

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG050824 SAS No.: BG050824 SDG No.: BG050824

Instrument ID: BNA_G Calibration Date/Time: 5/8/2024 12:11:37

Lab File ID: BG061138.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	1.124	0.930		-17.26	
Pyridine	1.170	1.008		-13.846	
2-Fluorophenol	0.983	1.019		3.662	
Benzaldehyde	0.820	0.887		8.171	
Aniline	1.442	1.374		-4.716	
Phenol-d6	1.455	1.420		-2.405	
Phenol	1.479	1.458		-1.42	20.0
bis(2-Chloroethyl) ether	1.022	1.017		-0.489	
2-Chlorophenol	1.206	1.185		-1.741	
1,2-Dichlorobenzene	1.418	1.433		1.058	
1,3-Dichlorobenzene	1.422	1.416		-0.422	
1,4-Dichlorobenzene	1.470	1.446		-1.633	20.0
Benzyl Alcohol	1.312	1.228		-6.402	
2-Methylphenol	1.054	1.022		-3.036	
2,2-oxybis(1-Chloropropane)	2.218	2.291		3.291	
Acetophenone	0.498	0.504		1.205	
3+4-Methylphenols	1.521	1.444		-5.062	
n-Nitroso-di-n-propylamine	1.089	1.028	0.050	-5.601	
Nitrobenzene-d5	0.403	0.407		0.993	
Hexachloroethane	0.525	0.553		5.333	
Nitrobenzene	0.395	0.401		1.519	
Isophorone	0.746	0.708		-5.094	
2-Nitrophenol	0.187	0.191		2.139	20.0
2,4-Dimethylphenol	0.216	0.213		-1.389	
bis(2-Chloroethoxy) methane	0.366	0.370		1.093	
2,4-Dichlorophenol	0.338	0.326		-3.55	20.0
1,2,4-Trichlorobenzene	0.407	0.404		-0.737	
Benzoic acid	0.249	0.171		-31.325	
Naphthalene	1.039	1.027		-1.155	
4-Chloroaniline	0.415	0.387		-6.747	
Hexachlorobutadiene	0.349	0.366		4.871	20.0
Caprolactam	0.122	0.099		-18.852	
4-Chloro-3-methylphenol	0.407	0.369		-9.337	20.0
2-Methylnaphthalene	0.779	0.730		-6.29	
Hexachlorocyclopentadiene	0.256	0.271	0.050	5.859	
2,4,6-Trichlorophenol	0.429	0.420		-2.098	20.0
2-Fluorobiphenyl	1.353	1.420		4.952	
2,4,5-Trichlorophenol	0.485	0.459		-5.361	
1,1-Biphenyl	1.282	1.310		2.184	

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Instrument ID: BNA_G Calibration Date/Time: 5/8/2024 12:11:37

Lab File ID: BG061138.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	1.027	1.055		2.726	
2-Nitroaniline	0.381	0.382		0.262	
Dimethylphthalate	1.545	1.459		-5.566	
Acenaphthylene	1.577	1.581		0.254	
2,6-Dinitrotoluene	0.330	0.327		-0.909	
3-Nitroaniline	0.302	0.281		-6.954	
Acenaphthene	0.984	0.973		-1.118	20.0
2,4-Dinitrophenol	0.213	0.186	0.050	-12.676	
4-Nitrophenol	0.244	0.216	0.050	-11.475	
Dibenzofuran	1.662	1.629		-1.986	
2,4-Dinitrotoluene	0.489	0.473		-3.272	
Diethylphthalate	1.558	1.420		-8.858	
4-Chlorophenyl-phenylether	0.863	0.838		-2.897	
Fluorene	1.438	1.384		-3.755	
4-Nitroaniline	0.328	0.320		-2.439	
4,6-Dinitro-2-methylphenol	0.124	0.130		4.839	
n-Nitrosodiphenylamine	0.496	0.499		0.605	20.0
Azobenzene	1.213	1.164		-4.04	
2,4,6-Tribromophenol	0.400	0.362		-9.5	
4-Bromophenyl-phenylether	0.236	0.245		3.814	
Hexachlorobenzene	0.293	0.298		1.706	
Atrazine	0.205	0.183		-10.732	
Pentachlorophenol	0.180	0.166		-7.778	20.0
Phenanthrene	0.914	0.895		-2.079	
Anthracene	0.913	0.896		-1.862	
Carbazole	0.802	0.803		0.125	
Di-n-butylphthalate	0.954	0.944		-1.048	
Fluoranthene	1.253	1.234		-1.516	20.0
Benzidine	0.328	0.367		11.89	
Pyrene	1.272	1.268		-0.314	
Terphenyl-d14	1.203	1.188		-1.247	
Butylbenzylphthalate	0.402	0.396		-1.493	
3,3-Dichlorobenzidine	0.471	0.463		-1.699	
Benzo(a)anthracene	1.309	1.297		-0.917	
Chrysene	1.226	1.213		-1.06	
Bis(2-ethylhexyl)phthalate	0.526	0.546		3.802	
Di-n-octyl phthalate	0.927	0.918		-0.971	20.0
Benzo(b)fluoranthene	1.118	1.108		-0.894	
Benzo(k)fluoranthene	1.075	1.059		-1.488	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BG050824 SAS No.: BG050824 SDG No.: BG050824
 Instrument ID: BNA_G Calibration Date/Time: 5/8/2024 12:11:37
 Lab File ID: BG061138.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	0.974	0.965		-0.924	20.0
Indeno(1,2,3-cd)pyrene	1.325	1.319		-0.453	
Dibenzo(a,h)anthracene	1.098	1.085		-1.184	
Benzo(g,h,i)perylene	1.091	1.086		-0.458	
1,2,4,5-Tetrachlorobenzene	0.667	0.698		4.648	
1,4-Dioxane	0.398	0.356		-10.553	20.0
2,3,4,6-Tetrachlorophenol	0.499	0.443		-11.222	
1-Methylnaphthalene	0.784	0.731		-6.76	

All other compounds must meet a minimum RRF of 0.010.



Client:				Date Collected:	5/7/2024 12:00:00 AM	
Project:				Date Received:	5/7/2024 12:00:00 AM	
Client Sample ID:	PB160756BL			SDG No.:	BG050824	
Lab Sample ID:	PB160756BL			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
BG061139.D	1	5/7/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160756

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

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	PB160756BL	SDG No.:	BG050824
Lab Sample ID:	PB160756BL	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
BG061139.D	1	5/7/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160756

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
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169.2	U	169.2	130	340	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:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	PB160756BL	SDG No.:	BG050824
Lab Sample ID:	PB160756BL	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
BG061139.D	1	5/7/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160756

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	163.625		18-112		109	SPK: -150
13127-88-3	Phenol-d6	146.572		15-107		98	SPK: -150
4165-60-0	Nitrobenzene-d5	92.214		18-107		92	SPK: -100
321-60-8	2-Fluorobiphenyl	89.27		20-109		89	SPK: -100

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	PB160756BL	SDG No.:	BG050824
Lab Sample ID:	PB160756BL	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
BG061139.D	1	5/7/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160756

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	133.093		10-110		89	SPK: -150
1718-51-0	Terphenyl-d14	89.052		14-112		89	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	16801	7.942				
1146-65-2	Naphthalene-d8	66409	10.733				
15067-26-2	Acenaphthene-d10	56901	14.569				
1517-22-2	Phenanthrene-d10	158410	17.319				
1719-03-5	Chrysene-d12	185079	21.573				
1520-96-3	Perylene-d12	211854	24.71				

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	TOP-SOIL-1	SDG No.:	BG050824
Lab Sample ID:	P2404-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.7
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
BG061140.D	1	5/8/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	100	U	100	320	390	ug/Kg
110-86-1	Pyridine	93.5	U	93.5	150	200	ug/Kg
100-52-7	Benzaldehyde	210	U	210	320	390	ug/Kg
62-53-3	Aniline	110	U	110	150	200	ug/Kg
108-95-2	Phenol	97	U	97	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	97.9	U	97.9	150	200	ug/Kg
95-57-8	2-Chlorophenol	97.7	U	97.7	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	99	U	99	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	100	U	100	150	200	ug/Kg
100-51-6	Benzyl Alcohol	97.1	U	97.1	320	390	ug/Kg
95-48-7	2-Methylphenol	94.3	U	94.3	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	93.4	U	93.4	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.2	U	47.2	93.6	93.6	ug/Kg
67-72-1	Hexachloroethane	97.1	U	97.1	150	200	ug/Kg
98-95-3	Nitrobenzene	110	U	110	150	200	ug/Kg
78-59-1	Isophorone	99	U	99	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	100	U	100	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	88.3	U	88.3	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	99.9	U	99.9	150	200	ug/Kg
65-85-0	Benzoic acid	280	U	280	320	390	ug/Kg
91-20-3	Naphthalene	96.6	U	96.6	150	200	ug/Kg
106-47-8	4-Chloroaniline	96.6	U	96.6	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	97.5	U	97.5	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	TOP-SOIL-1	SDG No.:	BG050824
Lab Sample ID:	P2404-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.7
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
BG061140.D	1	5/8/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	100	U	100	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	90.7	U	90.7	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	96.5	U	96.5	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	83.5	U	83.5	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	86.6	U	86.6	150	200	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	97.5	U	97.5	150	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	200	ug/Kg
131-11-3	Dimethylphthalate	95.6	U	95.6	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	97.3	U	97.3	150	200	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	150	200	ug/Kg
83-32-9	Acenaphthene	94.9	U	94.9	150	200	ug/Kg
Total PAH	Total PAH	1550.2	U	1550.2	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	320	390	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	320	390	ug/Kg
132-64-9	Dibenzofuran	98.7	U	98.7	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	97.3	U	197.3	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	150	200	ug/Kg
84-66-2	Diethylphthalate	93.7	U	93.7	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	200	ug/Kg
86-73-7	Fluorene	100	U	100	150	200	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	95.5	U	95.5	150	200	ug/Kg
103-33-3	Azobenzene	93.1	U	93.1	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	92.3	U	92.3	150	200	ug/Kg
118-74-1	Hexachlorobenzene	99.4	U	99.4	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg

