

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG050624 SAS No.: BG050624 SDG No.: BG050624

Instrument ID: BNA_G Calibration Date/Time: 5/6/2024 12:11:34

Lab File ID: BG061116.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	0.914		-18.683	
Pyridine	1.170	0.995		-14.957	
2-Fluorophenol	0.983	1.029		4.68	
Benzaldehyde	0.820	0.881		7.439	
Aniline	1.442	1.430		-0.832	
Phenol-d6	1.455	1.502		3.23	
Phenol	1.479	1.490		0.744	20.0
bis(2-Chloroethyl) ether	1.022	1.018		-0.391	
2-Chlorophenol	1.206	1.221		1.244	
1,2-Dichlorobenzene	1.418	1.426		0.564	
1,3-Dichlorobenzene	1.422	1.447		1.758	
1,4-Dichlorobenzene	1.470	1.441		-1.973	20.0
Benzyl Alcohol	1.312	1.262		-3.811	
2-Methylphenol	1.054	1.100		4.364	
2,2-oxybis(1-Chloropropane)	2.218	2.238		0.902	
Acetophenone	0.498	0.501		0.602	
3+4-Methylphenols	1.521	1.556		2.301	
n-Nitroso-di-n-propylamine	1.089	1.081	0.050	-0.735	
Nitrobenzene-d5	0.403	0.410		1.737	
Hexachloroethane	0.525	0.517		-1.524	
Nitrobenzene	0.395	0.400		1.266	
Isophorone	0.746	0.733		-1.743	
2-Nitrophenol	0.187	0.194		3.743	20.0
2,4-Dimethylphenol	0.216	0.217		0.463	
bis(2-Chloroethoxy) methane	0.366	0.375		2.459	
2,4-Dichlorophenol	0.338	0.342		1.183	20.0
1,2,4-Trichlorobenzene	0.407	0.409		0.491	
Benzoic acid	0.249	0.202		-18.876	
Naphthalene	1.039	1.029		-0.962	
4-Chloroaniline	0.415	0.404		-2.651	
Hexachlorobutadiene	0.349	0.361		3.438	20.0
Caprolactam	0.122	0.112		-8.197	
4-Chloro-3-methylphenol	0.407	0.413		1.474	20.0
2-Methylnaphthalene	0.779	0.774		-0.642	
Hexachlorocyclopentadiene	0.256	0.229	0.050	-10.547	
2,4,6-Trichlorophenol	0.429	0.412		-3.963	20.0
2-Fluorobiphenyl	1.353	1.382		2.143	
2,4,5-Trichlorophenol	0.485	0.481		-0.825	
1,1-Biphenyl	1.282	1.305		1.794	

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Lab File ID: BG061116.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	1.044		1.655	
2-Nitroaniline	0.381	0.382		0.262	
Dimethylphthalate	1.545	1.524		-1.359	
Acenaphthylene	1.577	1.607		1.902	
2,6-Dinitrotoluene	0.330	0.335		1.515	
3-Nitroaniline	0.302	0.308		1.987	
Acenaphthene	0.984	1.001		1.728	20.0
2,4-Dinitrophenol	0.213	0.192	0.050	-9.859	
4-Nitrophenol	0.244	0.243	0.050	-0.41	
Dibenzofuran	1.662	1.679		1.023	
2,4-Dinitrotoluene	0.489	0.497		1.636	
Diethylphthalate	1.558	1.516		-2.696	
4-Chlorophenyl-phenylether	0.863	0.846		-1.97	
Fluorene	1.438	1.452		0.974	
4-Nitroaniline	0.328	0.335		2.134	
4,6-Dinitro-2-methylphenol	0.124	0.123		-0.806	
n-Nitrosodiphenylamine	0.496	0.490		-1.21	20.0
Azobenzene	1.213	1.185		-2.308	
2,4,6-Tribromophenol	0.400	0.376		-6.0	
4-Bromophenyl-phenylether	0.236	0.237		0.424	
Hexachlorobenzene	0.293	0.292		-0.341	
Atrazine	0.205	0.189		-7.805	
Pentachlorophenol	0.180	0.146		-18.889	20.0
Phenanthrene	0.914	0.901		-1.422	
Anthracene	0.913	0.906		-0.767	
Carbazole	0.802	0.799		-0.374	
Di-n-butylphthalate	0.954	0.938		-1.677	
Fluoranthene	1.253	1.251		-0.16	20.0
Benzidine	0.328	0.385		17.378	
Pyrene	1.272	1.319		3.695	
Terphenyl-d14	1.203	1.241		3.159	
Butylbenzylphthalate	0.402	0.406		0.995	
3,3-Dichlorobenzidine	0.471	0.457		-2.972	
Benzo(a)anthracene	1.309	1.290		-1.451	
Chrysene	1.226	1.224		-0.163	
Bis(2-ethylhexyl)phthalate	0.526	0.539		2.471	
Di-n-octyl phthalate	0.927	0.917		-1.079	20.0
Benzo(b)fluoranthene	1.118	1.096		-1.968	
Benzo(k)fluoranthene	1.075	1.077		0.186	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG050624 SAS No.: BG050624 SDG No.: BG050624

Instrument ID: BNA_G Calibration Date/Time: 5/6/2024 12:11:34

Lab File ID: BG061116.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	0.952		-2.259	20.0
Indeno(1,2,3-cd)pyrene	1.325	1.329		0.302	
Dibenzo(a,h)anthracene	1.098	1.093		-0.455	
Benzo(g,h,i)perylene	1.091	1.089		-0.183	
1,2,4,5-Tetrachlorobenzene	0.667	0.685		2.699	
1,4-Dioxane	0.398	0.343		-13.819	20.0
2,3,4,6-Tetrachlorophenol	0.499	0.477		-4.409	
1-Methylnaphthalene	0.784	0.762		-2.806	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160699BL	SDG No.:	BG050624
Lab Sample ID:	PB160699BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	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
BG061117.D	1	5/3/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.8	U	86.8	270	330	ug/Kg
110-86-1	Pyridine	79.9	U	79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.9	U	96.9	130	170	ug/Kg
108-95-2	Phenol	82.9	U	82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.6	U	84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	86	U	86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.5	U	86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	83	U	83	270	330	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	130	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	83	U	83	130	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	130	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.4	U	85.4	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160699BL	SDG No.:	BG050624
Lab Sample ID:	PB160699BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 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
BG061117.D	1	5/3/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.8	U	86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	U	74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.4	U	87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	95	U	95	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	86.5	U	86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	130	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	130	170	ug/Kg
Total PAH	Total PAH	1325.1	U	1325.1	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	84.4	U	84.4	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169.4	U	169.4	130	340	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	130	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	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	81.6	U	81.6	130	170	ug/Kg
103-33-3	Azobenzene	79.6	U	79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	85	U	85	130	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160699BL	SDG No.:	BG050624
Lab Sample ID:	PB160699BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 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
BG061117.D	1	5/3/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	84	U	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83	U	83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	130	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	149.496		18-112		100	SPK: -150
13127-88-3	Phenol-d6	133.324		15-107		89	SPK: -150
4165-60-0	Nitrobenzene-d5	88.58		18-107		89	SPK: -100
321-60-8	2-Fluorobiphenyl	86.945		20-109		87	SPK: -100

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160699BL	SDG No.:	BG050624
Lab Sample ID:	PB160699BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 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
BG061117.D	1	5/3/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	133.641		10-110		89	SPK: -150
1718-51-0	Terphenyl-d14	89.022		14-112		89	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	18304	7.936				
1146-65-2	Naphthalene-d8	69161	10.733				
15067-26-2	Acenaphthene-d10	60869	14.564				
1517-22-2	Phenanthrene-d10	170438	17.314				
1719-03-5	Chrysene-d12	197451	21.568				
1520-96-3	Perylene-d12	222555	24.699				

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160699BS	SDG No.:	BG050624
Lab Sample ID:	PB160699BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061118.D	1	5/3/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1200		86.7	270	330	ug/Kg
110-86-1	Pyridine	980		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	1100		180	270	330	ug/Kg
62-53-3	Aniline	1100		96.8	130	170	ug/Kg
108-95-2	Phenol	1600		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	1600		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1400		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1400		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1400		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1500		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	1400		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	1400		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.7	130	170	ug/Kg
78-59-1	Isophorone	1300		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1500		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		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	1400		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1100		240	270	330	ug/Kg
91-20-3	Naphthalene	1400		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	980		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1300		83.2	130	170	ug/Kg



Client:				Date Collected:	5/3/2024 12:00:00 AM	
Project:				Date Received:	5/3/2024 12:00:00 AM	
Client Sample ID:	PB160699BS			SDG No.:	BG050624	
Lab Sample ID:	PB160699BS			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
BG061118.D	1	5/3/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1500		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4000	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1500		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1400		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1500		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	1000		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1400		81	130	170	ug/Kg
Total PAH	Total PAH	23800		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2700		240	270	330	ug/Kg
100-02-7	4-Nitrophenol	2900	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1400		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2800		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1400		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.5	130	170	ug/Kg
86-73-7	Fluorene	1400		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1400		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1400		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		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	1400		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1600		91.3	130	170	ug/Kg



Client:				Date Collected:	5/3/2024 12:00:00 AM	
Project:				Date Received:	5/3/2024 12:00:00 AM	
Client Sample ID:	PB160699BS			SDG No.:	BG050624	
Lab Sample ID:	PB160699BS			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
BG061118.D	1	5/3/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2500		77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1500		83.9	130	170	ug/Kg
120-12-7	Anthracene	1500		84.3	130	170	ug/Kg
86-74-8	Carbazole	1500		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1400		81.6	130	170	ug/Kg
92-87-5	Benzidine	1300		160	270	330	ug/Kg
129-00-0	Pyrene	1500		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	1500		80.6	130	170	ug/Kg
218-01-9	Chrysene	1500		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	1400		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		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	1600		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1000		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1300		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	155.212		18-112		103	SPK: -150
13127-88-3	Phenol-d6	145.045		15-107		97	SPK: -150
4165-60-0	Nitrobenzene-d5	82.485		18-107		82	SPK: -100
321-60-8	2-Fluorobiphenyl	80.853		20-109		81	SPK: -100

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160699BS	SDG No.:	BG050624
Lab Sample ID:	PB160699BS	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
BG061118.D	1	5/3/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	130.401		10-110		87	SPK: -150
1718-51-0	Terphenyl-d14	84.872		14-112		85	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	19147	7.941				
1146-65-2	Naphthalene-d8	83134	10.732				
15067-26-2	Acenaphthene-d10	74929	14.569				
1517-22-2	Phenanthrene-d10	196538	17.313				
1719-03-5	Chrysene-d12	196873	21.572				
1520-96-3	Perylene-d12	217809	24.698				



Client:			Date Collected:	5/3/2024 12:00:00 AM	
Project:			Date Received:	5/3/2024 12:00:00 AM	
Client Sample ID:	WC-A-COMP		SDG No.:	BG050624	
Lab Sample ID:	P2375-01		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	0	
Sample Wt/Vol:	30.09	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:		
Extraction Type :	Decanted :		Level :	LOW	
Injection Volume :	GPC Factor :		GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061119.D	1	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.5	U	86.5	270	330	ug/Kg
110-86-1	Pyridine	79.7	U	79.7	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.6	U	96.6	130	170	ug/Kg
108-95-2	Phenol	82.7	U	82.7	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.4	U	83.4	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.3	U	83.3	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.3	U	84.3	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	85.7	U	85.7	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.2	U	86.2	130	170	ug/Kg
100-51-6	Benzyl Alcohol	82.8	U	82.8	270	330	ug/Kg
95-48-7	2-Methylphenol	80.4	U	80.4	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.6	U	90.6	130	170	ug/Kg
98-86-2	Acetophenone	86.6	U	86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.6	U	79.6	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.2	U	40.2	79.8	79.8	ug/Kg
67-72-1	Hexachloroethane	82.8	U	82.8	130	170	ug/Kg
98-95-3	Nitrobenzene	90.5	U	90.5	130	170	ug/Kg
78-59-1	Isophorone	84.3	U	84.3	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.2	U	94.2	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	92.9	U	92.9	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.5	U	85.5	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.3	U	75.3	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.1	U	85.1	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.4	U	82.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.4	U	82.4	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.1	U	83.1	130	170	ug/Kg



