7.948				
1146-65-2	Naphthalene-d8	121901	10.738				
15067-26-2	Acenaphthene-d10	83358	14.575				
1517-22-2	Phenanthrene-d10	191612	17.325				
1719-03-5	Chrysene-d12	210503	21.59				
1520-96-3	Perylene-d12	248725	24.716				

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	AU-05-042324	SDG No.:	BG042424
Lab Sample ID:	P2240-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.4
Sample Wt/Vol:	50.06	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
BG061028.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	57.4	U	57.4	180	220	ug/Kg
110-86-1	Pyridine	52.9	U	52.9	86	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	64.1	U	64.1	86	110	ug/Kg
108-95-2	Phenol	54.8	U	54.8	86	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	55.4	U	55.4	86	110	ug/Kg
95-57-8	2-Chlorophenol	55.2	U	55.2	86	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	56	U	56	86	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	56.9	U	56.9	86	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	57.2	U	57.2	86	110	ug/Kg
100-51-6	Benzyl Alcohol	54.9	U	54.9	180	220	ug/Kg
95-48-7	2-Methylphenol	53.3	U	53.3	86	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	60.1	U	60.1	86	110	ug/Kg
98-86-2	Acetophenone	57.5	U	57.5	86	110	ug/Kg
65794-96-9	3+4-Methylphenols	52.8	U	52.8	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	26.7	U	26.7	52.9	52.9	ug/Kg
67-72-1	Hexachloroethane	54.9	U	54.9	86	110	ug/Kg
98-95-3	Nitrobenzene	60.1	U	60.1	86	110	ug/Kg
78-59-1	Isophorone	56	U	56	86	110	ug/Kg
88-75-5	2-Nitrophenol	62.5	U	62.5	86	110	ug/Kg
105-67-9	2,4-Dimethylphenol	61.6	U	61.6	86	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	56.8	U	56.8	86	110	ug/Kg
120-83-2	2,4-Dichlorophenol	49.9	U	49.9	86	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	56.5	U	56.5	86	110	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	54.6	U	54.6	86	110	ug/Kg
106-47-8	4-Chloroaniline	54.6	U	54.6	86	110	ug/Kg
87-68-3	Hexachlorobutadiene	55.1	U	55.1	86	110	ug/Kg

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	AU-05-042324	SDG No.:	BG042424
Lab Sample ID:	P2240-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.4
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061028.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	57.4	U	57.4	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	51.3	U	51.3	86	110	ug/Kg
91-57-6	2-Methylnaphthalene	54.6	U	54.6	86	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	47.2	U	47.2	86	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	48.9	U	48.9	86	110	ug/Kg
92-52-4	1,1-Biphenyl	57.8	U	57.8	86	110	ug/Kg
91-58-7	2-Chloronaphthalene	55.1	U	55.1	86	110	ug/Kg
88-74-4	2-Nitroaniline	62.8	U	62.8	86	110	ug/Kg
131-11-3	Dimethylphthalate	54	U	54	86	110	ug/Kg
208-96-8	Acenaphthylene	57.2	U	57.2	86	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	55	U	55	86	110	ug/Kg
99-09-2	3-Nitroaniline	59	U	59	86	110	ug/Kg
83-32-9	Acenaphthene	53.6	U	53.6	86	110	ug/Kg
Total PAH	Total PAH	1238.1	U	876.4	86	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	76.7	U	76.7	180	220	ug/Kg
132-64-9	Dibenzofuran	55.8	U	55.8	86	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	112	U	112	86	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	57	U	57	86	110	ug/Kg
84-66-2	Diethylphthalate	53	U	53	86	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	56.6	U	56.6	86	110	ug/Kg
86-73-7	Fluorene	56.6	U	56.6	86	110	ug/Kg
100-01-6	4-Nitroaniline	70.8	U	70.8	86	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	77.4	U	77.4	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	54	U	54	86	110	ug/Kg
103-33-3	Azobenzene	52.7	U	52.7	86	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	52.2	U	52.2	86	110	ug/Kg
118-74-1	Hexachlorobenzene	56.2	U	56.2	86	110	ug/Kg
1912-24-9	Atrazine	60.5	U	60.5	86	110	ug/Kg

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	AU-05-042324	SDG No.:	BG042424
Lab Sample ID:	P2240-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.4
Sample Wt/Vol:	50.06	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
BG061028.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	51.1	U	51.1	180	220	ug/Kg
85-01-8	Phenanthrene	150		55.6	86	110	ug/Kg
120-12-7	Anthracene	55.8	U	55.8	86	110	ug/Kg
86-74-8	Carbazole	53.1	U	53.1	86	110	ug/Kg
84-74-2	Di-n-butylphthalate	55.8	U	55.8	86	110	ug/Kg
206-44-0	Fluoranthene	260		54	86	110	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	230		54.9	86	110	ug/Kg
85-68-7	Butylbenzylphthalate	64	U	64	86	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	65.2	U	65.2	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	130		53.4	86	110	ug/Kg
218-01-9	Chrysene	140		52.6	86	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	60.2	U	60.2	86	110	ug/Kg
117-84-0	Di-n-octyl phthalate	72.8	U	72.8	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	150		53.6	86	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	68.1	J	54.6	86	110	ug/Kg
50-32-8	Benzo(a)pyrene	110		61.5	86	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	51.7	U	51.7	86	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	53.7	U	53.7	86	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	53	U	53	86	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57.4	U	57.4	86	110	ug/Kg
123-91-1	1,4-Dioxane	72.8	U	72.8	86	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.4	U	49.4	86	110	ug/Kg
90-12-0	1-Methylnaphthalene	55	U	55	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	88.972		18-112		59	SPK: -150
13127-88-3	Phenol-d6	78.757		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	52.656		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	57.763		20-109		58	SPK: -100

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	AU-05-042324	SDG No.:	BG042424
Lab Sample ID:	P2240-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.4
Sample Wt/Vol:	50.06	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
BG061028.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	77.527		10-110		52	SPK: -150
1718-51-0	Terphenyl-d14	51.698		14-112		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	30189	7.937				
1146-65-2	Naphthalene-d8	108024	10.739				
15067-26-2	Acenaphthene-d10	81605	14.57				
1517-22-2	Phenanthrene-d10	182353	17.32				
1719-03-5	Chrysene-d12	195175	21.579				
1520-96-3	Perylene-d12	222444	24.711				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	110	J			3.166	
	unknown11.444	60.4	J			11.444	
001680-51-9	Naphthalene, 1,2,3,4-tetrahydro-6-	61.5	J			11.926	
	unknown12.649	62.2	J			12.649	
000593-45-3	Octadecane	72.1	J			13.407	
000629-92-5	Nonadecane	120	J			14.482	
	unknown15.105	56.4	J			15.105	
062108-21-8	Decane, 6-ethyl-2-methyl-	150	J			15.434	
017301-22-3	Undecane, 2,5-dimethyl-	82.2	J			15.839	
000544-76-3	Hexadecane	200	J			16.297	
000630-02-4	Octacosane	180	J			17.091	
017312-55-9	Decane, 3,8-dimethyl-	120	J			17.138	
000629-94-7	Heneicosane	150	J			17.831	
000112-39-0	Hexadecanoic acid, methyl ester	450	J			18.001	
000057-10-3	n-Hexadecanoic acid	330	J			18.224	
000112-95-8	Eicosane	170	J			18.524	
002566-97-4	9,12-Octadecadienoic acid, methyl	2300	J			19.141	
000112-62-9	9-Octadecenoic acid (Z)-, methyl e	1600	J			19.176	
005129-61-3	Heptadecanoic acid, 16-methyl-, me	220	J			19.306	

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	AU-05-042324	SDG No.:	BG042424
Lab Sample ID:	P2240-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.4
Sample Wt/Vol:	50.06	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
BG061028.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	unknown21.256	78.7	J			21.256	