Report of Analysis

Client:				Date Collected:	5/7/2024 12:00:00 AM		
Project:				Date Received:	5/7/2024 12:00:00 AM		
Client Sample ID:	TOP-SOIL-1			SDG No.:	BG050824		
Lab Sample ID:	P2404-02			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	14.7		
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :				Decanted :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061140.D	1	5/8/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	90.4	U	90.4	320	390	ug/Kg
85-01-8	Phenanthrene	98.3	U	98.3	150	200	ug/Kg
120-12-7	Anthracene	98.7	U	98.7	150	200	ug/Kg
86-74-8	Carbazole	94	U	94	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	98.6	U	98.6	150	200	ug/Kg
206-44-0	Fluoranthene	130	J	95.6	150	200	ug/Kg
92-87-5	Benzidine	190	U	190	320	390	ug/Kg
129-00-0	Pyrene	120	J	97.1	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	94.4	U	94.4	150	200	ug/Kg
218-01-9	Chrysene	93	U	93	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	J	94.9	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	96.6	U	96.6	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	91.4	U	91.4	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	95	U	95	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	93.7	U	93.7	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	87.4	U	87.4	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	97.3	U	97.3	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	101.691		18-112		68	SPK: -150
13127-88-3	Phenol-d6	94.145		15-107		63	SPK: -150
4165-60-0	Nitrobenzene-d5	61.568		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	64.321		20-109		64	SPK: -100

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	TOP-SOIL-1	SDG No.:	BG050824
Lab Sample ID:	P2404-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.7
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
BG061140.D	1	5/8/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	88.561		10-110		59	SPK: -150
1718-51-0	Terphenyl-d14	55.491		14-112		55	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	27014	7.934				
1146-65-2	Naphthalene-d8	106238	10.725				
15067-26-2	Acenaphthene-d10	79760	14.562				
1517-22-2	Phenanthrene-d10	184012	17.311				
1719-03-5	Chrysene-d12	180829	21.571				
1520-96-3	Perylene-d12	220278	24.697				
TENTATIVE IDENTIFIED COMPOUNDS							
000763-29-1	1-Pentene, 2-methyl-	81.1	J			3.069	
000994-05-8	Butane, 2-methoxy-2-methyl-	1600	J			3.152	
000057-10-3	n-Hexadecanoic acid	400	J			18.21	
000544-63-8	Tetradecanoic acid	82.7	J			19.485	
	unknown19.638	79.9	J			19.638	
000511-15-9	2-Phenanthrenol, 4b,5,6,7,8,8a,9,1	79.9	J			20.578	
	unknown20.619	96.3	J			20.619	
003452-07-1	1-Eicosene	200	J			21.242	

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	TOP-SOIL-2	SDG No.:	BG050824
Lab Sample ID:	P2404-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.5
Sample Wt/Vol:	30.03	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
BG061141.D	1	5/8/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	340	410	ug/Kg
110-86-1	Pyridine	100	U	100	160	210	ug/Kg
100-52-7	Benzaldehyde	230	U	230	340	410	ug/Kg
62-53-3	Aniline	120	U	120	160	210	ug/Kg
108-95-2	Phenol	100	U	100	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	160	210	ug/Kg
95-57-8	2-Chlorophenol	100	U	100	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	160	210	ug/Kg
100-51-6	Benzyl Alcohol	100	U	100	340	410	ug/Kg
95-48-7	2-Methylphenol	100	U	100	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	160	210	ug/Kg
98-86-2	Acetophenone	110	U	110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	340	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.6	U	50.6	100	100	ug/Kg
67-72-1	Hexachloroethane	100	U	100	160	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	160	210	ug/Kg
78-59-1	Isophorone	110	U	110	160	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	94.9	U	94.9	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	160	210	ug/Kg
65-85-0	Benzoic acid	300	U	300	340	410	ug/Kg
91-20-3	Naphthalene	100	U	100	160	210	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	TOP-SOIL-2	SDG No.:	BG050824
Lab Sample ID:	P2404-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.5
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
BG061141.D	1	5/8/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	340	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	97.4	U	97.4	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	340	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	89.7	U	89.7	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	93	U	93	160	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	210	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	160	210	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	100	U	100	160	210	ug/Kg
Total PAH	Total PAH	1658	U	1658	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	310	340	410	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	340	410	ug/Kg
132-64-9	Dibenzofuran	110	U	110	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	160	420	ug/Kg
84-66-2	Diethylphthalate	100	U	100	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	210	ug/Kg
86-73-7	Fluorene	110	U	110	160	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	340	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	160	210	ug/Kg
103-33-3	Azobenzene	100	U	100	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	99.1	U	99.1	160	210	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	160	210	ug/Kg
1912-24-9	Atrazine	110	U	110	160	210	ug/Kg

Report of Analysis

Client:				Date Collected:	5/7/2024 12:00:00 AM		
Project:				Date Received:	5/7/2024 12:00:00 AM		
Client Sample ID:	TOP-SOIL-2			SDG No.:	BG050824		
Lab Sample ID:	P2404-04			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	20.5		
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :				Decanted :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061141.D	1	5/8/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	97.1	U	97.1	340	410	ug/Kg
85-01-8	Phenanthrene	110	U	110	160	210	ug/Kg
120-12-7	Anthracene	110	U	110	160	210	ug/Kg
86-74-8	Carbazole	100	U	100	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	160	210	ug/Kg
206-44-0	Fluoranthene	100	U	100	160	210	ug/Kg
92-87-5	Benzidine	200	U	200	340	410	ug/Kg
129-00-0	Pyrene	100	U	100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	340	410	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	160	210	ug/Kg
218-01-9	Chrysene	99.9	U	99.9	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	340	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	98.1	U	98.1	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	93.9	U	93.9	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	86.162		18-112		57	SPK: -150
13127-88-3	Phenol-d6	80.479		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	54.729		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	53.065		20-109		53	SPK: -100

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	TOP-SOIL-2	SDG No.:	BG050824
Lab Sample ID:	P2404-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.5
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
BG061141.D	1	5/8/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	72.068		10-110		48	SPK: -150
1718-51-0	Terphenyl-d14	48.088		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	26700	7.934				
1146-65-2	Naphthalene-d8	101852	10.725				
15067-26-2	Acenaphthene-d10	79837	14.561				
1517-22-2	Phenanthrene-d10	180495	17.311				
1719-03-5	Chrysene-d12	173618	21.571				
1520-96-3	Perylene-d12	211919	24.697				
TENTATIVE IDENTIFIED COMPOUNDS							
000763-29-1	1-Pentene, 2-methyl-	98	J			3.081	
000994-05-8	Butane, 2-methoxy-2-methyl-	1600	J			3.157	
000057-10-3	n-Hexadecanoic acid	140	J			18.21	
003452-07-1	1-Eicosene	180	J			21.236	

Report of Analysis

Client:				Date Collected:	5/7/2024 12:00:00 AM		
Project:				Date Received:	5/7/2024 12:00:00 AM		
Client Sample ID:	TOP-SOIL-3			SDG No.:	BG050824		
Lab Sample ID:	P2404-06			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	13.2		
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:				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
BG061142.D	1	5/8/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	99.8	U	99.8	310	380	ug/Kg
110-86-1	Pyridine	91.9	U	91.9	150	200	ug/Kg
100-52-7	Benzaldehyde	210	U	210	310	380	ug/Kg
62-53-3	Aniline	110	U	110	150	200	ug/Kg
108-95-2	Phenol	95.3	U	95.3	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	96.3	U	96.3	150	200	ug/Kg
95-57-8	2-Chlorophenol	96	U	96	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	97.3	U	97.3	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	98.9	U	98.9	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	99.5	U	99.5	150	200	ug/Kg
100-51-6	Benzyl Alcohol	95.5	U	95.5	310	380	ug/Kg
95-48-7	2-Methylphenol	92.7	U	92.7	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	150	200	ug/Kg
98-86-2	Acetophenone	99.9	U	99.9	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	91.8	U	91.8	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	46.4	U	46.4	92	92	ug/Kg
67-72-1	Hexachloroethane	95.5	U	95.5	150	200	ug/Kg
98-95-3	Nitrobenzene	100	U	100	150	200	ug/Kg
78-59-1	Isophorone	97.3	U	97.3	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	98.7	U	98.7	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	86.8	U	86.8	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	98.2	U	98.2	150	200	ug/Kg
65-85-0	Benzoic acid	270	U	270	310	380	ug/Kg
91-20-3	Naphthalene	95	U	95	150	200	ug/Kg
106-47-8	4-Chloroaniline	95	U	95	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	95.8	U	95.8	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	TOP-SOIL-3	SDG No.:	BG050824
Lab Sample ID:	P2404-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.2
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061142.D	1	5/8/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	99.8	U	99.8	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	89.1	U	89.1	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	94.9	U	94.9	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	82.1	U	82.1	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	85.1	U	85.1	150	200	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	95.8	U	95.8	150	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	200	ug/Kg
131-11-3	Dimethylphthalate	94	U	94	150	200	ug/Kg
208-96-8	Acenaphthylene	99.5	U	99.5	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	95.7	U	95.7	150	200	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	150	200	ug/Kg
83-32-9	Acenaphthene	93.3	U	93.3	150	200	ug/Kg
Total PAH	Total PAH	1527.1	U	1527.1	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	310	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	380	ug/Kg
132-64-9	Dibenzofuran	97.1	U	97.1	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	194.8	U	194.8	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.1	U	99.1	150	200	ug/Kg
84-66-2	Diethylphthalate	92.1	U	92.1	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	98.5	U	98.5	150	200	ug/Kg
86-73-7	Fluorene	98.3	U	98.3	150	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.9	U	93.9	150	200	ug/Kg
103-33-3	Azobenzene	91.6	U	91.6	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	90.7	U	90.7	150	200	ug/Kg
118-74-1	Hexachlorobenzene	97.8	U	97.8	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	TOP-SOIL-3	SDG No.:	BG050824
Lab Sample ID:	P2404-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061142.D	1	5/8/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	88.9	U	88.9	310	380	ug/Kg
85-01-8	Phenanthrene	96.6	U	96.6	150	200	ug/Kg
120-12-7	Anthracene	97.1	U	97.1	150	200	ug/Kg
86-74-8	Carbazole	92.4	U	92.4	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	97	U	97	150	200	ug/Kg
206-44-0	Fluoranthene	170	J	94	150	200	ug/Kg
92-87-5	Benzidine	190	U	190	310	380	ug/Kg
129-00-0	Pyrene	150	J	95.5	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	92.8	U	92.8	150	200	ug/Kg
218-01-9	Chrysene	100	J	91.4	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	J	93.3	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	95	U	95	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	89.8	U	89.8	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	93.4	U	93.4	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.1	U	92.1	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	99.8	U	99.8	150	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	85.9	U	85.9	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	95.7	U	95.7	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.479		18-112		56	SPK: -150
13127-88-3	Phenol-d6	77.553		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	48.825		18-107		49	SPK: -100
321-60-8	2-Fluorobiphenyl	51.59		20-109		52	SPK: -100