Client:				Date Collected:	5/3/2024 12:00:00 AM	
Project:				Date Received:	5/3/2024 12:00:00 AM	
Client Sample ID:	WC-A-COMP			SDG No.:	BG050624	
Lab Sample ID:	P2375-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	30.09	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061119.D	1	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.5	U	86.5	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.3	U	77.3	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.3	U	82.3	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.2	U	71.2	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.8	U	73.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.1	U	87.1	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.1	U	83.1	130	170	ug/Kg
88-74-4	2-Nitroaniline	94.7	U	94.7	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.5	U	81.5	130	170	ug/Kg
208-96-8	Acenaphthylene	86.2	U	86.2	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83	U	83	130	170	ug/Kg
99-09-2	3-Nitroaniline	88.9	U	88.9	130	170	ug/Kg
83-32-9	Acenaphthene	80.9	U	80.9	130	170	ug/Kg
Total PAH	Total PAH	1321.4	U	1321.4	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	84.1	U	84.1	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	168.9	U	168.9	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	85.9	U	85.9	130	170	ug/Kg
84-66-2	Diethylphthalate	79.9	U	79.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.3	U	85.3	130	170	ug/Kg
86-73-7	Fluorene	85.2	U	85.2	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	81.4	U	81.4	130	170	ug/Kg
103-33-3	Azobenzene	79.4	U	79.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.7	U	78.7	130	170	ug/Kg
118-74-1	Hexachlorobenzene	84.7	U	84.7	130	170	ug/Kg
1912-24-9	Atrazine	91.1	U	91.1	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	WC-A-COMP	SDG No.:	BG050624
Lab Sample ID:	P2375-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061119.D	1	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.1	U	77.1	270	330	ug/Kg
85-01-8	Phenanthrene	83.7	U	83.7	130	170	ug/Kg
120-12-7	Anthracene	84.1	U	84.1	130	170	ug/Kg
86-74-8	Carbazole	80.1	U	80.1	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84	U	84	130	170	ug/Kg
206-44-0	Fluoranthene	93.8	J	81.5	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	93.9	J	82.8	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.5	U	96.5	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.3	U	98.3	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.5	U	80.5	130	170	ug/Kg
218-01-9	Chrysene	79.3	U	79.3	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.7	U	90.7	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	91.1	J	80.9	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.4	U	82.4	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.7	U	92.7	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	77.9	U	77.9	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81	U	81	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	79.9	U	79.9	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.5	U	86.5	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	74.5	U	74.5	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83	U	83	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	91.888		18-112		61	SPK: -150
13127-88-3	Phenol-d6	83.476		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	55.72		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	60.146		20-109		60	SPK: -100

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	WC-A-COMP	SDG No.:	BG050624
Lab Sample ID:	P2375-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061119.D	1	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	79.475		10-110		53	SPK: -150
1718-51-0	Terphenyl-d14	54.736		14-112		55	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	28143	7.935				
1146-65-2	Naphthalene-d8	110082	10.726				
15067-26-2	Acenaphthene-d10	82240	14.563				
1517-22-2	Phenanthrene-d10	188843	17.312				
1719-03-5	Chrysene-d12	189347	21.572				
1520-96-3	Perylene-d12	157444	24.692				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	950	J			3.152	
	unknown3.670	180	J			3.67	
000770-35-4	1-Phenoxypropan-2-ol	75.8	J			11.466	
000057-10-3	n-Hexadecanoic acid	130	J			18.211	
000629-73-2	Cetene	100	J			21.243	

Report of Analysis

Client:				Date Collected:	5/2/2024 12:00:00 AM		
Project:				Date Received:	5/2/2024 12:00:00 AM		
Client Sample ID:	BG-1			SDG No.:	BG050624		
Lab Sample ID:	P2390-02			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	0		
Sample Wt/Vol:	30.01	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
BG061120.D	1	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.8	U	86.8	270	330	ug/Kg
110-86-1	Pyridine	79.9	U	79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.9	U	96.9	130	170	ug/Kg
108-95-2	Phenol	82.9	U	82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.6	U	84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	86	U	86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.5	U	86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	83	U	83	270	330	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	130	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	83	U	83	130	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	130	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.4	U	85.4	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	130	170	ug/Kg

Report of Analysis

Client:				Date Collected:	5/2/2024 12:00:00 AM		
Project:				Date Received:	5/2/2024 12:00:00 AM		
Client Sample ID:	BG-1			SDG No.:	BG050624		
Lab Sample ID:	P2390-02			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	0		
Sample Wt/Vol:	30.01	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
BG061120.D	1	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.8	U	86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	U	74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.4	U	87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	95	U	95	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	86.5	U	86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	130	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	130	170	ug/Kg
Total PAH	Total PAH	1325.1	U	1325.1	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	84.4	U	84.4	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169.4	U	169.4	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	130	170	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	130	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	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	81.6	U	81.6	130	170	ug/Kg
103-33-3	Azobenzene	79.6	U	79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	85	U	85	130	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	BG-1	SDG No.:	BG050624
Lab Sample ID:	P2390-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	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
BG061120.D	1	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	150	J	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	270		81.7	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	200		83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	97.7	J	80.7	130	170	ug/Kg
218-01-9	Chrysene	140	J	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	170		81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	J	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	110	J	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	72.104		18-112		48	SPK: -150
13127-88-3	Phenol-d6	70.712		15-107		47	SPK: -150
4165-60-0	Nitrobenzene-d5	49.232		18-107		49	SPK: -100
321-60-8	2-Fluorobiphenyl	51.402		20-109		51	SPK: -100

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	BG-1	SDG No.:	BG050624
Lab Sample ID:	P2390-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	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
BG061120.D	1	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	67.054		10-110		45	SPK: -150
1718-51-0	Terphenyl-d14	44.696		14-112		45	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	28925	7.935				
1146-65-2	Naphthalene-d8	113356	10.732				
15067-26-2	Acenaphthene-d10	86829	14.563				
1517-22-2	Phenanthrene-d10	192104	17.312				
1719-03-5	Chrysene-d12	191825	21.572				
1520-96-3	Perylene-d12	160802	24.692				

Report of Analysis

Client:				Date Collected:	5/2/2024 12:00:00 AM		
Project:				Date Received:	5/2/2024 12:00:00 AM		
Client Sample ID:	BG-2			SDG No.:	BG050624		
Lab Sample ID:	P2390-03			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	0		
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
BG061121.D	1	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.6	U	86.6	270	330	ug/Kg
110-86-1	Pyridine	79.7	U	79.7	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.7	U	96.7	130	170	ug/Kg
108-95-2	Phenol	82.7	U	82.7	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.5	U	83.5	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.3	U	83.3	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.4	U	84.4	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	85.8	U	85.8	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.3	U	86.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	82.8	U	82.8	270	330	ug/Kg
95-48-7	2-Methylphenol	80.4	U	80.4	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.7	U	90.7	130	170	ug/Kg
98-86-2	Acetophenone	86.7	U	86.7	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.6	U	79.6	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.2	U	40.2	79.8	79.8	ug/Kg
67-72-1	Hexachloroethane	82.8	U	82.8	130	170	ug/Kg
98-95-3	Nitrobenzene	90.6	U	90.6	130	170	ug/Kg
78-59-1	Isophorone	84.4	U	84.4	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.3	U	94.3	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93	U	93	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.6	U	85.6	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.3	U	75.3	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.2	U	85.2	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.4	U	82.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.4	U	82.4	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.1	U	83.1	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	BG-2	SDG No.:	BG050624
Lab Sample ID:	P2390-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BG061121.D	1	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.6	U	86.6	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.3	U	77.3	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.3	U	82.3	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	87.2	U	87.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.1	U	83.1	130	170	ug/Kg
88-74-4	2-Nitroaniline	94.8	U	94.8	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.5	U	81.5	130	170	ug/Kg
208-96-8	Acenaphthylene	86.3	U	86.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83	U	83	130	170	ug/Kg
99-09-2	3-Nitroaniline	89	U	89	130	170	ug/Kg
83-32-9	Acenaphthene	80.9	U	80.9	130	170	ug/Kg
Total PAH	Total PAH	2682.3	U	1321.9	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	84.2	U	84.2	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169	U	169	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	86	U	86	130	170	ug/Kg
84-66-2	Diethylphthalate	79.9	U	79.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.4	U	85.4	130	170	ug/Kg
86-73-7	Fluorene	85.3	U	85.3	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	81.4	U	81.4	130	170	ug/Kg
103-33-3	Azobenzene	79.4	U	79.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.7	U	78.7	130	170	ug/Kg
118-74-1	Hexachlorobenzene	84.8	U	84.8	130	170	ug/Kg
1912-24-9	Atrazine	91.2	U	91.2	130	170	ug/Kg

Report of Analysis

Client:				Date Collected:	5/2/2024 12:00:00 AM		
Project:				Date Received:	5/2/2024 12:00:00 AM		
Client Sample ID:	BG-2			SDG No.:	BG050624		
Lab Sample ID:	P2390-03			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	0		
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
BG061121.D	1	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.1	U	77.1	270	330	ug/Kg
85-01-8	Phenanthrene	220		83.8	130	170	ug/Kg
120-12-7	Anthracene	84.2	U	84.2	130	170	ug/Kg
86-74-8	Carbazole	80.1	U	80.1	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.1	U	84.1	130	170	ug/Kg
206-44-0	Fluoranthene	530		81.5	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	410		82.8	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.6	U	96.6	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.4	U	98.4	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	210		80.5	130	170	ug/Kg
218-01-9	Chrysene	300		79.3	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.8	U	90.8	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	370		80.9	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	210		82.4	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	230		92.8	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	92.3	J	77.9	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81	U	81	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	J	79.9	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.6	U	86.6	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	U	83	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	64.22		18-112		43	SPK: -150
13127-88-3	Phenol-d6	62.653		15-107		42	SPK: -150
4165-60-0	Nitrobenzene-d5	42.031		18-107		42	SPK: -100
321-60-8	2-Fluorobiphenyl	45.556		20-109		46	SPK: -100

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	BG-2	SDG No.:	BG050624
Lab Sample ID:	P2390-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BG061121.D	1	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	59.693		10-110		40	SPK: -150
1718-51-0	Terphenyl-d14	37.738		14-112		38	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	26335	7.93				
1146-65-2	Naphthalene-d8	104355	10.733				
15067-26-2	Acenaphthene-d10	77493	14.564				
1517-22-2	Phenanthrene-d10	176874	17.307				
1719-03-5	Chrysene-d12	178116	21.573				
1520-96-3	Perylene-d12	147541	24.699				

Report of Analysis

Client:				Date Collected:	5/2/2024 12:00:00 AM		
Project:				Date Received:	5/2/2024 12:00:00 AM		
Client Sample ID:	BG-3			SDG No.:	BG050624		
Lab Sample ID:	P2390-04			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	0		
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :				Decanted :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061122.D	1	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

