

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP022824 SAS No.: BP022824 SDG No.: BP022824

Instrument ID: BNA_P Calibration Date/Time: 2/28/2024 1:10:16

Lab File ID: BP019908.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.531	0.548		3.202	
Pyridine	1.289	1.291		0.155	
2-Fluorophenol	1.218	1.159		-4.844	
Benzaldehyde	1.036	0.998		-3.668	
Aniline	2.225	2.060		-7.416	
Phenol-d6	1.814	1.713		-5.568	
Phenol	1.809	1.686		-6.799	20.0
bis(2-Chloroethyl)ether	1.425	1.308		-8.211	
2-Chlorophenol	1.314	1.284		-2.283	
1,2-Dichlorobenzene	1.449	1.425		-1.656	
1,3-Dichlorobenzene	1.427	1.435		0.561	
1,4-Dichlorobenzene	1.445	1.452		0.484	20.0
Benzyl Alcohol	1.600	1.489		-6.938	
2-Methylphenol	1.353	1.268		-6.282	
2,2-oxybis(1-Chloropropane)	1.521	1.298		-14.661	
Acetophenone	0.621	0.511		-17.713	
3+4-Methylphenols	1.944	1.767		-9.105	
n-Nitroso-di-n-propylamine	1.370	1.275	0.050	-6.934	
Nitrobenzene-d5	0.495	0.426		-13.939	
Hexachloroethane	0.560	0.546		-2.5	
Nitrobenzene	0.480	0.410		-14.583	
Isophorone	0.862	0.750		-12.993	
2-Nitrophenol	0.192	0.178		-7.292	20.0
2,4-Dimethylphenol	0.317	0.286		-9.779	
bis(2-Chloroethoxy)methane	0.481	0.424		-11.85	
2,4-Dichlorophenol	0.353	0.328		-7.082	20.0
1,2,4-Trichlorobenzene	0.388	0.375		-3.351	
Benzoic acid	0.268	0.242		-9.701	
Naphthalene	1.071	1.000		-6.629	
4-Chloroaniline	0.487	0.489		0.411	
Hexachlorobutadiene	0.282	0.284		0.709	20.0
Caprolactam	0.130	0.131		0.769	
4-Chloro-3-methylphenol	0.436	0.459		5.275	20.0
2-Methylnaphthalene	0.831	0.876		5.415	
Hexachlorocyclopentadiene	0.354	0.423	0.050	19.492	
2,4,6-Trichlorophenol	0.451	0.530		17.517	20.0
2-Fluorobiphenyl	1.480	1.652		11.622	
2,4,5-Trichlorophenol	0.537	0.621		15.642	
1,1-Biphenyl	1.432	1.452		1.397	
2-Chloronaphthalene	1.112	1.126		1.259	
2-Nitroaniline	0.402	0.395		-1.741	



7C

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Lab File ID: BP019908.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
Dimethylphthalate	1.633	1.630		-0.184	
Acenaphthylene	1.801	1.807		0.333	
2,6-Dinitrotoluene	0.351	0.358		1.994	
3-Nitroaniline	0.348	0.347		-0.287	
Acenaphthene	1.081	1.094		1.203	20.0
2,4-Dinitrophenol	0.229	0.230	0.050	0.437	
4-Nitrophenol	0.272	0.276	0.050	1.471	
Dibenzofuran	1.845	1.914		3.74	
2,4-Dinitrotoluene	0.500	0.515		3.0	
Diethylphthalate	1.613	1.652		2.418	
4-Chlorophenyl-phenylether	0.856	0.915		6.893	
Fluorene	1.497	1.559		4.142	
4-Nitroaniline	0.362	0.374		3.315	
4,6-Dinitro-2-methylphenol	0.136	0.145		6.618	
n-Nitrosodiphenylamine	0.574	0.585		1.916	20.0
Azobenzene	1.502	1.504		0.133	
2,4,6-Tribromophenol	0.343	0.381		11.079	
4-Bromophenyl-phenylether	0.247	0.259		4.858	
Hexachlorobenzene	0.267	0.280		4.869	
Atrazine	0.240	0.247		2.917	
Pentachlorophenol	0.197	0.214		8.629	20.0
Phenanthrene	1.068	1.071		0.281	
Anthracene	1.090	1.108		1.651	
Carbazole	0.965	0.966		0.104	
Di-n-butylphthalate	1.207	1.228		1.74	
Fluoranthene	1.385	1.402		1.227	20.0
Benzidine	0.574	0.608		5.923	
Pyrene	1.374	1.369		-0.364	
Terphenyl-d14	1.269	1.314		3.546	
Butylbenzylphthalate	0.549	0.547		-0.364	
3,3-Dichlorobenzidine	0.544	0.560		2.941	
Benzo (a) anthracene	1.420	1.425		0.352	
Chrysene	1.330	1.338		0.602	
Bis (2-ethylhexyl) phthalate	0.789	0.799		1.267	
Di-n-octyl phthalate	1.313	1.321		0.609	20.0
Benzo (b) fluoranthene	1.226	1.280		4.405	
Benzo (k) fluoranthene	1.203	1.231		2.328	
Benzo (a) pyrene	1.172	1.187		1.28	20.0
Indeno (1,2,3-cd) pyrene	1.408	1.317		-6.463	
Dibenzo (a,h) anthracene	1.184	1.111		-6.166	
Benzo (g,h,i) perylene	1.143	1.039		-9.099	



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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.683	0.800		17.13	
1,4-Dioxane	0.421	0.404		-4.038	20.0
2,3,4,6-Tetrachlorophenol	0.493	0.532		7.911	
1-Methylnaphthalene	0.787	0.819		4.066	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	2/15/2024 12:00:00 AM
Project:		Date Received:	2/15/2024 12:00:00 AM
Client Sample ID:	PB159054BL	SDG No.:	BP022824
Lab Sample ID:	PB159054BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019909.D	1	2/15/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159054

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

Report of Analysis

Client:		Date Collected:	2/15/2024 12:00:00 AM
Project:		Date Received:	2/15/2024 12:00:00 AM
Client Sample ID:	PB159054BL	SDG No.:	BP022824
Lab Sample ID:	PB159054BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019909.D	1	2/15/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159054

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

Report of Analysis

Client:		Date Collected:	2/15/2024 12:00:00 AM
Project:		Date Received:	2/15/2024 12:00:00 AM
Client Sample ID:	PB159054BL	SDG No.:	BP022824
Lab Sample ID:	PB159054BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019909.D	1	2/15/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.6	U	6.6	8	10	ug/L
129-00-0	Pyrene	1.9	U	1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.8	U	2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	5.4	U	5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4	5	ug/L
218-01-9	Chrysene	1.6	U	1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.9	U	2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	3.1	U	3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	2.7	U	2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	U	2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.9	U	1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4	5	ug/L
123-91-1	1,4-Dioxane	2.4	U	2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	2.1	U	2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	125.215		10-139		83	SPK: -150
13127-88-3	Phenol-d6	112.348		10-134		75	SPK: -150
4165-60-0	Nitrobenzene-d5	73.275		49-133		73	SPK: -100
321-60-8	2-Fluorobiphenyl	81.077		52-132		81	SPK: -100
118-79-6	2,4,6-Tribromophenol	129.548		32-145		86	SPK: -150
1718-51-0	Terphenyl-d14	85.062		36-145		85	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	96110	7.905				
1146-65-2	Naphthalene-d8	365146	10.704				
15067-26-2	Acenaphthene-d10	378525	14.545				
1517-22-2	Phenanthrene-d10	956316	17.304				
1719-03-5	Chrysene-d12	883534	21.404				
1520-96-3	Perylene-d12	852488	23.827				



Report of Analysis

Client:		Date Collected:	2/15/2024 12:00:00 AM
Project:		Date Received:	2/15/2024 12:00:00 AM
Client Sample ID:	PB159054BL	SDG No.:	BP022824
Lab Sample ID:	PB159054BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019909.D	1	2/15/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159054

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

Client:		Date Collected:	2/15/2024 12:00:00 AM
Project:		Date Received:	2/15/2024 12:00:00 AM
Client Sample ID:	PB159054BS	SDG No.:	BP022824
Lab Sample ID:	PB159054BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019910.D	1	2/15/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	44.4		2	8	10	ug/L
110-86-1	Pyridine	30.9		1.8	4	5	ug/L
100-52-7	Benzaldehyde	11.5		3.3	8	10	ug/L
62-53-3	Aniline	24.8		2.4	4	5	ug/L
108-95-2	Phenol	48.9		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	43.6		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	49.2		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	44.6		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	45.2		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	46.1		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	44.7		2.4	8	10	ug/L
95-48-7	2-Methylphenol	43.8		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41.2		2.3	4	5	ug/L
98-86-2	Acetophenone	40.1		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	42.2		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40.5		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	45.3		1.6	4	5	ug/L
98-95-3	Nitrobenzene	41.9		1.7	4	5	ug/L
78-59-1	Isophorone	42.3		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	45.8		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	40.7		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.4		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	49.8		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	45.7		1.7	4	5	ug/L
65-85-0	Benzoic acid	49.1		6.7	8	10	ug/L
91-20-3	Naphthalene	43.6		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	19.8		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	44		1.9	4	5	ug/L
105-60-2	Caprolactam	43.2		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	46.6		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	41.7		2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	2/15/2024 12:00:00 AM
Project:		Date Received:	2/15/2024 12:00:00 AM
Client Sample ID:	PB159054BS	SDG No.:	BP022824
Lab Sample ID:	PB159054BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019910.D	1	2/15/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	100	E	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	49.3		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	46		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	46.3		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	47.9		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	47.5		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	44.6		1.9	4	5	ug/L
208-96-8	Acenaphthylene	48.2		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	45.4		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	29.2		2.4	4	5	ug/L
83-32-9	Acenaphthene	45.3		1.7	4	5	ug/L
Total PAH	Total PAH	729.8		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	99.9	E	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	100	E	2.8	8	10	ug/L
132-64-9	Dibenzofuran	46.3		1.6	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1.5		4.6	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	46.1		2.5	4	5	ug/L
84-66-2	Diethylphthalate	45.5		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	46.1		2.2	4	5	ug/L
86-73-7	Fluorene	46.8		2	4	5	ug/L
100-01-6	4-Nitroaniline	44.3		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	46.2		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	44.3		2	4	5	ug/L
103-33-3	Azobenzene	47.4		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	43.4		2	4	5	ug/L
118-74-1	Hexachlorobenzene	46.6		1.9	4	5	ug/L
1912-24-9	Atrazine	40.4		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	88.8	E	2.6	8	10	ug/L
85-01-8	Phenanthrene	44.4		2	4	5	ug/L
120-12-7	Anthracene	44		2.3	4	5	ug/L
86-74-8	Carbazole	45.3		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	43.3		2.4	4	5	ug/L
206-44-0	Fluoranthene	43.4		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	2/15/2024 12:00:00 AM
Project:		Date Received:	2/15/2024 12:00:00 AM
Client Sample ID:	PB159054BS	SDG No.:	BP022824
Lab Sample ID:	PB159054BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019910.D	1	2/15/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	34.6		6.6	8	10	ug/L
129-00-0	Pyrene	44.9		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	43.3		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	36		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	45.1		1.5	4	5	ug/L
218-01-9	Chrysene	44.2		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	43.4		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	44.8		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	49.6		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	46.2		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	45.2		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	47.1		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	46.6		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	45.2		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	47.6		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	33		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	48.2		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	42.5		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	142.873		10-139		95	SPK: -150
13127-88-3	Phenol-d6	135.053		10-134		90	SPK: -150
4165-60-0	Nitrobenzene-d5	79.465		49-133		79	SPK: -100
321-60-8	2-Fluorobiphenyl	87.402		52-132		87	SPK: -100
118-79-6	2,4,6-Tribromophenol	141.314		32-145		94	SPK: -150
1718-51-0	Terphenyl-d14	85.077		36-145		85	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	95201	7.898				
1146-65-2	Naphthalene-d8	396293	10.704				
15067-26-2	Acenaphthene-d10	294151	14.545				
1517-22-2	Phenanthrene-d10	715664	17.31				
1719-03-5	Chrysene-d12	717576	21.41				
1520-96-3	Perylene-d12	769013	23.833				



Report of Analysis

Client:		Date Collected:	2/15/2024 12:00:00 AM
Project:		Date Received:	2/15/2024 12:00:00 AM
Client Sample ID:	PB159054BS	SDG No.:	BP022824
Lab Sample ID:	PB159054BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019910.D	1	2/15/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159054

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

Client:		Date Collected:	2/15/2024 12:00:00 AM
Project:		Date Received:	2/15/2024 12:00:00 AM
Client Sample ID:	PB159054BSD	SDG No.:	BP022824
Lab Sample ID:	PB159054BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019911.D	1	2/15/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	46.6		2	8	10	ug/L
110-86-1	Pyridine	33.2		1.8	4	5	ug/L
100-52-7	Benzaldehyde	12.3		3.3	8	10	ug/L
62-53-3	Aniline	25.3		2.4	4	5	ug/L
108-95-2	Phenol	48.6		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	41.9		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	48.5		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	44.4		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	44.8		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	45.6		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	44.6		2.4	8	10	ug/L
95-48-7	2-Methylphenol	43.3		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	40.1		2.3	4	5	ug/L
98-86-2	Acetophenone	38.8		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	41.6		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	39.8		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	44.8		1.6	4	5	ug/L
98-95-3	Nitrobenzene	40.4		1.7	4	5	ug/L
78-59-1	Isophorone	40.8		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	44.3		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	38.8		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.2		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	47.7		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	44		1.7	4	5	ug/L
65-85-0	Benzoic acid	46		6.7	8	10	ug/L
91-20-3	Naphthalene	42.4		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	18.6		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	41.9		1.9	4	5	ug/L
105-60-2	Caprolactam	42.9		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	45.4		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	40.6		2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	2/15/2024 12:00:00 AM
Project:		Date Received:	2/15/2024 12:00:00 AM
Client Sample ID:	PB159054BSD	SDG No.:	BP022824
Lab Sample ID:	PB159054BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019911.D	1	2/15/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	96.4	E	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	48.3		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	45		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	45.1		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	46.4		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	46.1		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	43.5		1.9	4	5	ug/L
208-96-8	Acenaphthylene	47.4		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	44.8		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	29.3		2.4	4	5	ug/L
83-32-9	Acenaphthene	44.2		1.7	4	5	ug/L
Total PAH	Total PAH	713		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	100	E	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	100	E	2.8	8	10	ug/L
132-64-9	Dibenzofuran	45.4		1.6	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1.1		4.6	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	46.3		2.5	4	5	ug/L
84-66-2	Diethylphthalate	44.4		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	44.8		2.2	4	5	ug/L
86-73-7	Fluorene	45.8		2	4	5	ug/L
100-01-6	4-Nitroaniline	44.3		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	45.6		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	43.1		2	4	5	ug/L
103-33-3	Azobenzene	46		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	42.6		2	4	5	ug/L
118-74-1	Hexachlorobenzene	45.7		1.9	4	5	ug/L
1912-24-9	Atrazine	39		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	87.4	E	2.6	8	10	ug/L
85-01-8	Phenanthrene	42.9		2	4	5	ug/L
120-12-7	Anthracene	42.8		2.3	4	5	ug/L
86-74-8	Carbazole	43.8		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	41.6		2.4	4	5	ug/L
206-44-0	Fluoranthene	42.3		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	2/15/2024 12:00:00 AM
Project:		Date Received:	2/15/2024 12:00:00 AM
Client Sample ID:	PB159054BSD	SDG No.:	BP022824
Lab Sample ID:	PB159054BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019911.D	1	2/15/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	31.5		6.6	8	10	ug/L
129-00-0	Pyrene	45.8		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	43.2		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	34.1		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	44.9		1.5	4	5	ug/L
218-01-9	Chrysene	44		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	41.7		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	41.6		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	49.8		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	49.1		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	44.5		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	43.2		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	42.7		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	41.2		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	46		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	34		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	47.1		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	40.9		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	141.048		10-139		94	SPK: -150
13127-88-3	Phenol-d6	132.091		10-134		88	SPK: -150
4165-60-0	Nitrobenzene-d5	77.242		49-133		77	SPK: -100
321-60-8	2-Fluorobiphenyl	84.202		52-132		84	SPK: -100
118-79-6	2,4,6-Tribromophenol	137.947		32-145		92	SPK: -150
1718-51-0	Terphenyl-d14	86.402		36-145		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	84843	7.899				
1146-65-2	Naphthalene-d8	361805	10.704				
15067-26-2	Acenaphthene-d10	267171	14.545				
1517-22-2	Phenanthrene-d10	659610	17.304				
1719-03-5	Chrysene-d12	631722	21.41				
1520-96-3	Perylene-d12	611127	23.827				