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	TOP-SOIL-3	SDG No.:	BG050824
Lab Sample ID:	P2404-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.2
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061142.D	1	5/8/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	70.019		10-110		47	SPK: -150
1718-51-0	Terphenyl-d14	46.735		14-112		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	24829	7.936				
1146-65-2	Naphthalene-d8	97160	10.727				
15067-26-2	Acenaphthene-d10	72632	14.563				
1517-22-2	Phenanthrene-d10	167736	17.313				
1719-03-5	Chrysene-d12	162483	21.573				
1520-96-3	Perylene-d12	196793	24.699				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1300	J			3.159	
000638-53-9	Tridecanoic acid	120	J			18.212	
	unknown21.238	92	J			21.238	

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	BIN-1	SDG No.:	BG050824
Lab Sample ID:	P2408-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061143.D	1	5/8/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	63.3	U	63.3	200	240	ug/Kg
110-86-1	Pyridine	58.2	U	58.2	94.8	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	200	240	ug/Kg
62-53-3	Aniline	70.6	U	70.6	94.8	120	ug/Kg
108-95-2	Phenol	60.4	U	60.4	94.8	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	61	U	61	94.8	120	ug/Kg
95-57-8	2-Chlorophenol	60.9	U	60.9	94.8	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	61.7	U	61.7	94.8	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	62.7	U	62.7	94.8	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	63.1	U	63.1	94.8	120	ug/Kg
100-51-6	Benzyl Alcohol	60.5	U	60.5	200	240	ug/Kg
95-48-7	2-Methylphenol	58.7	U	58.7	94.8	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	66.3	U	66.3	94.8	120	ug/Kg
98-86-2	Acetophenone	63.3	U	63.3	94.8	120	ug/Kg
65794-96-9	3+4-Methylphenols	58.2	U	58.2	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	29.4	U	29.4	58.3	58.3	ug/Kg
67-72-1	Hexachloroethane	60.5	U	60.5	94.8	120	ug/Kg
98-95-3	Nitrobenzene	66.2	U	66.2	94.8	120	ug/Kg
78-59-1	Isophorone	61.7	U	61.7	94.8	120	ug/Kg
88-75-5	2-Nitrophenol	68.9	U	68.9	94.8	120	ug/Kg
105-67-9	2,4-Dimethylphenol	67.9	U	67.9	94.8	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	62.5	U	62.5	94.8	120	ug/Kg
120-83-2	2,4-Dichlorophenol	55	U	55	94.8	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	62.2	U	62.2	94.8	120	ug/Kg
65-85-0	Benzoic acid	170	U	170	200	240	ug/Kg
91-20-3	Naphthalene	60.2	U	60.2	94.8	120	ug/Kg
106-47-8	4-Chloroaniline	60.2	U	60.2	94.8	120	ug/Kg
87-68-3	Hexachlorobutadiene	60.7	U	60.7	94.8	120	ug/Kg

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	BIN-1	SDG No.:	BG050824
Lab Sample ID:	P2408-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061143.D	1	5/8/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	63.3	U	63.3	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	56.5	U	56.5	94.8	120	ug/Kg
91-57-6	2-Methylnaphthalene	60.1	U	60.1	94.8	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	52	U	52	94.8	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	53.9	U	53.9	94.8	120	ug/Kg
92-52-4	1,1-Biphenyl	63.7	U	63.7	94.8	120	ug/Kg
91-58-7	2-Chloronaphthalene	60.7	U	60.7	94.8	120	ug/Kg
88-74-4	2-Nitroaniline	69.2	U	69.2	94.8	120	ug/Kg
131-11-3	Dimethylphthalate	59.6	U	59.6	94.8	120	ug/Kg
208-96-8	Acenaphthylene	63.1	U	63.1	94.8	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	60.6	U	60.6	94.8	120	ug/Kg
99-09-2	3-Nitroaniline	65	U	65	94.8	120	ug/Kg
83-32-9	Acenaphthene	140		59.1	94.8	120	ug/Kg
Total PAH	Total PAH	3241.5		965.8	94.8	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	200	240	ug/Kg
100-02-7	4-Nitrophenol	84.6	U	84.6	200	240	ug/Kg
132-64-9	Dibenzofuran	92.4	J	61.5	94.8	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	123.4	U	123.4	94.8	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	62.8	U	62.8	94.8	120	ug/Kg
84-66-2	Diethylphthalate	58.4	U	58.4	94.8	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	62.4	U	62.4	94.8	120	ug/Kg
86-73-7	Fluorene	110	J	62.3	94.8	120	ug/Kg
100-01-6	4-Nitroaniline	78	U	78	94.8	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	85.3	U	85.3	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	59.5	U	59.5	94.8	120	ug/Kg
103-33-3	Azobenzene	58	U	58	94.8	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	57.5	U	57.5	94.8	120	ug/Kg
118-74-1	Hexachlorobenzene	62	U	62	94.8	120	ug/Kg
1912-24-9	Atrazine	66.6	U	66.6	94.8	120	ug/Kg

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	BIN-1	SDG No.:	BG050824
Lab Sample ID:	P2408-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061143.D	1	5/8/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	87	J	56.3	200	240	ug/Kg
85-01-8	Phenanthrene	520		61.2	94.8	120	ug/Kg
120-12-7	Anthracene	110	J	61.5	94.8	120	ug/Kg
86-74-8	Carbazole	58.5	U	58.5	94.8	120	ug/Kg
84-74-2	Di-n-butylphthalate	61.4	U	61.4	94.8	120	ug/Kg
206-44-0	Fluoranthene	830		59.6	94.8	120	ug/Kg
92-87-5	Benzidine	120	U	120	200	240	ug/Kg
129-00-0	Pyrene	590		60.5	94.8	120	ug/Kg
85-68-7	Butylbenzylphthalate	70.6	U	70.6	94.8	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	71.9	U	71.9	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	210		58.8	94.8	120	ug/Kg
218-01-9	Chrysene	230		57.9	94.8	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	80.2	J	66.3	94.8	120	ug/Kg
117-84-0	Di-n-octyl phthalate	80.2	U	80.2	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	220		59.1	94.8	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	J	60.2	94.8	120	ug/Kg
50-32-8	Benzo(a)pyrene	140		67.8	94.8	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	56.9	U	56.9	94.8	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	59.2	U	59.2	94.8	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	59	J	58.4	94.8	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	63.3	U	63.3	94.8	120	ug/Kg
123-91-1	1,4-Dioxane	80.2	U	80.2	94.8	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54.4	U	54.4	94.8	120	ug/Kg
90-12-0	1-Methylnaphthalene	60.6	U	60.6	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	111.684		18-112		74	SPK: -150
13127-88-3	Phenol-d6	101.974		15-107		68	SPK: -150
4165-60-0	Nitrobenzene-d5	69.852		18-107		70	SPK: -100
321-60-8	2-Fluorobiphenyl	68.203		20-109		68	SPK: -100

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	BIN-1	SDG No.:	BG050824
Lab Sample ID:	P2408-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061143.D	1	5/8/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	92.71		10-110		62	SPK: -150
1718-51-0	Terphenyl-d14	58.792		14-112		59	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	26600	7.935				
1146-65-2	Naphthalene-d8	103449	10.732				
15067-26-2	Acenaphthene-d10	77091	14.568				
1517-22-2	Phenanthrene-d10	167841	17.312				
1719-03-5	Chrysene-d12	174368	21.578				
1520-96-3	Perylene-d12	212230	24.704				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	960	J			3.158	
000080-56-8	.alpha.-Pinene	1400	J			6.631	
000111-84-2	Nonane	210	J			7.565	
001120-21-4	Undecane	540	J			9.163	
000629-50-5	Tridecane	310	J			12.154	
000544-76-3	Hexadecane	570	J			13.393	
001076-61-5	Naphthalene, 1,2,3,4-tetrahydro-6,	190	J			13.505	
000629-62-9	Pentadecane	640	J			14.469	
000629-78-7	Heptadecane	640	J			15.42	
003892-00-0	Pentadecane, 2,6,10-trimethyl-	320	J			15.826	
001560-92-5	Hexadecane, 2-methyl-	880	J			16.284	
000629-92-5	Nonadecane	690	J			17.077	
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	400	J			17.13	
001560-96-9	Tridecane, 2-methyl-	610	J			17.818	
000057-10-3	n-Hexadecanoic acid	340	J			18.217	
004282-44-4	1-Iodoundecane	520	J			18.511	
064359-81-5	4,5-Dichloro-2-octyl-3(2H)-isothia	1500	J			19.028	
001560-89-0	Heptadecane, 2-methyl-	620	J			19.14	
021956-56-9	Benzene, 1,3-dimethoxy-5-[(1E)-2-p	410	J			20.086	

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	BIN-1	SDG No.:	BG050824
Lab Sample ID:	P2408-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061143.D	1	5/8/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
297758-19-1	Acridin-9-amine, 1,2,3,4-tetrahydr	1100	J			20.479	