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	96.7	U	96.7	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)	90.7	U	90.7	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	40.2	U	40.2	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	82.9	U	82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	90.6	U	90.6	130	170	ug/Kg
78-59-1	Isophorone	84.5	U	84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.3	U	94.3	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93	U	93	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:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	BG-3	SDG No.:	BG050624
Lab Sample ID:	P2390-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061122.D	1	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

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	94.8	U	94.8	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	3190	U	1323.4	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	91.2	U	91.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	BG-3	SDG No.:	BG050624
Lab Sample ID:	P2390-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061122.D	1	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

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	250		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	600		81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	500		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.6	U	96.6	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.4	U	98.4	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	280		80.6	130	170	ug/Kg
218-01-9	Chrysene	380		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.8	U	90.8	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	500		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	260		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	290		92.8	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	J	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	61.345		18-112		41	SPK: -150
13127-88-3	Phenol-d6	61.815		15-107		41	SPK: -150
4165-60-0	Nitrobenzene-d5	43.417		18-107		43	SPK: -100
321-60-8	2-Fluorobiphenyl	47.042		20-109		47	SPK: -100

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	BG-3	SDG No.:	BG050624
Lab Sample ID:	P2390-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061122.D	1	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	61.609		10-110		41	SPK: -150
1718-51-0	Terphenyl-d14	40.337		14-112		40	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	29948	7.934				
1146-65-2	Naphthalene-d8	115914	10.731				
15067-26-2	Acenaphthene-d10	87297	14.562				
1517-22-2	Phenanthrene-d10	195177	17.311				
1719-03-5	Chrysene-d12	190171	21.571				
1520-96-3	Perylene-d12	145585	24.697				

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	OR-02-05032024	SDG No.:	BG050624
Lab Sample ID:	P2378-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.1
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
BG061123.D	5	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	290	U	290	900	1100	ug/Kg
110-86-1	Pyridine	270	U	270	430	570	ug/Kg
100-52-7	Benzaldehyde	610	U	610	900	1100	ug/Kg
62-53-3	Aniline	320	U	320	430	570	ug/Kg
108-95-2	Phenol	280	U	280	430	570	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	280	U	280	430	570	ug/Kg
95-57-8	2-Chlorophenol	280	U	280	430	570	ug/Kg
95-50-1	1,2-Dichlorobenzene	280	U	280	430	570	ug/Kg
541-73-1	1,3-Dichlorobenzene	290	U	290	430	570	ug/Kg
106-46-7	1,4-Dichlorobenzene	290	U	290	430	570	ug/Kg
100-51-6	Benzyl Alcohol	280	U	280	900	1100	ug/Kg
95-48-7	2-Methylphenol	270	U	270	430	570	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	300	U	300	430	570	ug/Kg
98-86-2	Acetophenone	290	U	290	430	570	ug/Kg
65794-96-9	3+4-Methylphenols	270	U	270	900	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	130	U	130	270	270	ug/Kg
67-72-1	Hexachloroethane	280	U	280	430	570	ug/Kg
98-95-3	Nitrobenzene	300	U	300	430	570	ug/Kg
78-59-1	Isophorone	280	U	280	430	570	ug/Kg
88-75-5	2-Nitrophenol	310	U	310	430	570	ug/Kg
105-67-9	2,4-Dimethylphenol	310	U	310	430	570	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	290	U	290	430	570	ug/Kg
120-83-2	2,4-Dichlorophenol	250	U	250	430	570	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	280	U	280	430	570	ug/Kg
65-85-0	Benzoic acid	790	U	790	900	1100	ug/Kg
91-20-3	Naphthalene	280	U	280	430	570	ug/Kg
106-47-8	4-Chloroaniline	280	U	280	430	570	ug/Kg
87-68-3	Hexachlorobutadiene	280	U	280	430	570	ug/Kg

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	OR-02-05032024	SDG No.:	BG050624
Lab Sample ID:	P2378-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.1
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
BG061123.D	5	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	290	U	290	900	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	260	U	260	430	570	ug/Kg
91-57-6	2-Methylnaphthalene	270	U	270	430	570	ug/Kg
77-47-4	Hexachlorocyclopentadiene	520	U	520	900	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	240	U	240	430	570	ug/Kg
95-95-4	2,4,5-Trichlorophenol	250	U	250	430	570	ug/Kg
92-52-4	1,1-Biphenyl	290	U	290	430	570	ug/Kg
91-58-7	2-Chloronaphthalene	280	U	280	430	570	ug/Kg
88-74-4	2-Nitroaniline	320	U	320	430	570	ug/Kg
131-11-3	Dimethylphthalate	270	U	270	430	570	ug/Kg
208-96-8	Acenaphthylene	290	U	290	430	570	ug/Kg
606-20-2	2,6-Dinitrotoluene	280	U	280	430	570	ug/Kg
99-09-2	3-Nitroaniline	300	U	300	430	570	ug/Kg
83-32-9	Acenaphthene	270	U	270	430	570	ug/Kg
Total PAH	Total PAH	8820	U	4420	430	9120	ug/Kg
51-28-5	2,4-Dinitrophenol	810	U	810	900	1100	ug/Kg
100-02-7	4-Nitrophenol	390	U	390	900	1100	ug/Kg
132-64-9	Dibenzofuran	280	U	280	430	570	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	570	U	570	430	1140	ug/Kg
121-14-2	2,4-Dinitrotoluene	290	U	290	430	570	ug/Kg
84-66-2	Diethylphthalate	270	U	270	430	570	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	290	U	290	430	570	ug/Kg
86-73-7	Fluorene	280	U	280	430	570	ug/Kg
100-01-6	4-Nitroaniline	360	U	360	430	570	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	390	U	390	900	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	270	U	270	430	570	ug/Kg
103-33-3	Azobenzene	270	U	270	430	570	ug/Kg
101-55-3	4-Bromophenyl-phenylether	260	U	260	430	570	ug/Kg
118-74-1	Hexachlorobenzene	280	U	280	430	570	ug/Kg
1912-24-9	Atrazine	300	U	300	430	570	ug/Kg

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	OR-02-05032024	SDG No.:	BG050624
Lab Sample ID:	P2378-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.1
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
BG061123.D	5	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	260	U	260	900	1100	ug/Kg
85-01-8	Phenanthrene	1500		280	430	570	ug/Kg
120-12-7	Anthracene	280	U	280	430	570	ug/Kg
86-74-8	Carbazole	270	U	270	430	570	ug/Kg
84-74-2	Di-n-butylphthalate	280	U	280	430	570	ug/Kg
206-44-0	Fluoranthene	1900		270	430	570	ug/Kg
92-87-5	Benzidine	540	U	540	900	1100	ug/Kg
129-00-0	Pyrene	1600		280	430	570	ug/Kg
85-68-7	Butylbenzylphthalate	320	U	320	430	570	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	330	900	1100	ug/Kg
56-55-3	Benzo(a)anthracene	760		270	430	570	ug/Kg
218-01-9	Chrysene	870		260	430	570	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	300	U	300	430	570	ug/Kg
117-84-0	Di-n-octyl phthalate	370	U	370	900	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		270	430	570	ug/Kg
207-08-9	Benzo(k)fluoranthene	460	J	280	430	570	ug/Kg
50-32-8	Benzo(a)pyrene	630		310	430	570	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	260	U	260	430	570	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	270	U	270	430	570	ug/Kg
191-24-2	Benzo(g,h,i)perylene	270	U	270	430	570	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	290	U	290	430	570	ug/Kg
123-91-1	1,4-Dioxane	370	U	370	430	570	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	250	430	570	ug/Kg
90-12-0	1-Methylnaphthalene	280	U	280	570	570	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	88.84		18-112		59	SPK: -150
13127-88-3	Phenol-d6	82.67		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	54.95		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	60.985		20-109		61	SPK: -100

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	OR-02-05032024	SDG No.:	BG050624
Lab Sample ID:	P2378-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.1
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
BG061123.D	5	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	78.89		10-110		53	SPK: -150
1718-51-0	Terphenyl-d14	58.675		14-112		59	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	29355	7.937				
1146-65-2	Naphthalene-d8	111022	10.734				
15067-26-2	Acenaphthene-d10	80987	14.565				
1517-22-2	Phenanthrene-d10	183407	17.314				
1719-03-5	Chrysene-d12	170588	21.574				
1520-96-3	Perylene-d12	139879	24.7				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	770	J			3.16	
000832-69-9	Phenanthrene, 1-methyl-	230	J			18.19	
002531-84-2	Phenanthrene, 2-methyl-	250	J			18.237	
083469-43-6	6H-Cyclobuta[jk]phenanthrene	400	J			18.384	



Client:				Date Collected:	5/3/2024 12:00:00 AM	
Project:				Date Received:	5/3/2024 12:00:00 AM	
Client Sample ID:	EO-01-050324-A			SDG No.:	BG050624	
Lab Sample ID:	P2386-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	11.8	
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
BG061124.D	5	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	290	U	290	920	1100	ug/Kg
110-86-1	Pyridine	270	U	270	440	580	ug/Kg
100-52-7	Benzaldehyde	620	U	620	920	1100	ug/Kg
62-53-3	Aniline	330	U	330	440	580	ug/Kg
108-95-2	Phenol	280	U	280	440	580	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	280	U	280	440	580	ug/Kg
95-57-8	2-Chlorophenol	280	U	280	440	580	ug/Kg
95-50-1	1,2-Dichlorobenzene	290	U	290	440	580	ug/Kg
541-73-1	1,3-Dichlorobenzene	290	U	290	440	580	ug/Kg
106-46-7	1,4-Dichlorobenzene	290	U	290	440	580	ug/Kg
100-51-6	Benzyl Alcohol	280	U	280	920	1100	ug/Kg
95-48-7	2-Methylphenol	270	U	270	440	580	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	310	U	310	440	580	ug/Kg
98-86-2	Acetophenone	300	U	300	440	580	ug/Kg
65794-96-9	3+4-Methylphenols	270	U	270	920	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	140	U	140	270	270	ug/Kg
67-72-1	Hexachloroethane	280	U	280	440	580	ug/Kg
98-95-3	Nitrobenzene	310	U	310	440	580	ug/Kg
78-59-1	Isophorone	290	U	290	440	580	ug/Kg
88-75-5	2-Nitrophenol	320	U	320	440	580	ug/Kg
105-67-9	2,4-Dimethylphenol	320	U	320	440	580	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	290	U	290	440	580	ug/Kg
120-83-2	2,4-Dichlorophenol	260	U	260	440	580	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	290	U	290	440	580	ug/Kg
65-85-0	Benzoic acid	800	U	800	920	1100	ug/Kg
91-20-3	Naphthalene	280	U	280	440	580	ug/Kg
106-47-8	4-Chloroaniline	280	U	280	440	580	ug/Kg
87-68-3	Hexachlorobutadiene	280	U	280	440	580	ug/Kg