Report of Analysis

Client:		Date Collected:	2/15/2024 12:00:00 AM
Project:		Date Received:	2/15/2024 12:00:00 AM
Client Sample ID:	PB159054BSD	SDG No.:	BP022824
Lab Sample ID:	PB159054BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019911.D	1	2/15/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159054

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

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159321BL	SDG No.:	BP022824
Lab Sample ID:	PB159321BL	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
BP019912.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	77.3	U	77.3	270	330	ug/Kg
110-86-1	Pyridine	72.4	U	72.4	130	170	ug/Kg
100-52-7	Benzaldehyde	150	U	150	270	330	ug/Kg
62-53-3	Aniline	120	U	120	130	170	ug/Kg
108-95-2	Phenol	74.4	U	74.4	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.8	U	89.8	130	170	ug/Kg
95-57-8	2-Chlorophenol	72	U	72	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	81.7	U	81.7	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	88.5	U	88.5	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	82.4	U	82.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	98.8	U	98.8	270	330	ug/Kg
95-48-7	2-Methylphenol	110	U	110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	130	170	ug/Kg
98-86-2	Acetophenone	86.7	U	86.7	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	59	U	59	80	80	ug/Kg
67-72-1	Hexachloroethane	73.6	U	73.6	130	170	ug/Kg
98-95-3	Nitrobenzene	75.2	U	75.2	130	170	ug/Kg
78-59-1	Isophorone	68.1	U	68.1	130	170	ug/Kg
88-75-5	2-Nitrophenol	95.1	U	95.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	99.6	U	99.6	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	78.1	U	78.1	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	77.5	U	77.5	130	170	ug/Kg
65-85-0	Benzoic acid	210	U	210	270	330	ug/Kg
91-20-3	Naphthalene	81.4	U	81.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	84	U	84	130	170	ug/Kg
105-60-2	Caprolactam	120	U	120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.5	U	82.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	94.9	U	94.9	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159321BL	SDG No.:	BP022824
Lab Sample ID:	PB159321BL	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
BP019912.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	210	U	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.1	U	77.1	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.9	U	87.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	91.3	U	91.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.6	U	84.6	130	170	ug/Kg
88-74-4	2-Nitroaniline	99.3	U	99.3	130	170	ug/Kg
131-11-3	Dimethylphthalate	88.9	U	88.9	130	170	ug/Kg
208-96-8	Acenaphthylene	88.4	U	88.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	90	U	90	130	170	ug/Kg
99-09-2	3-Nitroaniline	93.4	U	93.4	130	170	ug/Kg
83-32-9	Acenaphthene	80.3	U	80.3	130	170	ug/Kg
Total PAH	Total PAH	1438.1	U	1438.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	270	330	ug/Kg
132-64-9	Dibenzofuran	76.9	U	76.9	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	189.9	U	189.9	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.9	U	99.9	130	170	ug/Kg
84-66-2	Diethylphthalate	85.9	U	85.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.4	U	90.4	130	170	ug/Kg
86-73-7	Fluorene	84.8	U	84.8	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.8	U	87.8	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.3	U	93.3	130	170	ug/Kg
103-33-3	Azobenzene	73.5	U	73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.4	U	97.4	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.8	U	98.8	130	170	ug/Kg
1912-24-9	Atrazine	95.4	U	95.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	92.7	U	92.7	130	170	ug/Kg
120-12-7	Anthracene	100	U	100	130	170	ug/Kg
86-74-8	Carbazole	84.9	U	84.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	94.4	U	94.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159321BL	SDG No.:	BP022824
Lab Sample ID:	PB159321BL	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
BP019912.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	270	330	ug/Kg
129-00-0	Pyrene	83.7	U	83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	83.9	U	83.9	130	170	ug/Kg
218-01-9	Chrysene	86.8	U	86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.3	U	80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.1	U	88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.3	U	94.3	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.5	U	96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.5	U	92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.4	U	89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.9	U	82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.2	U	90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	126.524		18-112		84	SPK: -150
13127-88-3	Phenol-d6	113.988		15-107		76	SPK: -150
4165-60-0	Nitrobenzene-d5	74.561		18-107		75	SPK: -100
321-60-8	2-Fluorobiphenyl	83.503		20-109		84	SPK: -100
118-79-6	2,4,6-Tribromophenol	146.065		10-110		97	SPK: -150
1718-51-0	Terphenyl-d14	82.791		14-112		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	73568	7.905				
1146-65-2	Naphthalene-d8	283327	10.704				
15067-26-2	Acenaphthene-d10	211074	14.545				
1517-22-2	Phenanthrene-d10	559411	17.304				
1719-03-5	Chrysene-d12	601791	21.404				
1520-96-3	Perylene-d12	632230	23.827				



Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159321BL	SDG No.:	BP022824
Lab Sample ID:	PB159321BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019912.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

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

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159321BS	SDG No.:	BP022824
Lab Sample ID:	PB159321BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019913.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		77.2	270	330	ug/Kg
110-86-1	Pyridine	1000		72.3	130	170	ug/Kg
100-52-7	Benzaldehyde	410		150	270	330	ug/Kg
62-53-3	Aniline	850		120	130	170	ug/Kg
108-95-2	Phenol	1700		74.3	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		89.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1700		71.9	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		81.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		88.4	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		82.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1500		98.7	270	330	ug/Kg
95-48-7	2-Methylphenol	1500		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		100	130	170	ug/Kg
98-86-2	Acetophenone	1000		86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		58.9	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	2000		73.5	130	170	ug/Kg
98-95-3	Nitrobenzene	1400		75.1	130	170	ug/Kg
78-59-1	Isophorone	1500		68	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		95	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		99.5	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		78	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		77.4	130	170	ug/Kg
65-85-0	Benzoic acid	1700		210	270	330	ug/Kg
91-20-3	Naphthalene	1500		81.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	680		100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.9	130	170	ug/Kg
105-60-2	Caprolactam	1200		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1300		82.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1200		94.8	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159321BS	SDG No.:	BP022824
Lab Sample ID:	PB159321BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019913.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	3300	E	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		77	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		87.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		91.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	1500		99.2	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	1000		93.3	130	170	ug/Kg
83-32-9	Acenaphthene	1500		80.2	130	170	ug/Kg
Total PAH	Total PAH	24900		1436.7	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3500	E	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	3400	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1600		76.8	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		99.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3200		189.7	130	340	ug/Kg
84-66-2	Diethylphthalate	1600		85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		90.3	130	170	ug/Kg
86-73-7	Fluorene	1600		84.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	1500		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		87.7	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		93.2	130	170	ug/Kg
103-33-3	Azobenzene	1600		73.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		97.3	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1700		98.7	130	170	ug/Kg
1912-24-9	Atrazine	1400		95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	3200	E	110	270	330	ug/Kg
85-01-8	Phenanthrene	1500		92.6	130	170	ug/Kg
120-12-7	Anthracene	1500		100	130	170	ug/Kg
86-74-8	Carbazole	1500		84.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1400		100	130	170	ug/Kg
206-44-0	Fluoranthene	1500		94.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159321BS	SDG No.:	BP022824
Lab Sample ID:	PB159321BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019913.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	780		190	270	330	ug/Kg
129-00-0	Pyrene	1600		83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1400		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		83.8	130	170	ug/Kg
218-01-9	Chrysene	1500		86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400		110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		94.2	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	1100		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1100		90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	165.489		18-112		110	SPK: -150
13127-88-3	Phenol-d6	141.156		15-107		94	SPK: -150
4165-60-0	Nitrobenzene-d5	82.126		18-107		82	SPK: -100
321-60-8	2-Fluorobiphenyl	90.47		20-109		90	SPK: -100
118-79-6	2,4,6-Tribromophenol	155.124		10-110		103	SPK: -150
1718-51-0	Terphenyl-d14	91.765		14-112		92	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	76488	7.899				
1146-65-2	Naphthalene-d8	455961	10.705				
15067-26-2	Acenaphthene-d10	253303	14.546				
1517-22-2	Phenanthrene-d10	620271	17.31				
1719-03-5	Chrysene-d12	603306	21.41				
1520-96-3	Perylene-d12	591490	23.827				



Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	PB159321BS	SDG No.:	BP022824
Lab Sample ID:	PB159321BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019913.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

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

Client:		Date Collected:	2/9/2024 12:00:00 AM
Project:		Date Received:	2/9/2024 12:00:00 AM
Client Sample ID:	20241097-COMPOSITE-35N-N-4-02	SDG No.:	BP022824
Lab Sample ID:	P1538-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	66.7
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
BP019914.D	1	2/22/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	230	U	230	810	990	ug/Kg
110-86-1	Pyridine	220	U	220	390	510	ug/Kg
100-52-7	Benzaldehyde	440	U	440	810	990	ug/Kg
62-53-3	Aniline	350	U	350	390	510	ug/Kg
108-95-2	Phenol	220	U	220	390	510	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	270	U	270	390	510	ug/Kg
95-57-8	2-Chlorophenol	220	U	220	390	510	ug/Kg
95-50-1	1,2-Dichlorobenzene	240	U	240	390	510	ug/Kg
541-73-1	1,3-Dichlorobenzene	270	U	270	390	510	ug/Kg
106-46-7	1,4-Dichlorobenzene	250	U	250	390	510	ug/Kg
100-51-6	Benzyl Alcohol	300	U	300	810	990	ug/Kg
95-48-7	2-Methylphenol	340	U	340	390	510	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	310	U	310	390	510	ug/Kg
98-86-2	Acetophenone	260	U	260	390	510	ug/Kg
65794-96-9	3+4-Methylphenols	320	U	320	810	990	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	180	240	240	ug/Kg
67-72-1	Hexachloroethane	220	U	220	390	510	ug/Kg
98-95-3	Nitrobenzene	230	U	230	390	510	ug/Kg
78-59-1	Isophorone	200	U	200	390	510	ug/Kg
88-75-5	2-Nitrophenol	290	U	290	390	510	ug/Kg
105-67-9	2,4-Dimethylphenol	300	U	300	390	510	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	340	U	340	390	510	ug/Kg
120-83-2	2,4-Dichlorophenol	230	U	230	390	510	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	230	U	230	390	510	ug/Kg
65-85-0	Benzoic acid	640	U	640	810	990	ug/Kg
91-20-3	Naphthalene	240	U	240	390	510	ug/Kg
106-47-8	4-Chloroaniline	310	U	310	390	510	ug/Kg
87-68-3	Hexachlorobutadiene	250	U	250	390	510	ug/Kg
105-60-2	Caprolactam	350	U	350	810	990	ug/Kg
59-50-7	4-Chloro-3-methylphenol	250	U	250	390	510	ug/Kg
91-57-6	2-Methylnaphthalene	280	U	280	390	510	ug/Kg

Report of Analysis

Client:		Date Collected:	2/9/2024 12:00:00 AM
Project:		Date Received:	2/9/2024 12:00:00 AM
Client Sample ID:	20241097-COMPOSITE-35N-N-4-02	SDG No.:	BP022824
Lab Sample ID:	P1538-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	66.7
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
BP019914.D	1	2/22/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	630	U	630	810	990	ug/Kg
88-06-2	2,4,6-Trichlorophenol	230	U	230	390	510	ug/Kg
95-95-4	2,4,5-Trichlorophenol	260	U	260	390	510	ug/Kg
92-52-4	1,1-Biphenyl	270	U	270	390	510	ug/Kg
91-58-7	2-Chloronaphthalene	250	U	250	390	510	ug/Kg
88-74-4	2-Nitroaniline	300	U	300	390	510	ug/Kg
131-11-3	Dimethylphthalate	270	U	270	390	510	ug/Kg
208-96-8	Acenaphthylene	260	U	260	390	510	ug/Kg
606-20-2	2,6-Dinitrotoluene	270	U	270	390	510	ug/Kg
99-09-2	3-Nitroaniline	280	U	280	390	510	ug/Kg
83-32-9	Acenaphthene	240	U	240	390	510	ug/Kg
Total PAH	Total PAH	4290	U	4290	390	8160	ug/Kg
51-28-5	2,4-Dinitrophenol	540	U	540	810	990	ug/Kg
100-02-7	4-Nitrophenol	340	U	340	810	990	ug/Kg
132-64-9	Dibenzofuran	230	U	230	390	510	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	570	U	570	390	1020	ug/Kg
121-14-2	2,4-Dinitrotoluene	300	U	300	390	510	ug/Kg
84-66-2	Diethylphthalate	690		260	390	510	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	270	U	270	390	510	ug/Kg
86-73-7	Fluorene	250	U	250	390	510	ug/Kg
100-01-6	4-Nitroaniline	310	U	310	390	510	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	260	U	260	810	990	ug/Kg
86-30-6	n-Nitrosodiphenylamine	280	U	280	390	510	ug/Kg
103-33-3	Azobenzene	220	U	220	390	510	ug/Kg
101-55-3	4-Bromophenyl-phenylether	290	U	290	390	510	ug/Kg
118-74-1	Hexachlorobenzene	300	U	300	390	510	ug/Kg
1912-24-9	Atrazine	290	U	290	390	510	ug/Kg
87-86-5	Pentachlorophenol	330	U	330	810	990	ug/Kg
85-01-8	Phenanthrene	280	U	280	390	510	ug/Kg
120-12-7	Anthracene	310	U	310	390	510	ug/Kg
86-74-8	Carbazole	250	U	250	390	510	ug/Kg
84-74-2	Di-n-butylphthalate	1200		310	390	510	ug/Kg
206-44-0	Fluoranthene	280	U	280	390	510	ug/Kg

Report of Analysis

Client:		Date Collected:	2/9/2024 12:00:00 AM
Project:		Date Received:	2/9/2024 12:00:00 AM
Client Sample ID:	20241097-COMPOSITE-35N-N-4-02	SDG No.:	BP022824
Lab Sample ID:	P1538-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	66.7
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
BP019914.D	1	2/22/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	580	U	580	810	990	ug/Kg
129-00-0	Pyrene	250	U	250	390	510	ug/Kg
85-68-7	Butylbenzylphthalate	310	U	310	390	510	ug/Kg
91-94-1	3,3-Dichlorobenzidine	480	U	480	810	990	ug/Kg
56-55-3	Benzo(a)anthracene	250	U	250	390	510	ug/Kg
218-01-9	Chrysene	260	U	260	390	510	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	360	J	340	390	510	ug/Kg
117-84-0	Di-n-octyl phthalate	370	U	370	810	990	ug/Kg
205-99-2	Benzo(b)fluoranthene	240	U	240	390	510	ug/Kg
207-08-9	Benzo(k)fluoranthene	260	U	260	390	510	ug/Kg
50-32-8	Benzo(a)pyrene	280	U	280	390	510	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	320	U	320	390	510	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	290	U	290	390	510	ug/Kg
191-24-2	Benzo(g,h,i)perylene	280	U	280	390	510	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	270	U	270	390	510	ug/Kg
123-91-1	1,4-Dioxane	350	U	350	390	510	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	250	390	510	ug/Kg
90-12-0	1-Methylnaphthalene	270	U	270	510	510	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	93.531		18-112		62	SPK: -150
13127-88-3	Phenol-d6	79.069		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	60.124		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	65.273		20-109		65	SPK: -100
118-79-6	2,4,6-Tribromophenol	92.226		10-110		61	SPK: -150
1718-51-0	Terphenyl-d14	47.866		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	60314	7.887				
1146-65-2	Naphthalene-d8	201577	10.687				
15067-26-2	Acenaphthene-d10	118288	14.534				
1517-22-2	Phenanthrene-d10	234150	17.298				
1719-03-5	Chrysene-d12	275796	21.398				
1520-96-3	Perylene-d12	386924	23.816				

Report of Analysis

Client:		Date Collected:	2/9/2024 12:00:00 AM
Project:		Date Received:	2/9/2024 12:00:00 AM
Client Sample ID:	20241097-COMPOSITE-35N-N-4-02	SDG No.:	BP022824
Lab Sample ID:	P1538-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	66.7
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019914.D	1	2/22/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown	15.934					
000057-11-4	Octadecanoic acid	2400	J			15.934	
000544-63-8	Tetradecanoic acid	7200	J			16.492	
003622-84-2	Tetradecanoic acid	290	J			16.698	
003622-84-2	Benzenesulfonamide, N-butyl-	530	J			17.116	
000084-69-5	1,2-Benzenedicarboxylic acid, bis(2-methylpr	240	J			17.598	
000057-10-3	n-Hexadecanoic acid	4500	J			18.198	
116196-83-9	4,4-Bis(tetrahydrothiopyran)	220	J			19.316	
001002-84-2	Pentadecanoic acid	2000	J			19.433	
1000377-93-5	Phthalic acid, di(2-propylpentyl)	460	J			20.286	
1000309-37-9	Oxalic acid, isobutyl tetradecyl e	280	J			21.122	