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	BIN-1MS	SDG No.:	BG050824
Lab Sample ID:	P2408-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
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
BG061144.D	1	5/8/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	820		63.3	200	240	ug/Kg
110-86-1	Pyridine	660		58.3	94.8	120	ug/Kg
100-52-7	Benzaldehyde	500		130	200	240	ug/Kg
62-53-3	Aniline	860		70.7	94.8	120	ug/Kg
108-95-2	Phenol	1000		60.5	94.8	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1200		61	94.8	120	ug/Kg
95-57-8	2-Chlorophenol	1100		60.9	94.8	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	990		61.7	94.8	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		62.7	94.8	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	980		63.1	94.8	120	ug/Kg
100-51-6	Benzyl Alcohol	1000		60.5	200	240	ug/Kg
95-48-7	2-Methylphenol	1000		58.8	94.8	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		66.3	94.8	120	ug/Kg
98-86-2	Acetophenone	1100		63.4	94.8	120	ug/Kg
65794-96-9	3+4-Methylphenols	950		58.2	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	900		29.4	58.3	58.3	ug/Kg
67-72-1	Hexachloroethane	1100		60.5	94.8	120	ug/Kg
98-95-3	Nitrobenzene	1000		66.2	94.8	120	ug/Kg
78-59-1	Isophorone	880		61.7	94.8	120	ug/Kg
88-75-5	2-Nitrophenol	1100		68.9	94.8	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		68	94.8	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		62.6	94.8	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		55.1	94.8	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100		62.3	94.8	120	ug/Kg
65-85-0	Benzoic acid	710		170	200	240	ug/Kg
91-20-3	Naphthalene	1000		60.2	94.8	120	ug/Kg
106-47-8	4-Chloroaniline	810		60.2	94.8	120	ug/Kg
87-68-3	Hexachlorobutadiene	1000		60.8	94.8	120	ug/Kg



Report of Analysis

Client:				Date Collected:	5/7/2024 12:00:00 AM	
Project:				Date Received:	5/7/2024 12:00:00 AM	
Client Sample ID:	BIN-1MS			SDG No.:	BG050824	
Lab Sample ID:	P2408-01MS			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	17.8	
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
BG061144.D	1	5/8/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	910		63.3	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	950		56.5	94.8	120	ug/Kg
91-57-6	2-Methylnaphthalene	990		60.2	94.8	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1700		110	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		52.1	94.8	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		54	94.8	120	ug/Kg
92-52-4	1,1-Biphenyl	1200		63.7	94.8	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		60.8	94.8	120	ug/Kg
88-74-4	2-Nitroaniline	1100		69.3	94.8	120	ug/Kg
131-11-3	Dimethylphthalate	980		59.6	94.8	120	ug/Kg
208-96-8	Acenaphthylene	1100		63.1	94.8	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	960		60.7	94.8	120	ug/Kg
99-09-2	3-Nitroaniline	850		65.1	94.8	120	ug/Kg
83-32-9	Acenaphthene	1200		59.1	94.8	120	ug/Kg
Total PAH	Total PAH	19290		966.4	94.8	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	1100		180	200	240	ug/Kg
100-02-7	4-Nitrophenol	1800		84.6	200	240	ug/Kg
132-64-9	Dibenzofuran	1100		61.6	94.8	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	900		123.6	94.8	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	940		62.9	94.8	120	ug/Kg
84-66-2	Diethylphthalate	890		58.4	94.8	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	980		62.4	94.8	120	ug/Kg
86-73-7	Fluorene	1100		62.4	94.8	120	ug/Kg
100-01-6	4-Nitroaniline	860		78	94.8	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	790		85.3	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		59.5	94.8	120	ug/Kg
103-33-3	Azobenzene	990		58.1	94.8	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		57.5	94.8	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		62	94.8	120	ug/Kg
1912-24-9	Atrazine	1200		66.7	94.8	120	ug/Kg

Report of Analysis

Client:				Date Collected:	5/7/2024 12:00:00 AM		
Project:				Date Received:	5/7/2024 12:00:00 AM		
Client Sample ID:	BIN-1MS			SDG No.:	BG050824		
Lab Sample ID:	P2408-01MS			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	17.8		
Sample Wt/Vol:	50.04	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :				Decanted :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061144.D	1	5/8/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2000	E	56.4	200	240	ug/Kg
85-01-8	Phenanthrene	1500		61.3	94.8	120	ug/Kg
120-12-7	Anthracene	1200		61.6	94.8	120	ug/Kg
86-74-8	Carbazole	1100		58.6	94.8	120	ug/Kg
84-74-2	Di-n-butylphthalate	1000		61.5	94.8	120	ug/Kg
206-44-0	Fluoranthene	1700		59.6	94.8	120	ug/Kg
92-87-5	Benzidine	1100		120	200	240	ug/Kg
129-00-0	Pyrene	1500		60.5	94.8	120	ug/Kg
85-68-7	Butylbenzylphthalate	1100		70.6	94.8	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	840		71.9	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	1300		58.9	94.8	120	ug/Kg
218-01-9	Chrysene	1300		58	94.8	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		66.4	94.8	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		80.2	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		59.1	94.8	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		60.2	94.8	120	ug/Kg
50-32-8	Benzo(a)pyrene	1200		67.8	94.8	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	970		57	94.8	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	960		59.2	94.8	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	860		58.4	94.8	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1300		63.3	94.8	120	ug/Kg
123-91-1	1,4-Dioxane	670		80.2	94.8	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	980		54.5	94.8	120	ug/Kg
90-12-0	1-Methylnaphthalene	920		60.7	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	102.772		18-112		69	SPK: -150
13127-88-3	Phenol-d6	93.095		15-107		62	SPK: -150
4165-60-0	Nitrobenzene-d5	62.42		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	63.139		20-109		63	SPK: -100

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	BIN-1MS	SDG No.:	BG050824
Lab Sample ID:	P2408-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
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
BG061144.D	1	5/8/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	85.316		10-110		57	SPK: -150
1718-51-0	Terphenyl-d14	53.086		14-112		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	29427	7.935				
1146-65-2	Naphthalene-d8	114687	10.731				
15067-26-2	Acenaphthene-d10	82207	14.568				
1517-22-2	Phenanthrene-d10	183746	17.318				
1719-03-5	Chrysene-d12	185715	21.583				
1520-96-3	Perylene-d12	229207	24.709				



Client:			Date Collected:	5/7/2024 12:00:00 AM	
Project:			Date Received:	5/7/2024 12:00:00 AM	
Client Sample ID:	BIN-1MSD		SDG No.:	BG050824	
Lab Sample ID:	P2408-01MSD		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	17.8	
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
BG061145.D	1	5/8/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	790		63.3	200	240	ug/Kg
110-86-1	Pyridine	670		58.3	94.9	120	ug/Kg
100-52-7	Benzaldehyde	510		130	200	240	ug/Kg
62-53-3	Aniline	840		70.7	94.9	120	ug/Kg
108-95-2	Phenol	1000		60.5	94.9	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		61.1	94.9	120	ug/Kg
95-57-8	2-Chlorophenol	1100		60.9	94.9	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	990		61.7	94.9	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		62.7	94.9	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	980		63.1	94.9	120	ug/Kg
100-51-6	Benzyl Alcohol	1000		60.6	200	240	ug/Kg
95-48-7	2-Methylphenol	1000		58.8	94.9	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		66.3	94.9	120	ug/Kg
98-86-2	Acetophenone	1100		63.4	94.9	120	ug/Kg
65794-96-9	3+4-Methylphenols	970		58.2	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	910		29.4	58.4	58.4	ug/Kg
67-72-1	Hexachloroethane	1100		60.6	94.9	120	ug/Kg
98-95-3	Nitrobenzene	1000		66.3	94.9	120	ug/Kg
78-59-1	Isophorone	920		61.7	94.9	120	ug/Kg
88-75-5	2-Nitrophenol	1100		69	94.9	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		68	94.9	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		62.6	94.9	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		55.1	94.9	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100		62.3	94.9	120	ug/Kg
65-85-0	Benzoic acid	720		170	200	240	ug/Kg
91-20-3	Naphthalene	1000		60.3	94.9	120	ug/Kg
106-47-8	4-Chloroaniline	840		60.3	94.9	120	ug/Kg
87-68-3	Hexachlorobutadiene	1000		60.8	94.9	120	ug/Kg

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	BIN-1MSD	SDG No.:	BG050824
Lab Sample ID:	P2408-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
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
BG061145.D	1	5/8/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	910		63.3	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	950		56.5	94.9	120	ug/Kg
91-57-6	2-Methylnaphthalene	980		60.2	94.9	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1600		110	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		52.1	94.9	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		54	94.9	120	ug/Kg
92-52-4	1,1-Biphenyl	1100		63.8	94.9	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		60.8	94.9	120	ug/Kg
88-74-4	2-Nitroaniline	1100		69.3	94.9	120	ug/Kg
131-11-3	Dimethylphthalate	960		59.6	94.9	120	ug/Kg
208-96-8	Acenaphthylene	1200		63.1	94.9	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	990		60.7	94.9	120	ug/Kg
99-09-2	3-Nitroaniline	870		65.1	94.9	120	ug/Kg
83-32-9	Acenaphthene	1100		59.2	94.9	120	ug/Kg
Total PAH	Total PAH	19640		967	94.9	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	1100		180	200	240	ug/Kg
100-02-7	4-Nitrophenol	1800		84.6	200	240	ug/Kg
132-64-9	Dibenzofuran	1100		61.6	94.9	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	920		123.6	94.9	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	930		62.9	94.9	120	ug/Kg
84-66-2	Diethylphthalate	910		58.4	94.9	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	970		62.5	94.9	120	ug/Kg
86-73-7	Fluorene	1100		62.4	94.9	120	ug/Kg
100-01-6	4-Nitroaniline	870		78.1	94.9	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	790		85.4	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		59.5	94.9	120	ug/Kg
103-33-3	Azobenzene	980		58.1	94.9	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		57.6	94.9	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		62	94.9	120	ug/Kg
1912-24-9	Atrazine	1200		66.7	94.9	120	ug/Kg