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	EO-01-050324-A	SDG No.:	BG050624
Lab Sample ID:	P2386-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
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
BG061124.D	5	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	290	U	290	920	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	260	U	260	440	580	ug/Kg
91-57-6	2-Methylnaphthalene	280	U	280	440	580	ug/Kg
77-47-4	Hexachlorocyclopentadiene	530	U	530	920	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	240	U	240	440	580	ug/Kg
95-95-4	2,4,5-Trichlorophenol	250	U	250	440	580	ug/Kg
92-52-4	1,1-Biphenyl	300	U	300	440	580	ug/Kg
91-58-7	2-Chloronaphthalene	280	U	280	440	580	ug/Kg
88-74-4	2-Nitroaniline	320	U	320	440	580	ug/Kg
131-11-3	Dimethylphthalate	280	U	280	440	580	ug/Kg
208-96-8	Acenaphthylene	290	U	290	440	580	ug/Kg
606-20-2	2,6-Dinitrotoluene	280	U	280	440	580	ug/Kg
99-09-2	3-Nitroaniline	300	U	300	440	580	ug/Kg
83-32-9	Acenaphthene	280	U	280	440	580	ug/Kg
Total PAH	Total PAH	4520	U	4520	440	9280	ug/Kg
51-28-5	2,4-Dinitrophenol	830	U	830	920	1100	ug/Kg
100-02-7	4-Nitrophenol	390	U	390	920	1100	ug/Kg
132-64-9	Dibenzofuran	290	U	290	440	580	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	570	U	570	440	1160	ug/Kg
121-14-2	2,4-Dinitrotoluene	290	U	290	440	580	ug/Kg
84-66-2	Diethylphthalate	270	U	270	440	580	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	290	U	290	440	580	ug/Kg
86-73-7	Fluorene	290	U	290	440	580	ug/Kg
100-01-6	4-Nitroaniline	360	U	360	440	580	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	400	U	400	920	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	280	U	280	440	580	ug/Kg
103-33-3	Azobenzene	270	U	270	440	580	ug/Kg
101-55-3	4-Bromophenyl-phenylether	270	U	270	440	580	ug/Kg
118-74-1	Hexachlorobenzene	290	U	290	440	580	ug/Kg
1912-24-9	Atrazine	310	U	310	440	580	ug/Kg

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	EO-01-050324-A	SDG No.:	BG050624
Lab Sample ID:	P2386-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
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
BG061124.D	5	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	260	U	260	920	1100	ug/Kg
85-01-8	Phenanthrene	290	U	290	440	580	ug/Kg
120-12-7	Anthracene	290	U	290	440	580	ug/Kg
86-74-8	Carbazole	270	U	270	440	580	ug/Kg
84-74-2	Di-n-butylphthalate	290	U	290	440	580	ug/Kg
206-44-0	Fluoranthene	280	U	280	440	580	ug/Kg
92-87-5	Benzidine	550	U	550	920	1100	ug/Kg
129-00-0	Pyrene	280	U	280	440	580	ug/Kg
85-68-7	Butylbenzylphthalate	330	U	330	440	580	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	330	920	1100	ug/Kg
56-55-3	Benzo(a)anthracene	270	U	270	440	580	ug/Kg
218-01-9	Chrysene	270	U	270	440	580	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	310	U	310	440	580	ug/Kg
117-84-0	Di-n-octyl phthalate	370	U	370	920	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	280	U	280	440	580	ug/Kg
207-08-9	Benzo(k)fluoranthene	280	U	280	440	580	ug/Kg
50-32-8	Benzo(a)pyrene	320	U	320	440	580	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	270	U	270	440	580	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	280	U	280	440	580	ug/Kg
191-24-2	Benzo(g,h,i)perylene	270	U	270	440	580	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	290	U	290	440	580	ug/Kg
123-91-1	1,4-Dioxane	370	U	370	440	580	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	250	440	580	ug/Kg
90-12-0	1-Methylnaphthalene	280	U	280	580	580	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	98.505		18-112		66	SPK: -150
13127-88-3	Phenol-d6	93.16		15-107		62	SPK: -150
4165-60-0	Nitrobenzene-d5	61.58		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	63.005		20-109		63	SPK: -100

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	EO-01-050324-A	SDG No.:	BG050624
Lab Sample ID:	P2386-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
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
BG061124.D	5	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	85.035		10-110		57	SPK: -150
1718-51-0	Terphenyl-d14	61.53		14-112		62	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	29092	7.94				
1146-65-2	Naphthalene-d8	113886	10.731				
15067-26-2	Acenaphthene-d10	87260	14.567				
1517-22-2	Phenanthrene-d10	192326	17.311				
1719-03-5	Chrysene-d12	185628	21.571				
1520-96-3	Perylene-d12	134884	24.697				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	930	J			3.157	



Client:			Date Collected:	5/3/2024 12:00:00 AM	
Project:			Date Received:	5/3/2024 12:00:00 AM	
Client Sample ID:	EO-01-050324-AMS		SDG No.:	BG050624	
Lab Sample ID:	P2386-01MS		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	11.8	
Sample Wt/Vol:	50.07	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:	uL		Test:		
Extraction Type :	Decanted :		Level :	LOW	
Injection Volume :	GPC Factor :		GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061125.D	5	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	690	J	290	920	1100	ug/Kg
110-86-1	Pyridine	650		270	440	580	ug/Kg
100-52-7	Benzaldehyde	620	U	620	920	1100	ug/Kg
62-53-3	Aniline	710		330	440	580	ug/Kg
108-95-2	Phenol	990		280	440	580	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	940		280	440	580	ug/Kg
95-57-8	2-Chlorophenol	1000		280	440	580	ug/Kg
95-50-1	1,2-Dichlorobenzene	970		290	440	580	ug/Kg
541-73-1	1,3-Dichlorobenzene	990		290	440	580	ug/Kg
106-46-7	1,4-Dichlorobenzene	970		290	440	580	ug/Kg
100-51-6	Benzyl Alcohol	870	J	280	920	1100	ug/Kg
95-48-7	2-Methylphenol	1000		270	440	580	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		310	440	580	ug/Kg
98-86-2	Acetophenone	1000		300	440	580	ug/Kg
65794-96-9	3+4-Methylphenols	950	J	270	920	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	850		140	270	270	ug/Kg
67-72-1	Hexachloroethane	730		280	440	580	ug/Kg
98-95-3	Nitrobenzene	930		310	440	580	ug/Kg
78-59-1	Isophorone	850		290	440	580	ug/Kg
88-75-5	2-Nitrophenol	840		320	440	580	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		320	440	580	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	990		290	440	580	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		260	440	580	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100		290	440	580	ug/Kg
65-85-0	Benzoic acid	800	U	800	920	1100	ug/Kg
91-20-3	Naphthalene	1000		280	440	580	ug/Kg
106-47-8	4-Chloroaniline	720		280	440	580	ug/Kg
87-68-3	Hexachlorobutadiene	1100		280	440	580	ug/Kg



Client:			Date Collected:	5/3/2024 12:00:00 AM			
Project:			Date Received:	5/3/2024 12:00:00 AM			
Client Sample ID:	EO-01-050324-AMS			SDG No.:	BG050624		
Lab Sample ID:	P2386-01MS			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	11.8		
Sample Wt/Vol:	50.07	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:	uL			Test:			
Extraction Type :	Decanted :			Level :	LOW		
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061125.D	5	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	770	J	290	920	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	900		260	440	580	ug/Kg
91-57-6	2-Methylnaphthalene	970		280	440	580	ug/Kg
77-47-4	Hexachlorocyclopentadiene	530	U	530	920	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		240	440	580	ug/Kg
95-95-4	2,4,5-Trichlorophenol	980		250	440	580	ug/Kg
92-52-4	1,1-Biphenyl	1100		300	440	580	ug/Kg
91-58-7	2-Chloronaphthalene	1100		280	440	580	ug/Kg
88-74-4	2-Nitroaniline	1100		320	440	580	ug/Kg
131-11-3	Dimethylphthalate	920		280	440	580	ug/Kg
208-96-8	Acenaphthylene	1100		290	440	580	ug/Kg
606-20-2	2,6-Dinitrotoluene	770		280	440	580	ug/Kg
99-09-2	3-Nitroaniline	1000		300	440	580	ug/Kg
83-32-9	Acenaphthene	1000		280	440	580	ug/Kg
Total PAH	Total PAH	16640		4520	440	9280	ug/Kg
51-28-5	2,4-Dinitrophenol	830	U	830	920	1100	ug/Kg
100-02-7	4-Nitrophenol	1600		390	920	1100	ug/Kg
132-64-9	Dibenzofuran	1000		290	440	580	ug/Kg
121-14-2	2,4-Dinitrotoluene	730		290	440	580	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	500		570	440	1160	ug/Kg
84-66-2	Diethylphthalate	890		270	440	580	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		290	440	580	ug/Kg
86-73-7	Fluorene	980		290	440	580	ug/Kg
100-01-6	4-Nitroaniline	1000		360	440	580	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	400	U	400	920	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		280	440	580	ug/Kg
103-33-3	Azobenzene	990		270	440	580	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		270	440	580	ug/Kg
118-74-1	Hexachlorobenzene	1100		290	440	580	ug/Kg
1912-24-9	Atrazine	1100		310	440	580	ug/Kg

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	EO-01-050324-AMS	SDG No.:	BG050624
Lab Sample ID:	P2386-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061125.D	5	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1600		260	920	1100	ug/Kg
85-01-8	Phenanthrene	1300		290	440	580	ug/Kg
120-12-7	Anthracene	1100		290	440	580	ug/Kg
86-74-8	Carbazole	1100		270	440	580	ug/Kg
84-74-2	Di-n-butylphthalate	1000		290	440	580	ug/Kg
206-44-0	Fluoranthene	1100		280	440	580	ug/Kg
92-87-5	Benzidine	1200		550	920	1100	ug/Kg
129-00-0	Pyrene	1300		280	440	580	ug/Kg
85-68-7	Butylbenzylphthalate	1100		330	440	580	ug/Kg
91-94-1	3,3-Dichlorobenzidine	940	J	330	920	1100	ug/Kg
56-55-3	Benzo(a)anthracene	1100		270	440	580	ug/Kg
218-01-9	Chrysene	1200		270	440	580	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		310	440	580	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		370	920	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		280	440	580	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		280	440	580	ug/Kg
50-32-8	Benzo(a)pyrene	1100		320	440	580	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	690		270	440	580	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	660		280	440	580	ug/Kg
191-24-2	Benzo(g,h,i)perylene	510	J	270	440	580	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		290	440	580	ug/Kg
123-91-1	1,4-Dioxane	670		370	440	580	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	980		250	440	580	ug/Kg
90-12-0	1-Methylnaphthalene	870		280	580	580	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	105.11		18-112		70	SPK: -150
13127-88-3	Phenol-d6	99.675		15-107		66	SPK: -150
4165-60-0	Nitrobenzene-d5	64.645		18-107		65	SPK: -100
321-60-8	2-Fluorobiphenyl	67.145		20-109		67	SPK: -100

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	EO-01-050324-AMS	SDG No.:	BG050624
Lab Sample ID:	P2386-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061125.D	5	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	97.905		10-110		65	SPK: -150
1718-51-0	Terphenyl-d14	64.17		14-112		64	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	27966	7.935				
1146-65-2	Naphthalene-d8	108034	10.732				
15067-26-2	Acenaphthene-d10	82451	14.563				
1517-22-2	Phenanthrene-d10	188752	17.312				
1719-03-5	Chrysene-d12	180446	21.572				
1520-96-3	Perylene-d12	143177	24.704				

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	EO-01-050324-AMSD	SDG No.:	BG050624
Lab Sample ID:	P2386-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
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
BG061126.D	5	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	790	J	300	920	1100	ug/Kg
110-86-1	Pyridine	710		270	440	580	ug/Kg
100-52-7	Benzaldehyde	620	U	620	920	1100	ug/Kg
62-53-3	Aniline	850		330	440	580	ug/Kg
108-95-2	Phenol	1000		280	440	580	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	950		280	440	580	ug/Kg
95-57-8	2-Chlorophenol	1000		280	440	580	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		290	440	580	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		290	440	580	ug/Kg
106-46-7	1,4-Dichlorobenzene	940		290	440	580	ug/Kg
100-51-6	Benzyl Alcohol	930	J	280	920	1100	ug/Kg
95-48-7	2-Methylphenol	1000		270	440	580	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	980		310	440	580	ug/Kg
98-86-2	Acetophenone	1000		300	440	580	ug/Kg
65794-96-9	3+4-Methylphenols	960	J	270	920	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	810		140	270	270	ug/Kg
67-72-1	Hexachloroethane	650		280	440	580	ug/Kg
98-95-3	Nitrobenzene	1000		310	440	580	ug/Kg
78-59-1	Isophorone	890		290	440	580	ug/Kg
88-75-5	2-Nitrophenol	860		320	440	580	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		320	440	580	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	990		290	440	580	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		260	440	580	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100		290	440	580	ug/Kg
65-85-0	Benzoic acid	810	U	810	920	1100	ug/Kg
91-20-3	Naphthalene	1100		280	440	580	ug/Kg
106-47-8	4-Chloroaniline	850		280	440	580	ug/Kg
87-68-3	Hexachlorobutadiene	1100		280	440	580	ug/Kg