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240766-AMENDED-COMP-39N-N-3-01	SDG No.:	BP022824
Lab Sample ID:	P1523-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	58.5
Sample Wt/Vol:	30.07 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
BP019915.D	1	2/20/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	190	U	190	650	790	ug/Kg
110-86-1	Pyridine	170	U	170	310	410	ug/Kg
100-52-7	Benzaldehyde	360	U	360	650	790	ug/Kg
62-53-3	Aniline	280	U	280	310	410	ug/Kg
108-95-2	Phenol	180	U	180	310	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	220	U	220	310	410	ug/Kg
95-57-8	2-Chlorophenol	170	U	170	310	410	ug/Kg
95-50-1	1,2-Dichlorobenzene	200	U	200	310	410	ug/Kg
541-73-1	1,3-Dichlorobenzene	210	U	210	310	410	ug/Kg
106-46-7	1,4-Dichlorobenzene	200	U	200	310	410	ug/Kg
100-51-6	Benzyl Alcohol	240	U	240	650	790	ug/Kg
95-48-7	2-Methylphenol	270	U	270	310	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	250	U	250	310	410	ug/Kg
98-86-2	Acetophenone	210	U	210	310	410	ug/Kg
65794-96-9	3+4-Methylphenols	260	U	260	650	790	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	140	U	140	190	190	ug/Kg
67-72-1	Hexachloroethane	180	U	180	310	410	ug/Kg
98-95-3	Nitrobenzene	180	U	180	310	410	ug/Kg
78-59-1	Isophorone	160	U	160	310	410	ug/Kg
88-75-5	2-Nitrophenol	230	U	230	310	410	ug/Kg
105-67-9	2,4-Dimethylphenol	240	U	240	310	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	270	U	270	310	410	ug/Kg
120-83-2	2,4-Dichlorophenol	190	U	190	310	410	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	190	U	190	310	410	ug/Kg
65-85-0	Benzoic acid	510	U	510	650	790	ug/Kg
91-20-3	Naphthalene	200	U	200	310	410	ug/Kg
106-47-8	4-Chloroaniline	250	U	250	310	410	ug/Kg
87-68-3	Hexachlorobutadiene	200	U	200	310	410	ug/Kg
105-60-2	Caprolactam	280	U	280	650	790	ug/Kg
59-50-7	4-Chloro-3-methylphenol	200	U	200	310	410	ug/Kg
91-57-6	2-Methylnaphthalene	230	U	230	310	410	ug/Kg

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240766-AMENDED-COMP-39N-N-3-01	SDG No.:	BP022824
Lab Sample ID:	P1523-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	58.5
Sample Wt/Vol:	30.07 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
BP019915.D	1	2/20/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	500	U	500	650	790	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	190	310	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	210	U	210	310	410	ug/Kg
92-52-4	1,1-Biphenyl	220	U	220	310	410	ug/Kg
91-58-7	2-Chloronaphthalene	200	U	200	310	410	ug/Kg
88-74-4	2-Nitroaniline	240	U	240	310	410	ug/Kg
131-11-3	Dimethylphthalate	210	U	210	310	410	ug/Kg
208-96-8	Acenaphthylene	210	U	210	310	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	220	U	220	310	410	ug/Kg
99-09-2	3-Nitroaniline	220	U	220	310	410	ug/Kg
83-32-9	Acenaphthene	190	U	190	310	410	ug/Kg
Total PAH	Total PAH	3450	U	3450	310	6560	ug/Kg
51-28-5	2,4-Dinitrophenol	430	U	430	650	790	ug/Kg
100-02-7	4-Nitrophenol	270	U	270	650	790	ug/Kg
132-64-9	Dibenzofuran	180	U	180	310	410	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	460	U	460	310	820	ug/Kg
121-14-2	2,4-Dinitrotoluene	240	U	240	310	410	ug/Kg
84-66-2	Diethylphthalate	210	U	210	310	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	220	U	220	310	410	ug/Kg
86-73-7	Fluorene	200	U	200	310	410	ug/Kg
100-01-6	4-Nitroaniline	250	U	250	310	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	210	U	210	650	790	ug/Kg
86-30-6	n-Nitrosodiphenylamine	220	U	220	310	410	ug/Kg
103-33-3	Azobenzene	180	U	180	310	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	230	U	230	310	410	ug/Kg
118-74-1	Hexachlorobenzene	240	U	240	310	410	ug/Kg
1912-24-9	Atrazine	230	U	230	310	410	ug/Kg
87-86-5	Pentachlorophenol	270	U	270	650	790	ug/Kg
85-01-8	Phenanthrene	220	U	220	310	410	ug/Kg
120-12-7	Anthracene	250	U	250	310	410	ug/Kg
86-74-8	Carbazole	200	U	200	310	410	ug/Kg
84-74-2	Di-n-butylphthalate	250	J	250	310	410	ug/Kg
206-44-0	Fluoranthene	230	U	230	310	410	ug/Kg

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240766-AMENDED-COMP-39N-N-3-01	SDG No.:	BP022824
Lab Sample ID:	P1523-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	58.5
Sample Wt/Vol:	30.07 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
BP019915.D	1	2/20/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	460	U	460	650	790	ug/Kg
129-00-0	Pyrene	200	U	200	310	410	ug/Kg
85-68-7	Butylbenzylphthalate	250	U	250	310	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	390	U	390	650	790	ug/Kg
56-55-3	Benzo(a)anthracene	200	U	200	310	410	ug/Kg
218-01-9	Chrysene	210	U	210	310	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	280	U	280	310	410	ug/Kg
117-84-0	Di-n-octyl phthalate	300	U	300	650	790	ug/Kg
205-99-2	Benzo(b)fluoranthene	190	U	190	310	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	210	U	210	310	410	ug/Kg
50-32-8	Benzo(a)pyrene	230	U	230	310	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	260	U	260	310	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	230	U	230	310	410	ug/Kg
191-24-2	Benzo(g,h,i)perylene	220	U	220	310	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	210	U	210	310	410	ug/Kg
123-91-1	1,4-Dioxane	280	U	280	310	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	200	U	200	310	410	ug/Kg
90-12-0	1-Methylnaphthalene	220	U	220	410	410	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	46.064		18-112		31	SPK: -150
13127-88-3	Phenol-d6	54.625		15-107		36	SPK: -150
4165-60-0	Nitrobenzene-d5	55.488		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	60.353		20-109		60	SPK: -100
118-79-6	2,4,6-Tribromophenol	32.421		10-110		22	SPK: -150
1718-51-0	Terphenyl-d14	51.658		14-112		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	99486	7.887				
1146-65-2	Naphthalene-d8	362489	10.687				
15067-26-2	Acenaphthene-d10	229664	14.534				
1517-22-2	Phenanthrene-d10	459271	17.292				
1719-03-5	Chrysene-d12	477659	21.398				
1520-96-3	Perylene-d12	630252	23.821				

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240766-AMENDED-COMP-39N-N-3-01	SDG No.:	BP022824
Lab Sample ID:	P1523-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	58.5
Sample Wt/Vol:	30.07 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
BP019915.D	1	2/20/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
001569-50-2	3-Penten-2-ol	7800	J			3.123	
000556-82-1	Prenol	770	J			4.064	
000107-86-8	2-Butenal, 3-methyl-	230	J			4.234	
000544-12-7	3-Hexen-1-ol	260	J			4.446	
000108-11-2	2-Pentanol, 4-methyl-	1100	J			4.634	
000594-61-6	Propanoic acid, 2-hydroxy-2-methyl	660	J			4.687	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4100	A			5.011	
	unknown7.587	340	J			7.587	
	unknown9.422	4800	J			9.422	
	unknown11.075	270	J			11.075	
000291-22-5	1,2,4,5-Tetrathiane	520	J			13.299	
	unknown13.587	230	J			13.587	
	unknown14.457	270	J			14.457	
013798-23-7	Hexathiane	340	J			15.14	
	unknown15.934	400	J			15.934	
000292-46-6	Lenthionine	640	J			16.269	
	unknown17.069	860	J			17.069	
000057-10-3	n-Hexadecanoic acid	630	J			18.192	
000057-11-4	Octadecanoic acid	290	J			19.433	
000295-48-7	Cyclopentadecane	370	J			21.122	

Report of Analysis

Client:		Date Collected:	2/23/2024 12:00:00 AM
Project:		Date Received:	2/23/2024 12:00:00 AM
Client Sample ID:	AU-06-02232024	SDG No.:	BP022824
Lab Sample ID:	P1584-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.3
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019916.D	1	2/26/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52.8	U	52.8	180	230	ug/Kg
110-86-1	Pyridine	49.5	U	49.5	88.9	120	ug/Kg
100-52-7	Benzaldehyde	100	U	100	180	230	ug/Kg
62-53-3	Aniline	80	U	80	88.9	120	ug/Kg
108-95-2	Phenol	50.8	U	50.8	88.9	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	61.4	U	61.4	88.9	120	ug/Kg
95-57-8	2-Chlorophenol	49.2	U	49.2	88.9	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	55.8	U	55.8	88.9	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	60.5	U	60.5	88.9	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	56.3	U	56.3	88.9	120	ug/Kg
100-51-6	Benzyl Alcohol	67.5	U	67.5	180	230	ug/Kg
95-48-7	2-Methylphenol	77.9	U	77.9	88.9	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	71.8	U	71.8	88.9	120	ug/Kg
98-86-2	Acetophenone	59.3	U	59.3	88.9	120	ug/Kg
65794-96-9	3+4-Methylphenols	73.8	U	73.8	180	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	54.7	54.7	ug/Kg
67-72-1	Hexachloroethane	50.3	U	50.3	88.9	120	ug/Kg
98-95-3	Nitrobenzene	51.4	U	51.4	88.9	120	ug/Kg
78-59-1	Isophorone	46.5	U	46.5	88.9	120	ug/Kg
88-75-5	2-Nitrophenol	65	U	65	88.9	120	ug/Kg
105-67-9	2,4-Dimethylphenol	68.1	U	68.1	88.9	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	76.5	U	76.5	88.9	120	ug/Kg
120-83-2	2,4-Dichlorophenol	53.4	U	53.4	88.9	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	53	U	53	88.9	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	180	230	ug/Kg
91-20-3	Naphthalene	55.6	U	55.6	88.9	120	ug/Kg
106-47-8	4-Chloroaniline	71.8	U	71.8	88.9	120	ug/Kg
87-68-3	Hexachlorobutadiene	57.4	U	57.4	88.9	120	ug/Kg
105-60-2	Caprolactam	80	U	80	180	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	56.4	U	56.4	88.9	120	ug/Kg
91-57-6	2-Methylnaphthalene	64.9	U	64.9	88.9	120	ug/Kg

Report of Analysis

Client:		Date Collected:	2/23/2024 12:00:00 AM
Project:		Date Received:	2/23/2024 12:00:00 AM
Client Sample ID:	AU-06-02232024	SDG No.:	BP022824
Lab Sample ID:	P1584-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.3
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019916.D	1	2/26/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	180	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	52.7	U	52.7	88.9	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	60.1	U	60.1	88.9	120	ug/Kg
92-52-4	1,1-Biphenyl	62.4	U	62.4	88.9	120	ug/Kg
91-58-7	2-Chloronaphthalene	57.8	U	57.8	88.9	120	ug/Kg
88-74-4	2-Nitroaniline	67.9	U	67.9	88.9	120	ug/Kg
131-11-3	Dimethylphthalate	60.8	U	60.8	88.9	120	ug/Kg
208-96-8	Acenaphthylene	60.4	U	60.4	88.9	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	61.5	U	61.5	88.9	120	ug/Kg
99-09-2	3-Nitroaniline	63.8	U	63.8	88.9	120	ug/Kg
83-32-9	Acenaphthene	54.9	U	54.9	88.9	120	ug/Kg
Total PAH	Total PAH	1305.8	U	982.2	88.9	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	230	ug/Kg
100-02-7	4-Nitrophenol	77.9	U	77.9	180	230	ug/Kg
132-64-9	Dibenzofuran	52.6	U	52.6	88.9	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	68.3	U	68.3	88.9	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	29.8	U	129.8	88.9	240	ug/Kg
84-66-2	Diethylphthalate	58.7	U	58.7	88.9	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	61.8	U	61.8	88.9	120	ug/Kg
86-73-7	Fluorene	58	U	58	88.9	120	ug/Kg
100-01-6	4-Nitroaniline	71.1	U	71.1	88.9	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	60	U	60	180	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	63.8	U	63.8	88.9	120	ug/Kg
103-33-3	Azobenzene	50.2	U	50.2	88.9	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	66.6	U	66.6	88.9	120	ug/Kg
118-74-1	Hexachlorobenzene	67.5	U	67.5	88.9	120	ug/Kg
1912-24-9	Atrazine	65.2	U	65.2	88.9	120	ug/Kg
87-86-5	Pentachlorophenol	75.9	U	75.9	180	230	ug/Kg
85-01-8	Phenanthrene	150		63.4	88.9	120	ug/Kg
120-12-7	Anthracene	69.7	U	69.7	88.9	120	ug/Kg
86-74-8	Carbazole	58	U	58	88.9	120	ug/Kg
84-74-2	Di-n-butylphthalate	71.1	U	71.1	88.9	120	ug/Kg
206-44-0	Fluoranthene	250		64.5	88.9	120	ug/Kg

Report of Analysis

Client:		Date Collected:	2/23/2024 12:00:00 AM
Project:		Date Received:	2/23/2024 12:00:00 AM
Client Sample ID:	AU-06-02232024	SDG No.:	BP022824
Lab Sample ID:	P1584-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.3
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019916.D	1	2/26/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	180	230	ug/Kg
129-00-0	Pyrene	220		57.2	88.9	120	ug/Kg
85-68-7	Butylbenzylphthalate	150		70.4	88.9	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	230	ug/Kg
56-55-3	Benzo(a)anthracene	140		57.3	88.9	120	ug/Kg
218-01-9	Chrysene	150		59.3	88.9	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	78.6	U	78.6	88.9	120	ug/Kg
117-84-0	Di-n-octyl phthalate	84.1	U	84.1	180	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	170		54.9	88.9	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	60.2	U	60.2	88.9	120	ug/Kg
50-32-8	Benzo(a)pyrene	130		64.5	88.9	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	73.1	U	73.1	88.9	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	66	U	66	88.9	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	95.8	J	63.2	88.9	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	61.1	U	61.1	88.9	120	ug/Kg
123-91-1	1,4-Dioxane	80	U	80	88.9	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	56.7	U	56.7	88.9	120	ug/Kg
90-12-0	1-Methylnaphthalene	61.6	U	61.6	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	82.305		18-112		55	SPK: -150
13127-88-3	Phenol-d6	74		15-107		49	SPK: -150
4165-60-0	Nitrobenzene-d5	53.048		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	56.258		20-109		56	SPK: -100
118-79-6	2,4,6-Tribromophenol	87.999		10-110		59	SPK: -150
1718-51-0	Terphenyl-d14	52.971		14-112		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	96268	7.887				
1146-65-2	Naphthalene-d8	344417	10.687				
15067-26-2	Acenaphthene-d10	227674	14.534				
1517-22-2	Phenanthrene-d10	522990	17.292				
1719-03-5	Chrysene-d12	545871	21.398				
1520-96-3	Perylene-d12	614583	23.821				

Report of Analysis

Client:		Date Collected:	2/23/2024 12:00:00 AM
Project:		Date Received:	2/23/2024 12:00:00 AM
Client Sample ID:	AU-06-02232024	SDG No.:	BP022824
Lab Sample ID:	P1584-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.3
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019916.D	1	2/26/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000629-50-5	Tridecane	130	J			12.11	
000629-59-4	Tetradecane	130	J			13.357	
000629-62-9	Pentadecane	190	J			14.434	
000544-77-4	Hexadecane, 1-iodo-	200	J			15.387	
003892-00-0	Pentadecane, 2,6,10-trimethyl-	84.5	J			15.798	
000646-31-1	Tetracosane	260	J			16.257	
000629-92-5	Nonadecane	160	J			17.057	
000112-40-3	Dodecane	120	J			17.11	
000112-95-8	Eicosane	150	J			17.804	
000112-39-0	Hexadecanoic acid, methyl ester	1100	J			17.98	
000057-10-3	n-Hexadecanoic acid	620	J			18.204	
000593-49-7	Heptacosane	130	J			18.48	
013038-47-6	9,11-Octadecadienoic acid, methyl	6300	J			19.092	
000112-62-9	9-Octadecenoic acid (Z)-, methyl e	3600	J			19.122	
000112-61-8	Methyl stearate	670	J			19.245	
000057-11-4	Octadecanoic acid	180	J			19.439	
1000406-04-8	Pentadecafluorooctanoic acid, octa	130	J			21.122	