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	BIN-1MSD	SDG No.:	BG050824
Lab Sample ID:	P2408-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
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
BG061145.D	1	5/8/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2100	E	56.4	200	240	ug/Kg
85-01-8	Phenanthrene	1600		61.3	94.9	120	ug/Kg
120-12-7	Anthracene	1200		61.6	94.9	120	ug/Kg
86-74-8	Carbazole	1100		58.6	94.9	120	ug/Kg
84-74-2	Di-n-butylphthalate	1100		61.5	94.9	120	ug/Kg
206-44-0	Fluoranthene	1800		59.6	94.9	120	ug/Kg
92-87-5	Benzidine	1100		120	200	240	ug/Kg
129-00-0	Pyrene	1500		60.6	94.9	120	ug/Kg
85-68-7	Butylbenzylphthalate	1100		70.6	94.9	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	890		71.9	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	1300		58.9	94.9	120	ug/Kg
218-01-9	Chrysene	1300		58	94.9	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		66.4	94.9	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		80.3	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		59.2	94.9	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		60.3	94.9	120	ug/Kg
50-32-8	Benzo(a)pyrene	1200		67.9	94.9	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		57	94.9	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000		59.2	94.9	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	940		58.4	94.9	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1300		63.3	94.9	120	ug/Kg
123-91-1	1,4-Dioxane	690		80.3	94.9	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	980		54.5	94.9	120	ug/Kg
90-12-0	1-Methylnaphthalene	910		60.7	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	102.639		18-112		68	SPK: -150
13127-88-3	Phenol-d6	92.002		15-107		61	SPK: -150
4165-60-0	Nitrobenzene-d5	61.894		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	62.798		20-109		63	SPK: -100

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	BIN-1MSD	SDG No.:	BG050824
Lab Sample ID:	P2408-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
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
BG061145.D	1	5/8/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	83.93		10-110		56	SPK: -150
1718-51-0	Terphenyl-d14	52.622		14-112		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	29404	7.938				
1146-65-2	Naphthalene-d8	115832	10.735				
15067-26-2	Acenaphthene-d10	83888	14.571				
1517-22-2	Phenanthrene-d10	181175	17.315				
1719-03-5	Chrysene-d12	189121	21.581				
1520-96-3	Perylene-d12	228452	24.712				

Hit Summary Sheet SW-846

SDG No.: BG050824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TOP-SOIL-1								
P2404-02	TOP-SOIL-1	Solid	1-Eicosene	*	200.000	J		
P2404-02	TOP-SOIL-1	Solid	1-Pentene, 2-methyl-	*	81.100	J		
P2404-02	TOP-SOIL-1	Solid	2-Phenanthrenol, 4b,5,6,7,8,8a,9,1	*	79.900	J		
P2404-02	TOP-SOIL-1	Solid	Butane, 2-methoxy-2-methyl-	*	1,600.000	J		
P2404-02	TOP-SOIL-1	Solid	n-Hexadecanoic acid	*	400.000	J		
P2404-02	TOP-SOIL-1	Solid	Tetradecanoic acid	*	82.700	J		
P2404-02	TOP-SOIL-1	Solid	unknown19.638	*	79.900	J		
P2404-02	TOP-SOIL-1	Solid	unknown20.619	*	96.300	J		
			Total Tics :		2,619.90			
P2404-02	TOP-SOIL-1	Solid	Benzo(b)fluoranthene		110.000	J 94.9	200	ug/Kg
P2404-02	TOP-SOIL-1	Solid	Fluoranthene		130.000	J 95.6	200	ug/Kg
P2404-02	TOP-SOIL-1	Solid	Pyrene		120.000	J 97.1	200	ug/Kg
			Total Svoc :		360.00			
			Total Concentration:		2,979.90			
Client ID : TOP-SOIL-2								
P2404-04	TOP-SOIL-2	Solid	1-Eicosene	*	180.000	J		
P2404-04	TOP-SOIL-2	Solid	1-Pentene, 2-methyl-	*	98.000	J		
P2404-04	TOP-SOIL-2	Solid	Butane, 2-methoxy-2-methyl-	*	1,600.000	J		
P2404-04	TOP-SOIL-2	Solid	n-Hexadecanoic acid	*	140.000	J		
			Total Tics :		2,018.00			
			Total Concentration:		2,018.00			
Client ID : TOP-SOIL-3								
P2404-06	TOP-SOIL-3	Solid	Butane, 2-methoxy-2-methyl-	*	1,300.000	J		
P2404-06	TOP-SOIL-3	Solid	Tridecanoic acid	*	120.000	J		
P2404-06	TOP-SOIL-3	Solid	unknown21.238	*	92.000	J		
			Total Tics :		1,512.00			
P2404-06	TOP-SOIL-3	Solid	Benzo(b)fluoranthene		130.000	J 93.3	200	ug/Kg
P2404-06	TOP-SOIL-3	Solid	Chrysene		100.000	J 91.4	200	ug/Kg
P2404-06	TOP-SOIL-3	Solid	Fluoranthene		170.000	J 94	200	ug/Kg
P2404-06	TOP-SOIL-3	Solid	Pyrene		150.000	J 95.5	200	ug/Kg
			Total Svoc :		550.00			
			Total Concentration:		2,062.00			
Client ID : BIN-1								
P2408-01	BIN-1	Solid	.alpha.-Pinene	*	1,400.000	J		
P2408-01	BIN-1	Solid	1-Iodoundecane	*	520.000	J		
P2408-01	BIN-1	Solid	4,5-Dichloro-2-octyl-3(2H)-isothi:	*	1,500.000	J		

Hit Summary Sheet SW-846

SDG No.: BG050824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2408-01	BIN-1	Solid	Acridin-9-amine, 1,2,3,4-tetrahyd *	1,100.000	J			
P2408-01	BIN-1	Solid	Benzene, 1,3-dimethoxy-5-[(1E)-2 *	410.000	J			
P2408-01	BIN-1	Solid	Butane, 2-methoxy-2-methyl- *	960.000	J			
P2408-01	BIN-1	Solid	Heptadecane *	640.000	J			
P2408-01	BIN-1	Solid	Heptadecane, 2-methyl- *	620.000	J			
P2408-01	BIN-1	Solid	Hexadecane *	570.000	J			
P2408-01	BIN-1	Solid	Hexadecane, 2,6,10,14-tetramethy *	400.000	J			
P2408-01	BIN-1	Solid	Hexadecane, 2-methyl- *	880.000	J			
P2408-01	BIN-1	Solid	n-Hexadecanoic acid *	340.000	J			
P2408-01	BIN-1	Solid	Naphthalene, 1,2,3,4-tetrahydro-6 *	190.000	J			
P2408-01	BIN-1	Solid	Nonadecane *	690.000	J			
P2408-01	BIN-1	Solid	Nonane *	210.000	J			
P2408-01	BIN-1	Solid	Pentadecane *	640.000	J			
P2408-01	BIN-1	Solid	Pentadecane, 2,6,10-trimethyl- *	320.000	J			
P2408-01	BIN-1	Solid	Tridecane *	310.000	J			
P2408-01	BIN-1	Solid	Tridecane, 2-methyl- *	610.000	J			
P2408-01	BIN-1	Solid	Undecane *	540.000	J			
Total Tics :				12,850.00				
P2408-01	BIN-1	Solid	Acenaphthene	140.000		59.1	120	ug/Kg
P2408-01	BIN-1	Solid	Anthracene	110.000	J	61.5	120	ug/Kg
P2408-01	BIN-1	Solid	Benzo(a)anthracene	210.000		58.8	120	ug/Kg
P2408-01	BIN-1	Solid	Benzo(a)pyrene	140.000		67.8	120	ug/Kg
P2408-01	BIN-1	Solid	Benzo(b)fluoranthene	220.000		59.1	120	ug/Kg
P2408-01	BIN-1	Solid	Benzo(g,h,i)perylene	59.000	J	58.4	120	ug/Kg
P2408-01	BIN-1	Solid	Benzo(k)fluoranthene	82.500	J	60.2	120	ug/Kg
P2408-01	BIN-1	Solid	Bis(2-ethylhexyl)phthalate	80.200	J	66.3	120	ug/Kg
P2408-01	BIN-1	Solid	Chrysene	230.000		57.9	120	ug/Kg
P2408-01	BIN-1	Solid	Dibenzofuran	92.400	J	61.5	120	ug/Kg
P2408-01	BIN-1	Solid	Fluoranthene	830.000		59.6	120	ug/Kg
P2408-01	BIN-1	Solid	Fluorene	110.000	J	62.3	120	ug/Kg
P2408-01	BIN-1	Solid	Pentachlorophenol	87.000	J	56.3	240	ug/Kg
P2408-01	BIN-1	Solid	Phenanthrene	520.000		61.2	120	ug/Kg
P2408-01	BIN-1	Solid	Pyrene	590.000		60.5	120	ug/Kg
P2408-01	BIN-1	Solid	Total PAH	3,241.000		965.8	1920	ug/Kg
Total Svoc :				6,742.10				
Total Concentration:				19,592.10				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BG043024 SAS No.: BG043024 SDG No.: BG043024
Instrument ID: _____ Calibration Date(s): 4/30/2024 : _____
Calibration Time(s): 10:51 _____