Client:			Date Collected:	5/3/2024 12:00:00 AM			
Project:			Date Received:	5/3/2024 12:00:00 AM			
Client Sample ID:	EO-01-050324-AMSD			SDG No.:	BG050624		
Lab Sample ID:	P2386-01MSD			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	11.8		
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
BG061126.D	5	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	760	J	300	920	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	950		260	440	580	ug/Kg
91-57-6	2-Methylnaphthalene	1000		280	440	580	ug/Kg
77-47-4	Hexachlorocyclopentadiene	530	U	530	920	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		240	440	580	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		250	440	580	ug/Kg
92-52-4	1,1-Biphenyl	1100		300	440	580	ug/Kg
91-58-7	2-Chloronaphthalene	1100		280	440	580	ug/Kg
88-74-4	2-Nitroaniline	1100		320	440	580	ug/Kg
131-11-3	Dimethylphthalate	940		280	440	580	ug/Kg
208-96-8	Acenaphthylene	1100		290	440	580	ug/Kg
606-20-2	2,6-Dinitrotoluene	830		280	440	580	ug/Kg
99-09-2	3-Nitroaniline	1100		300	440	580	ug/Kg
83-32-9	Acenaphthene	1100		280	440	580	ug/Kg
Total PAH	Total PAH	16700		4520	440	9280	ug/Kg
51-28-5	2,4-Dinitrophenol	830	U	830	920	1100	ug/Kg
100-02-7	4-Nitrophenol	1600		390	920	1100	ug/Kg
132-64-9	Dibenzofuran	1000		290	440	580	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	540		570	440	1160	ug/Kg
121-14-2	2,4-Dinitrotoluene	710		290	440	580	ug/Kg
84-66-2	Diethylphthalate	930		270	440	580	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	990		290	440	580	ug/Kg
86-73-7	Fluorene	990		290	440	580	ug/Kg
100-01-6	4-Nitroaniline	1100		360	440	580	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	400	U	400	920	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		280	440	580	ug/Kg
103-33-3	Azobenzene	970		270	440	580	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		270	440	580	ug/Kg
118-74-1	Hexachlorobenzene	1100		290	440	580	ug/Kg
1912-24-9	Atrazine	1200		310	440	580	ug/Kg

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	EO-01-050324-AMSD	SDG No.:	BG050624
Lab Sample ID:	P2386-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
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
BG061126.D	5	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1500		260	920	1100	ug/Kg
85-01-8	Phenanthrene	1300		290	440	580	ug/Kg
120-12-7	Anthracene	1200		290	440	580	ug/Kg
86-74-8	Carbazole	1100		270	440	580	ug/Kg
84-74-2	Di-n-butylphthalate	1000		290	440	580	ug/Kg
206-44-0	Fluoranthene	1100		280	440	580	ug/Kg
92-87-5	Benzidine	930	J	550	920	1100	ug/Kg
129-00-0	Pyrene	1300		280	440	580	ug/Kg
85-68-7	Butylbenzylphthalate	1100		330	440	580	ug/Kg
91-94-1	3,3-Dichlorobenzidine	990	J	340	920	1100	ug/Kg
56-55-3	Benzo(a)anthracene	1100		270	440	580	ug/Kg
218-01-9	Chrysene	1200		270	440	580	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		310	440	580	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		370	920	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	940		280	440	580	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400		280	440	580	ug/Kg
50-32-8	Benzo(a)pyrene	1200		320	440	580	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	590		270	440	580	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	570	J	280	440	580	ug/Kg
191-24-2	Benzo(g,h,i)perylene	510	J	270	440	580	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		300	440	580	ug/Kg
123-91-1	1,4-Dioxane	670		370	440	580	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	990		250	440	580	ug/Kg
90-12-0	1-Methylnaphthalene	950		280	580	580	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	106.845		18-112		71	SPK: -150
13127-88-3	Phenol-d6	99.02		15-107		66	SPK: -150
4165-60-0	Nitrobenzene-d5	69.175		18-107		69	SPK: -100
321-60-8	2-Fluorobiphenyl	67.435		20-109		67	SPK: -100

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	EO-01-050324-AMSD	SDG No.:	BG050624
Lab Sample ID:	P2386-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
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
BG061126.D	5	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	95.795		10-110		64	SPK: -150
1718-51-0	Terphenyl-d14	64.89		14-112		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	27477	7.935				
1146-65-2	Naphthalene-d8	105388	10.731				
15067-26-2	Acenaphthene-d10	81100	14.562				
1517-22-2	Phenanthrene-d10	183061	17.318				
1719-03-5	Chrysene-d12	176333	21.572				
1520-96-3	Perylene-d12	136805	24.715				

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	EO-01-050324-B	SDG No.:	BG050624
Lab Sample ID:	P2386-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.7
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
BG061127.D	5	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	280	U	280	890	1100	ug/Kg
110-86-1	Pyridine	260	U	260	430	560	ug/Kg
100-52-7	Benzaldehyde	600	U	600	890	1100	ug/Kg
62-53-3	Aniline	320	U	320	430	560	ug/Kg
108-95-2	Phenol	270	U	270	430	560	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	270	U	270	430	560	ug/Kg
95-57-8	2-Chlorophenol	270	U	270	430	560	ug/Kg
95-50-1	1,2-Dichlorobenzene	280	U	280	430	560	ug/Kg
541-73-1	1,3-Dichlorobenzene	280	U	280	430	560	ug/Kg
106-46-7	1,4-Dichlorobenzene	280	U	280	430	560	ug/Kg
100-51-6	Benzyl Alcohol	270	U	270	890	1100	ug/Kg
95-48-7	2-Methylphenol	260	U	260	430	560	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	300	U	300	430	560	ug/Kg
98-86-2	Acetophenone	290	U	290	430	560	ug/Kg
65794-96-9	3+4-Methylphenols	260	U	260	890	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	430	560	ug/Kg
98-95-3	Nitrobenzene	300	U	300	430	560	ug/Kg
78-59-1	Isophorone	280	U	280	430	560	ug/Kg
88-75-5	2-Nitrophenol	310	U	310	430	560	ug/Kg
105-67-9	2,4-Dimethylphenol	310	U	310	430	560	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	280	U	280	430	560	ug/Kg
120-83-2	2,4-Dichlorophenol	250	U	250	430	560	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	280	U	280	430	560	ug/Kg
65-85-0	Benzoic acid	780	U	780	890	1100	ug/Kg
91-20-3	Naphthalene	270	U	270	430	560	ug/Kg
106-47-8	4-Chloroaniline	270	U	270	430	560	ug/Kg
87-68-3	Hexachlorobutadiene	270	U	270	430	560	ug/Kg

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	EO-01-050324-B	SDG No.:	BG050624
Lab Sample ID:	P2386-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.7
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
BG061127.D	5	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	280	U	280	890	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	250	U	250	430	560	ug/Kg
91-57-6	2-Methylnaphthalene	270	U	270	430	560	ug/Kg
77-47-4	Hexachlorocyclopentadiene	510	U	510	890	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	230	U	230	430	560	ug/Kg
95-95-4	2,4,5-Trichlorophenol	240	U	240	430	560	ug/Kg
92-52-4	1,1-Biphenyl	290	U	290	430	560	ug/Kg
91-58-7	2-Chloronaphthalene	270	U	270	430	560	ug/Kg
88-74-4	2-Nitroaniline	310	U	310	430	560	ug/Kg
131-11-3	Dimethylphthalate	270	U	270	430	560	ug/Kg
208-96-8	Acenaphthylene	280	U	280	430	560	ug/Kg
606-20-2	2,6-Dinitrotoluene	270	U	270	430	560	ug/Kg
99-09-2	3-Nitroaniline	290	U	290	430	560	ug/Kg
83-32-9	Acenaphthene	270	U	270	430	560	ug/Kg
Total PAH	Total PAH	21580	U	4360	430	8960	ug/Kg
51-28-5	2,4-Dinitrophenol	800	U	800	890	1100	ug/Kg
100-02-7	4-Nitrophenol	380	U	380	890	1100	ug/Kg
132-64-9	Dibenzofuran	280	U	280	430	560	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	550	U	550	430	1120	ug/Kg
121-14-2	2,4-Dinitrotoluene	280	U	280	430	560	ug/Kg
84-66-2	Diethylphthalate	260	U	260	430	560	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	280	U	280	430	560	ug/Kg
86-73-7	Fluorene	280	U	280	430	560	ug/Kg
100-01-6	4-Nitroaniline	350	U	350	430	560	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	380	U	380	890	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	270	U	270	430	560	ug/Kg
103-33-3	Azobenzene	260	U	260	430	560	ug/Kg
101-55-3	4-Bromophenyl-phenylether	260	U	260	430	560	ug/Kg
118-74-1	Hexachlorobenzene	280	U	280	430	560	ug/Kg
1912-24-9	Atrazine	300	U	300	430	560	ug/Kg

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	EO-01-050324-B	SDG No.:	BG050624
Lab Sample ID:	P2386-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.7
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
BG061127.D	5	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	250	U	250	890	1100	ug/Kg
85-01-8	Phenanthrene	1900		280	430	560	ug/Kg
120-12-7	Anthracene	470	J	280	430	560	ug/Kg
86-74-8	Carbazole	260	U	260	430	560	ug/Kg
84-74-2	Di-n-butylphthalate	280	U	280	430	560	ug/Kg
206-44-0	Fluoranthene	4000		270	430	560	ug/Kg
92-87-5	Benzidine	540	U	540	890	1100	ug/Kg
129-00-0	Pyrene	4000		270	430	560	ug/Kg
85-68-7	Butylbenzylphthalate	320	U	320	430	560	ug/Kg
91-94-1	3,3-Dichlorobenzidine	320	U	320	890	1100	ug/Kg
56-55-3	Benzo(a)anthracene	2300		260	430	560	ug/Kg
218-01-9	Chrysene	2300		260	430	560	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	300	U	300	430	560	ug/Kg
117-84-0	Di-n-octyl phthalate	360	U	360	890	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	2500		270	430	560	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		270	430	560	ug/Kg
50-32-8	Benzo(a)pyrene	2000		310	430	560	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	510	J	260	430	560	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	270	U	270	430	560	ug/Kg
191-24-2	Benzo(g,h,i)perylene	260	U	260	430	560	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	280	U	280	430	560	ug/Kg
123-91-1	1,4-Dioxane	360	U	360	430	560	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	250	430	560	ug/Kg
90-12-0	1-Methylnaphthalene	270	U	270	560	560	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	63.305		18-112		42	SPK: -150
13127-88-3	Phenol-d6	56.16		15-107		37	SPK: -150
4165-60-0	Nitrobenzene-d5	39.745		18-107		40	SPK: -100
321-60-8	2-Fluorobiphenyl	42.95		20-109		43	SPK: -100