Client:				Date Collected:	4/23/2024 12:00:00 AM	
Project:				Date Received:	4/23/2024 12:00:00 AM	
Client Sample ID:	PL-02-04232024			SDG No.:	BG042424	
Lab Sample ID:	P2247-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	7	
Sample Wt/Vol:	50.02	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061029.D	5	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	280	U	280	870	1100	ug/Kg
110-86-1	Pyridine	260	U	260	420	550	ug/Kg
100-52-7	Benzaldehyde	590	U	590	870	1100	ug/Kg
62-53-3	Aniline	310	U	310	420	550	ug/Kg
108-95-2	Phenol	270	U	270	420	550	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	270	U	270	420	550	ug/Kg
95-57-8	2-Chlorophenol	270	U	270	420	550	ug/Kg
95-50-1	1,2-Dichlorobenzene	270	U	270	420	550	ug/Kg
541-73-1	1,3-Dichlorobenzene	280	U	280	420	550	ug/Kg
106-46-7	1,4-Dichlorobenzene	280	U	280	420	550	ug/Kg
100-51-6	Benzyl Alcohol	270	U	270	870	1100	ug/Kg
95-48-7	2-Methylphenol	260	U	260	420	550	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	290	U	290	420	550	ug/Kg
98-86-2	Acetophenone	280	U	280	420	550	ug/Kg
65794-96-9	3+4-Methylphenols	260	U	260	870	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	130	U	130	260	260	ug/Kg
67-72-1	Hexachloroethane	270	U	270	420	550	ug/Kg
98-95-3	Nitrobenzene	290	U	290	420	550	ug/Kg
78-59-1	Isophorone	270	U	270	420	550	ug/Kg
88-75-5	2-Nitrophenol	300	U	300	420	550	ug/Kg
105-67-9	2,4-Dimethylphenol	300	U	300	420	550	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	280	U	280	420	550	ug/Kg
120-83-2	2,4-Dichlorophenol	240	U	240	420	550	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	280	U	280	420	550	ug/Kg
65-85-0	Benzoic acid	760	U	760	870	1100	ug/Kg
91-20-3	Naphthalene	270	U	270	420	550	ug/Kg
106-47-8	4-Chloroaniline	270	U	270	420	550	ug/Kg
87-68-3	Hexachlorobutadiene	270	U	270	420	550	ug/Kg

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	PL-02-04232024	SDG No.:	BG042424
Lab Sample ID:	P2247-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061029.D	5	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	250	U	250	870	1100	ug/Kg
85-01-8	Phenanthrene	620		270	420	550	ug/Kg
120-12-7	Anthracene	270	U	270	420	550	ug/Kg
86-74-8	Carbazole	260	U	260	420	550	ug/Kg
84-74-2	Di-n-butylphthalate	270	U	270	420	550	ug/Kg
206-44-0	Fluoranthene	1200		260	420	550	ug/Kg
92-87-5	Benzidine	530	U	530	870	1100	ug/Kg
129-00-0	Pyrene	1100		270	420	550	ug/Kg
85-68-7	Butylbenzylphthalate	310	U	310	420	550	ug/Kg
91-94-1	3,3-Dichlorobenzidine	320	U	320	870	1100	ug/Kg
56-55-3	Benzo(a)anthracene	610		260	420	550	ug/Kg
218-01-9	Chrysene	600		260	420	550	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	290	U	290	420	550	ug/Kg
117-84-0	Di-n-octyl phthalate	350	U	350	870	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	740		260	420	550	ug/Kg
207-08-9	Benzo(k)fluoranthene	360	J	270	420	550	ug/Kg
50-32-8	Benzo(a)pyrene	620		300	420	550	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	250	U	250	420	550	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	260	U	260	420	550	ug/Kg
191-24-2	Benzo(g,h,i)perylene	290	J	260	420	550	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	280	U	280	420	550	ug/Kg
123-91-1	1,4-Dioxane	350	U	350	420	550	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	240	U	240	420	550	ug/Kg
90-12-0	1-Methylnaphthalene	270	U	270	550	550	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	93.02		18-112		62	SPK: -150
13127-88-3	Phenol-d6	81.98		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	55.55		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	57.455		20-109		57	SPK: -100

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	PL-02-04232024	SDG No.:	BG042424
Lab Sample ID:	P2247-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061029.D	5	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	76.795		10-110		51	SPK: -150
1718-51-0	Terphenyl-d14	53.645		14-112		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	29085	7.947				
1146-65-2	Naphthalene-d8	106377	10.738				
15067-26-2	Acenaphthene-d10	77188	14.575				
1517-22-2	Phenanthrene-d10	169374	17.318				
1719-03-5	Chrysene-d12	177762	21.578				
1520-96-3	Perylene-d12	185939	24.716				
TENTATIVE IDENTIFIED COMPOUNDS							
1000382-90-5	Carbonic acid, decyl prop-1-en-2-y	830	J			9.175	
006418-41-3	Tridecane, 3-methyl-	410	J			11.772	
000629-50-5	Tridecane	950	J			12.166	
	unknown13.123	410	J			13.123	
000629-78-7	Heptadecane	1200	J			13.405	
000630-04-6	Hentriacontane	400	J			14.063	
000629-62-9	Pentadecane	1200	J			14.481	
001599-67-3	1-Docosene	340	J			15.103	
000544-76-3	Hexadecane	1300	J			15.432	
017301-22-3	Undecane, 2,5-dimethyl-	750	J			15.838	
013475-75-7	Pentadecane, 8-hexyl-	1300	J			16.296	
001928-30-9	Tricosane, 2-methyl-	1000	J			17.089	
017312-57-1	Dodecane, 3-methyl-	670	J			17.142	
000629-92-5	Nonadecane	1000	J			17.83	
005129-60-2	Pentadecanoic acid, 14-methyl-, me	2300	J			18	
000057-10-3	n-Hexadecanoic acid	1500	J			18.223	
001560-86-7	Nonadecane, 2-methyl-	820	J			18.523	
002462-85-3	9,12-Octadecadienoic acid, methyl	6500	J			19.14	
000112-62-9	9-Octadecenoic acid (Z)-, methyl e	6600	J			19.175	

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	PL-02-04232024	SDG No.:	BG042424
Lab Sample ID:	P2247-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061029.D	5	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000112-61-8	Methyl stearate	1300	J			19.304	

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	PL-03-04232024	SDG No.:	BG042424
Lab Sample ID:	P2247-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.2
Sample Wt/Vol:	50.08 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
BG061030.D	5	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	270	U	270	840	1000	ug/Kg
110-86-1	Pyridine	250	U	250	400	530	ug/Kg
100-52-7	Benzaldehyde	560	U	560	840	1000	ug/Kg
62-53-3	Aniline	300	U	300	400	530	ug/Kg
108-95-2	Phenol	260	U	260	400	530	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	260	U	260	400	530	ug/Kg
95-57-8	2-Chlorophenol	260	U	260	400	530	ug/Kg
95-50-1	1,2-Dichlorobenzene	260	U	260	400	530	ug/Kg
541-73-1	1,3-Dichlorobenzene	270	U	270	400	530	ug/Kg
106-46-7	1,4-Dichlorobenzene	270	U	270	400	530	ug/Kg
100-51-6	Benzyl Alcohol	260	U	260	840	1000	ug/Kg
95-48-7	2-Methylphenol	250	U	250	400	530	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	280	U	280	400	530	ug/Kg
98-86-2	Acetophenone	270	U	270	400	530	ug/Kg
65794-96-9	3+4-Methylphenols	250	U	250	840	1000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	120	U	120	250	250	ug/Kg
67-72-1	Hexachloroethane	260	U	260	400	530	ug/Kg
98-95-3	Nitrobenzene	280	U	280	400	530	ug/Kg
78-59-1	Isophorone	260	U	260	400	530	ug/Kg
88-75-5	2-Nitrophenol	290	U	290	400	530	ug/Kg
105-67-9	2,4-Dimethylphenol	290	U	290	400	530	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	270	U	270	400	530	ug/Kg
120-83-2	2,4-Dichlorophenol	230	U	230	400	530	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	260	U	260	400	530	ug/Kg
65-85-0	Benzoic acid	730	U	730	840	1000	ug/Kg
91-20-3	Naphthalene	260	U	260	400	530	ug/Kg
106-47-8	4-Chloroaniline	260	U	260	400	530	ug/Kg
87-68-3	Hexachlorobutadiene	260	U	260	400	530	ug/Kg

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	PL-03-04232024	SDG No.:	BG042424
Lab Sample ID:	P2247-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.2
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
BG061030.D	5	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	270	U	270	840	1000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	240	U	240	400	530	ug/Kg
91-57-6	2-Methylnaphthalene	260	U	260	400	530	ug/Kg
77-47-4	Hexachlorocyclopentadiene	480	U	480	840	1000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	220	U	220	400	530	ug/Kg
95-95-4	2,4,5-Trichlorophenol	230	U	230	400	530	ug/Kg
92-52-4	1,1-Biphenyl	270	U	270	400	530	ug/Kg
91-58-7	2-Chloronaphthalene	260	U	260	400	530	ug/Kg
88-74-4	2-Nitroaniline	290	U	290	400	530	ug/Kg
131-11-3	Dimethylphthalate	250	U	250	400	530	ug/Kg
208-96-8	Acenaphthylene	270	U	270	400	530	ug/Kg
606-20-2	2,6-Dinitrotoluene	260	U	260	400	530	ug/Kg
99-09-2	3-Nitroaniline	280	U	280	400	530	ug/Kg
83-32-9	Acenaphthene	250	U	250	400	530	ug/Kg
Total PAH	Total PAH	4110	U	4110	400	8480	ug/Kg
51-28-5	2,4-Dinitrophenol	750	U	750	840	1000	ug/Kg
100-02-7	4-Nitrophenol	360	U	360	840	1000	ug/Kg
132-64-9	Dibenzofuran	260	U	260	400	530	ug/Kg
121-14-2	2,4-Dinitrotoluene	270	U	270	400	530	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	530	U	530	400	1060	ug/Kg
84-66-2	Diethylphthalate	250	U	250	400	530	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	260	U	260	400	530	ug/Kg
86-73-7	Fluorene	260	U	260	400	530	ug/Kg
100-01-6	4-Nitroaniline	330	U	330	400	530	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	360	U	360	840	1000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	250	U	250	400	530	ug/Kg
103-33-3	Azobenzene	250	U	250	400	530	ug/Kg
101-55-3	4-Bromophenyl-phenylether	240	U	240	400	530	ug/Kg
118-74-1	Hexachlorobenzene	260	U	260	400	530	ug/Kg
1912-24-9	Atrazine	280	U	280	400	530	ug/Kg