LAB FILE ID:		RRF2.5 = BG061058.D			RRF005 = BG061059.D		RRF010 = BG061060.D	
		RRF020 = BG061061.D			RRF040 = BG061062.D		RRF050 = BG061063.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		1.074	1.202	1.072	1.152	1.114	1.124	4.0
Pyridine		1.143	1.136	1.111	1.242	1.182	1.170	3.8
2-Fluorophenol		0.992	0.989	0.925	1.023	0.978	0.983	3.0
Benzaldehyde		0.983	0.996	0.908	0.803	0.714	0.820	17.7
Aniline		1.346	1.419	1.530	1.452	1.450	1.442	4.5
Phenol-d6		1.375	1.382	1.540	1.466	1.433	1.455	4.3
Phenol		1.388	1.415	1.569	1.465	1.481	1.479	4.3
bis(2-Chloroethyl)ether		0.972	1.012	1.106	1.007	0.991	1.022	4.2
2-Chlorophenol		1.121	1.211	1.271	1.228	1.178	1.206	3.9
1,2-Dichlorobenzene		1.419	1.393	1.467	1.415	1.386	1.418	1.9
1,3-Dichlorobenzene		1.396	1.425	1.559	1.419	1.379	1.422	4.4
1,4-Dichlorobenzene		1.491	1.467	1.553	1.496	1.411	1.470	3.3
Benzyl Alcohol		1.295	1.158	1.446	1.302	1.282	1.312	6.7
2-Methylphenol		0.958	1.041	1.012	1.095	1.065	1.054	5.2
2,2-oxybis(1-Chloropropane)		2.139	2.208	2.110	2.241	2.221	2.218	3.3
Acetophenone		0.499	0.485	0.525	0.491	0.485	0.498	2.7
3+4-Methylphenols		1.355	1.528	1.476	1.560	1.535	1.521	5.6
n-Nitroso-di-n-propylamine	1.009	1.200	1.057	1.035	1.069	1.104	1.089	5.6
Nitrobenzene-d5		0.410	0.390	0.417	0.388	0.401	0.403	2.9
Hexachloroethane		0.507	0.569	0.469	0.564	0.516	0.525	6.5
Nitrobenzene		0.384	0.377	0.415	0.392	0.392	0.395	3.3
Isophorone		0.791	0.764	0.772	0.705	0.711	0.746	4.3
2-Nitrophenol		0.180	0.189	0.190	0.181	0.184	0.187	2.7
2,4-Dimethylphenol		0.205	0.213	0.226	0.208	0.220	0.216	3.5
bis(2-Chloroethoxy)methane		0.383	0.366	0.381	0.348	0.354	0.366	3.5
2,4-Dichlorophenol		0.333	0.323	0.357	0.328	0.334	0.338	3.6
1,2,4-Trichlorobenzene		0.415	0.390	0.429	0.396	0.396	0.407	3.4
Benzoic acid		0.195	0.224	0.275	0.248	0.263	0.249	11.9
Naphthalene		1.080	1.019	1.090	1.017	0.996	1.039	3.4
4-Chloroaniline		0.400	0.398	0.439	0.404	0.412	0.415	3.7
Hexachlorobutadiene		0.355	0.358	0.360	0.332	0.341	0.349	2.9
Caprolactam		0.134	0.128	0.128	0.112	0.114	0.122	6.8
4-Chloro-3-methylphenol		0.392	0.418	0.426	0.401	0.390	0.407	3.4
2-Methylnaphthalene		0.768	0.797	0.823	0.755	0.749	0.779	3.3
Hexachlorocyclopentadiene		0.203	0.212	0.248	0.285	0.272	0.256	13.8
2,4,6-Trichlorophenol		0.414	0.403	0.431	0.442	0.428	0.429	3.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG043024

SAS No.: BG043024

SDG No.: BG043024

Instrument ID: _____

Calibration Date(s): 4/30/2024 : _____

Calibration Time(s): 10:51 _____

LAB FILE ID:		RRF2.5 = BG061058.D			RRF005 = BG061059.D		RRF010 = BG061060.D	
		RRF020 = BG061061.D			RRF040 = BG061062.D		RRF050 = BG061063.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.340	1.312	1.362	1.384	1.332	1.353	1.9
2,4,5-Trichlorophenol		0.452	0.470	0.505	0.500	0.486	0.485	3.9
1,1-Biphenyl		1.306	1.244	1.285	1.306	1.258	1.282	1.9
2-Chloronaphthalene		1.018	0.983	1.048	1.061	1.017	1.027	2.6
2-Nitroaniline		0.380	0.370	0.374	0.389	0.379	0.381	1.9
Dimethylphthalate		1.647	1.534	1.593	1.552	1.492	1.545	3.8
Acenaphthylene		1.571	1.507	1.619	1.620	1.558	1.577	2.5
2,6-Dinitrotoluene		0.354	0.326	0.323	0.338	0.326	0.330	3.5
3-Nitroaniline		0.317	0.305	0.319	0.299	0.289	0.302	3.9
Acenaphthene		0.984	0.937	1.017	1.009	0.971	0.984	2.7
2,4-Dinitrophenol		0.185	0.180	0.203	0.227	0.234	0.213	11.1
4-Nitrophenol		0.261	0.238	0.239	0.255	0.242	0.244	3.9
Dibenzofuran		1.695	1.651	1.684	1.695	1.640	1.662	1.7
2,4-Dinitrotoluene		0.477	0.491	0.513	0.506	0.487	0.489	3.3
Diethylphthalate		1.711	1.561	1.602	1.575	1.487	1.558	5.3
4-Chlorophenyl-phenylether		0.873	0.881	0.886	0.871	0.844	0.863	2.2
Fluorene		1.449	1.426	1.482	1.485	1.397	1.438	2.4
4-Nitroaniline		0.321	0.327	0.347	0.338	0.325	0.328	3.2
4,6-Dinitro-2-methylphenol		0.113	0.112	0.128	0.124	0.129	0.124	6.8
n-Nitrosodiphenylamine		0.489	0.480	0.517	0.484	0.490	0.496	2.8
Azobenzene		1.260	1.217	1.235	1.235	1.167	1.213	2.7
2,4,6-Tribromophenol		0.409	0.395	0.409	0.409	0.391	0.400	2.2
4-Bromophenyl-phenylether		0.219	0.223	0.243	0.234	0.237	0.236	4.7
Hexachlorobenzene		0.297	0.287	0.296	0.284	0.287	0.293	2.5
Atrazine		0.232	0.209	0.211	0.200	0.197	0.205	7.0
Pentachlorophenol		0.155	0.163	0.185	0.185	0.183	0.180	8.6
Phenanthrene		0.937	0.896	0.932	0.913	0.898	0.914	1.7
Anthracene		0.904	0.890	0.952	0.909	0.891	0.913	2.4
Carbazole		0.855	0.832	0.805	0.801	0.772	0.802	4.0
Di-n-butylphthalate		1.022	0.960	0.965	0.965	0.916	0.954	3.9
Fluoranthene		1.360	1.283	1.278	1.238	1.209	1.253	4.7
Benzidine		0.179	0.208	0.349	0.413	0.386	0.328	28.8
Pyrene		1.267	1.237	1.307	1.264	1.264	1.272	1.8
Terphenyl-d14		1.219	1.172	1.264	1.185	1.181	1.203	2.6
Butylbenzylphthalate		0.405	0.379	0.417	0.404	0.397	0.402	3.0
3,3-Dichlorobenzidine		0.482	0.451	0.486	0.472	0.463	0.471	2.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BG043024 SAS No.: BG043024 SDG No.: BG043024
Instrument ID: _____ Calibration Date(s): 4/30/2024 : _____
Calibration Time(s): 10:51 _____

LAB FILE ID:		RRF2.5 = BG061058.D			RRF005 = BG061059.D		RRF010 = BG061060.D	
		RRF020 = BG061061.D			RRF040 = BG061062.D		RRF050 = BG061063.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.383	1.264	1.336	1.282	1.282	1.309	3.1
Chrysene		1.301	1.204	1.233	1.200	1.196	1.226	3.0
Bis(2-ethylhexyl)phthalate		0.524	0.497	0.529	0.521	0.516	0.526	3.4
Di-n-octyl phthalate		0.929	0.858	0.938	0.933	0.922	0.927	3.8
Benzo(b)fluoranthene		1.164	1.062	1.145	1.081	1.092	1.118	3.5
Benzo(k)fluoranthene		1.160	1.053	1.086	1.062	1.036	1.075	3.7
Benzo(a)pyrene		1.043	0.922	0.988	0.951	0.945	0.974	4.0
Indeno(1,2,3-cd)pyrene		1.380	1.256	1.345	1.298	1.297	1.325	3.2
Dibenzo(a,h)anthracene		1.136	1.051	1.120	1.070	1.070	1.098	3.0
Benzo(g,h,i)perylene		1.110	1.057	1.107	1.076	1.066	1.091	2.2
1,2,4,5-Tetrachlorobenzene		0.680	0.612	0.682	0.681	0.656	0.667	4.1
1,4-Dioxane		0.457	0.464	0.337	0.401	0.367	0.398	11.8
2,3,4,6-Tetrachlorophenol		0.499	0.484	0.518	0.516	0.488	0.499	2.6
1-Methylnaphthalene		0.834	0.773	0.824	0.740	0.750	0.784	4.5

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.: BG050824 SAS No.: BG050824 SDG NO.: BG050824

EPA Sample No.: SSTDICCC040 Date Analyzed: May 8 2024 12:00AM

Lab File ID: BG061062.D Time Analyzed: 12:18

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	19701	7.961	90057	10.76	76062	14.59
UPPER LIMIT	39402	8.461	180114	11.258	152124	15.089
LOWER LIMIT	9850.5	7.461	45028.5	10.258	38031	14.089
EPA SAMPLE NO.						
01 PB160756BL	16801	7.94	66409	10.73	56901	14.57
02 TOP-SOIL-1	27014	7.93	106238	10.73	79760	14.56
03 TOP-SOIL-2	26700	7.93	101852	10.73	79837	14.56
04 TOP-SOIL-3	24829	7.94	97160	10.73	72632	14.56
05 BIN-1	26600	7.94	103449	10.73	77091	14.57
06 BIN-1MS	29427	7.94	114687	10.73	82207	14.57
07 BIN-1MSD	29404	7.94	115832	10.74	83888	14.57

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG050824 SAS No.: BG050824 SDG NO.: BG050824

EPA Sample No.: SSTDCCC040 Date Analyzed: May 8 2024 12:00AM

Lab File ID: BG061138.D Time Analyzed: 12:18

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	23080	7.941	93780	10.74	75034	14.57
UPPER LIMIT	46160	8.441	187560	11.237	150068	15.068
LOWER LIMIT	11540	7.441	46890	10.237	37517	14.068
EPA SAMPLE NO.						
01 PB160756BL	16801	7.94	66409	10.73	56901	14.57
02 TOP-SOIL-1	27014	7.93	106238	10.73	79760	14.56
03 TOP-SOIL-2	26700	7.93	101852	10.73	79837	14.56
04 TOP-SOIL-3	24829	7.94	97160	10.73	72632	14.56
05 BIN-1	26600	7.94	103449	10.73	77091	14.57
06 BIN-1MS	29427	7.94	114687	10.73	82207	14.57
07 BIN-1MSD	29404	7.94	115832	10.74	83888	14.57

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG050824 SAS No.: BG050824 SDG NO.: BG050824