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	WC-2	SDG No.:	BP022824
Lab Sample ID:	P1602-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	30.1	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
BP019917.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.7	U	86.7	300	370	ug/Kg
110-86-1	Pyridine	81.2	U	81.2	150	190	ug/Kg
100-52-7	Benzaldehyde	170	U	170	300	370	ug/Kg
62-53-3	Aniline	130	U	130	150	190	ug/Kg
108-95-2	Phenol	83.4	U	83.4	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	190	ug/Kg
95-57-8	2-Chlorophenol	80.7	U	80.7	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	91.6	U	91.6	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	99.2	U	99.2	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	92.4	U	92.4	150	190	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	300	370	ug/Kg
95-48-7	2-Methylphenol	130	U	130	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	190	ug/Kg
98-86-2	Acetophenone	97.2	U	97.2	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	66.1	U	66.1	89.7	89.7	ug/Kg
67-72-1	Hexachloroethane	82.5	U	82.5	150	190	ug/Kg
98-95-3	Nitrobenzene	84.3	U	84.3	150	190	ug/Kg
78-59-1	Isophorone	76.3	U	76.3	150	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	87.6	U	87.6	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	86.9	U	86.9	150	190	ug/Kg
65-85-0	Benzoic acid	240	U	240	300	370	ug/Kg
91-20-3	Naphthalene	2600		91.3	150	190	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	94.2	U	94.2	150	190	ug/Kg
105-60-2	Caprolactam	130	U	130	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	92.5	U	92.5	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	800		110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	WC-2	SDG No.:	BP022824
Lab Sample ID:	P1602-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019917.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	240	U	240	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	86.4	U	86.4	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	98.5	U	98.5	150	190	ug/Kg
92-52-4	1,1-Biphenyl	270		100	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	94.8	U	94.8	150	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	190	ug/Kg
131-11-3	Dimethylphthalate	99.7	U	99.7	150	190	ug/Kg
208-96-8	Acenaphthylene	690		99.1	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	150	190	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	150	190	ug/Kg
83-32-9	Acenaphthene	1100		90	150	190	ug/Kg
Total PAH	Total PAH	48780		1609.5	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	300	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	370	ug/Kg
132-64-9	Dibenzofuran	1100		86.2	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	150	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	150	190	ug/Kg
84-66-2	Diethylphthalate	96.3	U	96.3	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	190	ug/Kg
86-73-7	Fluorene	1800		95.1	150	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	98.4	U	98.4	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	150	190	ug/Kg
103-33-3	Azobenzene	82.4	U	82.4	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	190	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	150	190	ug/Kg
1912-24-9	Atrazine	110	U	110	150	190	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	300	370	ug/Kg
85-01-8	Phenanthrene	8600	E	100	150	190	ug/Kg
120-12-7	Anthracene	2300		110	150	190	ug/Kg
86-74-8	Carbazole	800		95.2	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	190	ug/Kg
206-44-0	Fluoranthene	8100	E	110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	WC-2	SDG No.:	BP022824
Lab Sample ID:	P1602-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019917.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	220	U	220	300	370	ug/Kg
129-00-0	Pyrene	5700	E	93.8	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	3400	E	94.1	150	190	ug/Kg
218-01-9	Chrysene	3000		97.3	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	3500	E	90	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400		98.8	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	2900		110	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		120	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	490		110	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		100	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	190	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	92.9	U	92.9	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	540		100	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	70.143		18-112		47	SPK: -150
13127-88-3	Phenol-d6	60.546		15-107		40	SPK: -150
4165-60-0	Nitrobenzene-d5	44.619		18-107		45	SPK: -100
321-60-8	2-Fluorobiphenyl	50.102		20-109		50	SPK: -100
118-79-6	2,4,6-Tribromophenol	72.39		10-110		48	SPK: -150
1718-51-0	Terphenyl-d14	37.096		14-112		37	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	92796	7.893				
1146-65-2	Naphthalene-d8	320435	10.693				
15067-26-2	Acenaphthene-d10	182368	14.534				
1517-22-2	Phenanthrene-d10	387455	17.298				
1719-03-5	Chrysene-d12	476407	21.41				
1520-96-3	Perylene-d12	547545	23.833				

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	WC-2	SDG No.:	BP022824
Lab Sample ID:	P1602-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	30.1	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
BP019917.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000581-40-8	Naphthalene, 2,3-dimethyl-	340	J			13.857	
006344-67-8	9H-Fluoren-3-ol	250	J			15.881	
002235-15-6	1(2H)-Acenaphthylenone	220	J			16.275	
001430-97-3	9H-Fluorene, 2-methyl-	390	J			16.598	
000486-25-9	9H-Fluoren-9-one	300	J			16.957	
000132-65-0	Dibenzothiophene	530	J			17.116	
031317-07-4	1-Methyldibenzothiophene	290	J			17.881	
000832-69-9	Phenanthrene, 1-methyl-	1100	J			18.169	
004505-48-0	1H-Indene, 2-phenyl-	1800	J			18.216	
000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,9b	590	J			18.292	
000203-64-5	4H-Cyclopenta[def]phenanthrene	2200	J			18.357	
002531-84-2	Phenanthrene, 2-methyl-	640	J			18.392	
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	640	J			18.657	
000084-65-1	9,10-Anthracenedione	550	J			18.704	
001576-67-6	Phenanthrene, 3,6-dimethyl-	210	J			18.939	
003674-66-6	Phenanthrene, 2,5-dimethyl-	820	J			19.057	
005737-13-3	Cyclopenta(def)phenanthrenone	560	J			19.204	
000192-97-2	Benzo[e]pyrene	680	J			23.28	
000205-82-3	Benzo[j]fluoranthene	2200	J			23.622	
000198-55-0	Perylene	1000	J			23.886	

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	WC-3	SDG No.:	BP022824
Lab Sample ID:	P1602-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019918.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	84.9	U	84.9	300	360	ug/Kg
110-86-1	Pyridine	79.5	U	79.5	140	190	ug/Kg
100-52-7	Benzaldehyde	160	U	160	300	360	ug/Kg
62-53-3	Aniline	130	U	130	140	190	ug/Kg
108-95-2	Phenol	81.7	U	81.7	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	98.6	U	98.6	140	190	ug/Kg
95-57-8	2-Chlorophenol	79.1	U	79.1	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	89.7	U	89.7	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	97.2	U	97.2	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	90.5	U	90.5	140	190	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	300	360	ug/Kg
95-48-7	2-Methylphenol	130	U	130	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	140	190	ug/Kg
98-86-2	Acetophenone	95.2	U	95.2	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	300	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	64.8	U	64.8	87.9	87.9	ug/Kg
67-72-1	Hexachloroethane	80.8	U	80.8	140	190	ug/Kg
98-95-3	Nitrobenzene	82.6	U	82.6	140	190	ug/Kg
78-59-1	Isophorone	74.8	U	74.8	140	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	85.8	U	85.8	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.1	U	85.1	140	190	ug/Kg
65-85-0	Benzoic acid	240	U	240	300	360	ug/Kg
91-20-3	Naphthalene	89.4	U	89.4	140	190	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	92.2	U	92.2	140	190	ug/Kg
105-60-2	Caprolactam	130	U	130	300	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	90.6	U	90.6	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	WC-3	SDG No.:	BP022824
Lab Sample ID:	P1602-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019918.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	230	U	230	300	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	84.7	U	84.7	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	96.5	U	96.5	140	190	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	92.9	U	92.9	140	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	190	ug/Kg
131-11-3	Dimethylphthalate	97.6	U	97.6	140	190	ug/Kg
208-96-8	Acenaphthylene	400		97.1	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	98.8	U	98.8	140	190	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	140	190	ug/Kg
83-32-9	Acenaphthene	88.2	U	88.2	140	190	ug/Kg
Total PAH	Total PAH	6880	U	1572	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	300	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	360	ug/Kg
132-64-9	Dibenzofuran	84.4	U	84.4	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	208.8	U	208.8	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	140	190	ug/Kg
84-66-2	Diethylphthalate	94.3	U	94.3	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	99.3	U	99.3	140	190	ug/Kg
86-73-7	Fluorene	100	J	93.1	140	190	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	96.4	U	96.4	300	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	140	190	ug/Kg
103-33-3	Azobenzene	80.7	U	80.7	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	140	190	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	140	190	ug/Kg
1912-24-9	Atrazine	100	U	100	140	190	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	300	360	ug/Kg
85-01-8	Phenanthrene	930		100	140	190	ug/Kg
120-12-7	Anthracene	170	J	110	140	190	ug/Kg
86-74-8	Carbazole	93.2	U	93.2	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	140	190	ug/Kg
206-44-0	Fluoranthene	910		100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	WC-3	SDG No.:	BP022824
Lab Sample ID:	P1602-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
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
BP019918.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	210	U	210	300	360	ug/Kg
129-00-0	Pyrene	1300		91.9	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	300	360	ug/Kg
56-55-3	Benzo(a)anthracene	560		92.1	140	190	ug/Kg
218-01-9	Chrysene	660		95.3	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	300	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	580		88.2	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	210		96.7	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	470		100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	260		120	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	330		100	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	98.2	U	98.2	140	190	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	91	U	91	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	99.1	U	99.1	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	75.998		18-112		51	SPK: -150
13127-88-3	Phenol-d6	69.401		15-107		46	SPK: -150
4165-60-0	Nitrobenzene-d5	44.767		18-107		45	SPK: -100
321-60-8	2-Fluorobiphenyl	47.375		20-109		47	SPK: -100
118-79-6	2,4,6-Tribromophenol	78.872		10-110		53	SPK: -150
1718-51-0	Terphenyl-d14	49.641		14-112		50	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	100587	7.887				
1146-65-2	Naphthalene-d8	387414	10.693				
15067-26-2	Acenaphthene-d10	268010	14.534				
1517-22-2	Phenanthrene-d10	575791	17.298				
1719-03-5	Chrysene-d12	488829	21.404				
1520-96-3	Perylene-d12	523564	23.827				

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	WC-3	SDG No.:	BP022824
Lab Sample ID:	P1602-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
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
BP019918.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
002131-42-2	Naphthalene, 1,4,6-trimethyl-	120	J			15.151	
031317-07-4	1-Methyldibenzothiophene	160	J			17.88	
002531-84-2	Phenanthrene, 2-methyl-	440	J			18.169	
000832-69-9	Phenanthrene, 1-methyl-	760	J			18.216	
107426-38-0	Naphtho[2,3-b]norbornadiene	560	J			18.351	
000613-12-7	Anthracene, 2-methyl-	350	J			18.392	
000612-94-2	Naphthalene, 2-phenyl-	240	J			18.657	
000084-65-1	9,10-Anthracenedione	280	J			18.704	
002789-88-0	di-p-Tolylacetylene	120	J			18.939	
000781-43-1	9,10-Dimethylanthracene	440	J			19.057	
	unknown19.116	230	J			19.116	
007469-40-1	Naphthalene, 1,2-dihydro-4-phenyl-	120	J			19.151	
005737-13-3	Cyclopenta(def)phenanthrenone	300	J			19.198	
033543-31-6	Fluoranthene, 2-methyl-	190	J			19.986	
002381-21-7	Pyrene, 1-methyl-	130	J			20.122	
000243-17-4	11H-Benzo[b]fluorene	160	J			20.151	
003442-78-2	Pyrene, 2-methyl-	130	J			20.31	
022108-55-0	Anthra(2,3-b)thiophene	150	J			21.051	
027208-37-3	Cyclopenta[cd]pyrene	130	J			21.121	
003351-32-4	2-Methylchrysene	120	J			21.986	

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	WC-3MS	SDG No.:	BP022824
Lab Sample ID:	P1602-07MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019919.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1600		84.7	300	360	ug/Kg
110-86-1	Pyridine	1200		79.4	140	190	ug/Kg
100-52-7	Benzaldehyde	280	J	160	300	360	ug/Kg
62-53-3	Aniline	700		130	140	190	ug/Kg
108-95-2	Phenol	1300		81.6	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1300		98.5	140	190	ug/Kg
95-57-8	2-Chlorophenol	1400		78.9	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		89.6	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		97	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		90.3	140	190	ug/Kg
100-51-6	Benzyl Alcohol	1100		110	300	360	ug/Kg
95-48-7	2-Methylphenol	1100		120	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1200		120	140	190	ug/Kg
98-86-2	Acetophenone	1400		95.1	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	1000		120	300	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1000		64.7	87.7	87.7	ug/Kg
67-72-1	Hexachloroethane	1500		80.7	140	190	ug/Kg
98-95-3	Nitrobenzene	1400		82.4	140	190	ug/Kg
78-59-1	Isophorone	1400		74.7	140	190	ug/Kg
88-75-5	2-Nitrophenol	1500		100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		110	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		120	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		85.6	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1700		85	140	190	ug/Kg
65-85-0	Benzoic acid	1300		230	300	360	ug/Kg
91-20-3	Naphthalene	1500		89.2	140	190	ug/Kg
106-47-8	4-Chloroaniline	370		120	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	1800		92.1	140	190	ug/Kg
105-60-2	Caprolactam	1000		130	300	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1200		90.4	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	1300		100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	WC-3MS	SDG No.:	BP022824
Lab Sample ID:	P1602-07MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019919.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2900		230	300	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		84.5	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		96.4	140	190	ug/Kg
92-52-4	1,1-Biphenyl	1700		100	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	1800		92.8	140	190	ug/Kg
88-74-4	2-Nitroaniline	1400		110	140	190	ug/Kg
131-11-3	Dimethylphthalate	1400		97.5	140	190	ug/Kg
208-96-8	Acenaphthylene	2100		96.9	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		98.7	140	190	ug/Kg
99-09-2	3-Nitroaniline	1000		100	140	190	ug/Kg
83-32-9	Acenaphthene	1500		88	140	190	ug/Kg
Total PAH	Total PAH	31700		1570.7	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	1700		200	300	360	ug/Kg
100-02-7	4-Nitrophenol	2700		120	300	360	ug/Kg
132-64-9	Dibenzofuran	1500		84.3	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2700		208.7	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		110	140	190	ug/Kg
84-66-2	Diethylphthalate	1300		94.2	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		99.1	140	190	ug/Kg
86-73-7	Fluorene	1500		93	140	190	ug/Kg
100-01-6	4-Nitroaniline	1100		110	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1000		96.3	300	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		100	140	190	ug/Kg
103-33-3	Azobenzene	1300		80.6	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		110	140	190	ug/Kg
118-74-1	Hexachlorobenzene	1800		110	140	190	ug/Kg
1912-24-9	Atrazine	1500		100	140	190	ug/Kg
87-86-5	Pentachlorophenol	3100	E	120	300	360	ug/Kg
85-01-8	Phenanthrene	2500		100	140	190	ug/Kg
120-12-7	Anthracene	1800		110	140	190	ug/Kg
86-74-8	Carbazole	1600		93.1	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	1400		110	140	190	ug/Kg
206-44-0	Fluoranthene	2400		100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	WC-3MS	SDG No.:	BP022824
Lab Sample ID:	P1602-07MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019919.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1300		210	300	360	ug/Kg
129-00-0	Pyrene	2400		91.8	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	1200		110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		180	300	360	ug/Kg
56-55-3	Benzo(a)anthracene	2100		92	140	190	ug/Kg
218-01-9	Chrysene	2200		95.2	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		130	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		130	300	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		88	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	1800		96.6	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	2000		100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2000		120	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		110	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2100		100	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2000		98	140	190	ug/Kg
123-91-1	1,4-Dioxane	1500		130	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		90.9	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	1300		98.9	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	71.402		18-112		48	SPK: -150
13127-88-3	Phenol-d6	58.908		15-107		39	SPK: -150
4165-60-0	Nitrobenzene-d5	46.403		18-107		46	SPK: -100
321-60-8	2-Fluorobiphenyl	49.917		20-109		50	SPK: -100
118-79-6	2,4,6-Tribromophenol	66.144		10-110		44	SPK: -150
1718-51-0	Terphenyl-d14	37.066		14-112		37	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	90441	7.893				
1146-65-2	Naphthalene-d8	288580	10.693				
15067-26-2	Acenaphthene-d10	163147	14.534				
1517-22-2	Phenanthrene-d10	303163	17.298				
1719-03-5	Chrysene-d12	342780	21.404				
1520-96-3	Perylene-d12	473841	23.827				



Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	WC-3MS	SDG No.:	BP022824
Lab Sample ID:	P1602-07MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019919.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