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	EO-01-050324-B	SDG No.:	BG050624
Lab Sample ID:	P2386-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.7
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
BG061127.D	5	5/6/2024 12:00:00 AM	5/6/2024 12:00:00 AM	PB160725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	52.08		10-110		35	SPK: -150
1718-51-0	Terphenyl-d14	41.305		14-112		41	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	29389	7.94				
1146-65-2	Naphthalene-d8	109533	10.731				
15067-26-2	Acenaphthene-d10	81486	14.567				
1517-22-2	Phenanthrene-d10	176671	17.317				
1719-03-5	Chrysene-d12	171563	21.577				
1520-96-3	Perylene-d12	127361	24.709				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	590	J			3.163	
000629-62-9	Pentadecane	260	J			15.419	
000629-78-7	Heptadecane	380	J			16.283	
001560-97-0	Dodecane, 2-methyl-	260	J			17.076	
000132-65-0	Dibenzothiophene	280	J			17.129	
017312-57-1	Dodecane, 3-methyl-	290	J			17.817	
000112-39-0	Hexadecanoic acid, methyl ester	680	J			17.987	
000832-69-9	Phenanthrene, 1-methyl-	540	J			18.193	
004505-48-0	1H-Indene, 2-phenyl-	590	J			18.24	
000203-64-5	4H-Cyclopenta[def]phenanthrene	760	J			18.387	
027410-55-5	8,9-Dihydrocyclopenta[def]phenanth	250	J			18.422	
019218-94-1	Tetradecane, 1-iodo-	270	J			18.51	
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	320	J			18.686	
002566-97-4	9,12-Octadecadienoic acid, methyl	2700	J			19.127	
1010333-58-3	cis-13-Octadecenoic acid, methyl e	2400	J			19.162	
005737-13-3	Cyclopenta(def)phenanthrenone	320	J			19.244	
000112-61-8	Methyl stearate	400	J			19.291	
000243-17-4	11H-Benzo[b]fluorene	290	J			20.226	

Hit Summary Sheet SW-846

SDG No.: BG050624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC-A-COMP								
P2375-01	WC-A-COMP	Solid	1-Phenoxypropan-2-ol	*	75.800	J		
P2375-01	WC-A-COMP	Solid	Butane, 2-methoxy-2-methyl-	*	950.000	J		
P2375-01	WC-A-COMP	Solid	Cetene	*	100.000	J		
P2375-01	WC-A-COMP	Solid	n-Hexadecanoic acid	*	130.000	J		
P2375-01	WC-A-COMP	Solid	unknown3.670	*	180.000	J		
Total Tics :					1,435.80			
P2375-01	WC-A-COMP	Solid	Benzo(b)fluoranthene		91.100	J	80.9	170 ug/Kg
P2375-01	WC-A-COMP	Solid	Fluoranthene		93.800	J	81.5	170 ug/Kg
P2375-01	WC-A-COMP	Solid	Pyrene		93.900	J	82.8	170 ug/Kg
Total Svoc :					278.80			
Total Concentration:					1,714.60			
Client ID : OR-02-05032024								
P2378-01	OR-02-05032024	Solid	6H-Cyclobuta[jk]phenanthrene	*	400.000	J		
P2378-01	OR-02-05032024	Solid	Butane, 2-methoxy-2-methyl-	*	770.000	J		
P2378-01	OR-02-05032024	Solid	Phenanthrene, 1-methyl-	*	230.000	J		
P2378-01	OR-02-05032024	Solid	Phenanthrene, 2-methyl-	*	250.000	J		
Total Tics :					1,650.00			
P2378-01	OR-02-05032024	Solid	Benzo(a)anthracene		760.000		270	570 ug/Kg
P2378-01	OR-02-05032024	Solid	Benzo(a)pyrene		630.000		310	570 ug/Kg
P2378-01	OR-02-05032024	Solid	Benzo(b)fluoranthene		1,100.000		270	570 ug/Kg
P2378-01	OR-02-05032024	Solid	Benzo(k)fluoranthene		460.000	J	280	570 ug/Kg
P2378-01	OR-02-05032024	Solid	Chrysene		870.000		260	570 ug/Kg
P2378-01	OR-02-05032024	Solid	Fluoranthene		1,900.000		270	570 ug/Kg
P2378-01	OR-02-05032024	Solid	Phenanthrene		1,500.000		280	570 ug/Kg
P2378-01	OR-02-05032024	Solid	Pyrene		1,600.000		280	570 ug/Kg
Total Svoc :					8,820.00			
Total Concentration:					10,470.00			
Client ID : EO-01-050324-A								
P2386-01	EO-01-050324-A	Solid	Butane, 2-methoxy-2-methyl-	*	930.000	J		
Total Tics :					930.00			
Total Concentration:					930.00			
Client ID : EO-01-050324-B								
P2386-03	EO-01-050324-B	Solid	11H-Benzo[b]fluorene	*	290.000	J		
P2386-03	EO-01-050324-B	Solid	1H-Indene, 2-phenyl-	*	590.000	J		
P2386-03	EO-01-050324-B	Solid	4H-Cyclopenta[def]phenanthrene	*	760.000	J		
P2386-03	EO-01-050324-B	Solid	5,16[1,2]:8,13[1,2]-Dibenzen	*	320.000	J		



SDG No.: BG050624

Client:

Client ID : BG-2

Hit Summary Sheet SW-846

SDG No.: BG050624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2390-03	BG-2	Solid	Benzo(a)anthracene	210.000		80.5	170	ug/Kg
P2390-03	BG-2	Solid	Benzo(a)pyrene	230.000		92.8	170	ug/Kg
P2390-03	BG-2	Solid	Benzo(b)fluoranthene	370.000		80.9	170	ug/Kg
P2390-03	BG-2	Solid	Benzo(g,h,i)perylene	110.000	J	79.9	170	ug/Kg
P2390-03	BG-2	Solid	Benzo(k)fluoranthene	210.000		82.4	170	ug/Kg
P2390-03	BG-2	Solid	Chrysene	300.000		79.3	170	ug/Kg
P2390-03	BG-2	Solid	Fluoranthene	530.000		81.5	170	ug/Kg
P2390-03	BG-2	Solid	Indeno(1,2,3-cd)pyrene	92.300	J	77.9	170	ug/Kg
P2390-03	BG-2	Solid	Phenanthrene	220.000		83.8	170	ug/Kg
P2390-03	BG-2	Solid	Pyrene	410.000		82.8	170	ug/Kg
Total Svoc :				2,682.30				
Total Concentration:				2,682.30				

Client ID : BG-3

P2390-04	BG-3	Solid	Benzo(a)anthracene	280.000		80.6	170	ug/Kg
P2390-04	BG-3	Solid	Benzo(a)pyrene	290.000		92.8	170	ug/Kg
P2390-04	BG-3	Solid	Benzo(b)fluoranthene	500.000		81	170	ug/Kg
P2390-04	BG-3	Solid	Benzo(k)fluoranthene	260.000		82.5	170	ug/Kg
P2390-04	BG-3	Solid	Chrysene	380.000		79.4	170	ug/Kg
P2390-04	BG-3	Solid	Fluoranthene	600.000		81.6	170	ug/Kg
P2390-04	BG-3	Solid	Indeno(1,2,3-cd)pyrene	130.000	J	78	170	ug/Kg
P2390-04	BG-3	Solid	Phenanthrene	250.000		83.9	170	ug/Kg
P2390-04	BG-3	Solid	Pyrene	500.000		82.9	170	ug/Kg
Total Svoc :				3,190.00				
Total Concentration:				3,190.00				



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.: BG050624 SAS No.: BG050624 SDG NO.: BG050624

EPA Sample No.: SSTDICCC040 Date Analyzed: May 6 2024 12:00AM

Lab File ID: BG061062.D Time Analyzed: 12:16

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 PB160699BL	18304	7.94	69161	10.73	60869	14.56
02 PB160699BS	19147	7.94	83134	10.73	74929	14.57
03 WC-A-COMP	28143	7.94	110082	10.73	82240	14.56
04 BG-1	28925	7.94	113356	10.73	86829	14.56
05 BG-2	26335	7.93	104355	10.73	77493	14.56
06 BG-3	29948	7.93	115914	10.73	87297	14.56
07 OR-02-05032024	29355	7.94	111022	10.73	80987	14.57
08 EO-01-050324-A	29092	7.94	113886	10.73	87260	14.57
09 EO-01-050324-AMS	27966	7.94	108034	10.73	82451	14.56
10 EO-01-050324-AMSD	27477	7.94	105388	10.73	81100	14.56
11 EO-01-050324-B	29389	7.94	109533	10.73	81486	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.: BG050624 SAS No.: BG050624 SDG NO.: BG050624

EPA Sample No.: SSTDCCC040 Date Analyzed: May 6 2024 12:00AM

Lab File ID: BG061116.D Time Analyzed: 12:16

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	18373	7.937	79388	10.73	70062	14.57
UPPER LIMIT	36746	8.437	158776	11.234	140124	15.071
LOWER LIMIT	9186.5	7.437	39694	10.234	35031	14.071
EPA SAMPLE NO.						
01 PB160699BL	18304	7.94	69161	10.73	60869	14.56
02 PB160699BS	19147	7.94	83134	10.73	74929	14.57
03 WC-A-COMP	28143	7.94	110082	10.73	82240	14.56
04 BG-1	28925	7.94	113356	10.73	86829	14.56
05 BG-2	26335	7.93	104355	10.73	77493	14.56
06 BG-3	29948	7.93	115914	10.73	87297	14.56
07 OR-02-05032024	29355	7.94	111022	10.73	80987	14.57
08 EO-01-050324-A	29092	7.94	113886	10.73	87260	14.57
09 EO-01-050324-AMS	27966	7.94	108034	10.73	82451	14.56
10 EO-01-050324-AMSD	27477	7.94	105388	10.73	81100	14.56
11 EO-01-050324-B	29389	7.94	109533	10.73	81486	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.: BG050624 SAS No.: BG050624 SDG NO.: BG050624

EPA Sample No.: SSTDICCC040 Date Analyzed: May 6 2024 12:00AM

Lab File ID: BG061062.D Time Analyzed: 12:16

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 PB160699BL	170438	17.31	197451	21.57	222555	24.70
02 PB160699BS	196538	17.31	196873	21.57	217809	24.70
03 WC-A-COMP	188843	17.31	189347	21.57	157444	24.69
04 BG-1	192104	17.31	191825	21.57	160802	24.69
05 BG-2	176874	17.31	178116	21.57	147541	24.70
06 BG-3	195177	17.31	190171	21.57	145585	24.70
07 OR-02-05032024	183407	17.31	170588	21.57	139879	24.70
08 EO-01-050324-A	192326	17.31	185628	21.57	134884	24.70
09 EO-01-050324-AMS	188752	17.31	180446	21.57	143177	24.70
10 EO-01-050324-AMSD	183061	17.32	176333	21.57	136805	24.72
11 EO-01-050324-B	176671	17.32	171563	21.58	127361	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.: BG050624 SAS No.: BG050624 SDG NO.: BG050624

EPA Sample No.: SSTDCCC040 Date Analyzed: May 6 2024 12:00AM

Lab File ID: BG061116.D Time Analyzed: 12:16

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	183646	17.315	177171	21.574	207999	24.7
UPPER LIMIT	367292	17.815	354342	22.074	415998	25.2
LOWER LIMIT	91823	16.815	88585.5	21.074	103999.5	24.2
EPA SAMPLE NO.						
01 PB160699BL	170438	17.31	197451	21.57	222555	24.70
02 PB160699BS	196538	17.31	196873	21.57	217809	24.70
03 WC-A-COMP	188843	17.31	189347	21.57	157444	24.69
04 BG-1	192104	17.31	191825	21.57	160802	24.69
05 BG-2	176874	17.31	178116	21.57	147541	24.70
06 BG-3	195177	17.31	190171	21.57	145585	24.70
07 OR-02-05032024	183407	17.31	170588	21.57	139879	24.70
08 EO-01-050324-A	192326	17.31	185628	21.57	134884	24.70
09 EO-01-050324-AMS	188752	17.31	180446	21.57	143177	24.70
10 EO-01-050324-AMSD	183061	17.32	176333	21.57	136805	24.72
11 EO-01-050324-B	176671	17.32	171563	21.58	127361	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.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG050624