EPA Sample No.: SSTDICCC040 Date Analyzed: May 8 2024 12:00AM

Lab File ID: BG061062.D Time Analyzed: 12:18

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	210074	17.333	211272	21.592	244242	24.73
UPPER LIMIT	420148	17.833	422544	22.092	488484	25.23
LOWER LIMIT	105037	16.833	105636	21.092	122121	24.23
EPA SAMPLE NO.						
01 PB160756BL	158410	17.32	185079	21.57	211854	24.71
02 TOP-SOIL-1	184012	17.31	180829	21.57	220278	24.70
03 TOP-SOIL-2	180495	17.31	173618	21.57	211919	24.70
04 TOP-SOIL-3	167736	17.31	162483	21.57	196793	24.70
05 BIN-1	167841	17.31	174368	21.58	212230	24.70
06 BIN-1MS	183746	17.32	185715	21.58	229207	24.71
07 BIN-1MSD	181175	17.32	189121	21.58	228452	24.71

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.: BG050824 SAS No.: BG050824 SDG NO.: BG050824

EPA Sample No.: SSTDCCC040 Date Analyzed: May 8 2024 12:00AM

Lab File ID: BG061138.D Time Analyzed: 12:18

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	183025	17.318	185758	21.577	216149	24.703
UPPER LIMIT	366050	17.818	371516	22.077	432298	25.203
LOWER LIMIT	91512.5	16.818	92879	21.077	108074.5	24.203
EPA SAMPLE NO.						
01 PB160756BL	158410	17.32	185079	21.57	211854	24.71
02 TOP-SOIL-1	184012	17.31	180829	21.57	220278	24.70
03 TOP-SOIL-2	180495	17.31	173618	21.57	211919	24.70
04 TOP-SOIL-3	167736	17.31	162483	21.57	196793	24.70
05 BIN-1	167841	17.31	174368	21.58	212230	24.70
06 BIN-1MS	183746	17.32	185715	21.58	229207	24.71
07 BIN-1MSD	181175	17.32	189121	21.58	228452	24.71

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.



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Fax : 908 789 8922

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160756BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG050824

SAS No.: BG050824 SDG NO.: BG050824

Lab File ID: BG061139.D

Lab Sample ID: PB160756BL

Instrument ID: BNA_G

Date Extracted: 05/07/2024

Matrix: (soil/water) Solid

Date Analyzed: 05/08/2024

Level: (low/med) LOW

Time Analyzed: 12:18

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

TOP-SOIL-1

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG050824

SAS No.: BG050824 SDG NO.: BG050824

Lab File ID: BG061140.D

Lab Sample ID: P2404-02

Instrument ID: BNA_G

Date Extracted: 05/08/2024

Matrix: (soil/water) Solid

Date Analyzed: 05/08/2024

Level: (low/med) LOW

Time Analyzed: 13:41

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TOP-SOIL-1	P2404-02	BG061140.D	05/08/2024
TOP-SOIL-2	P2404-04	BG061141.D	05/08/2024
TOP-SOIL-3	P2404-06	BG061142.D	05/08/2024
BIN-1	P2408-01	BG061143.D	05/08/2024
BIN-1MS	P2408-01MS	BG061144.D	05/08/2024
BIN-1MSD	P2408-01MSD	BG061145.D	05/08/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG050824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2408-01MS		Client Sample ID: BIN-1MS		DataFile: BG061144.D							
n-Nitrosodimethylamine	1200		820	ug/Kg	68				66	124	
Pyridine	1200		660	ug/Kg	55				45	119	
Benzaldehyde	1200		500	ug/Kg	42				26	163	
Aniline	1200		860	ug/Kg	72				10	88	
Phenol	1200		1000	ug/Kg	83				67	126	
bis(2-Chloroethyl)ether	1200		1200	ug/Kg	100				74	116	
2-Chlorophenol	1200		1100	ug/Kg	92				61	138	
1,2-Dichlorobenzene	1200		990	ug/Kg	83				61	105	
1,3-Dichlorobenzene	1200		1000	ug/Kg	83				62	101	
1,4-Dichlorobenzene	1200		980	ug/Kg	82				63	104	
Benzyl Alcohol	1200		1000	ug/Kg	83				47	126	
2-Methylphenol	1200		1000	ug/Kg	83				66	122	
2,2-oxybis(1-Chloropropane)	1200		1100	ug/Kg	92				52	115	
Acetophenone	1200		1100	ug/Kg	92				75	111	
3+4-Methylphenols	1200		950	ug/Kg	79				53	132	
N-Nitroso-di-n-propylamine	1200		900	ug/Kg	75				59	119	
Hexachloroethane	1200		1100	ug/Kg	92				65	117	
Nitrobenzene	1200		1000	ug/Kg	83				70	119	
Isophorone	1200		880	ug/Kg	73	*			76	122	
2-Nitrophenol	1200		1100	ug/Kg	92				54	145	
2,4-Dimethylphenol	1200		1200	ug/Kg	100				83	144	
bis(2-Chloroethoxy)methane	1200		1000	ug/Kg	83				68	112	
2,4-Dichlorophenol	1200		1100	ug/Kg	92				72	118	
1,2,4-Trichlorobenzene	1200		1100	ug/Kg	92				57	103	
Benzoic acid	1200		710	ug/Kg	59				50	104	
Naphthalene	1200		1000	ug/Kg	83				72	110	
4-Chloroaniline	1200		810	ug/Kg	68				10	100	
Hexachlorobutadiene	1200		1000	ug/Kg	83				66	114	
Caprolactam	1200		910	ug/Kg	76				51	134	
4-Chloro-3-methylphenol	1200		950	ug/Kg	79				57	132	
2-Methylnaphthalene	1200		990	ug/Kg	83				59	123	
Hexachlorocyclopentadiene	2400		1700	ug/Kg	71				10	175	
2,4,6-Trichlorophenol	1200		1200	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	1200		1100	ug/Kg	92				72	117	
1,1-Biphenyl	1200		1200	ug/Kg	100				75	113	
2-Chloronaphthalene	1200		1100	ug/Kg	92				67	118	
2-Nitroaniline	1200		1100	ug/Kg	92				69	127	
Dimethylphthalate	1200		980	ug/Kg	82				70	113	
Acenaphthylene	1200		1100	ug/Kg	92				79	118	
2,6-Dinitrotoluene	1200		960	ug/Kg	80				70	125	
3-Nitroaniline	1200		850	ug/Kg	71				20	111	
Acenaphthene	1200	140	1200	ug/Kg	88				70	121	
Total PAH	19200	3241.5	19290	ug/Kg	84				70	121	
2,4-Dinitrophenol	2400		1100	ug/Kg	46				16	160	
4-Nitrophenol	2400		1800	ug/Kg	75				45	133	
Dibenzofuran	1200	92.4	1100	ug/Kg	84				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG050824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1200		940	ug/Kg	78				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	2400		1900	ug/Kg	79				55	128	
Diethylphthalate	1200		890	ug/Kg	74				70	112	
4-Chlorophenyl-phenylether	1200		980	ug/Kg	82				71	108	
Fluorene	1200	110	1100	ug/Kg	83				68	116	
4-Nitroaniline	1200		860	ug/Kg	72				55	120	
4,6-Dinitro-2-methylphenol	1200		790	ug/Kg	66				32	145	
N-Nitrosodiphenylamine	1200		1200	ug/Kg	100				73	118	
Azobenzene	1200		990	ug/Kg	83				73	110	
4-Bromophenyl-phenylether	1200		1200	ug/Kg	100				65	121	
Hexachlorobenzene	1200		1100	ug/Kg	92				67	118	
Atrazine	1200		1200	ug/Kg	100				79	127	
Pentachlorophenol	2400	87	2000	ug/Kg	80				47	128	
Phenanthrene	1200	520	1500	ug/Kg	82				72	113	
Anthracene	1200	110	1200	ug/Kg	91				62	124	
Carbazole	1200		1100	ug/Kg	92				59	119	
Di-n-butylphthalate	1200		1000	ug/Kg	83				69	118	
Fluoranthene	1200	830	1700	ug/Kg	73				59	125	
Benzydine	2400		1100	ug/Kg	46				10	119	
Pyrene	1200	590	1500	ug/Kg	76				52	128	
Butylbenzylphthalate	1200		1100	ug/Kg	92				64	126	
3,3-Dichlorobenzidine	1200		840	ug/Kg	70				10	164	
Benzo(a)anthracene	1200	210	1300	ug/Kg	91				71	114	
Chrysene	1200	230	1300	ug/Kg	89				57	121	
bis(2-Ethylhexyl)phthalate	1200	80.2	1200	ug/Kg	93				66	127	
Di-n-octyl phthalate	1200		1200	ug/Kg	100				71	126	
Benzo(b)fluoranthene	1200	220	1200	ug/Kg	82				67	121	
Benzo(k)fluoranthene	1200	82.5	1200	ug/Kg	93				74	114	
Benzo(a)pyrene	1200	140	1200	ug/Kg	88				70	142	
Indeno(1,2,3-cd)pyrene	1200	0	970	ug/Kg	81				61	125	
Dibenz(a,h)anthracene	1200		960	ug/Kg	80				67	130	
Benzo(g,h,i)perylene	1200	59	860	ug/Kg	67				53	140	
1,2,4,5-Tetrachlorobenzene	1200		1300	ug/Kg	108				69	124	
1,4-Dioxane	1200		670	ug/Kg	56				46	112	
2,3,4,6-Tetrachlorophenol	1200		980	ug/Kg	82				56	133	
1-Methylnaphthalene	1200		920	ug/Kg	77				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG050824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2408-01MSD		Client Sample ID: BIN-1MSD		DataFile: BG061145.D							
n-Nitrosodimethylamine	1200		790	ug/Kg	66		3		66	124	20
Pyridine	1200		670	ug/Kg	56		2		45	119	20
Benzaldehyde	1200		510	ug/Kg	43		2		26	163	20
Aniline	1200		840	ug/Kg	70		3		10	88	20
Phenol	1200		1000	ug/Kg	83		0		67	126	20
bis(2-Chloroethyl)ether	1200		1100	ug/Kg	92		8		74	116	20
2-Chlorophenol	1200		1100	ug/Kg	92		0		61	138	20
1,2-Dichlorobenzene	1200		990	ug/Kg	83		0		61	105	20
1,3-Dichlorobenzene	1200		1000	ug/Kg	83		0		62	101	20
1,4-Dichlorobenzene	1200		980	ug/Kg	82		0		63	104	20
Benzyl Alcohol	1200		1000	ug/Kg	83		0		47	126	20
2-Methylphenol	1200		1000	ug/Kg	83		0		66	122	20
2,2-oxybis(1-Chloropropane)	1200		1100	ug/Kg	92		0		52	115	20
Acetophenone	1200		1100	ug/Kg	92		0		75	111	20
3+4-Methylphenols	1200		970	ug/Kg	81		3		53	132	20
N-Nitroso-di-n-propylamine	1200		910	ug/Kg	76		1		59	119	20
Hexachloroethane	1200		1100	ug/Kg	92		0		65	117	20
Nitrobenzene	1200		1000	ug/Kg	83		0		70	119	20
Isophorone	1200		920	ug/Kg	77		5		76	122	20
2-Nitrophenol	1200		1100	ug/Kg	92		0		54	145	20
2,4-Dimethylphenol	1200		1100	ug/Kg	92		8		83	144	20
bis(2-Chloroethoxy)methane	1200		1000	ug/Kg	83		0		68	112	20
2,4-Dichlorophenol	1200		1100	ug/Kg	92		0		72	118	20
1,2,4-Trichlorobenzene	1200		1100	ug/Kg	92		0		57	103	20
Benzoic acid	1200		720	ug/Kg	60		2		50	104	20
Naphthalene	1200		1000	ug/Kg	83		0		72	110	20
4-Chloroaniline	1200		840	ug/Kg	70		3		10	100	20
Hexachlorobutadiene	1200		1000	ug/Kg	83		0		66	114	20
Caprolactam	1200		910	ug/Kg	76		0		51	134	20
4-Chloro-3-methylphenol	1200		950	ug/Kg	79		0		57	132	20
2-Methylnaphthalene	1200		980	ug/Kg	82		1		59	123	20
Hexachlorocyclopentadiene	2400		1600	ug/Kg	67		6		10	175	20
2,4,6-Trichlorophenol	1200		1200	ug/Kg	100		0		72	117	20
2,4,5-Trichlorophenol	1200		1100	ug/Kg	92		0		72	117	20
1,1-Biphenyl	1200		1100	ug/Kg	92		8		75	113	20
2-Chloronaphthalene	1200		1100	ug/Kg	92		0		67	118	20
2-Nitroaniline	1200		1100	ug/Kg	92		0		69	127	20
Dimethylphthalate	1200		960	ug/Kg	80		2		70	113	20
Acenaphthylene	1200		1200	ug/Kg	100		8		79	118	20
2,6-Dinitrotoluene	1200		990	ug/Kg	83		4		70	125	20
3-Nitroaniline	1200		870	ug/Kg	73		3		20	111	20
Acenaphthene	1200	140	1100	ug/Kg	80		10		70	121	20
Total PAH	19200	3241.5	19640	ug/Kg	85		1		70	121	20
2,4-Dinitrophenol	2400		1100	ug/Kg	46		0		16	160	20
4-Nitrophenol	2400		1800	ug/Kg	75		0		45	133	20
Dibenzofuran	1200	92.4	1100	ug/Kg	84		0		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG050824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1200		930	ug/Kg	78		0		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2400		1920	ug/Kg	80		1		55	128	20
Diethylphthalate	1200		910	ug/Kg	76		3		70	112	20
4-Chlorophenyl-phenylether	1200		970	ug/Kg	81		1		71	108	20
Fluorene	1200	110	1100	ug/Kg	83		0		68	116	20
4-Nitroaniline	1200		870	ug/Kg	73		1		55	120	20
4,6-Dinitro-2-methylphenol	1200		790	ug/Kg	66		0		32	145	20
N-Nitrosodiphenylamine	1200		1200	ug/Kg	100		0		73	118	20
Azobenzene	1200		980	ug/Kg	82		1		73	110	20
4-Bromophenyl-phenylether	1200		1200	ug/Kg	100		0		65	121	20
Hexachlorobenzene	1200		1100	ug/Kg	92		0		67	118	20
Atrazine	1200		1200	ug/Kg	100		0		79	127	20
Pentachlorophenol	2400	87	2100	ug/Kg	84		5		47	128	20
Phenanthrene	1200	520	1600	ug/Kg	90		9		72	113	20
Anthracene	1200	110	1200	ug/Kg	91		0		62	124	20
Carbazole	1200		1100	ug/Kg	92		0		59	119	20
Di-n-butylphthalate	1200		1100	ug/Kg	92		10		69	118	20
Fluoranthene	1200	830	1800	ug/Kg	81		10		59	125	20
Benzidine	2400		1100	ug/Kg	46		0		10	119	20
Pyrene	1200	590	1500	ug/Kg	76		0		52	128	20
Butylbenzylphthalate	1200		1100	ug/Kg	92		0		64	126	20
3,3-Dichlorobenzidine	1200		890	ug/Kg	74		6		10	164	20
Benzo(a)anthracene	1200	210	1300	ug/Kg	91		0		71	114	20
Chrysene	1200	230	1300	ug/Kg	89		0		57	121	20
bis(2-Ethylhexyl)phthalate	1200	80.2	1200	ug/Kg	93		0		66	127	20
Di-n-octyl phthalate	1200		1200	ug/Kg	100		0		71	126	20
Benzo(b)fluoranthene	1200	220	1200	ug/Kg	82		0		67	121	20
Benzo(k)fluoranthene	1200	82.5	1200	ug/Kg	93		0		74	114	20
Benzo(a)pyrene	1200	140	1200	ug/Kg	88		0		70	142	20
Indeno(1,2,3-cd)pyrene	1200	0	1000	ug/Kg	83		2		61	125	20
Dibenz(a,h)anthracene	1200		1000	ug/Kg	83		4		67	130	20
Benzo(g,h,i)perylene	1200	59	940	ug/Kg	73		9		53	140	20
1,2,4,5-Tetrachlorobenzene	1200		1300	ug/Kg	108		0		69	124	20
1,4-Dioxane	1200		690	ug/Kg	58		4		46	112	20
2,3,4,6-Tetrachlorophenol	1200		980	ug/Kg	82		0		56	133	20
1-Methylnaphthalene	1200		910	ug/Kg	76		1		70	130	20