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

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	WC-3MSD	SDG No.:	BP022824
Lab Sample ID:	P1602-07MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019920.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1700		84.7	300	360	ug/Kg
110-86-1	Pyridine	1300		79.3	140	190	ug/Kg
100-52-7	Benzaldehyde	290	J	160	300	360	ug/Kg
62-53-3	Aniline	740		130	140	190	ug/Kg
108-95-2	Phenol	1400		81.5	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		98.4	140	190	ug/Kg
95-57-8	2-Chlorophenol	1500		78.9	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		89.5	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	1700		97	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	1700		90.3	140	190	ug/Kg
100-51-6	Benzyl Alcohol	1200		110	300	360	ug/Kg
95-48-7	2-Methylphenol	1200		120	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		120	140	190	ug/Kg
98-86-2	Acetophenone	1500		95	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	1100		120	300	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		64.6	87.6	87.6	ug/Kg
67-72-1	Hexachloroethane	1600		80.6	140	190	ug/Kg
98-95-3	Nitrobenzene	1500		82.4	140	190	ug/Kg
78-59-1	Isophorone	1400		74.6	140	190	ug/Kg
88-75-5	2-Nitrophenol	1600		100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		110	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		120	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		85.6	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1800		84.9	140	190	ug/Kg
65-85-0	Benzoic acid	1300		230	300	360	ug/Kg
91-20-3	Naphthalene	1600		89.2	140	190	ug/Kg
106-47-8	4-Chloroaniline	390		120	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	1900		92	140	190	ug/Kg
105-60-2	Caprolactam	1100		130	300	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1200		90.4	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	1400		100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	WC-3MSD	SDG No.:	BP022824
Lab Sample ID:	P1602-07MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
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
BP019920.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2800		230	300	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		84.5	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		96.3	140	190	ug/Kg
92-52-4	1,1-Biphenyl	1800		100	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	1900		92.7	140	190	ug/Kg
88-74-4	2-Nitroaniline	1500		110	140	190	ug/Kg
131-11-3	Dimethylphthalate	1500		97.4	140	190	ug/Kg
208-96-8	Acenaphthylene	2200		96.9	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		98.6	140	190	ug/Kg
99-09-2	3-Nitroaniline	1100		100	140	190	ug/Kg
83-32-9	Acenaphthene	1600		88	140	190	ug/Kg
Total PAH	Total PAH	33400		1570.2	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	1700		200	300	360	ug/Kg
100-02-7	4-Nitrophenol	2800		120	300	360	ug/Kg
132-64-9	Dibenzofuran	1600		84.3	140	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		110	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2700		208.6	140	380	ug/Kg
84-66-2	Diethylphthalate	1400		94.1	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		99	140	190	ug/Kg
86-73-7	Fluorene	1600		92.9	140	190	ug/Kg
100-01-6	4-Nitroaniline	1200		110	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		96.2	300	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		100	140	190	ug/Kg
103-33-3	Azobenzene	1400		80.5	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		110	140	190	ug/Kg
118-74-1	Hexachlorobenzene	1900		110	140	190	ug/Kg
1912-24-9	Atrazine	1600		100	140	190	ug/Kg
87-86-5	Pentachlorophenol	3200	E	120	300	360	ug/Kg
85-01-8	Phenanthrene	2600		100	140	190	ug/Kg
120-12-7	Anthracene	1900		110	140	190	ug/Kg
86-74-8	Carbazole	1600		93	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	1500		110	140	190	ug/Kg
206-44-0	Fluoranthene	2500		100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	WC-3MSD	SDG No.:	BP022824
Lab Sample ID:	P1602-07MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019920.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1400		210	300	360	ug/Kg
129-00-0	Pyrene	2600		91.7	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	1300		110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		180	300	360	ug/Kg
56-55-3	Benzo(a)anthracene	2200		91.9	140	190	ug/Kg
218-01-9	Chrysene	2300		95.1	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		130	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		130	300	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	2100		88	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	1900		96.5	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	2100		100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2100		120	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		110	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2200		100	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2100		97.9	140	190	ug/Kg
123-91-1	1,4-Dioxane	1600		130	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		90.8	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	1400		98.8	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	77.3		18-112		52	SPK: -150
13127-88-3	Phenol-d6	64.462		15-107		43	SPK: -150
4165-60-0	Nitrobenzene-d5	47.363		18-107		47	SPK: -100
321-60-8	2-Fluorobiphenyl	53.31		20-109		53	SPK: -100
118-79-6	2,4,6-Tribromophenol	67.822		10-110		45	SPK: -150
1718-51-0	Terphenyl-d14	38.363		14-112		38	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	91135	7.893				
1146-65-2	Naphthalene-d8	308707	10.693				
15067-26-2	Acenaphthene-d10	170139	14.534				
1517-22-2	Phenanthrene-d10	307207	17.298				
1719-03-5	Chrysene-d12	344293	21.404				
1520-96-3	Perylene-d12	467218	23.827				



Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	WC-3MSD	SDG No.:	BP022824
Lab Sample ID:	P1602-07MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019920.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

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

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	WC-4	SDG No.:	BP022824
Lab Sample ID:	P1602-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019921.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	87.3	U	87.3	310	370	ug/Kg
110-86-1	Pyridine	81.8	U	81.8	150	190	ug/Kg
100-52-7	Benzaldehyde	170	U	170	310	370	ug/Kg
62-53-3	Aniline	130	U	130	150	190	ug/Kg
108-95-2	Phenol	84.1	U	84.1	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	190	ug/Kg
95-57-8	2-Chlorophenol	81.3	U	81.3	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	92.3	U	92.3	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	93.1	U	93.1	150	190	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	310	370	ug/Kg
95-48-7	2-Methylphenol	130	U	130	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	190	ug/Kg
98-86-2	Acetophenone	97.9	U	97.9	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	310	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	66.7	U	66.7	90.4	90.4	ug/Kg
67-72-1	Hexachloroethane	83.1	U	83.1	150	190	ug/Kg
98-95-3	Nitrobenzene	85	U	85	150	190	ug/Kg
78-59-1	Isophorone	76.9	U	76.9	150	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	88.2	U	88.2	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	87.6	U	87.6	150	190	ug/Kg
65-85-0	Benzoic acid	240	U	240	310	370	ug/Kg
91-20-3	Naphthalene	93.7	J	92	150	190	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	94.9	U	94.9	150	190	ug/Kg
105-60-2	Caprolactam	130	U	130	310	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	93.2	U	93.2	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	WC-4	SDG No.:	BP022824
Lab Sample ID:	P1602-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019921.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	240	U	240	310	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	87.1	U	87.1	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	99.3	U	99.3	150	190	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	95.6	U	95.6	150	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	190	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	150	190	ug/Kg
208-96-8	Acenaphthylene	1100		99.9	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	150	190	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	190	ug/Kg
83-32-9	Acenaphthene	140	J	90.7	150	190	ug/Kg
Total PAH	Total PAH	27183.7		1626.1	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	310	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	370	ug/Kg
132-64-9	Dibenzofuran	86.9	U	86.9	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	150	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	150	190	ug/Kg
84-66-2	Diethylphthalate	97	U	97	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	190	ug/Kg
86-73-7	Fluorene	300		95.8	150	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	99.2	U	99.2	310	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	190	ug/Kg
103-33-3	Azobenzene	83	U	83	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	190	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	150	190	ug/Kg
1912-24-9	Atrazine	110	U	110	150	190	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	310	370	ug/Kg
85-01-8	Phenanthrene	3000		100	150	190	ug/Kg
120-12-7	Anthracene	1100		120	150	190	ug/Kg
86-74-8	Carbazole	200		95.9	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	190	ug/Kg
206-44-0	Fluoranthene	4000	E	110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	WC-4	SDG No.:	BP022824
Lab Sample ID:	P1602-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019921.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	220	U	220	310	370	ug/Kg
129-00-0	Pyrene	4400	E	94.6	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	310	370	ug/Kg
56-55-3	Benzo(a)anthracene	2200		94.8	150	190	ug/Kg
218-01-9	Chrysene	2300		98.1	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	310	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	2600		90.7	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	860		99.5	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	2100		110	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1200		120	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	390		110	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		100	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	190	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	93.7	U	93.7	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	140	J	100	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	74.962		18-112		50	SPK: -150
13127-88-3	Phenol-d6	66.672		15-107		44	SPK: -150
4165-60-0	Nitrobenzene-d5	46.212		18-107		46	SPK: -100
321-60-8	2-Fluorobiphenyl	51.141		20-109		51	SPK: -100
118-79-6	2,4,6-Tribromophenol	68.058		10-110		45	SPK: -150
1718-51-0	Terphenyl-d14	39.361		14-112		39	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	105985	7.887				
1146-65-2	Naphthalene-d8	386375	10.693				
15067-26-2	Acenaphthene-d10	232441	14.534				
1517-22-2	Phenanthrene-d10	433964	17.298				
1719-03-5	Chrysene-d12	458597	21.41				
1520-96-3	Perylene-d12	543656	23.839				

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	WC-4	SDG No.:	BP022824
Lab Sample ID:	P1602-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019921.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000132-65-0	Dibenzothiophene	330	J			17.116	
1000383-55-1	2-Methyldibenzothiophene	430	J			17.881	
031317-07-4	1-Methyldibenzothiophene	280	J			18.022	
000610-48-0	Anthracene, 1-methyl-	1100	J			18.169	
000832-69-9	Phenanthrene, 1-methyl-	1600	J			18.216	
002531-84-2	Phenanthrene, 2-methyl-	490	J			18.298	
018791-75-8	4-Bromothiophene-2-aldehyde	1800	J			18.357	
000832-64-4	Phenanthrene, 4-methyl-	750	J			18.392	
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	500	J			18.657	
000084-65-1	9,10-Anthracenedione	760	J			18.704	
003674-65-5	Phenanthrene, 2,3-dimethyl-	290	J			18.892	
001576-67-6	Phenanthrene, 3,6-dimethyl-	380	J			18.939	
003674-66-6	Phenanthrene, 2,5-dimethyl-	320	J			18.981	
000781-43-1	9,10-Dimethylanthracene	1300	J			19.057	
001576-69-8	Phenanthrene, 2,7-dimethyl-	710	J			19.116	
005737-13-3	Cyclopenta(def)phenanthrenone	850	J			19.204	
003697-24-3	Chrysene, 5-methyl-	300	J			21.992	
000192-97-2	Benzo[e]pyrene	580	J			23.286	
000198-55-0	Perylene	1800	J			23.627	
000205-82-3	Benzo[j]fluoranthene	690	J			23.892	

Report of Analysis

Client:		Date Collected:	2/20/2024 12:00:00 AM
Project:		Date Received:	2/20/2024 12:00:00 AM
Client Sample ID:	3	SDG No.:	BP022824
Lab Sample ID:	P1537-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.6
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019922.D	1	2/21/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159185

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	89.3	U	89.3	310	380	ug/Kg
110-86-1	Pyridine	83.6	U	83.6	150	200	ug/Kg
100-52-7	Benzaldehyde	170	U	170	310	380	ug/Kg
62-53-3	Aniline	140	U	140	150	200	ug/Kg
108-95-2	Phenol	85.9	U	85.9	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	200	ug/Kg
95-57-8	2-Chlorophenol	83.2	U	83.2	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	94.4	U	94.4	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	95.2	U	95.2	150	200	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	310	380	ug/Kg
95-48-7	2-Methylphenol	130	U	130	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	68.2	U	68.2	92.4	92.4	ug/Kg
67-72-1	Hexachloroethane	85	U	85	150	200	ug/Kg
98-95-3	Nitrobenzene	86.9	U	86.9	150	200	ug/Kg
78-59-1	Isophorone	78.7	U	78.7	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	90.2	U	90.2	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	89.5	U	89.5	150	200	ug/Kg
65-85-0	Benzoic acid	250	U	250	310	380	ug/Kg
91-20-3	Naphthalene	94	U	94	150	200	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	97	U	97	150	200	ug/Kg
105-60-2	Caprolactam	140	U	140	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	95.3	U	95.3	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	2/20/2024 12:00:00 AM
Project:		Date Received:	2/20/2024 12:00:00 AM
Client Sample ID:	3	SDG No.:	BP022824
Lab Sample ID:	P1537-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.6
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019922.D	1	2/21/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159185

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	240	U	240	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	89.1	U	89.1	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	150	200	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	97.7	U	97.7	150	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	200	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	150	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	200	ug/Kg
83-32-9	Acenaphthene	92.8	U	92.8	150	200	ug/Kg
Total PAH	Total PAH	5290	U	1661.2	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	310	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	380	ug/Kg
132-64-9	Dibenzofuran	88.8	U	88.8	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	150	200	ug/Kg
84-66-2	Diethylphthalate	99.2	U	99.2	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	200	ug/Kg
86-73-7	Fluorene	98	U	98	150	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	200	ug/Kg
103-33-3	Azobenzene	84.9	U	84.9	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	200	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	310	380	ug/Kg
85-01-8	Phenanthrene	680		110	150	200	ug/Kg
120-12-7	Anthracene	130	J	120	150	200	ug/Kg
86-74-8	Carbazole	98.1	U	98.1	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	200	ug/Kg
206-44-0	Fluoranthene	1000		110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	2/20/2024 12:00:00 AM
Project:		Date Received:	2/20/2024 12:00:00 AM
Client Sample ID:	3	SDG No.:	BP022824
Lab Sample ID:	P1537-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.6
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
BP019922.D	1	2/21/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159185

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benzidine	220	U	220	310	380	ug/Kg
129-00-0	Pyrene	810		96.7	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	430		96.9	150	200	ug/Kg
218-01-9	Chrysene	480		100	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	610		92.8	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	170	J	100	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	410		110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	250		120	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	320		110	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	200	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	95.8	U	95.8	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	98.436		18-112		66	SPK: -150
13127-88-3	Phenol-d6	85.435		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	61.164		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	75.069		20-109		75	SPK: -100
118-79-6	2,4,6-Tribromophenol	89.272		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	56.805		14-112		57	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	121248	7.893				
1146-65-2	Naphthalene-d8	429664	10.693				
15067-26-2	Acenaphthene-d10	243786	14.534				
1517-22-2	Phenanthrene-d10	470125	17.298				
1719-03-5	Chrysene-d12	506025	21.404				
1520-96-3	Perylene-d12	588489	23.833				

Report of Analysis

Client:		Date Collected:	2/20/2024 12:00:00 AM
Project:		Date Received:	2/20/2024 12:00:00 AM
Client Sample ID:	3	SDG No.:	BP022824
Lab Sample ID:	P1537-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.6
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
BP019922.D	1	2/21/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159185

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
001569-50-2	3-Penten-2-ol	1500	J			3.123	
	unknown3.864	93.2	J			3.864	
000556-82-1	Prenol	140	J			4.064	
000108-11-2	2-Pentanol, 4-methyl-	230	J			4.634	
1000325-64-0	Carbonic acid, 3-pentyl propyl est	140	J			4.687	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	680	A			5.017	
000610-48-0	Anthracene, 1-methyl-	82.8	J			18.169	
000057-10-3	n-Hexadecanoic acid	530	J			18.198	
000203-64-5	4H-Cyclopenta[def]phenanthrene	190	J			18.357	
000084-65-1	9,10-Anthracenedione	120	J			18.704	
000781-43-1	9,10-Dimethylanthracene	83.2	J			19.057	
000057-11-4	Octadecanoic acid	96.3	J			19.439	
003442-78-2	Pyrene, 2-methyl-	83.6	J			20.151	
000295-65-8	Cyclohexadecane	150	J			21.122	

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	TR-05-022724	SDG No.:	BP022824
Lab Sample ID:	P1611-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.6
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019923.D	2	2/28/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159345

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	100	U	100	350	430	ug/Kg
110-86-1	Pyridine	93.9	U	93.9	170	220	ug/Kg
100-52-7	Benzaldehyde	190	U	190	350	430	ug/Kg
62-53-3	Aniline	150	U	150	170	220	ug/Kg
108-95-2	Phenol	96.5	U	96.5	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	170	220	ug/Kg
95-57-8	2-Chlorophenol	93.4	U	93.4	170	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	170	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	170	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	170	220	ug/Kg
100-51-6	Benzyl Alcohol	130	U	130	350	430	ug/Kg
95-48-7	2-Methylphenol	150	U	150	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	140	170	220	ug/Kg
98-86-2	Acetophenone	110	U	110	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	140	U	140	350	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	76.5	U	76.5	100	100	ug/Kg
67-72-1	Hexachloroethane	95.5	U	95.5	170	220	ug/Kg
98-95-3	Nitrobenzene	97.6	U	97.6	170	220	ug/Kg
78-59-1	Isophorone	88.4	U	88.4	170	220	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	150	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	100	170	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	100	U	100	170	220	ug/Kg
65-85-0	Benzoic acid	280	U	280	350	430	ug/Kg
91-20-3	Naphthalene	110	U	110	170	220	ug/Kg
106-47-8	4-Chloroaniline	140	U	140	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	170	220	ug/Kg
105-60-2	Caprolactam	150	U	150	350	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	120	U	120	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	TR-05-022724	SDG No.:	BP022824
Lab Sample ID:	P1611-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.6
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019923.D	2	2/28/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159345