Client:				Date Collected:	4/23/2024 12:00:00 AM	
Project:				Date Received:	4/23/2024 12:00:00 AM	
Client Sample ID:	PL-03-04232024			SDG No.:	BG042424	
Lab Sample ID:	P2247-04			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	3.2	
Sample Wt/Vol:	50.08	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
BG061030.D	5	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	240	U	240	840	1000	ug/Kg
85-01-8	Phenanthrene	450	J	260	400	530	ug/Kg
120-12-7	Anthracene	260	U	260	400	530	ug/Kg
86-74-8	Carbazole	250	U	250	400	530	ug/Kg
84-74-2	Di-n-butylphthalate	260	U	260	400	530	ug/Kg
206-44-0	Fluoranthene	710		250	400	530	ug/Kg
92-87-5	Benzidine	500	U	500	840	1000	ug/Kg
129-00-0	Pyrene	620		260	400	530	ug/Kg
85-68-7	Butylbenzylphthalate	300	U	300	400	530	ug/Kg
91-94-1	3,3-Dichlorobenzidine	310	U	310	840	1000	ug/Kg
56-55-3	Benzo(a)anthracene	300	J	250	400	530	ug/Kg
218-01-9	Chrysene	380	J	250	400	530	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	280	U	280	400	530	ug/Kg
117-84-0	Di-n-octyl phthalate	340	U	340	840	1000	ug/Kg
205-99-2	Benzo(b)fluoranthene	420	J	250	400	530	ug/Kg
207-08-9	Benzo(k)fluoranthene	260	U	260	400	530	ug/Kg
50-32-8	Benzo(a)pyrene	290	U	290	400	530	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	240	U	240	400	530	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	250	U	250	400	530	ug/Kg
191-24-2	Benzo(g,h,i)perylene	250	U	250	400	530	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	270	U	270	400	530	ug/Kg
123-91-1	1,4-Dioxane	340	U	340	400	530	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	230	U	230	400	530	ug/Kg
90-12-0	1-Methylnaphthalene	260	U	260	530	530	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	89.705		18-112		60	SPK: -150
13127-88-3	Phenol-d6	76.325		15-107		51	SPK: -150
4165-60-0	Nitrobenzene-d5	55.15		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	67.43		20-109		67	SPK: -100

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	PL-03-04232024	SDG No.:	BG042424
Lab Sample ID:	P2247-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.2
Sample Wt/Vol:	50.08 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
BG061030.D	5	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	43.07		10-110		29	SPK: -150
1718-51-0	Terphenyl-d14	54.285		14-112		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	27140	7.947				
1146-65-2	Naphthalene-d8	98270	10.744				
15067-26-2	Acenaphthene-d10	72457	14.575				
1517-22-2	Phenanthrene-d10	161528	17.325				
1719-03-5	Chrysene-d12	173635	21.584				
1520-96-3	Perylene-d12	169201	24.728				
TENTATIVE IDENTIFIED COMPOUNDS							
001120-21-4	Undecane	620	J			9.175	
000629-78-7	Heptadecane	1100	J			12.166	
	unknown13.124	520	J			13.124	
073105-67-6	1-Iodo-2-methylundecane	1700	J			13.406	
001076-61-5	Naphthalene, 1,2,3,4-tetrahydro-6,	510	J			13.523	
004292-19-7	Dodecane, 1-iodo-	480	J			14.07	
000629-62-9	Pentadecane	1700	J			14.481	
1000309-37-7	Oxalic acid, dodecyl isobutyl este	530	J			15.104	
000544-76-3	Hexadecane	1700	J			15.433	
017301-23-4	Undecane, 2,6-dimethyl-	750	J			15.844	
000629-50-5	Tridecane	1800	J			16.296	
000593-45-3	Octadecane	1400	J			17.09	
018435-22-8	Tetradecane, 3-methyl-	770	J			17.142	
000629-92-5	Nonadecane	1300	J			17.83	
000112-39-0	Hexadecanoic acid, methyl ester	1000	J			18	
001560-89-0	Heptadecane, 2-methyl-	1100	J			18.523	
002462-85-3	9,12-Octadecadienoic acid, methyl	5600	J			19.14	
002390-09-2	cis-Methyl 11-eicosenoate	3500	J			19.169	
000112-61-8	Methyl stearate	560	J			19.305	

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	PL-03-04232024	SDG No.:	BG042424
Lab Sample ID:	P2247-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.2
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
BG061030.D	5	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
062016-79-9	Heptacosane, 1-chloro-	460	J			20.262	

Hit Summary Sheet SW-846

SDG No.: BG042424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : STOCK-PILE								
P2199-01	STOCK-PILE	Solid	(1-Cyclopentenyl)ferrocene	*	130.000	J		
P2199-01	STOCK-PILE	Solid	11H-Benzo[a]fluoren-11-one	*	80.300	J		
P2199-01	STOCK-PILE	Solid	11H-Benzo[b]fluorene	*	89.400	J		
P2199-01	STOCK-PILE	Solid	1H-Cyclopropa[1]phenanthrene, 1a	*	98.200	J		
P2199-01	STOCK-PILE	Solid	4H-Cyclopenta[def]phenanthrene	*	250.000	J		
P2199-01	STOCK-PILE	Solid	9,10-Anthracenedione	*	190.000	J		
P2199-01	STOCK-PILE	Solid	9,10-Dimethylanthracene	*	130.000	J		
P2199-01	STOCK-PILE	Solid	Anthracene, 1-methyl-	*	120.000	J		
P2199-01	STOCK-PILE	Solid	Benzo[b]naphtho[2,1-d]thiophene	*	77.400	J		
P2199-01	STOCK-PILE	Solid	Benzo[e]pyrene	*	100.000	J		
P2199-01	STOCK-PILE	Solid	Butane, 2-methoxy-2-methyl-	*	200.000	J		
P2199-01	STOCK-PILE	Solid	Cyclopenta(def)phenanthrenone	*	95.300	J		
P2199-01	STOCK-PILE	Solid	n-Hexadecanoic acid	*	190.000	J		
P2199-01	STOCK-PILE	Solid	Naphthalene, 2-ethenyl-	*	79.300	J		
P2199-01	STOCK-PILE	Solid	Naphthalene, 2-phenyl-	*	100.000	J		
P2199-01	STOCK-PILE	Solid	Perylene	*	490.000	J		
P2199-01	STOCK-PILE	Solid	Pyrene, 1-methyl-	*	75.300	J		
P2199-01	STOCK-PILE	Solid	unknown21.252	*	130.000	J		
Total Tics :					2,625.20			
P2199-01	STOCK-PILE	Solid	Anthracene		100.000	J	92.1	190 ug/Kg
P2199-01	STOCK-PILE	Solid	Benzo(a)anthracene		610.000		88	190 ug/Kg
P2199-01	STOCK-PILE	Solid	Benzo(a)pyrene		600.000		100	190 ug/Kg
P2199-01	STOCK-PILE	Solid	Benzo(b)fluoranthene		800.000		88.5	190 ug/Kg
P2199-01	STOCK-PILE	Solid	Benzo(g,h,i)perylene		340.000		87.4	190 ug/Kg
P2199-01	STOCK-PILE	Solid	Benzo(k)fluoranthene		290.000		90.1	190 ug/Kg
P2199-01	STOCK-PILE	Solid	Chrysene		670.000		86.7	190 ug/Kg
P2199-01	STOCK-PILE	Solid	Fluoranthene		1,500.000		89.1	190 ug/Kg
P2199-01	STOCK-PILE	Solid	Indeno(1,2,3-cd)pyrene		300.000		85.2	190 ug/Kg
P2199-01	STOCK-PILE	Solid	Phenanthrene		870.000		91.6	190 ug/Kg
P2199-01	STOCK-PILE	Solid	Pyrene		1,200.000		90.5	190 ug/Kg
Total Svoc :					7,280.00			
Total Concentration:					9,905.20			
Client ID : TR-06-042224								
P2225-01	TR-06-042224	Solid	1-Iodo-2-methylundecane	*	110.000	J		
P2225-01	TR-06-042224	Solid	Decane	*	270.000	J		
P2225-01	TR-06-042224	Solid	Dodecane, 2-methyl-	*	130.000	J		
P2225-01	TR-06-042224	Solid	Hexadecane	*	490.000	J		