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB160699BS	n-Nitrosodimethylamine	1700	1200	ug/Kg	71				57	103	
	Pyridine	1700	980	ug/Kg	58				28	98	
	Benzaldehyde	1700	1100	ug/Kg	65				10	147	
	Aniline	1700	1100	ug/Kg	65				38	100	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	1,2-Dichlorobenzene	1700	1400	ug/Kg	82				51	102	
	1,3-Dichlorobenzene	1700	1400	ug/Kg	82				52	99	
	1,4-Dichlorobenzene	1700	1400	ug/Kg	82				52	100	
	Benzyl Alcohol	1700	1600	ug/Kg	94				42	116	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1400	ug/Kg	82				55	104	
	3+4-Methylphenols	1700	1600	ug/Kg	94				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1300	ug/Kg	76				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				67	119	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				53	105	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	1,2,4-Trichlorobenzene	1700	1400	ug/Kg	82				44	110	
	Benzoic acid	1700	1100	ug/Kg	65				10	140	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	980	ug/Kg	58				16	100	
	Hexachlorobutadiene	1700	1300	ug/Kg	76				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	4000	ug/Kg	121				45	134	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				61	104	
	3-Nitroaniline	1700	1000	ug/Kg	59				28	100	
	Acenaphthene	1700	1400	ug/Kg	82				57	104	
	Total PAH	27200	23800	ug/Kg	88				57	104	
	2,4-Dinitrophenol	3300	2700	ug/Kg	82				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BG050624**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160699BS	4-Nitrophenol	3300	2900	ug/Kg	88				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene	1700	1400	ug/Kg	82				60	106	
	2,4-Dinitrotoluene/2,6-Dinitroto	3400	2800	ug/Kg	82				60	106	
	Diethylphthalate	1700	1400	ug/Kg	82				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1400	ug/Kg	82				64	103	
	4,6-Dinitro-2-methylphenol	1700	1400	ug/Kg	82				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				56	107	
	Azobenzene	1700	1500	ug/Kg	88				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				55	99	
	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1600	ug/Kg	94				67	113	
	Pentachlorophenol	3300	2500	ug/Kg	76				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1400	ug/Kg	82				57	107	
	Benzidine	3300	1300	ug/Kg	39				10	98	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				55	103	
	3,3-Dichlorobenzidine	1700	1000	ug/Kg	59				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				63	111	
	Di-n-octyl phthalate	1700	1400	ug/Kg	82				70	108	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	1000	ug/Kg	59				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				59	108	
	1-Methylnaphthalene	1700	1300	ug/Kg	76				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160699BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG050624

SAS No.: BG050624 SDG NO.: BG050624

Lab File ID: BG061117.D

Lab Sample ID: PB160699BL

Instrument ID: BNA_G

Date Extracted: 05/03/2024

Matrix: (soil/water) Solid

Date Analyzed: 05/06/2024

Level: (low/med) LOW

Time Analyzed: 12:16

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160699BS	PB160699BS	BG061118.D	05/06/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

WC-A-COMP

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG050624

SAS No.: BG050624 SDG NO.: BG050624

Lab File ID: BG061119.D

Lab Sample ID: P2375-01

Instrument ID: BNA_G

Date Extracted: 05/06/2024

Matrix: (soil/water) Solid

Date Analyzed: 05/06/2024

Level: (low/med) LOW

Time Analyzed: 14:05

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WC-A-COMP	P2375-01	BG061119.D	05/06/2024
BG-1	P2390-02	BG061120.D	05/06/2024
BG-2	P2390-03	BG061121.D	05/06/2024
BG-3	P2390-04	BG061122.D	05/06/2024
OR-02-05032024	P2378-01	BG061123.D	05/06/2024
EO-01-050324-A	P2386-01	BG061124.D	05/06/2024
EO-01-050324-AMS	P2386-01MS	BG061125.D	05/06/2024
EO-01-050324-AMSD	P2386-01MSD	BG061126.D	05/06/2024
EO-01-050324-B	P2386-03	BG061127.D	05/06/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG050624

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2386-01MS		Client Sample ID: EO-01-050324-AMS		DataFile: BG061125.D							
n-Nitrosodimethylamine	1100		690	ug/Kg	63	*			66	124	
Pyridine	1100		650	ug/Kg	59				45	119	
Benzaldehyde	1100		0	ug/Kg	0	*			26	163	
Aniline	1100		710	ug/Kg	65				10	88	
Phenol	1100		990	ug/Kg	90				67	126	
bis(2-Chloroethyl)ether	1100		940	ug/Kg	85				74	116	
2-Chlorophenol	1100		1000	ug/Kg	91				61	138	
1,2-Dichlorobenzene	1100		970	ug/Kg	88				61	105	
1,3-Dichlorobenzene	1100		990	ug/Kg	90				62	101	
1,4-Dichlorobenzene	1100		970	ug/Kg	88				63	104	
Benzyl Alcohol	1100		870	ug/Kg	79				47	126	
2-Methylphenol	1100		1000	ug/Kg	91				66	122	
2,2-oxybis(1-Chloropropane)	1100		1000	ug/Kg	91				52	115	
Acetophenone	1100		1000	ug/Kg	91				75	111	
3+4-Methylphenols	1100		950	ug/Kg	86				53	132	
N-Nitroso-di-n-propylamine	1100		850	ug/Kg	77				59	119	
Hexachloroethane	1100		730	ug/Kg	66				65	117	
Nitrobenzene	1100		930	ug/Kg	85				70	119	
Isophorone	1100		850	ug/Kg	77				76	122	
2-Nitrophenol	1100		840	ug/Kg	76				54	145	
2,4-Dimethylphenol	1100		1100	ug/Kg	100				83	144	
bis(2-Chloroethoxy)methane	1100		990	ug/Kg	90				68	112	
2,4-Dichlorophenol	1100		1000	ug/Kg	91				72	118	
1,2,4-Trichlorobenzene	1100		1100	ug/Kg	100				57	103	
Benzoic acid	1100		0	ug/Kg	0	*			50	104	
Naphthalene	1100		1000	ug/Kg	91				72	110	
4-Chloroaniline	1100		720	ug/Kg	65				10	100	
Hexachlorobutadiene	1100		1100	ug/Kg	100				66	114	
Caprolactam	1100		770	ug/Kg	70				51	134	
4-Chloro-3-methylphenol	1100		900	ug/Kg	82				57	132	
2-Methylnaphthalene	1100		970	ug/Kg	88				59	123	
Hexachlorocyclopentadiene	2300			ug/Kg	0	*			10	175	
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	1100		980	ug/Kg	89				72	117	
1,1-Biphenyl	1100		1100	ug/Kg	100				75	113	
2-Chloronaphthalene	1100		1100	ug/Kg	100				67	118	
2-Nitroaniline	1100		1100	ug/Kg	100				69	127	
Dimethylphthalate	1100		920	ug/Kg	84				70	113	
Acenaphthylene	1100		1100	ug/Kg	100				79	118	
2,6-Dinitrotoluene	1100		770	ug/Kg	70				70	125	
3-Nitroaniline	1100		1000	ug/Kg	91				20	111	
Acenaphthene	1100		1000	ug/Kg	91				70	121	
Total PAH	17600		16640	ug/Kg	95				70	121	
2,4-Dinitrophenol	2300		0	ug/Kg	0	*			16	160	
4-Nitrophenol	2300		1600	ug/Kg	70				45	133	
Dibenzofuran	1100		1000	ug/Kg	91				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG050624

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1100		730	ug/Kg	66				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1500	ug/Kg	68				55	128	
Diethylphthalate	1100		890	ug/Kg	81				70	112	
4-Chlorophenyl-phenylether	1100		1000	ug/Kg	91				71	108	
Fluorene	1100		980	ug/Kg	89				68	116	
4-Nitroaniline	1100		1000	ug/Kg	91				55	120	
4,6-Dinitro-2-methylphenol	1100			ug/Kg	0	*			32	145	
N-Nitrosodiphenylamine	1100		1100	ug/Kg	100				73	118	
Azobenzene	1100		990	ug/Kg	90				73	110	
4-Bromophenyl-phenylether	1100		1100	ug/Kg	100				65	121	
Hexachlorobenzene	1100		1100	ug/Kg	100				67	118	
Atrazine	1100		1100	ug/Kg	100				79	127	
Pentachlorophenol	2300		1600	ug/Kg	70				47	128	
Phenanthrene	1100		1300	ug/Kg	118	*			72	113	
Anthracene	1100		1100	ug/Kg	100				62	124	
Carbazole	1100		1100	ug/Kg	100				59	119	
Di-n-butylphthalate	1100		1000	ug/Kg	91				69	118	
Fluoranthene	1100		1100	ug/Kg	100				59	125	
Benzydine	2300		1200	ug/Kg	52				10	119	
Pyrene	1100		1300	ug/Kg	118				52	128	
Butylbenzylphthalate	1100		1100	ug/Kg	100				64	126	
3,3-Dichlorobenzidine	1100		940	ug/Kg	85				10	164	
Benzo(a)anthracene	1100		1100	ug/Kg	100				71	114	
Chrysene	1100		1200	ug/Kg	109				57	121	
bis(2-Ethylhexyl)phthalate	1100		1100	ug/Kg	100				66	127	
Di-n-octyl phthalate	1100		1100	ug/Kg	100				71	126	
Benzo(b)fluoranthene	1100		1000	ug/Kg	91				67	121	
Benzo(k)fluoranthene	1100		1500	ug/Kg	136	*			74	114	
Benzo(a)pyrene	1100		1100	ug/Kg	100				70	142	
Indeno(1,2,3-cd)pyrene	1100		690	ug/Kg	63				61	125	
Dibenz(a,h)anthracene	1100		660	ug/Kg	60	*			67	130	
Benzo(g,h,i)perylene	1100		510	ug/Kg	46	*			53	140	
1,2,4,5-Tetrachlorobenzene	1100		1200	ug/Kg	109				69	124	
1,4-Dioxane	1100		670	ug/Kg	61				46	112	
2,3,4,6-Tetrachlorophenol	1100		980	ug/Kg	89				56	133	
1-Methylnaphthalene	1100		870	ug/Kg	79				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG050624