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	270	U	270	350	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	100	U	100	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	170	220	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	170	220	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	170	220	ug/Kg
131-11-3	Dimethylphthalate	120	U	120	170	220	ug/Kg
208-96-8	Acenaphthylene	110	U	110	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	U	120	170	220	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	170	220	ug/Kg
83-32-9	Acenaphthene	100	U	100	170	220	ug/Kg
Total PAH	Total PAH	1850	U	1850	170	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	350	430	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	350	430	ug/Kg
132-64-9	Dibenzofuran	99.8	U	99.8	170	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	250	U	250	170	440	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	130	170	220	ug/Kg
84-66-2	Diethylphthalate	110	U	110	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	170	220	ug/Kg
86-73-7	Fluorene	110	U	110	170	220	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	350	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	120	U	120	170	220	ug/Kg
103-33-3	Azobenzene	95.4	U	95.4	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	130	U	130	170	220	ug/Kg
118-74-1	Hexachlorobenzene	130	U	130	170	220	ug/Kg
1912-24-9	Atrazine	120	U	120	170	220	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	350	430	ug/Kg
85-01-8	Phenanthrene	180	J	120	170	220	ug/Kg
120-12-7	Anthracene	130	U	130	170	220	ug/Kg
86-74-8	Carbazole	110	U	110	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	170	220	ug/Kg
206-44-0	Fluoranthene	220		120	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	TR-05-022724	SDG No.:	BP022824
Lab Sample ID:	P1611-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.6
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019923.D	2	2/28/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159345

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	250	U	250	350	430	ug/Kg
129-00-0	Pyrene	240		110	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	210	U	210	350	430	ug/Kg
56-55-3	Benzo(a)anthracene	150	J	110	170	220	ug/Kg
218-01-9	Chrysene	130	J	110	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	150	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	160	U	160	350	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	170	J	100	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	130	J	120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	140	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	U	130	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	120	U	120	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	170	220	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	U	110	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	69.906		18-112		47	SPK: -150
13127-88-3	Phenol-d6	62.844		15-107		42	SPK: -150
4165-60-0	Nitrobenzene-d5	44.748		18-107		45	SPK: -100
321-60-8	2-Fluorobiphenyl	51.984		20-109		52	SPK: -100
118-79-6	2,4,6-Tribromophenol	57.806		10-110		39	SPK: -150
1718-51-0	Terphenyl-d14	44.62		14-112		45	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	131820	7.893				
1146-65-2	Naphthalene-d8	467191	10.693				
15067-26-2	Acenaphthene-d10	263444	14.54				
1517-22-2	Phenanthrene-d10	482401	17.304				
1719-03-5	Chrysene-d12	455925	21.404				
1520-96-3	Perylene-d12	476336	23.833				

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	TR-05-022724	SDG No.:	BP022824
Lab Sample ID:	P1611-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.6
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019923.D	2	2/28/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159345

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
002958-76-1	Naphthalene, decahydro-2-methyl-	430	J			9.593	
000824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	480	J			10.087	
017301-23-4	Undecane, 2,6-dimethyl-	440	J			10.846	
006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethy	580	J			11.605	
061141-72-8	Dodecane, 4,6-dimethyl-	470	J			11.71	
002809-64-5	Naphthalene, 1,2,3,4-tetrahydro-5-	700	J			11.887	
000629-50-5	Tridecane	1900	J			12.116	
004175-54-6	Naphthalene, 1,2,3,4-tetrahydro-1,	600	J			12.61	
000629-92-5	Nonadecane	1100	J			13.357	
007098-21-7	Tritetracontane	480	J			14.016	
000544-76-3	Hexadecane	1200	J			14.44	
001560-97-0	Dodecane, 2-methyl-	1100	J			15.393	
066563-30-2	Bacchotricuneatin c	460	J			15.804	
000629-78-7	Heptadecane	2100	J			16.263	
019218-94-1	Tetradecane, 1-iodo-	1200	J			17.063	
054833-48-6	Heptadecane, 2,6,10,15-tetramethyl	700	J			17.116	
000646-31-1	Tetracosane	1000	J			17.81	
000544-77-4	Hexadecane, 1-iodo-	850	J			18.481	
002566-97-4	9,12-Octadecadienoic acid, methyl	1600	J			19.092	
057396-98-2	7-Octadecenoic acid, methyl ester	560	J			19.122	

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	OK-02-022724	SDG No.:	BP022824
Lab Sample ID:	P1612-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
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
BP019924.D	5	2/28/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159345

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	250	U	250	890	1100	ug/Kg
110-86-1	Pyridine	240	U	240	430	560	ug/Kg
100-52-7	Benzaldehyde	490	U	490	890	1100	ug/Kg
62-53-3	Aniline	380	U	380	430	560	ug/Kg
108-95-2	Phenol	240	U	240	430	560	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	300	U	300	430	560	ug/Kg
95-57-8	2-Chlorophenol	240	U	240	430	560	ug/Kg
95-50-1	1,2-Dichlorobenzene	270	U	270	430	560	ug/Kg
541-73-1	1,3-Dichlorobenzene	290	U	290	430	560	ug/Kg
106-46-7	1,4-Dichlorobenzene	270	U	270	430	560	ug/Kg
100-51-6	Benzyl Alcohol	320	U	320	890	1100	ug/Kg
95-48-7	2-Methylphenol	370	U	370	430	560	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	350	U	350	430	560	ug/Kg
98-86-2	Acetophenone	290	U	290	430	560	ug/Kg
65794-96-9	3+4-Methylphenols	360	U	360	890	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	190	U	190	260	260	ug/Kg
67-72-1	Hexachloroethane	240	U	240	430	560	ug/Kg
98-95-3	Nitrobenzene	250	U	250	430	560	ug/Kg
78-59-1	Isophorone	220	U	220	430	560	ug/Kg
88-75-5	2-Nitrophenol	310	U	310	430	560	ug/Kg
105-67-9	2,4-Dimethylphenol	330	U	330	430	560	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	370	U	370	430	560	ug/Kg
120-83-2	2,4-Dichlorophenol	260	U	260	430	560	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	250	U	250	430	560	ug/Kg
65-85-0	Benzoic acid	700	U	700	890	1100	ug/Kg
91-20-3	Naphthalene	270	U	270	430	560	ug/Kg
106-47-8	4-Chloroaniline	350	U	350	430	560	ug/Kg
87-68-3	Hexachlorobutadiene	280	U	280	430	560	ug/Kg
105-60-2	Caprolactam	380	U	380	890	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	270	U	270	430	560	ug/Kg
91-57-6	2-Methylnaphthalene	310	U	310	430	560	ug/Kg

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	OK-02-022724	SDG No.:	BP022824
Lab Sample ID:	P1612-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
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
BP019924.D	5	2/28/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159345

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	690	U	690	890	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	250	U	250	430	560	ug/Kg
95-95-4	2,4,5-Trichlorophenol	290	U	290	430	560	ug/Kg
92-52-4	1,1-Biphenyl	300	U	300	430	560	ug/Kg
91-58-7	2-Chloronaphthalene	280	U	280	430	560	ug/Kg
88-74-4	2-Nitroaniline	330	U	330	430	560	ug/Kg
131-11-3	Dimethylphthalate	290	U	290	430	560	ug/Kg
208-96-8	Acenaphthylene	290	U	290	430	560	ug/Kg
606-20-2	2,6-Dinitrotoluene	300	U	300	430	560	ug/Kg
99-09-2	3-Nitroaniline	310	U	310	430	560	ug/Kg
83-32-9	Acenaphthene	260	U	260	430	560	ug/Kg
Total PAH	Total PAH	4730	U	4730	430	8960	ug/Kg
51-28-5	2,4-Dinitrophenol	590	U	590	890	1100	ug/Kg
100-02-7	4-Nitrophenol	370	U	370	890	1100	ug/Kg
132-64-9	Dibenzofuran	250	U	250	430	560	ug/Kg
121-14-2	2,4-Dinitrotoluene	330	U	330	430	560	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	630	U	630	430	1120	ug/Kg
84-66-2	Diethylphthalate	280	U	280	430	560	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	300	U	300	430	560	ug/Kg
86-73-7	Fluorene	280	U	280	430	560	ug/Kg
100-01-6	4-Nitroaniline	340	U	340	430	560	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	290	U	290	890	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	310	U	310	430	560	ug/Kg
103-33-3	Azobenzene	240	U	240	430	560	ug/Kg
101-55-3	4-Bromophenyl-phenylether	320	U	320	430	560	ug/Kg
118-74-1	Hexachlorobenzene	320	U	320	430	560	ug/Kg
1912-24-9	Atrazine	310	U	310	430	560	ug/Kg
87-86-5	Pentachlorophenol	360	U	360	890	1100	ug/Kg
85-01-8	Phenanthrene	300	J	300	430	560	ug/Kg
120-12-7	Anthracene	340	U	340	430	560	ug/Kg
86-74-8	Carbazole	280	U	280	430	560	ug/Kg
84-74-2	Di-n-butylphthalate	340	U	340	430	560	ug/Kg
206-44-0	Fluoranthene	450	J	310	430	560	ug/Kg

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	OK-02-022724	SDG No.:	BP022824
Lab Sample ID:	P1612-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
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
BP019924.D	5	2/28/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159345

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	630	U	630	890	1100	ug/Kg
129-00-0	Pyrene	560		280	430	560	ug/Kg
85-68-7	Butylbenzylphthalate	340	U	340	430	560	ug/Kg
91-94-1	3,3-Dichlorobenzidine	530	U	530	890	1100	ug/Kg
56-55-3	Benzo(a)anthracene	280	U	280	430	560	ug/Kg
218-01-9	Chrysene	340	J	290	430	560	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	380	U	380	430	560	ug/Kg
117-84-0	Di-n-octyl phthalate	400	U	400	890	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	350	J	260	430	560	ug/Kg
207-08-9	Benzo(k)fluoranthene	290	U	290	430	560	ug/Kg
50-32-8	Benzo(a)pyrene	310	U	310	430	560	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	350	U	350	430	560	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	320	U	320	430	560	ug/Kg
191-24-2	Benzo(g,h,i)perylene	300	U	300	430	560	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	290	U	290	430	560	ug/Kg
123-91-1	1,4-Dioxane	380	U	380	430	560	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	270	U	270	430	560	ug/Kg
90-12-0	1-Methylnaphthalene	300	U	300	560	560	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	74.52		18-112		50	SPK: -150
13127-88-3	Phenol-d6	70.22		15-107		47	SPK: -150
4165-60-0	Nitrobenzene-d5	44.51		18-107		45	SPK: -100
321-60-8	2-Fluorobiphenyl	51.895		20-109		52	SPK: -100
118-79-6	2,4,6-Tribromophenol	74.91		10-110		50	SPK: -150
1718-51-0	Terphenyl-d14	57.89		14-112		58	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	91493	7.893				
1146-65-2	Naphthalene-d8	359088	10.693				
15067-26-2	Acenaphthene-d10	248375	14.54				
1517-22-2	Phenanthrene-d10	507276	17.304				
1719-03-5	Chrysene-d12	372050	21.404				
1520-96-3	Perylene-d12	411896	23.839				



Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	OK-02-022724	SDG No.:	BP022824
Lab Sample ID:	P1612-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019924.D	5	2/28/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159345

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
014905-56-7	Tetradecane, 2,6,10-trimethyl-	330	J			16.263	
000057-10-3	n-Hexadecanoic acid	380	J			18.198	
000646-31-1	Tetracosane	250	J			19.092	

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	SU-02-02272024	SDG No.:	BP022824
Lab Sample ID:	P1610-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BP019925.D	1	2/28/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159345

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	46.4	U	46.4	160	200	ug/Kg
110-86-1	Pyridine	43.4	U	43.4	78	100	ug/Kg
100-52-7	Benzaldehyde	88.7	U	88.7	160	200	ug/Kg
62-53-3	Aniline	70.2	U	70.2	78	100	ug/Kg
108-95-2	Phenol	44.6	U	44.6	78	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.8	U	53.8	78	100	ug/Kg
95-57-8	2-Chlorophenol	43.2	U	43.2	78	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	49	U	49	78	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	53.1	U	53.1	78	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	49.4	U	49.4	78	100	ug/Kg
100-51-6	Benzyl Alcohol	59.2	U	59.2	160	200	ug/Kg
95-48-7	2-Methylphenol	68.4	U	68.4	78	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	63	U	63	78	100	ug/Kg
98-86-2	Acetophenone	52	U	52	78	100	ug/Kg
65794-96-9	3+4-Methylphenols	64.8	U	64.8	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	35.4	U	35.4	48	48	ug/Kg
67-72-1	Hexachloroethane	44.1	U	44.1	78	100	ug/Kg
98-95-3	Nitrobenzene	45.1	U	45.1	78	100	ug/Kg
78-59-1	Isophorone	40.8	U	40.8	78	100	ug/Kg
88-75-5	2-Nitrophenol	57	U	57	78	100	ug/Kg
105-67-9	2,4-Dimethylphenol	59.7	U	59.7	78	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	67.2	U	67.2	78	100	ug/Kg
120-83-2	2,4-Dichlorophenol	46.8	U	46.8	78	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	46.5	U	46.5	78	100	ug/Kg
65-85-0	Benzoic acid	130	U	130	160	200	ug/Kg
91-20-3	Naphthalene	48.8	U	48.8	78	100	ug/Kg
106-47-8	4-Chloroaniline	63	U	63	78	100	ug/Kg
87-68-3	Hexachlorobutadiene	50.4	U	50.4	78	100	ug/Kg
105-60-2	Caprolactam	70.2	U	70.2	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.5	U	49.5	78	100	ug/Kg
91-57-6	2-Methylnaphthalene	56.9	U	56.9	78	100	ug/Kg

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	SU-02-02272024	SDG No.:	BP022824
Lab Sample ID:	P1610-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BP019925.D	1	2/28/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159345

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	130	U	130	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.2	U	46.2	78	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	52.7	U	52.7	78	100	ug/Kg
92-52-4	1,1-Biphenyl	54.7	U	54.7	78	100	ug/Kg
91-58-7	2-Chloronaphthalene	50.7	U	50.7	78	100	ug/Kg
88-74-4	2-Nitroaniline	59.5	U	59.5	78	100	ug/Kg
131-11-3	Dimethylphthalate	53.3	U	53.3	78	100	ug/Kg
208-96-8	Acenaphthylene	53	U	53	78	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	54	U	54	78	100	ug/Kg
99-09-2	3-Nitroaniline	56	U	56	78	100	ug/Kg
83-32-9	Acenaphthene	48.2	U	48.2	78	100	ug/Kg
Total PAH	Total PAH	861.8	U	861.8	78	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	160	200	ug/Kg
100-02-7	4-Nitrophenol	68.4	U	68.4	160	200	ug/Kg
132-64-9	Dibenzofuran	46.1	U	46.1	78	100	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.9	U	59.9	78	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	13.9	U	113.9	78	200	ug/Kg
84-66-2	Diethylphthalate	51.5	U	51.5	78	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.2	U	54.2	78	100	ug/Kg
86-73-7	Fluorene	50.8	U	50.8	78	100	ug/Kg
100-01-6	4-Nitroaniline	62.4	U	62.4	78	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	52.6	U	52.6	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.9	U	55.9	78	100	ug/Kg
103-33-3	Azobenzene	44.1	U	44.1	78	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	58.4	U	58.4	78	100	ug/Kg
118-74-1	Hexachlorobenzene	59.2	U	59.2	78	100	ug/Kg
1912-24-9	Atrazine	57.2	U	57.2	78	100	ug/Kg
87-86-5	Pentachlorophenol	66.6	U	66.6	160	200	ug/Kg
85-01-8	Phenanthrene	55.6	U	55.6	78	100	ug/Kg
120-12-7	Anthracene	61.2	U	61.2	78	100	ug/Kg
86-74-8	Carbazole	50.9	U	50.9	78	100	ug/Kg
84-74-2	Di-n-butylphthalate	62.4	U	62.4	78	100	ug/Kg
206-44-0	Fluoranthene	56.6	U	56.6	78	100	ug/Kg

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	SU-02-02272024	SDG No.:	BP022824
Lab Sample ID:	P1610-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BP019925.D	1	2/28/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159345