Hit Summary Sheet SW-846

SDG No.: BG042424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2225-01	TR-06-042224	Solid	Hexadecane, 2-methyl-	*	430.000	J		
P2225-01	TR-06-042224	Solid	n-Hexadecanoic acid	*	220.000	J		
P2225-01	TR-06-042224	Solid	Naphthalene, 1,2,3,4-tetrahydro-2-	*	99.900	J		
P2225-01	TR-06-042224	Solid	Naphthalene, 1,2,3,4-tetrahydro-6-	*	100.000	J		
P2225-01	TR-06-042224	Solid	Nonadecane	*	550.000	J		
P2225-01	TR-06-042224	Solid	Nonadecane, 2-methyl-	*	490.000	J		
P2225-01	TR-06-042224	Solid	Octadecane	*	130.000	J		
P2225-01	TR-06-042224	Solid	Octane, 4-ethyl-	*	230.000	J		
P2225-01	TR-06-042224	Solid	Pentadecane	*	410.000	J		
P2225-01	TR-06-042224	Solid	Sulfurous acid, butyl heptadecyl e	*	92.000	J		
P2225-01	TR-06-042224	Solid	Tetracosane	*	97.600	J		
P2225-01	TR-06-042224	Solid	Tetradecane, 3-methyl-	*	260.000	J		
P2225-01	TR-06-042224	Solid	Tridecane	*	190.000	J		
P2225-01	TR-06-042224	Solid	Tridecane, 2-methyl-	*	660.000	J		
P2225-01	TR-06-042224	Solid	Tridecane, 7-hexyl-	*	550.000	J		
P2225-01	TR-06-042224	Solid	unknown13.123	*	98.100	J		
Total Tics :					5,607.60			
P2225-01	TR-06-042224	Solid	Fluoranthene		56.800	J 51.2	110	ug/Kg
P2225-01	TR-06-042224	Solid	Pyrene		58.900	J 52.1	110	ug/Kg
Total Svoc :					115.70			
Total Concentration:					5,723.30			

Client ID : EXCAVATION-SOIL

P2228-01	EXCAVATION-SOIL	Solid	.alpha.-Pinene	*	300.000	J		
P2228-01	EXCAVATION-SOIL	Solid	.beta.-Pinene	*	510.000	J		
P2228-01	EXCAVATION-SOIL	Solid	11H-Benzo[a]fluorene	*	65.700	J		
P2228-01	EXCAVATION-SOIL	Solid	11H-Benzo[b]fluorene	*	88.900	J		
P2228-01	EXCAVATION-SOIL	Solid	1H-Indene, 2-phenyl-	*	85.100	J		
P2228-01	EXCAVATION-SOIL	Solid	4H-Cyclopenta[def]phenanthrene	*	320.000	J		
P2228-01	EXCAVATION-SOIL	Solid	Acridine	*	170.000	J		
P2228-01	EXCAVATION-SOIL	Solid	Anthracene, 1-methyl-	*	150.000	J		
P2228-01	EXCAVATION-SOIL	Solid	Anthracene, 2-methyl-	*	170.000	J		
P2228-01	EXCAVATION-SOIL	Solid	Anthracene, 9-methyl-	*	85.800	J		
P2228-01	EXCAVATION-SOIL	Solid	Benzo[e]pyrene	*	380.000	J		
P2228-01	EXCAVATION-SOIL	Solid	Butane, 2-methoxy-2-methyl-	*	140.000	J		
P2228-01	EXCAVATION-SOIL	Solid	Caryophyllene	*	120.000	J		
P2228-01	EXCAVATION-SOIL	Solid	di-p-Tolylacetylene	*	170.000	J		
P2228-01	EXCAVATION-SOIL	Solid	Dibenzothiophene	*	57.400	J		
P2228-01	EXCAVATION-SOIL	Solid	n-Hexadecanoic acid	*	180.000	J		
P2228-01	EXCAVATION-SOIL	Solid	Naphthalene, 2-phenyl-	*	110.000	J		
P2228-01	EXCAVATION-SOIL	Solid	Phenanthrene, 3,6-dimethyl-	*	67.500	J		

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SDG No.: BG042424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2228-01	EXCAVATION-SOIL	Solid	Pyrene, 1-methyl-	*	72.000	J		
P2228-01	EXCAVATION-SOIL	Solid	unknown3.687	*	150.000	J		
Total Tics :					3,392.40			
P2228-01	EXCAVATION-SOIL	Solid	Acenaphthene		70.800	J	54.8	110 ug/Kg
P2228-01	EXCAVATION-SOIL	Solid	Anthracene		360.000		57	110 ug/Kg
P2228-01	EXCAVATION-SOIL	Solid	Benzo(a)anthracene		690.000		54.5	110 ug/Kg
P2228-01	EXCAVATION-SOIL	Solid	Benzo(a)pyrene		440.000		62.8	110 ug/Kg
P2228-01	EXCAVATION-SOIL	Solid	Benzo(b)fluoranthene		590.000		54.8	110 ug/Kg
P2228-01	EXCAVATION-SOIL	Solid	Benzo(g,h,i)perylene		170.000		54.1	110 ug/Kg
P2228-01	EXCAVATION-SOIL	Solid	Benzo(k)fluoranthene		280.000		55.8	110 ug/Kg
P2228-01	EXCAVATION-SOIL	Solid	Carbazole		170.000		54.2	110 ug/Kg
P2228-01	EXCAVATION-SOIL	Solid	Chrysene		650.000		53.7	110 ug/Kg
P2228-01	EXCAVATION-SOIL	Solid	Fluoranthene		1,500.000		55.2	110 ug/Kg
P2228-01	EXCAVATION-SOIL	Solid	Fluorene		110.000		57.7	110 ug/Kg
P2228-01	EXCAVATION-SOIL	Solid	Indeno(1,2,3-cd)pyrene		140.000		52.7	110 ug/Kg
P2228-01	EXCAVATION-SOIL	Solid	Phenanthrene		1,000.000		56.7	110 ug/Kg
P2228-01	EXCAVATION-SOIL	Solid	Pyrene		1,200.000		56	110 ug/Kg
P2228-01	EXCAVATION-SOIL	Solid	Total PAH		7,200.000		894.8	1760 ug/Kg
Total Svoc :					14,570.80			
Total Concentration:					17,963.20			

Client ID : AU-05-042324

P2240-02	AU-05-042324	Solid	9,12-Octadecadienoic acid, methyl	*	2,300.000	J		
P2240-02	AU-05-042324	Solid	9-Octadecenoic acid (Z)-, methyl	*	1,600.000	J		
P2240-02	AU-05-042324	Solid	Butane, 2-methoxy-2-methyl-	*	110.000	J		
P2240-02	AU-05-042324	Solid	Decane, 3,8-dimethyl-	*	120.000	J		
P2240-02	AU-05-042324	Solid	Decane, 6-ethyl-2-methyl-	*	150.000	J		
P2240-02	AU-05-042324	Solid	Eicosane	*	170.000	J		
P2240-02	AU-05-042324	Solid	Heneicosane	*	150.000	J		
P2240-02	AU-05-042324	Solid	Heptadecanoic acid, 16-methyl-, r	*	220.000	J		
P2240-02	AU-05-042324	Solid	Hexadecane	*	200.000	J		
P2240-02	AU-05-042324	Solid	Hexadecanoic acid, methyl ester	*	450.000	J		
P2240-02	AU-05-042324	Solid	n-Hexadecanoic acid	*	330.000	J		
P2240-02	AU-05-042324	Solid	Naphthalene, 1,2,3,4-tetrahydro-6	*	61.500	J		
P2240-02	AU-05-042324	Solid	Nonadecane	*	120.000	J		
P2240-02	AU-05-042324	Solid	Octacosane	*	180.000	J		
P2240-02	AU-05-042324	Solid	Octadecane	*	72.100	J		
P2240-02	AU-05-042324	Solid	Undecane, 2,5-dimethyl-	*	82.200	J		
P2240-02	AU-05-042324	Solid	unknown11.444	*	60.400	J		
P2240-02	AU-05-042324	Solid	unknown12.649	*	62.200	J		
P2240-02	AU-05-042324	Solid	unknown15.105	*	56.400	J		