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2386-01MSD		Client Sample ID: EO-01-050324-AMSD		DataFile: BG061126.D							
n-Nitrosodimethylamine	1100		790	ug/Kg	72		13		66	124	20
Pyridine	1100		710	ug/Kg	65		10		45	119	20
Benzaldehyde	1100		0	ug/Kg	0	*			26	163	20
Aniline	1100		850	ug/Kg	77		17		10	88	20
Phenol	1100		1000	ug/Kg	91		1		67	126	20
bis(2-Chloroethyl)ether	1100		950	ug/Kg	86		1		74	116	20
2-Chlorophenol	1100		1000	ug/Kg	91		0		61	138	20
1,2-Dichlorobenzene	1100		1000	ug/Kg	91		3		61	105	20
1,3-Dichlorobenzene	1100		1000	ug/Kg	91		1		62	101	20
1,4-Dichlorobenzene	1100		940	ug/Kg	85		3		63	104	20
Benzyl Alcohol	1100		930	ug/Kg	85		7		47	126	20
2-Methylphenol	1100		1000	ug/Kg	91		0		66	122	20
2,2-oxybis(1-Chloropropane)	1100		980	ug/Kg	89		2		52	115	20
Acetophenone	1100		1000	ug/Kg	91		0		75	111	20
3+4-Methylphenols	1100		960	ug/Kg	87		1		53	132	20
N-Nitroso-di-n-propylamine	1100		810	ug/Kg	74		4		59	119	20
Hexachloroethane	1100		650	ug/Kg	59	*	11		65	117	20
Nitrobenzene	1100		1000	ug/Kg	91		7		70	119	20
Isophorone	1100		890	ug/Kg	81		5		76	122	20
2-Nitrophenol	1100		860	ug/Kg	78		3		54	145	20
2,4-Dimethylphenol	1100		1100	ug/Kg	100		0		83	144	20
bis(2-Chloroethoxy)methane	1100		990	ug/Kg	90		0		68	112	20
2,4-Dichlorophenol	1100		1100	ug/Kg	100		9		72	118	20
1,2,4-Trichlorobenzene	1100		1100	ug/Kg	100		0		57	103	20
Benzoic acid	1100		0	ug/Kg	0	*			50	104	20
Naphthalene	1100		1100	ug/Kg	100		9		72	110	20
4-Chloroaniline	1100		850	ug/Kg	77		17		10	100	20
Hexachlorobutadiene	1100		1100	ug/Kg	100		0		66	114	20
Caprolactam	1100		760	ug/Kg	69		1		51	134	20
4-Chloro-3-methylphenol	1100		950	ug/Kg	86		5		57	132	20
2-Methylnaphthalene	1100		1000	ug/Kg	91		3		59	123	20
Hexachlorocyclopentadiene	2300			ug/Kg	0	*			10	175	20
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100		0		72	117	20
2,4,5-Trichlorophenol	1100		1000	ug/Kg	91		2		72	117	20
1,1-Biphenyl	1100		1100	ug/Kg	100		0		75	113	20
2-Chloronaphthalene	1100		1100	ug/Kg	100		0		67	118	20
2-Nitroaniline	1100		1100	ug/Kg	100		0		69	127	20
Dimethylphthalate	1100		940	ug/Kg	85		1		70	113	20
Acenaphthylene	1100		1100	ug/Kg	100		0		79	118	20
2,6-Dinitrotoluene	1100		830	ug/Kg	75		7		70	125	20
3-Nitroaniline	1100		1100	ug/Kg	100		9		20	111	20
Acenaphthene	1100		1100	ug/Kg	100		9		70	121	20
Total PAH	17600		16700	ug/Kg	95		0		70	121	20
2,4-Dinitrophenol	2300			ug/Kg	0	*			16	160	20
4-Nitrophenol	2300		1600	ug/Kg	70		0		45	133	20
Dibenzofuran	1100		1000	ug/Kg	91		0		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG050624

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1100		710	ug/Kg	65		2		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1540	ug/Kg	70		3		55	128	20
Diethylphthalate	1100		930	ug/Kg	85		5		70	112	20
4-Chlorophenyl-phenylether	1100		990	ug/Kg	90		1		71	108	20
Fluorene	1100		990	ug/Kg	90		1		68	116	20
4-Nitroaniline	1100		1100	ug/Kg	100		9		55	120	20
4,6-Dinitro-2-methylphenol	1100			ug/Kg	0	*			32	145	20
N-Nitrosodiphenylamine	1100		1100	ug/Kg	100		0		73	118	20
Azobenzene	1100		970	ug/Kg	88		2		73	110	20
4-Bromophenyl-phenylether	1100		1100	ug/Kg	100		0		65	121	20
Hexachlorobenzene	1100		1100	ug/Kg	100		0		67	118	20
Atrazine	1100		1200	ug/Kg	109		9		79	127	20
Pentachlorophenol	2300		1500	ug/Kg	65		7		47	128	20
Phenanthrene	1100		1300	ug/Kg	118	*	0		72	113	20
Anthracene	1100		1200	ug/Kg	109		9		62	124	20
Carbazole	1100		1100	ug/Kg	100		0		59	119	20
Di-n-butylphthalate	1100		1000	ug/Kg	91		0		69	118	20
Fluoranthene	1100		1100	ug/Kg	100		0		59	125	20
Benzidine	2300		930	ug/Kg	40		26	*	10	119	20
Pyrene	1100		1300	ug/Kg	118		0		52	128	20
Butylbenzylphthalate	1100		1100	ug/Kg	100		0		64	126	20
3,3-Dichlorobenzidine	1100		990	ug/Kg	90		6		10	164	20
Benzo(a)anthracene	1100		1100	ug/Kg	100		0		71	114	20
Chrysene	1100		1200	ug/Kg	109		0		57	121	20
bis(2-Ethylhexyl)phthalate	1100		1100	ug/Kg	100		0		66	127	20
Di-n-octyl phthalate	1100		1100	ug/Kg	100		0		71	126	20
Benzo(b)fluoranthene	1100		940	ug/Kg	85		7		67	121	20
Benzo(k)fluoranthene	1100		1400	ug/Kg	127	*	7		74	114	20
Benzo(a)pyrene	1100		1200	ug/Kg	109		9		70	142	20
Indeno(1,2,3-cd)pyrene	1100		590	ug/Kg	54	*	15		61	125	20
Dibenz(a,h)anthracene	1100		570	ug/Kg	52	*	14		67	130	20
Benzo(g,h,i)perylene	1100		510	ug/Kg	46	*	0		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		1200	ug/Kg	109		0		69	124	20
1,4-Dioxane	1100		670	ug/Kg	61		0		46	112	20
2,3,4,6-Tetrachlorophenol	1100		990	ug/Kg	90		1		56	133	20
1-Methylnaphthalene	1100		950	ug/Kg	86		8		70	130	20



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Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BG050624

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160699BL	PB160699BL	BG061117.D	2-Fluorophenol	150	149.50	100		18	112
			Phenol-d6	150	133.32	89		15	107
			Nitrobenzene-d5	100	88.58	89		18	107
			2-Fluorobiphenyl	100	86.95	87		20	109
			2,4,6-Tribromophenol	150	133.64	89		10	110
			Terphenyl-d14	100	89.02	89		14	112
PB160699BS	PB160699BS	BG061118.D	2-Fluorophenol	150	155.21	103		18	112
			Phenol-d6	150	145.05	97		15	107
			Nitrobenzene-d5	100	82.49	82		18	107
			2-Fluorobiphenyl	100	80.85	81		20	109
			2,4,6-Tribromophenol	150	130.40	87		10	110
			Terphenyl-d14	100	84.87	85		14	112

Surrogate Summary

SW-846

SDG No.: **BG050624**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2375-01	WC-A-COMP	BG061119.D	2-Fluorophenol	150	91.89	61		18	112
			Phenol-d6	150	83.48	56		15	107
			Nitrobenzene-d5	100	55.72	56		18	107
			2-Fluorobiphenyl	100	60.15	60		20	109
			2,4,6-Tribromophenol	150	79.48	53		10	110
			Terphenyl-d14	100	54.74	55		14	112
P2378-01	OR-02-05032024	BG061123.D	2-Fluorophenol	150	88.84	59		18	112
			Phenol-d6	150	82.67	55		15	107
			Nitrobenzene-d5	100	54.95	55		18	107
			2-Fluorobiphenyl	100	60.99	61		20	109
			2,4,6-Tribromophenol	150	78.89	53		10	110
			Terphenyl-d14	100	58.68	59		14	112
P2386-01	EO-01-050324-A	BG061124.D	2-Fluorophenol	150	98.51	66		18	112
			Phenol-d6	150	93.16	62		15	107
			Nitrobenzene-d5	100	61.58	62		18	107
			2-Fluorobiphenyl	100	63.01	63		20	109
			2,4,6-Tribromophenol	150	85.04	57		10	110
			Terphenyl-d14	100	61.53	62		14	112
P2386-01MS	EO-01-050324-AM	BG061125.D	2-Fluorophenol	150	105.11	70		18	112
			Phenol-d6	150	99.68	66		15	107
			Nitrobenzene-d5	100	64.65	65		18	107
			2-Fluorobiphenyl	100	67.15	67		20	109
			2,4,6-Tribromophenol	150	97.91	65		10	110
			Terphenyl-d14	100	64.17	64		14	112
P2386-01MSD	EO-01-050324-AM	BG061126.D	2-Fluorophenol	150	106.85	71		18	112
			Phenol-d6	150	99.02	66		15	107
			Nitrobenzene-d5	100	69.18	69		18	107
			2-Fluorobiphenyl	100	67.44	67		20	109
			2,4,6-Tribromophenol	150	95.80	64		10	110
			Terphenyl-d14	100	64.89	65		14	112
P2386-03	EO-01-050324-B	BG061127.D	2-Fluorophenol	150	63.31	42		18	112
			Phenol-d6	150	56.16	37		15	107
			Nitrobenzene-d5	100	39.75	40		18	107
			2-Fluorobiphenyl	100	42.95	43		20	109
			2,4,6-Tribromophenol	150	52.08	35		10	110
			Terphenyl-d14	100	41.31	41		14	112
P2390-02	BG-1	BG061120.D	2-Fluorophenol	150	72.10	48		18	112
			Phenol-d6	150	70.71	47		15	107
			Nitrobenzene-d5	100	49.23	49		18	107
			2-Fluorobiphenyl	100	51.40	51		20	109
			2,4,6-Tribromophenol	150	67.05	45		10	110
			Terphenyl-d14	100	44.70	45		14	112
P2390-03	BG-2	BG061121.D	2-Fluorophenol	150	64.22	43		18	112
			Phenol-d6	150	62.65	42		15	107
			Nitrobenzene-d5	100	42.03	42		18	107
			2-Fluorobiphenyl	100	45.56	46		20	109
			2,4,6-Tribromophenol	150	59.69	40		10	110
			Terphenyl-d14	100	37.74	38		14	112
P2390-04	BG-3	BG061122.D	2-Fluorophenol	150	61.35	41		18	112



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Surrogate Summary

SW-846

SDG No.: BG050624

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2390-04	BG-3	BG061122.D	Phenol-d6	150	61.82	41		15	107
			Nitrobenzene-d5	100	43.42	43		18	107
			2-Fluorobiphenyl	100	47.04	47		20	109
			2,4,6-Tribromophenol	150	61.61	41		10	110
			Terphenyl-d14	100	40.34	40		14	112

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BG050624

Lab Code: CHEM

SAS No.: BG050624

SDG NO.: BG050624

Lab File ID: BG061115.D

DFTPP Injection Date: 05/06/2024

Instrument ID: BNA_G

DFTPP Injection Time: 10:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.7
68	Less than 2.0% of mass 69	0.3 (1.4) 1
69	Mass 69 relative abundance	21.2
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	27.6
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	5.5
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	4.8
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	20.2 (20.2) 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	BG061116.D	05/06/2024	11:34
PB160699BL	PB160699BL	BG061117.D	05/06/2024	12:16
PB160699BS	PB160699BS	BG061118.D	05/06/2024	12:57
WC-A-COMP	P2375-01	BG061119.D	05/06/2024	14:05
BG-1	P2390-02	BG061120.D	05/06/2024	14:46
BG-2	P2390-03	BG061121.D	05/06/2024	15:27
BG-3	P2390-04	BG061122.D	05/06/2024	16:08
OR-02-05032024	P2378-01	BG061123.D	05/06/2024	16:50
EO-01-050324-A	P2386-01	BG061124.D	05/06/2024	17:31
EO-01-050324-AMS	P2386-01MS	BG061125.D	05/06/2024	18:13
EO-01-050324-AMSD	P2386-01MSD	BG061126.D	05/06/2024	18:54
EO-01-050324-B	P2386-03	BG061127.D	05/06/2024	19:35