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	120	U	120	160	200	ug/Kg
129-00-0	Pyrene	50.2	U	50.2	78	100	ug/Kg
85-68-7	Butylbenzylphthalate	61.8	U	61.8	78	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	96.5	U	96.5	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	50.3	U	50.3	78	100	ug/Kg
218-01-9	Chrysene	52	U	52	78	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	69	U	69	78	100	ug/Kg
117-84-0	Di-n-octyl phthalate	73.8	U	73.8	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.2	U	48.2	78	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	52.8	U	52.8	78	100	ug/Kg
50-32-8	Benzo(a)pyrene	56.5	U	56.5	78	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	64.2	U	64.2	78	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	57.9	U	57.9	78	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	55.5	U	55.5	78	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	53.6	U	53.6	78	100	ug/Kg
123-91-1	1,4-Dioxane	70.2	U	70.2	78	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.7	U	49.7	78	100	ug/Kg
90-12-0	1-Methylnaphthalene	54.1	U	54.1	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	32.405		18-112		22	SPK: -150
13127-88-3	Phenol-d6	32.027		15-107		21	SPK: -150
4165-60-0	Nitrobenzene-d5	21.097		18-107		21	SPK: -100
321-60-8	2-Fluorobiphenyl	26.36		20-109		26	SPK: -100
118-79-6	2,4,6-Tribromophenol	34.389		10-110		23	SPK: -150
1718-51-0	Terphenyl-d14	28.207		14-112		28	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	117019	7.893				
1146-65-2	Naphthalene-d8	455574	10.698				
15067-26-2	Acenaphthene-d10	312598	14.539				
1517-22-2	Phenanthrene-d10	605719	17.304				
1719-03-5	Chrysene-d12	432974	21.41				
1520-96-3	Perylene-d12	497470	23.845				



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

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	SU-02-02272024	SDG No.:	BP022824
Lab Sample ID:	P1610-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BP019925.D	1	2/28/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159345

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	68.6	J			18.198	
000593-49-7	Heptacosane	48.4	J			19.092	
035599-77-0	Tridecane, 1-iodo-	77	J			19.663	
000629-94-7	Heneicosane	44.6	J			20.186	

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	SU-02-02272024MS	SDG No.:	BP022824
Lab Sample ID:	P1610-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BP019926.D	1	2/28/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159345

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	720		46.3	160	200	ug/Kg
110-86-1	Pyridine	530		43.4	77.9	100	ug/Kg
100-52-7	Benzaldehyde	140	J	88.7	160	200	ug/Kg
62-53-3	Aniline	460		70.1	77.9	100	ug/Kg
108-95-2	Phenol	780		44.6	77.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	700		53.8	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	830		43.1	77.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	820		49	77.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	840		53	77.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	850		49.4	77.9	100	ug/Kg
100-51-6	Benzyl Alcohol	700		59.2	160	200	ug/Kg
95-48-7	2-Methylphenol	700		68.3	77.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	660		62.9	77.9	100	ug/Kg
98-86-2	Acetophenone	720		51.9	77.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	660		64.7	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	630		35.4	47.9	47.9	ug/Kg
67-72-1	Hexachloroethane	540		44.1	77.9	100	ug/Kg
98-95-3	Nitrobenzene	720		45.1	77.9	100	ug/Kg
78-59-1	Isophorone	720		40.8	77.9	100	ug/Kg
88-75-5	2-Nitrophenol	690		57	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	680		59.7	77.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	720		67.1	77.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	870		46.8	77.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	900		46.4	77.9	100	ug/Kg
65-85-0	Benzoic acid	770		130	160	200	ug/Kg
91-20-3	Naphthalene	820		48.8	77.9	100	ug/Kg
106-47-8	4-Chloroaniline	450		62.9	77.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	880		50.3	77.9	100	ug/Kg
105-60-2	Caprolactam	680		70.1	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	760		49.4	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	760		56.9	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	SU-02-02272024MS	SDG No.:	BP022824
Lab Sample ID:	P1610-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BP019926.D	1	2/28/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159345

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	130	U	130	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	920		46.2	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	830		52.7	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	880		54.7	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	920		50.7	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	830		59.5	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	760		53.3	77.9	100	ug/Kg
208-96-8	Acenaphthylene	870		53	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	730		53.9	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	730		56	77.9	100	ug/Kg
83-32-9	Acenaphthene	820		48.1	77.9	100	ug/Kg
Total PAH	Total PAH	13390		861	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	130	J	110	160	200	ug/Kg
100-02-7	4-Nitrophenol	1500		68.3	160	200	ug/Kg
132-64-9	Dibenzofuran	830		46.1	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	420		113.8	77.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	690		59.9	77.9	100	ug/Kg
84-66-2	Diethylphthalate	760		51.5	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	810		54.2	77.9	100	ug/Kg
86-73-7	Fluorene	790		50.8	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	730		62.3	77.9	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	94.3	J	52.6	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	960		55.9	77.9	100	ug/Kg
103-33-3	Azobenzene	730		44	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	960		58.4	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	980		59.2	77.9	100	ug/Kg
1912-24-9	Atrazine	820		57.2	77.9	100	ug/Kg
87-86-5	Pentachlorophenol	1600		66.5	160	200	ug/Kg
85-01-8	Phenanthrene	850		55.5	77.9	100	ug/Kg
120-12-7	Anthracene	830		61.1	77.9	100	ug/Kg
86-74-8	Carbazole	780		50.9	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	800		62.3	77.9	100	ug/Kg
206-44-0	Fluoranthene	700		56.6	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	SU-02-02272024MS	SDG No.:	BP022824
Lab Sample ID:	P1610-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BP019926.D	1	2/28/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159345

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	830		120	160	200	ug/Kg
129-00-0	Pyrene	880		50.1	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	790		61.7	77.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	750		96.5	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	860		50.3	77.9	100	ug/Kg
218-01-9	Chrysene	840		52	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	790		68.9	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	810		73.7	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	870		48.1	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	830		52.8	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	820		56.5	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	890		64.1	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	870		57.8	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	850		55.4	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	980		53.6	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	590		70.1	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	810		49.7	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	760		54	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	42.805		18-112		29	SPK: -150
13127-88-3	Phenol-d6	39.69		15-107		26	SPK: -150
4165-60-0	Nitrobenzene-d5	25.844		18-107		26	SPK: -100
321-60-8	2-Fluorobiphenyl	30.704		20-109		31	SPK: -100
118-79-6	2,4,6-Tribromophenol	41.33		10-110		28	SPK: -150
1718-51-0	Terphenyl-d14	29.976		14-112		30	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	112170	7.893				
1146-65-2	Naphthalene-d8	433762	10.699				
15067-26-2	Acenaphthene-d10	294522	14.545				
1517-22-2	Phenanthrene-d10	546239	17.31				
1719-03-5	Chrysene-d12	444552	21.416				
1520-96-3	Perylene-d12	512469	23.851				



Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	SU-02-02272024MS	SDG No.:	BP022824
Lab Sample ID:	P1610-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019926.D	1	2/28/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159345

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

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	SU-02-02272024MSD	SDG No.:	BP022824
Lab Sample ID:	P1610-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BP019927.D	1	2/28/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159345

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	740		46.3	160	200	ug/Kg
110-86-1	Pyridine	530		43.4	77.9	100	ug/Kg
100-52-7	Benzaldehyde	150	J	88.6	160	200	ug/Kg
62-53-3	Aniline	470		70.1	77.9	100	ug/Kg
108-95-2	Phenol	790		44.6	77.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	750		53.8	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	850		43.1	77.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	850		48.9	77.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	870		53	77.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	880		49.4	77.9	100	ug/Kg
100-51-6	Benzyl Alcohol	710		59.2	160	200	ug/Kg
95-48-7	2-Methylphenol	720		68.3	77.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	680		62.9	77.9	100	ug/Kg
98-86-2	Acetophenone	730		51.9	77.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	680		64.7	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	650		35.3	47.9	47.9	ug/Kg
67-72-1	Hexachloroethane	490		44.1	77.9	100	ug/Kg
98-95-3	Nitrobenzene	730		45	77.9	100	ug/Kg
78-59-1	Isophorone	730		40.8	77.9	100	ug/Kg
88-75-5	2-Nitrophenol	620		57	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	700		59.7	77.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	750		67.1	77.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	880		46.8	77.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	910		46.4	77.9	100	ug/Kg
65-85-0	Benzoic acid	770		130	160	200	ug/Kg
91-20-3	Naphthalene	830		48.8	77.9	100	ug/Kg
106-47-8	4-Chloroaniline	470		62.9	77.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	920		50.3	77.9	100	ug/Kg
105-60-2	Caprolactam	680		70.1	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	770		49.4	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	770		56.8	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	SU-02-02272024MSD	SDG No.:	BP022824
Lab Sample ID:	P1610-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BP019927.D	1	2/28/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159345

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	130	U	130	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	950		46.2	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	850		52.6	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	900		54.7	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	940		50.7	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	890		59.5	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	800		53.2	77.9	100	ug/Kg
208-96-8	Acenaphthylene	890		52.9	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	690		53.9	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	780		55.9	77.9	100	ug/Kg
83-32-9	Acenaphthene	830		48.1	77.9	100	ug/Kg
Total PAH	Total PAH	13540		860.7	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	160	200	ug/Kg
100-02-7	4-Nitrophenol	1500		68.3	160	200	ug/Kg
132-64-9	Dibenzofuran	830		46.1	77.9	100	ug/Kg
121-14-2	2,4-Dinitrotoluene	650		59.8	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	340		113.7	77.9	200	ug/Kg
84-66-2	Diethylphthalate	790		51.4	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	830		54.1	77.9	100	ug/Kg
86-73-7	Fluorene	800		50.8	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	800		62.3	77.9	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	67.7	J	52.6	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	990		55.9	77.9	100	ug/Kg
103-33-3	Azobenzene	750		44	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		58.3	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	1000		59.2	77.9	100	ug/Kg
1912-24-9	Atrazine	830		57.1	77.9	100	ug/Kg
87-86-5	Pentachlorophenol	1600		66.5	160	200	ug/Kg
85-01-8	Phenanthrene	850		55.5	77.9	100	ug/Kg
120-12-7	Anthracene	850		61.1	77.9	100	ug/Kg
86-74-8	Carbazole	800		50.8	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	850		62.3	77.9	100	ug/Kg
206-44-0	Fluoranthene	710		56.5	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	SU-02-02272024MSD	SDG No.:	BP022824
Lab Sample ID:	P1610-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BP019927.D	1	2/28/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159345

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	840		120	160	200	ug/Kg
129-00-0	Pyrene	880		50.1	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	820		61.7	77.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	780		96.4	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	870		50.2	77.9	100	ug/Kg
218-01-9	Chrysene	850		52	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	840		68.9	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	850		73.7	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	890		48.1	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	830		52.8	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	820		56.5	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	890		64.1	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	890		57.8	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	860		55.4	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		53.5	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	570		70.1	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	820		49.7	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	770		54	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	43.949		18-112		29	SPK: -150
13127-88-3	Phenol-d6	41.098		15-107		27	SPK: -150
4165-60-0	Nitrobenzene-d5	26.268		18-107		26	SPK: -100
321-60-8	2-Fluorobiphenyl	31.83		20-109		32	SPK: -100
118-79-6	2,4,6-Tribromophenol	41.488		10-110		28	SPK: -150
1718-51-0	Terphenyl-d14	30.657		14-112		31	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	115834	7.899				
1146-65-2	Naphthalene-d8	459031	10.704				
15067-26-2	Acenaphthene-d10	310646	14.545				
1517-22-2	Phenanthrene-d10	569467	17.31				
1719-03-5	Chrysene-d12	466550	21.416				
1520-96-3	Perylene-d12	544996	23.857				



Report of Analysis

Client:		Date Collected:	2/27/2024 12:00:00 AM
Project:		Date Received:	2/27/2024 12:00:00 AM
Client Sample ID:	SU-02-02272024MSD	SDG No.:	BP022824
Lab Sample ID:	P1610-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019927.D	1	2/28/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159345

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

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BP022824
Lab Sample ID:	P1602-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019928.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	82.5	U	82.5	290	350	ug/Kg
110-86-1	Pyridine	77.3	U	77.3	140	180	ug/Kg
100-52-7	Benzaldehyde	160	U	160	290	350	ug/Kg
62-53-3	Aniline	120	U	120	140	180	ug/Kg
108-95-2	Phenol	79.4	U	79.4	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	95.9	U	95.9	140	180	ug/Kg
95-57-8	2-Chlorophenol	76.9	U	76.9	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	87.2	U	87.2	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	94.5	U	94.5	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	88	U	88	140	180	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	290	350	ug/Kg
95-48-7	2-Methylphenol	120	U	120	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	140	180	ug/Kg
98-86-2	Acetophenone	92.6	U	92.6	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	63	U	63	85.4	85.4	ug/Kg
67-72-1	Hexachloroethane	78.6	U	78.6	140	180	ug/Kg
98-95-3	Nitrobenzene	80.3	U	80.3	140	180	ug/Kg
78-59-1	Isophorone	72.7	U	72.7	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	83.4	U	83.4	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	82.8	U	82.8	140	180	ug/Kg
65-85-0	Benzoic acid	230	U	230	290	350	ug/Kg
91-20-3	Naphthalene	410		86.9	140	180	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	89.7	U	89.7	140	180	ug/Kg
105-60-2	Caprolactam	120	U	120	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	88.1	U	88.1	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	160	J	100	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BP022824
Lab Sample ID:	P1602-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019928.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	220	U	220	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	82.3	U	82.3	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	93.9	U	93.9	140	180	ug/Kg
92-52-4	1,1-Biphenyl	97.5	U	97.5	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	90.3	U	90.3	140	180	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	180	ug/Kg
131-11-3	Dimethylphthalate	94.9	U	94.9	140	180	ug/Kg
208-96-8	Acenaphthylene	94.4	U	94.4	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	96.1	U	96.1	140	180	ug/Kg
99-09-2	3-Nitroaniline	99.7	U	99.7	140	180	ug/Kg
83-32-9	Acenaphthene	460		85.7	140	180	ug/Kg
Total PAH	Total PAH	20430		1526.9	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	190	U	190	290	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	350	ug/Kg
132-64-9	Dibenzofuran	310		82.1	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	206.1	U	206.1	140	360	ug/Kg
84-66-2	Diethylphthalate	91.7	U	91.7	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	96.5	U	96.5	140	180	ug/Kg
86-73-7	Fluorene	550		90.6	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	93.8	U	93.8	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	99.6	U	99.6	140	180	ug/Kg
103-33-3	Azobenzene	78.5	U	78.5	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	140	180	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	140	180	ug/Kg
1912-24-9	Atrazine	100	U	100	140	180	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	290	350	ug/Kg
85-01-8	Phenanthrene	3800	E	99	140	180	ug/Kg
120-12-7	Anthracene	1000		110	140	180	ug/Kg
86-74-8	Carbazole	320		90.7	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	140	180	ug/Kg
206-44-0	Fluoranthene	3300	E	100	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BP022824
Lab Sample ID:	P1602-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019928.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	210	U	210	290	350	ug/Kg
129-00-0	Pyrene	2900	E	89.4	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	1600		89.6	140	180	ug/Kg
218-01-9	Chrysene	1400		92.7	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		85.7	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	600		94.1	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	1200		100	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	660		110	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	220		100	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	730		98.8	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	95.5	U	95.5	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	88.5	U	88.5	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	150	J	96.3	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	64.94		18-112		43	SPK: -150
13127-88-3	Phenol-d6	59.866		15-107		40	SPK: -150
4165-60-0	Nitrobenzene-d5	39.079		18-107		39	SPK: -100
321-60-8	2-Fluorobiphenyl	45.636		20-109		46	SPK: -100
118-79-6	2,4,6-Tribromophenol	61.166		10-110		41	SPK: -150
1718-51-0	Terphenyl-d14	39.22		14-112		39	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	123157	7.899				
1146-65-2	Naphthalene-d8	462816	10.704				
15067-26-2	Acenaphthene-d10	292179	14.545				
1517-22-2	Phenanthrene-d10	529618	17.31				
1719-03-5	Chrysene-d12	460163	21.422				
1520-96-3	Perylene-d12	555323	23.857				

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BP022824
Lab Sample ID:	P1602-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019928.D	1	2/27/2024 12:00:00 AM	2/28/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000127-91-3	.beta.-Pinene	91.5	J			7.316	
000581-40-8	Naphthalene, 2,3-dimethyl-	170	J			13.863	
006344-67-8	9H-Fluoren-3-ol	130	J			15.892	
001430-97-3	9H-Fluorene, 2-methyl-	170	J			16.61	
042224-48-6	2-[2-Phenylethenyl]phenol	91.1	J			16.839	
000486-25-9	9H-Fluoren-9-one	190	J			16.969	
036393-42-7	4-(4-Methylphenyl)benzaldehyde	96.8	J			17.039	
000132-65-0	Dibenzothiophene	220	J			17.128	
000779-02-2	Anthracene, 9-methyl-	400	J			18.181	
000832-69-9	Phenanthrene, 1-methyl-	680	J			18.228	
000610-48-0	Anthracene, 1-methyl-	210	J			18.31	
000203-64-5	4H-Cyclopenta[def]phenanthrene	780	J			18.369	
000949-41-7	1H-Cyclopropa[1]phenanthrene,1a,9b	200	J			18.404	
000612-94-2	Naphthalene, 2-phenyl-	270	J			18.669	
000084-65-1	9,10-Anthracenedione	260	J			18.716	
003674-66-6	Phenanthrene, 2,5-dimethyl-	160	J			19.069	
005737-13-3	Cyclopenta(def)phenanthrenone	180	J			19.21	
002381-21-7	Pyrene, 1-methyl-	95	J			19.998	
000243-17-4	11H-Benzo[b]fluorene	130	J			20.169	
000238-84-6	11H-Benzo[a]fluorene	100	J			20.263	