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SDG No.: BG042424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2240-02	AU-05-042324	Solid	unknown21.256	*	78.700	J		
Total Tics :					6,573.50			
P2240-02	AU-05-042324	Solid	Benzo(a)anthracene	130.000	53.4		110	ug/Kg
P2240-02	AU-05-042324	Solid	Benzo(a)pyrene	110.000	61.5		110	ug/Kg
P2240-02	AU-05-042324	Solid	Benzo(b)fluoranthene	150.000	53.6		110	ug/Kg
P2240-02	AU-05-042324	Solid	Benzo(k)fluoranthene	68.100	J	54.6	110	ug/Kg
P2240-02	AU-05-042324	Solid	Chrysene	140.000	52.6		110	ug/Kg
P2240-02	AU-05-042324	Solid	Fluoranthene	260.000	54		110	ug/Kg
P2240-02	AU-05-042324	Solid	Phenanthrene	150.000	55.6		110	ug/Kg
P2240-02	AU-05-042324	Solid	Pyrene	230.000	54.9		110	ug/Kg
Total Svoc :					1,238.10			
Total Concentration:					7,811.60			
Client ID : PL-02-04232024								
P2247-01	PL-02-04232024	Solid	1-Docosene	*	340.000	J		
P2247-01	PL-02-04232024	Solid	9,12-Octadecadienoic acid, methy	*	6,500.000	J		
P2247-01	PL-02-04232024	Solid	9-Octadecenoic acid (Z)-, methyl	*	6,600.000	J		
P2247-01	PL-02-04232024	Solid	Carbonic acid, decyl prop-1-en-2-	*	830.000	J		
P2247-01	PL-02-04232024	Solid	Dodecane, 3-methyl-	*	670.000	J		
P2247-01	PL-02-04232024	Solid	Hentriacontane	*	400.000	J		
P2247-01	PL-02-04232024	Solid	Heptadecane	*	1,200.000	J		
P2247-01	PL-02-04232024	Solid	Hexadecane	*	1,300.000	J		
P2247-01	PL-02-04232024	Solid	Methyl stearate	*	1,300.000	J		
P2247-01	PL-02-04232024	Solid	n-Hexadecanoic acid	*	1,500.000	J		
P2247-01	PL-02-04232024	Solid	Nonadecane	*	1,000.000	J		
P2247-01	PL-02-04232024	Solid	Nonadecane, 2-methyl-	*	820.000	J		
P2247-01	PL-02-04232024	Solid	Pentadecane	*	1,200.000	J		
P2247-01	PL-02-04232024	Solid	Pentadecane, 8-hexyl-	*	1,300.000	J		
P2247-01	PL-02-04232024	Solid	Pentadecanoic acid, 14-methyl-, n	*	2,300.000	J		
P2247-01	PL-02-04232024	Solid	Tricosane, 2-methyl-	*	1,000.000	J		
P2247-01	PL-02-04232024	Solid	Tridecane	*	950.000	J		
P2247-01	PL-02-04232024	Solid	Tridecane, 3-methyl-	*	410.000	J		
P2247-01	PL-02-04232024	Solid	Undecane, 2,5-dimethyl-	*	750.000	J		
P2247-01	PL-02-04232024	Solid	unknown13.123	*	410.000	J		
Total Tics :					30,780.00			
P2247-01	PL-02-04232024	Solid	Benzo(a)anthracene	610.000	260		550	ug/Kg
P2247-01	PL-02-04232024	Solid	Benzo(a)pyrene	620.000	300		550	ug/Kg
P2247-01	PL-02-04232024	Solid	Benzo(b)fluoranthene	740.000	260		550	ug/Kg
P2247-01	PL-02-04232024	Solid	Benzo(g,h,i)perylene	290.000	J	260	550	ug/Kg
P2247-01	PL-02-04232024	Solid	Benzo(k)fluoranthene	360.000	J	270	550	ug/Kg
P2247-01	PL-02-04232024	Solid	Chrysene	600.000	260		550	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BG042424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2247-01	PL-02-04232024	Solid	Fluoranthene	1,200.000		260	550	ug/Kg
P2247-01	PL-02-04232024	Solid	Phenanthrene	620.000		270	550	ug/Kg
P2247-01	PL-02-04232024	Solid	Pyrene	1,100.000		270	550	ug/Kg
Total Svoc :				6,140.00				
Total Concentration:				36,920.00				
Client ID : PL-03-04232024								
P2247-04	PL-03-04232024	Solid	1-Iodo-2-methylundecane	*	1,700.000	J		
P2247-04	PL-03-04232024	Solid	9,12-Octadecadienoic acid, methy	*	5,600.000	J		
P2247-04	PL-03-04232024	Solid	cis-Methyl 11-eicosenoate	*	3,500.000	J		
P2247-04	PL-03-04232024	Solid	Dodecane, 1-iodo-	*	480.000	J		
P2247-04	PL-03-04232024	Solid	Heptacosane, 1-chloro-	*	460.000	J		
P2247-04	PL-03-04232024	Solid	Heptadecane	*	1,100.000	J		
P2247-04	PL-03-04232024	Solid	Heptadecane, 2-methyl-	*	1,100.000	J		
P2247-04	PL-03-04232024	Solid	Hexadecane	*	1,700.000	J		
P2247-04	PL-03-04232024	Solid	Hexadecanoic acid, methyl ester	*	1,000.000	J		
P2247-04	PL-03-04232024	Solid	Methyl stearate	*	560.000	J		
P2247-04	PL-03-04232024	Solid	Naphthalene, 1,2,3,4-tetrahydro-6,	*	510.000	J		
P2247-04	PL-03-04232024	Solid	Nonadecane	*	1,300.000	J		
P2247-04	PL-03-04232024	Solid	Octadecane	*	1,400.000	J		
P2247-04	PL-03-04232024	Solid	Oxalic acid, dodecyl isobutyl este	*	530.000	J		
P2247-04	PL-03-04232024	Solid	Pentadecane	*	1,700.000	J		
P2247-04	PL-03-04232024	Solid	Tetradecane, 3-methyl-	*	770.000	J		
P2247-04	PL-03-04232024	Solid	Tridecane	*	1,800.000	J		
P2247-04	PL-03-04232024	Solid	Undecane	*	620.000	J		
P2247-04	PL-03-04232024	Solid	Undecane, 2,6-dimethyl-	*	750.000	J		
P2247-04	PL-03-04232024	Solid	unknown13.124	*	520.000	J		
Total Tics :				27,100.00				
P2247-04	PL-03-04232024	Solid	Benzo(a)anthracene		300.000	J 250	530	ug/Kg
P2247-04	PL-03-04232024	Solid	Benzo(b)fluoranthene		420.000	J 250	530	ug/Kg
P2247-04	PL-03-04232024	Solid	Chrysene		380.000	J 250	530	ug/Kg
P2247-04	PL-03-04232024	Solid	Fluoranthene		710.000	250	530	ug/Kg
P2247-04	PL-03-04232024	Solid	Phenanthrene		450.000	J 260	530	ug/Kg
P2247-04	PL-03-04232024	Solid	Pyrene		620.000	260	530	ug/Kg
Total Svoc :				2,880.00				
Total Concentration:				29,980.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

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

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

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

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

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

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG042424 SAS No.: BG042424 SDG NO.: BG042424

EPA Sample No.: SSTDICCC040 Date Analyzed: Apr 24 2024 12:00AM

Lab File ID: BG060975.D Time Analyzed: 10:59

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	20618	7.943	82022	10.74	72860	14.57
UPPER LIMIT	41236	8.443	164044	11.24	145720	15.07
LOWER LIMIT	10309	7.443	41011	10.24	36430	14.07
EPA SAMPLE NO.						
01 PB160402TB	18600	7.94	75659	10.74	65583	14.57
02 PB160449BL	20519	7.94	77469	10.74	69450	14.57
03 PB160449BS	20657	7.94	86807	10.74	74169	14.58
04 STOCK-PILE	28176	7.94	109053	10.74	86809	14.57
05 TR-06-042224	31889	7.95	114490	10.74	84200	14.57
06 EXCAVATION-SOIL	26376	7.94	92696	10.74	73909	14.57
07 EXCAVATION-SOILMS	29070	7.94	104370	10.74	78714	14.58
08 EXCAVATION-SOILMSD	27933	7.95	121901	10.74	83358	14.58
09 AU-05-042324	30189	7.94	108024	10.74	81605	14.57
10 PL-02-04232024	29085	7.95	106377	10.74	77188	14.58
11 PL-03-04232024	27140	7.95	98270	10.74	72457	14.58

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG042424 SAS No.: BG042424 SDG NO.: BG042424

EPA Sample No.: SSTDCCC040 Date Analyzed: Apr 24 2024 12:00AM

Lab File ID: BG061019.D Time Analyzed: 10:59

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	23851	7.941	98655	10.74	82213	14.57
UPPER LIMIT	47702	8.441	197310	11.238	164426	15.074
LOWER LIMIT	11925.5	7.441	49327.5	10.238	41106.5	14.074
EPA SAMPLE NO.						
01 PB160402TB	18600	7.94	75659	10.74	65583	14.57
02 PB160449BL	20519	7.94	77469	10.74	69450	14.57
03 PB160449BS	20657	7.94	86807	10.74	74169	14.58
04 STOCK-PILE	28176	7.94	109053	10.74	86809	14.57
05 TR-06-042224	31889	7.95	114490	10.74	84200	14.57
06 EXCAVATION-SOIL	26376	7.94	92696	10.74	73909	14.57
07 EXCAVATION-SOILMS	29070	7.94	104370	10.74	78714	14.58
08 EXCAVATION-SOILMSD	27933	7.95	121901	10.74	83358	14.58
09 AU-05-042324	30189	7.94	108024	10.74	81605	14.57
10 PL-02-04232024	29085	7.95	106377	10.74	77188	14.58
11 PL-03-04232024	27140	7.95	98270	10.74	72457	14.58