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Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BG050824

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160756BL	PB160756BL	BG061139.D	2-Fluorophenol	150	163.63	109		18	112
			Phenol-d6	150	146.57	98		15	107
			Nitrobenzene-d5	100	92.21	92		18	107
			2-Fluorobiphenyl	100	89.27	89		20	109
			2,4,6-Tribromophenol	150	133.09	89		10	110
			Terphenyl-d14	100	89.05	89		14	112

Surrogate Summary

SW-846

SDG No.: **BG050824**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2404-02	TOP-SOIL-1	BG061140.D	2-Fluorophenol	150	101.69	68		18	112
			Phenol-d6	150	94.15	63		15	107
			Nitrobenzene-d5	100	61.57	62		18	107
			2-Fluorobiphenyl	100	64.32	64		20	109
			2,4,6-Tribromophenol	150	88.56	59		10	110
			Terphenyl-d14	100	55.49	55		14	112
P2404-04	TOP-SOIL-2	BG061141.D	2-Fluorophenol	150	86.16	57		18	112
			Phenol-d6	150	80.48	54		15	107
			Nitrobenzene-d5	100	54.73	55		18	107
			2-Fluorobiphenyl	100	53.07	53		20	109
			2,4,6-Tribromophenol	150	72.07	48		10	110
			Terphenyl-d14	100	48.09	48		14	112
P2404-06	TOP-SOIL-3	BG061142.D	2-Fluorophenol	150	84.48	56		18	112
			Phenol-d6	150	77.55	52		15	107
			Nitrobenzene-d5	100	48.83	49		18	107
			2-Fluorobiphenyl	100	51.59	52		20	109
			2,4,6-Tribromophenol	150	70.02	47		10	110
			Terphenyl-d14	100	46.74	47		14	112
P2408-01	BIN-1	BG061143.D	2-Fluorophenol	150	111.68	74		18	112
			Phenol-d6	150	101.97	68		15	107
			Nitrobenzene-d5	100	69.85	70		18	107
			2-Fluorobiphenyl	100	68.20	68		20	109
			2,4,6-Tribromophenol	150	92.71	62		10	110
			Terphenyl-d14	100	58.79	59		14	112
P2408-01MS	BIN-1MS	BG061144.D	2-Fluorophenol	150	102.77	69		18	112
			Phenol-d6	150	93.10	62		15	107
			Nitrobenzene-d5	100	62.42	62		18	107
			2-Fluorobiphenyl	100	63.14	63		20	109
			2,4,6-Tribromophenol	150	85.32	57		10	110
			Terphenyl-d14	100	53.09	53		14	112
P2408-01MSD	BIN-1MSD	BG061145.D	2-Fluorophenol	150	102.64	68		18	112
			Phenol-d6	150	92.00	61		15	107
			Nitrobenzene-d5	100	61.89	62		18	107
			2-Fluorobiphenyl	100	62.80	63		20	109
			2,4,6-Tribromophenol	150	83.93	56		10	110
			Terphenyl-d14	100	52.62	53		14	112

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BG050824

Lab Code: CHEM

SAS No.: BG050824

SDG NO.: BG050824

Lab File ID: BG061137.D

DFTPP Injection Date: 05/08/2024

Instrument ID: BNA_G

DFTPP Injection Time: 10:57

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.3
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	23.4
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	29.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.2
275	10.0 - 60.0% of mass 198	27.6
365	Greater than 1% of mass 198	4.6
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 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	BG061138.D	05/08/2024	11:37
PB160756BL	PB160756BL	BG061139.D	05/08/2024	12:18
TOP-SOIL-1	P2404-02	BG061140.D	05/08/2024	13:41
TOP-SOIL-2	P2404-04	BG061141.D	05/08/2024	14:23
TOP-SOIL-3	P2404-06	BG061142.D	05/08/2024	15:05
BIN-1	P2408-01	BG061143.D	05/08/2024	15:47
BIN-1MS	P2408-01MS	BG061144.D	05/08/2024	16:30
BIN-1MSD	P2408-01MSD	BG061145.D	05/08/2024	17:12