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG042424 SAS No.: BG042424 SDG NO.: BG042424

EPA Sample No.: SSTDICCC040 Date Analyzed: Apr 24 2024 12:00AM

Lab File ID: BG060975.D Time Analyzed: 10:59

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	190054	17.32	189201	21.58	221856	24.7
UPPER LIMIT	380108	17.82	378402	22.08	443712	25.2
LOWER LIMIT	95027	16.82	94600.5	21.08	110928	24.2
EPA SAMPLE NO.						
01 PB160402TB	186517	17.32	196286	21.58	225418	24.70
02 PB160449BL	194310	17.32	205751	21.58	235963	24.71
03 PB160449BS	200893	17.32	200769	21.58	244014	24.70
04 STOCK-PILE	209457	17.32	222826	21.58	279660	24.71
05 TR-06-042224	186549	17.32	195202	21.58	233903	24.71
06 EXCAVATION-SOIL	174523	17.32	179970	21.58	225475	24.71
07 EXCAVATION-SOILMS	185031	17.32	199640	21.59	244085	24.72
08 EXCAVATION-SOILMSD	191612	17.33	210503	21.59	248725	24.72
09 AU-05-042324	182353	17.32	195175	21.58	222444	24.71
10 PL-02-04232024	169374	17.32	177762	21.58	185939	24.72
11 PL-03-04232024	161528	17.33	173635	21.58	169201	24.73

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG042424 SAS No.: BG042424 SDG NO.: BG042424

EPA Sample No.: SSTDCCC040 Date Analyzed: Apr 24 2024 12:00AM

Lab File ID: BG061019.D Time Analyzed: 10:59

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	205431	17.318	196415	21.584	232181	24.71
	UPPER LIMIT	410862	17.818	392830	22.084	464362	25.21
	LOWER LIMIT	102715.5	16.818	98207.5	21.084	116090.5	24.21
	EPA SAMPLE NO.						
01	PB160402TB	186517	17.32	196286	21.58	225418	24.70
02	PB160449BL	194310	17.32	205751	21.58	235963	24.71
03	PB160449BS	200893	17.32	200769	21.58	244014	24.70
04	STOCK-PILE	209457	17.32	222826	21.58	279660	24.71
05	TR-06-042224	186549	17.32	195202	21.58	233903	24.71
06	EXCAVATION-SOIL	174523	17.32	179970	21.58	225475	24.71
07	EXCAVATION-SOILMS	185031	17.32	199640	21.59	244085	24.72
08	EXCAVATION-SOILMSD	191612	17.33	210503	21.59	248725	24.72
09	AU-05-042324	182353	17.32	195175	21.58	222444	24.71
10	PL-02-04232024	169374	17.32	177762	21.58	185939	24.72
11	PL-03-04232024	161528	17.33	173635	21.58	169201	24.73

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.: BG042424

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB160449BS	n-Nitrosodimethylamine	1700	1700	ug/Kg	100				57	103	
	Pyridine	1700	1400	ug/Kg	82				28	98	
	Benzaldehyde	1700	0	ug/Kg	0		*		10	147	
	Aniline	1700	830	ug/Kg	49				38	100	
	Phenol	1700	1800	ug/Kg	106				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1800	ug/Kg	106				65	112	
	1,2-Dichlorobenzene	1700	1700	ug/Kg	100				51	102	
	1,3-Dichlorobenzene	1700	1700	ug/Kg	100		*		52	99	
	1,4-Dichlorobenzene	1700	1700	ug/Kg	100				52	100	
	Benzyl Alcohol	1700	1600	ug/Kg	94				42	116	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1500	ug/Kg	88				55	104	
	3+4-Methylphenols	1700	1600	ug/Kg	94				58	111	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95	
	Hexachloroethane	1700	1600	ug/Kg	94				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1300	ug/Kg	76				67	119	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				53	105	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	1,2,4-Trichlorobenzene	1700	1600	ug/Kg	94				44	110	
	Benzoic acid	1700	1600	ug/Kg	94				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	460	ug/Kg	27				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1600	ug/Kg	94				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	3600	ug/Kg	109				45	134	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1600	ug/Kg	94				61	99	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104	
	3-Nitroaniline	1700	770	ug/Kg	45				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Total PAH	27200	25600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3300	ug/Kg	100				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG042424

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160449BS	4-Nitrophenol	3300	3500	ug/Kg	106				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	2,4-Dinitrotoluene/2,6-Dinitroto	3400	3200	ug/Kg	94				60	106	
	Diethylphthalate	1700	1600	ug/Kg	94				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1600	ug/Kg	94				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				56	107	
	Azobenzene	1700	1500	ug/Kg	88				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				55	99	
	Hexachlorobenzene	1700	1700	ug/Kg	100		*		64	98	
	Atrazine	1700	1800	ug/Kg	106				67	113	
	Pentachlorophenol	3300	3300	ug/Kg	100				67	105	
	Phenanthrene	1700	1600	ug/Kg	94				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Benzidine	3300	1400	ug/Kg	42				10	98	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				55	103	
	3,3-Dichlorobenzidine	1700	1000	ug/Kg	59				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				63	111	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70	108	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1500	ug/Kg	88				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1700	ug/Kg	100				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160402TB

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG042424

SAS No.: BG042424 SDG NO.: BG042424

Lab File ID: BG061020.D

Lab Sample ID: PB160402TB

Instrument ID: BNA_G

Date Extracted: 04/22/2024

Matrix: (soil/water) water

Date Analyzed: 04/24/2024

Level: (low/med) LOW

Time Analyzed: 10:59

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160402TB	PB160402TB	BG061020.D	04/24/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160449BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG042424

SAS No.: BG042424 SDG NO.: BG042424

Lab File ID: BG061021.D

Lab Sample ID: PB160449BL

Instrument ID: BNA_G

Date Extracted: 04/23/2024

Matrix: (soil/water) Solid

Date Analyzed: 04/24/2024

Level: (low/med) LOW

Time Analyzed: 11:44

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160449BS	PB160449BS	BG061022.D	04/24/2024
STOCK-PILE	P2199-01	BG061023.D	04/24/2024
TR-06-042224	P2225-01	BG061024.D	04/24/2024
EXCAVATION-SOIL	P2228-01	BG061025.D	04/24/2024
EXCAVATION-SOILMS	P2228-01MS	BG061026.D	04/24/2024
EXCAVATION-SOILMSD	P2228-01MSD	BG061027.D	04/24/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

AU-05-042324

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG042424

SAS No.: BG042424 SDG NO.: BG042424

Lab File ID: BG061028.D

Lab Sample ID: P2240-02

Instrument ID: BNA_G

Date Extracted: 04/24/2024

Matrix: (soil/water) Solid

Date Analyzed: 04/24/2024

Level: (low/med) LOW

Time Analyzed: 18:14

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
AU-05-042324	P2240-02	BG061028.D	04/24/2024
PL-02-04232024	P2247-01	BG061029.D	04/24/2024
PL-03-04232024	P2247-04	BG061030.D	04/24/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG042424

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2228-01MS		Client Sample ID: EXCAVATION-SOILMS		DataFile: BG061026.D							
n-Nitrosodimethylamine	1100		930	ug/Kg	85				66	124	
Pyridine	1100		700	ug/Kg	64				45	119	
Benzaldehyde	1100		0	ug/Kg	0	*			26	163	
Aniline	1100		490	ug/Kg	45				10	88	
Phenol	1100		950	ug/Kg	86				67	126	
bis(2-Chloroethyl)ether	1100		1500	ug/Kg	136	*			74	116	
2-Chlorophenol	1100		1100	ug/Kg	100				61	138	
1,2-Dichlorobenzene	1100		990	ug/Kg	90				61	105	
1,3-Dichlorobenzene	1100		1000	ug/Kg	91				62	101	
1,4-Dichlorobenzene	1100		1000	ug/Kg	91				63	104	
Benzyl Alcohol	1100		870	ug/Kg	79				47	126	
2-Methylphenol	1100		810	ug/Kg	74				66	122	
2,2-oxybis(1-Chloropropane)	1100		890	ug/Kg	81				52	115	
Acetophenone	1100		920	ug/Kg	84				75	111	
3+4-Methylphenols	1100		810	ug/Kg	74				53	132	
N-Nitroso-di-n-propylamine	1100		780	ug/Kg	71				59	119	
Hexachloroethane	1100		990	ug/Kg	90				65	117	
Nitrobenzene	1100		930	ug/Kg	85				70	119	
Isophorone	1100		890	ug/Kg	81				76	122	
2-Nitrophenol	1100		930	ug/Kg	85				54	145	
2,4-Dimethylphenol	1100		750	ug/Kg	68	*			83	144	
bis(2-Chloroethoxy)methane	1100		880	ug/Kg	80				68	112	
2,4-Dichlorophenol	1100		940	ug/Kg	85				72	118	
1,2,4-Trichlorobenzene	1100		1100	ug/Kg	100				57	103	
Benzoic acid	1100		960	ug/Kg	87				50	104	
Naphthalene	1100		960	ug/Kg	87				72	110	
4-Chloroaniline	1100		500	ug/Kg	45				10	100	
Hexachlorobutadiene	1100		1100	ug/Kg	100				66	114	
Caprolactam	1100		820	ug/Kg	75				51	134	
4-Chloro-3-methylphenol	1100		870	ug/Kg	79				57	132	
2-Methylnaphthalene	1100		900	ug/Kg	82				59	123	
Hexachlorocyclopentadiene	2300		860	ug/Kg	37				10	175	
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	1100		990	ug/Kg	90				72	117	
1,1-Biphenyl	1100		1100	ug/Kg	100				75	113	
2-Chloronaphthalene	1100		1100	ug/Kg	100				67	118	
2-Nitroaniline	1100		930	ug/Kg	85				69	127	
Dimethylphthalate	1100		930	ug/Kg	85				70	113	
Acenaphthylene	1100		1000	ug/Kg	91				79	118	
2,6-Dinitrotoluene	1100		930	ug/Kg	85				70	125	
3-Nitroaniline	1100		760	ug/Kg	69				20	111	
Acenaphthene	1100	70.8	1100	ug/Kg	94				70	121	
Total PAH	17600	7200.8	22810	ug/Kg	89				70	121	
2,4-Dinitrophenol	2300		940	ug/Kg	41				16	160	
4-Nitrophenol	2300		2000	ug/Kg	87				45	133	
Dibenzofuran	1100	0	1000	ug/Kg	91				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG042424

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1100		940	ug/Kg	85				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1870	ug/Kg	85				55	128	
Diethylphthalate	1100		920	ug/Kg	84				70	112	
4-Chlorophenyl-phenylether	1100		940	ug/Kg	85				71	108	
Fluorene	1100	110	1100	ug/Kg	90				68	116	
4-Nitroaniline	1100		830	ug/Kg	75				55	120	
4,6-Dinitro-2-methylphenol	1100		570	ug/Kg	52				32	145	
N-Nitrosodiphenylamine	1100		1000	ug/Kg	91				73	118	
Azobenzene	1100		920	ug/Kg	84				73	110	
4-Bromophenyl-phenylether	1100		1000	ug/Kg	91				65	121	
Hexachlorobenzene	1100		1100	ug/Kg	100				67	118	
Atrazine	1100		1200	ug/Kg	109				79	127	
Pentachlorophenol	2300		2200	ug/Kg	96				47	128	
Phenanthrene	1100	1000	2000	ug/Kg	91				72	113	
Anthracene	1100	360	1400	ug/Kg	95				62	124	
Carbazole	1100	170	1200	ug/Kg	94				59	119	
Di-n-butylphthalate	1100		950	ug/Kg	86				69	118	
Fluoranthene	1100	1500	2500	ug/Kg	91				59	125	
Benzidine	2300		1300	ug/Kg	57				10	119	
Pyrene	1100	1200	2100	ug/Kg	82				52	128	
Butylbenzylphthalate	1100		950	ug/Kg	86				64	126	
3,3-Dichlorobenzidine	1100		870	ug/Kg	79				10	164	
Benzo(a)anthracene	1100	690	1700	ug/Kg	92				71	114	
Chrysene	1100	650	1600	ug/Kg	86				57	121	
bis(2-Ethylhexyl)phthalate	1100		930	ug/Kg	85				66	127	
Di-n-octyl phthalate	1100		970	ug/Kg	88				71	126	
Benzo(b)fluoranthene	1100	590	1600	ug/Kg	92				67	121	
Benzo(k)fluoranthene	1100	280	1400	ug/Kg	102				74	114	
Benzo(a)pyrene	1100	440	1500	ug/Kg	96				70	142	
Indeno(1,2,3-cd)pyrene	1100	140	980	ug/Kg	76				61	125	
Dibenz(a,h)anthracene	1100	0	960	ug/Kg	87				67	130	
Benzo(g,h,i)perylene	1100	170	910	ug/Kg	67				53	140	
1,2,4,5-Tetrachlorobenzene	1100		1200	ug/Kg	109				69	124	
1,4-Dioxane	1100		850	ug/Kg	77				46	112	
2,3,4,6-Tetrachlorophenol	1100		980	ug/Kg	89				56	133	
1-Methylnaphthalene	1100		900	ug/Kg	82				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG042424

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2228-01MSD		Client Sample ID: EXCAVATION-SOILMSD		DataFile: BG061027.D							
n-Nitrosodimethylamine	1100		920	ug/Kg	84		1		66	124	20
Pyridine	1100		720	ug/Kg	65		2		45	119	20
Benzaldehyde	1100		0	ug/Kg	0	*			26	163	20
Aniline	1100		540	ug/Kg	49		9		10	88	20
Phenol	1100		1000	ug/Kg	91		6		67	126	20
bis(2-Chloroethyl)ether	1100		1500	ug/Kg	136	*	0		74	116	20
2-Chlorophenol	1100		1000	ug/Kg	91		9		61	138	20
1,2-Dichlorobenzene	1100		1100	ug/Kg	100		11		61	105	20
1,3-Dichlorobenzene	1100		1000	ug/Kg	91		0		62	101	20
1,4-Dichlorobenzene	1100		1000	ug/Kg	91		0		63	104	20
Benzyl Alcohol	1100		990	ug/Kg	90		13		47	126	20
2-Methylphenol	1100		950	ug/Kg	86		15		66	122	20
2,2-oxybis(1-Chloropropane)	1100		1000	ug/Kg	91		12		52	115	20
Acetophenone	1100		890	ug/Kg	81		4		75	111	20
3+4-Methylphenols	1100		950	ug/Kg	86		15		53	132	20
N-Nitroso-di-n-propylamine	1100		930	ug/Kg	85		18		59	119	20
Hexachloroethane	1100		1200	ug/Kg	109		19		65	117	20
Nitrobenzene	1100		870	ug/Kg	79		7		70	119	20
Isophorone	1100		850	ug/Kg	77		5		76	122	20
2-Nitrophenol	1100		960	ug/Kg	87		2		54	145	20
2,4-Dimethylphenol	1100		730	ug/Kg	66	*	3		83	144	20
bis(2-Chloroethoxy)methane	1100		880	ug/Kg	80		0		68	112	20
2,4-Dichlorophenol	1100		950	ug/Kg	86		1		72	118	20
1,2,4-Trichlorobenzene	1100		1000	ug/Kg	91		9		57	103	20
Benzoic acid	1100		930	ug/Kg	85		2		50	104	20
Naphthalene	1100		930	ug/Kg	85		2		72	110	20
4-Chloroaniline	1100		490	ug/Kg	45		0		10	100	20
Hexachlorobutadiene	1100		1000	ug/Kg	91		9		66	114	20
Caprolactam	1100		780	ug/Kg	71		5		51	134	20
4-Chloro-3-methylphenol	1100		860	ug/Kg	78		1		57	132	20
2-Methylnaphthalene	1100		800	ug/Kg	73		12		59	123	20
Hexachlorocyclopentadiene	2300		780	ug/Kg	34		8		10	175	20
2,4,6-Trichlorophenol	1100		1000	ug/Kg	91		9		72	117	20
2,4,5-Trichlorophenol	1100		910	ug/Kg	83		8		72	117	20
1,1-Biphenyl	1100		1000	ug/Kg	91		9		75	113	20
2-Chloronaphthalene	1100		1000	ug/Kg	91		9		67	118	20
2-Nitroaniline	1100		880	ug/Kg	80		6		69	127	20
Dimethylphthalate	1100		910	ug/Kg	83		2		70	113	20
Acenaphthylene	1100		1000	ug/Kg	91		0		79	118	20
2,6-Dinitrotoluene	1100		910	ug/Kg	83		2		70	125	20
3-Nitroaniline	1100		720	ug/Kg	65		6		20	111	20
Acenaphthene	1100	70.8	1000	ug/Kg	84		11		70	121	20
Total PAH	17600	7200.8	22310	ug/Kg	86		3		70	121	20
2,4-Dinitrophenol	2300		900	ug/Kg	39		5		16	160	20
4-Nitrophenol	2300		1900	ug/Kg	83		5		45	133	20
Dibenzofuran	1100	0	970	ug/Kg	88		3		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG042424

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1100		890	ug/Kg	81		5		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1800	ug/Kg	82		4		55	128	20
Diethylphthalate	1100		870	ug/Kg	79		6		70	112	20
4-Chlorophenyl-phenylether	1100		890	ug/Kg	81		5		71	108	20
Fluorene	1100	110	1000	ug/Kg	81		11		68	116	20
4-Nitroaniline	1100		760	ug/Kg	69		8		55	120	20
4,6-Dinitro-2-methylphenol	1100		550	ug/Kg	50		4		32	145	20
N-Nitrosodiphenylamine	1100		1000	ug/Kg	91		0		73	118	20
Azobenzene	1100		870	ug/Kg	79		6		73	110	20
4-Bromophenyl-phenylether	1100		1000	ug/Kg	91		0		65	121	20
Hexachlorobenzene	1100		1100	ug/Kg	100		0		67	118	20
Atrazine	1100		1100	ug/Kg	100		9		79	127	20
Pentachlorophenol	2300		2100	ug/Kg	91		5		47	128	20
Phenanthrene	1100	1000	2000	ug/Kg	91		0		72	113	20
Anthracene	1100	360	1300	ug/Kg	85		11		62	124	20
Carbazole	1100	170	1100	ug/Kg	85		10		59	119	20
Di-n-butylphthalate	1100		930	ug/Kg	85		1		69	118	20
Fluoranthene	1100	1500	2600	ug/Kg	100		9		59	125	20
Benzydine	2300		1400	ug/Kg	61		7		10	119	20
Pyrene	1100	1200	2100	ug/Kg	82		0		52	128	20
Butylbenzylphthalate	1100		900	ug/Kg	82		5		64	126	20
3,3-Dichlorobenzidine	1100		870	ug/Kg	79		0		10	164	20
Benzo(a)anthracene	1100	690	1700	ug/Kg	92		0		71	114	20
Chrysene	1100	650	1600	ug/Kg	86		0		57	121	20
bis(2-Ethylhexyl)phthalate	1100		930	ug/Kg	85		0		66	127	20
Di-n-octyl phthalate	1100		950	ug/Kg	86		2		71	126	20
Benzo(b)fluoranthene	1100	590	1600	ug/Kg	92		0		67	121	20
Benzo(k)fluoranthene	1100	280	1300	ug/Kg	93		9		74	114	20
Benzo(a)pyrene	1100	440	1400	ug/Kg	87		10		70	142	20
Indeno(1,2,3-cd)pyrene	1100	140	1000	ug/Kg	78		3		61	125	20
Dibenz(a,h)anthracene	1100	0	900	ug/Kg	82		6		67	130	20
Benzo(g,h,i)perylene	1100	170	880	ug/Kg	65		3		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		1100	ug/Kg	100		9		69	124	20
1,4-Dioxane	1100		830	ug/Kg	75		3		46	112	20
2,3,4,6-Tetrachlorophenol	1100		930	ug/Kg	85		5		56	133	20
1-Methylnaphthalene	1100		790	ug/Kg	72		13		70	130	20



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

Surrogate Summary

SW-846

SDG No.: BG042424

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160402TB	PB160402TB	BG061020.D	2-Fluorophenol	150	148.70	99		10	139
			Phenol-d6	150	134.65	90		10	134
			Nitrobenzene-d5	100	75.20	75		49	133
			2-Fluorobiphenyl	100	84.23	84		52	132
			2,4,6-Tribromophenol	150	133.73	89		32	145
			Terphenyl-d14	100	86.26	86		36	145

Surrogate Summary

SW-846

SDG No.: **BG042424**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2199-01	STOCK-PILE	BG061023.D	2-Fluorophenol	150	120.65	80		18	112
			Phenol-d6	150	106.50	71		15	107
			Nitrobenzene-d5	100	65.36	65		18	107
			2-Fluorobiphenyl	100	72.89	73		20	109
			2,4,6-Tribromophenol	150	104.59	70		10	110
			Terphenyl-d14	100	67.76	68		14	112
P2225-01	TR-06-042224	BG061024.D	2-Fluorophenol	150	76.12	51		18	112
			Phenol-d6	150	66.81	45		15	107
			Nitrobenzene-d5	100	44.94	45		18	107
			2-Fluorobiphenyl	100	50.64	51		20	109
			2,4,6-Tribromophenol	150	63.80	43		10	110
			Terphenyl-d14	100	45.77	46		14	112
P2228-01	EXCAVATION-SOIBG061025.D	BG061025.D	2-Fluorophenol	150	120.54	80		18	112
			Phenol-d6	150	108.43	72		15	107
			Nitrobenzene-d5	100	68.76	69		18	107
			2-Fluorobiphenyl	100	68.00	68		20	109
			2,4,6-Tribromophenol	150	102.39	68		10	110
			Terphenyl-d14	100	59.32	59		14	112
P2228-01MS	EXCAVATION-SOIBG061026.D	BG061026.D	2-Fluorophenol	150	127.87	85		18	112
			Phenol-d6	150	102.34	68		15	107
			Nitrobenzene-d5	100	67.51	68		18	107
			2-Fluorobiphenyl	100	72.99	73		20	109
			2,4,6-Tribromophenol	150	105.60	70		10	110
			Terphenyl-d14	100	60.11	60		14	112
P2228-01MSD	EXCAVATION-SOIBG061027.D	BG061027.D	2-Fluorophenol	150	128.67	86		18	112
			Phenol-d6	150	109.23	73		15	107
			Nitrobenzene-d5	100	65.46	65		18	107
			2-Fluorobiphenyl	100	68.25	68		20	109
			2,4,6-Tribromophenol	150	102.29	68		10	110
			Terphenyl-d14	100	59.70	60		14	112
PB160449BL	PB160449BL	BG061021.D	2-Fluorophenol	150	150.67	100		18	112
			Phenol-d6	150	135.79	91		15	107
			Nitrobenzene-d5	100	81.17	81		18	107
			2-Fluorobiphenyl	100	85.61	86		20	109
			2,4,6-Tribromophenol	150	141.31	94		10	110
			Terphenyl-d14	100	87.15	87		14	112
PB160449BS	PB160449BS	BG061022.D	2-Fluorophenol	150	163.07	109		18	112
			Phenol-d6	150	146.02	97		15	107
			Nitrobenzene-d5	100	79.76	80		18	107
			2-Fluorobiphenyl	100	87.45	87		20	109
			2,4,6-Tribromophenol	150	141.36	94		10	110
			Terphenyl-d14	100	89.09	89		14	112

Surrogate Summary

SW-846

SDG No.: **BG042424**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2240-02	AU-05-042324	BG061028.D	2-Fluorophenol	150	88.97	59		18	112
			Phenol-d6	150	78.76	53		15	107
			Nitrobenzene-d5	100	52.66	53		18	107
			2-Fluorobiphenyl	100	57.76	58		20	109
			2,4,6-Tribromophenol	150	77.53	52		10	110
			Terphenyl-d14	100	51.70	52		14	112
P2247-01	PL-02-04232024	BG061029.D	2-Fluorophenol	150	93.02	62		18	112
			Phenol-d6	150	81.98	55		15	107
			Nitrobenzene-d5	100	55.55	56		18	107
			2-Fluorobiphenyl	100	57.46	57		20	109
			2,4,6-Tribromophenol	150	76.80	51		10	110
			Terphenyl-d14	100	53.65	54		14	112
P2247-04	PL-03-04232024	BG061030.D	2-Fluorophenol	150	89.71	60		18	112
			Phenol-d6	150	76.33	51		15	107
			Nitrobenzene-d5	100	55.15	55		18	107
			2-Fluorobiphenyl	100	67.43	67		20	109
			2,4,6-Tribromophenol	150	43.07	29		10	110
			Terphenyl-d14	100	54.29	54		14	112

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BG042424

Lab Code: CHEM

SAS No.: BG042424

SDG NO.: BG042424

Lab File ID: BG061018.D

DFTPP Injection Date: 04/24/2024

Instrument ID: BNA_G

DFTPP Injection Time: 09:36

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	0.0 (0.0) 1
69	Mass 69 relative abundance	21.9
70	Less than 2.0% of mass 69	0.1 (0.6) 1
127	10.0 - 80.0% of mass 198	27
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5
275	10.0 - 60.0% of mass 198	27.3
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	15.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	20 (20) 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	BG061019.D	04/24/2024	10:17
PB160402TB	PB160402TB	BG061020.D	04/24/2024	10:59
PB160449BL	PB160449BL	BG061021.D	04/24/2024	11:44
PB160449BS	PB160449BS	BG061022.D	04/24/2024	12:25
STOCK-PILE	P2199-01	BG061023.D	04/24/2024	13:18
TR-06-042224	P2225-01	BG061024.D	04/24/2024	14:00
EXCAVATION-SOIL	P2228-01	BG061025.D	04/24/2024	14:42
EXCAVATION-SOILMS	P2228-01MS	BG061026.D	04/24/2024	15:24
EXCAVATION-SOILMSD	P2228-01MSD	BG061027.D	04/24/2024	16:06
AU-05-042324	P2240-02	BG061028.D	04/24/2024	18:14
PL-02-04232024	P2247-01	BG061029.D	04/24/2024	18:56
PL-03-04232024	P2247-04	BG061030.D	04/24/2024	19:38