Hit Summary Sheet
SW-846

SDG No.: BP022824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	20240766-AMENDED-COMP-39N-N-3-01							
P1523-06	20240766-AMENDED-C	Solid	1,2,4,5-Tetrathiane	*	520.000	J		
P1523-06	20240766-AMENDED-C	Solid	2-Butenal, 3-methyl-	*	230.000	J		
P1523-06	20240766-AMENDED-C	Solid	2-Pentanol, 4-methyl-	*	1,100.000	J		
P1523-06	20240766-AMENDED-C	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	4,100.000	A		
P1523-06	20240766-AMENDED-C	Solid	3-Hexen-1-ol	*	260.000	J		
P1523-06	20240766-AMENDED-C	Solid	3-Penten-2-ol	*	7,800.000	J		
P1523-06	20240766-AMENDED-C	Solid	Cyclopentadecane	*	370.000	J		
P1523-06	20240766-AMENDED-C	Solid	Hexathiane	*	340.000	J		
P1523-06	20240766-AMENDED-C	Solid	Lenthionine	*	640.000	J		
P1523-06	20240766-AMENDED-C	Solid	n-Hexadecanoic acid	*	630.000	J		
P1523-06	20240766-AMENDED-C	Solid	Octadecanoic acid	*	290.000	J		
P1523-06	20240766-AMENDED-C	Solid	Prenol	*	770.000	J		
P1523-06	20240766-AMENDED-C	Solid	Propanoic acid, 2-hydroxy-2-meth	*	660.000	J		
P1523-06	20240766-AMENDED-C	Solid	unknown11.075	*	270.000	J		
P1523-06	20240766-AMENDED-C	Solid	unknown13.587	*	230.000	J		
P1523-06	20240766-AMENDED-C	Solid	unknown14.457	*	270.000	J		
P1523-06	20240766-AMENDED-C	Solid	unknown15.934	*	400.000	J		
P1523-06	20240766-AMENDED-C	Solid	unknown17.069	*	860.000	J		
P1523-06	20240766-AMENDED-C	Solid	unknown7.587	*	340.000	J		
P1523-06	20240766-AMENDED-C	Solid	unknown9.422	*	4,800.000	J		
			Total Tics :		24,880.00			
P1523-06	20240766-AMENDED-C	Solid	Di-n-butylphthalate		250.000	J 250	410	ug/Kg
			Total Svoc :		250.00			
			Total Concentration:		25,130.00			
Client ID :	3							
P1537-03	3	Solid	2-Pentanol, 4-methyl-	*	230.000	J		
P1537-03	3	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	680.000	A		
P1537-03	3	Solid	3-Penten-2-ol	*	1,500.000	J		
P1537-03	3	Solid	4H-Cyclopenta[def]phenanthrene	*	190.000	J		
P1537-03	3	Solid	9,10-Anthracenedione	*	120.000	J		
P1537-03	3	Solid	9,10-Dimethylanthracene	*	83.200	J		
P1537-03	3	Solid	Anthracene, 1-methyl-	*	82.800	J		
P1537-03	3	Solid	Carbonic acid, 3-pentyl propyl est	*	140.000	J		
P1537-03	3	Solid	Cyclohexadecane	*	150.000	J		
P1537-03	3	Solid	n-Hexadecanoic acid	*	530.000	J		
P1537-03	3	Solid	Octadecanoic acid	*	96.300	J		
P1537-03	3	Solid	Prenol	*	140.000	J		
P1537-03	3	Solid	Pyrene, 2-methyl-	*	83.600	J		
P1537-03	3	Solid	unknown3.864	*	93.200	J		

Hit Summary Sheet SW-846

SDG No.: BP022824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Tics :				4,119.10				
P1537-03	3	Solid	Anthracene	130.000	J	120	200	ug/Kg
P1537-03	3	Solid	Benzo(a)anthracene	430.000		96.9	200	ug/Kg
P1537-03	3	Solid	Benzo(a)pyrene	410.000		110	200	ug/Kg
P1537-03	3	Solid	Benzo(b)fluoranthene	610.000		92.8	200	ug/Kg
P1537-03	3	Solid	Benzo(g,h,i)perylene	320.000		110	200	ug/Kg
P1537-03	3	Solid	Benzo(k)fluoranthene	170.000	J	100	200	ug/Kg
P1537-03	3	Solid	Chrysene	480.000		100	200	ug/Kg
P1537-03	3	Solid	Fluoranthene	1,000.000		110	200	ug/Kg
P1537-03	3	Solid	Indeno(1,2,3-cd)pyrene	250.000		120	200	ug/Kg
P1537-03	3	Solid	Phenanthrene	680.000		110	200	ug/Kg
P1537-03	3	Solid	Pyrene	810.000		96.7	200	ug/Kg
Total Svoc :				5,290.00				
Total Concentration:				9,409.10				
Client ID : 20241097-COMPOSITE-35N-N-4-02								
P1538-02	20241097-COMPOSITE-	Solid	1,2-Benzenedicarboxylic acid, bis *	240.000	J			
P1538-02	20241097-COMPOSITE-	Solid	4,4-Bis(tetrahydrothiopyran) *	220.000	J			
P1538-02	20241097-COMPOSITE-	Solid	Benzenesulfonamide, N-butyl- *	530.000	J			
P1538-02	20241097-COMPOSITE-	Solid	n-Hexadecanoic acid *	4,500.000	J			
P1538-02	20241097-COMPOSITE-	Solid	Octadecanoic acid *	7,200.000	J			
P1538-02	20241097-COMPOSITE-	Solid	Oxalic acid, isobutyl tetradecyl e *	280.000	J			
P1538-02	20241097-COMPOSITE-	Solid	Pentadecanoic acid *	2,000.000	J			
P1538-02	20241097-COMPOSITE-	Solid	Phthalic acid, di(2-propylpentyl) *	460.000	J			
P1538-02	20241097-COMPOSITE-	Solid	Tetradecanoic acid *	290.000	J			
P1538-02	20241097-COMPOSITE-	Solid	unknown15.934 *	2,400.000	J			
Total Tics :				18,120.00				
P1538-02	20241097-COMPOSITE-	Solid	Bis(2-ethylhexyl)phthalate	360.000	J	340	510	ug/Kg
P1538-02	20241097-COMPOSITE-	Solid	Di-n-butylphthalate	1,200.000		310	510	ug/Kg
P1538-02	20241097-COMPOSITE-	Solid	Diethylphthalate	690.000		260	510	ug/Kg
Total Svoc :				2,250.00				
Total Concentration:				20,370.00				
Client ID : AU-06-02232024								
P1584-01	AU-06-02232024	Solid	9,11-Octadecadienoic acid, methy *	6,300.000	J			
P1584-01	AU-06-02232024	Solid	9-Octadecenoic acid (Z)-, methyl *	3,600.000	J			
P1584-01	AU-06-02232024	Solid	Dodecane *	120.000	J			
P1584-01	AU-06-02232024	Solid	Eicosane *	150.000	J			
P1584-01	AU-06-02232024	Solid	Heptacosane *	130.000	J			
P1584-01	AU-06-02232024	Solid	Hexadecane, 1-iodo- *	200.000	J			
P1584-01	AU-06-02232024	Solid	Hexadecanoic acid, methyl ester *	1,100.000	J			
P1584-01	AU-06-02232024	Solid	Methyl stearate *	670.000	J			
P1584-01	AU-06-02232024	Solid	n-Hexadecanoic acid *	620.000	J			

Hit Summary Sheet SW-846

SDG No.: BP022824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1584-01	AU-06-02232024	Solid	Nonadecane	*	160.000	J		
P1584-01	AU-06-02232024	Solid	Octadecanoic acid	*	180.000	J		
P1584-01	AU-06-02232024	Solid	Pentadecafluorooctanoic acid, oct:	*	130.000	J		
P1584-01	AU-06-02232024	Solid	Pentadecane	*	190.000	J		
P1584-01	AU-06-02232024	Solid	Pentadecane, 2,6,10-trimethyl-	*	84.500	J		
P1584-01	AU-06-02232024	Solid	Tetracosane	*	260.000	J		
P1584-01	AU-06-02232024	Solid	Tetradecane	*	130.000	J		
P1584-01	AU-06-02232024	Solid	Tridecane	*	130.000	J		
Total Tics :				14,154.50				
P1584-01	AU-06-02232024	Solid	Benzo(a)anthracene		140.000	57.3	120	ug/Kg
P1584-01	AU-06-02232024	Solid	Benzo(a)pyrene		130.000	64.5	120	ug/Kg
P1584-01	AU-06-02232024	Solid	Benzo(b)fluoranthene		170.000	54.9	120	ug/Kg
P1584-01	AU-06-02232024	Solid	Benzo(g,h,i)perylene	J	95.800	63.2	120	ug/Kg
P1584-01	AU-06-02232024	Solid	Butylbenzylphthalate		150.000	70.4	120	ug/Kg
P1584-01	AU-06-02232024	Solid	Chrysene		150.000	59.3	120	ug/Kg
P1584-01	AU-06-02232024	Solid	Fluoranthene		250.000	64.5	120	ug/Kg
P1584-01	AU-06-02232024	Solid	Phenanthrene		150.000	63.4	120	ug/Kg
P1584-01	AU-06-02232024	Solid	Pyrene		220.000	57.2	120	ug/Kg
Total Svoc :				1,455.80				
Total Concentration:				15,610.30				

Client ID : WC-1

P1602-01	WC-1	Solid	.beta.-Pinene	*	91.500	J		
P1602-01	WC-1	Solid	11H-Benzo[a]fluorene	*	100.000	J		
P1602-01	WC-1	Solid	11H-Benzo[b]fluorene	*	130.000	J		
P1602-01	WC-1	Solid	1H-Cyclopropa[1]phenanthrene, 1a	*	200.000	J		
P1602-01	WC-1	Solid	2-[2-Phenylethenyl]phenol	*	91.100	J		
P1602-01	WC-1	Solid	4-(4-Methylphenyl)benzaldehyde	*	96.800	J		
P1602-01	WC-1	Solid	4H-Cyclopenta[def]phenanthrene	*	780.000	J		
P1602-01	WC-1	Solid	9,10-Anthracenedione	*	260.000	J		
P1602-01	WC-1	Solid	9H-Fluoren-3-ol	*	130.000	J		
P1602-01	WC-1	Solid	9H-Fluoren-9-one	*	190.000	J		
P1602-01	WC-1	Solid	9H-Fluorene, 2-methyl-	*	170.000	J		
P1602-01	WC-1	Solid	Anthracene, 1-methyl-	*	210.000	J		
P1602-01	WC-1	Solid	Anthracene, 9-methyl-	*	400.000	J		
P1602-01	WC-1	Solid	Cyclopenta(def)phenanthrenone	*	180.000	J		
P1602-01	WC-1	Solid	Dibenzothiophene	*	220.000	J		
P1602-01	WC-1	Solid	Naphthalene, 2,3-dimethyl-	*	170.000	J		
P1602-01	WC-1	Solid	Naphthalene, 2-phenyl-	*	270.000	J		
P1602-01	WC-1	Solid	Phenanthrene, 1-methyl-	*	680.000	J		
P1602-01	WC-1	Solid	Phenanthrene, 2,5-dimethyl-	*	160.000	J		
P1602-01	WC-1	Solid	Pyrene, 1-methyl-	*	95.000	J		
Total Tics :				4,624.40				

Hit Summary Sheet SW-846

SDG No.: BP022824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1602-01	WC-1	Solid	1-Methylnaphthalene	150.000	J	96.3	180	ug/Kg
P1602-01	WC-1	Solid	2-Methylnaphthalene	160.000	J	100	180	ug/Kg
P1602-01	WC-1	Solid	Acenaphthene	460.000		85.7	180	ug/Kg
P1602-01	WC-1	Solid	Anthracene	1,000.000		110	180	ug/Kg
P1602-01	WC-1	Solid	Benzo(a)anthracene	1,600.000		89.6	180	ug/Kg
P1602-01	WC-1	Solid	Benzo(a)pyrene	1,200.000		100	180	ug/Kg
P1602-01	WC-1	Solid	Benzo(b)fluoranthene	1,600.000		85.7	180	ug/Kg
P1602-01	WC-1	Solid	Benzo(g,h,i)perylene	730.000		98.8	180	ug/Kg
P1602-01	WC-1	Solid	Benzo(k)fluoranthene	600.000		94.1	180	ug/Kg
P1602-01	WC-1	Solid	Carbazole	320.000		90.7	180	ug/Kg
P1602-01	WC-1	Solid	Chrysene	1,400.000		92.7	180	ug/Kg
P1602-01	WC-1	Solid	Dibenzo(a,h)anthracene	220.000		100	180	ug/Kg
P1602-01	WC-1	Solid	Dibenzofuran	310.000		82.1	180	ug/Kg
P1602-01	WC-1	Solid	Fluoranthene	3,300.000	E	100	180	ug/Kg
P1602-01	WC-1	Solid	Fluorene	550.000		90.6	180	ug/Kg
P1602-01	WC-1	Solid	Indeno(1,2,3-cd)pyrene	660.000		110	180	ug/Kg
P1602-01	WC-1	Solid	Naphthalene	410.000		86.9	180	ug/Kg
P1602-01	WC-1	Solid	Phenanthrene	3,800.000	E	99	180	ug/Kg
P1602-01	WC-1	Solid	Pyrene	2,900.000	E	89.4	180	ug/Kg
P1602-01	WC-1	Solid	Total PAH	20,430.000		1526.9	2880	ug/Kg
Total Svoc :				41,800.00				
Total Concentration:				46,424.40				

Client ID : WC-2

P1602-04	WC-2	Solid	1(2H)-Acenaphthylenone	*	220.000	J		
P1602-04	WC-2	Solid	1-Methyldibenzothiophene	*	290.000	J		
P1602-04	WC-2	Solid	1H-Cyclopropa[1]phenanthrene, 1a	*	590.000	J		
P1602-04	WC-2	Solid	1H-Indene, 2-phenyl-	*	1,800.000	J		
P1602-04	WC-2	Solid	4H-Cyclopenta[def]phenanthrene	*	2,200.000	J		
P1602-04	WC-2	Solid	5,16[1,2]:8,13[1,2]-Dibenzen	*	640.000	J		
P1602-04	WC-2	Solid	9,10-Anthracenedione	*	550.000	J		
P1602-04	WC-2	Solid	9H-Fluoren-3-ol	*	250.000	J		
P1602-04	WC-2	Solid	9H-Fluoren-9-one	*	300.000	J		
P1602-04	WC-2	Solid	9H-Fluorene, 2-methyl-	*	390.000	J		
P1602-04	WC-2	Solid	Benzo[e]pyrene	*	680.000	J		
P1602-04	WC-2	Solid	Benzo[j]fluoranthene	*	2,200.000	J		
P1602-04	WC-2	Solid	Cyclopenta(def)phenanthrenone	*	560.000	J		
P1602-04	WC-2	Solid	Dibenzothiophene	*	530.000	J		
P1602-04	WC-2	Solid	Naphthalene, 2,3-dimethyl-	*	340.000	J		
P1602-04	WC-2	Solid	Perylene	*	1,000.000	J		
P1602-04	WC-2	Solid	Phenanthrene, 1-methyl-	*	1,100.000	J		
P1602-04	WC-2	Solid	Phenanthrene, 2,5-dimethyl-	*	820.000	J		
P1602-04	WC-2	Solid	Phenanthrene, 2-methyl-	*	640.000	J		

Hit Summary Sheet SW-846

SDG No.: BP022824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1602-04	WC-2	Solid	Phenanthrene, 3,6-dimethyl-	*	210.000	J		
Total Tics :					15,310.00			
P1602-04	WC-2	Solid	1,1-Biphenyl		270.000	100	190	ug/Kg
P1602-04	WC-2	Solid	1-Methylnaphthalene		540.000	100	190	ug/Kg
P1602-04	WC-2	Solid	2-Methylnaphthalene		800.000	110	190	ug/Kg
P1602-04	WC-2	Solid	Acenaphthene		1,100.000	90	190	ug/Kg
P1602-04	WC-2	Solid	Acenaphthylene		690.000	99.1	190	ug/Kg
P1602-04	WC-2	Solid	Anthracene		2,300.000	110	190	ug/Kg
P1602-04	WC-2	Solid	Benzo(a)anthracene		3,400.000	E 94.1	190	ug/Kg
P1602-04	WC-2	Solid	Benzo(a)pyrene		2,900.000	110	190	ug/Kg
P1602-04	WC-2	Solid	Benzo(b)fluoranthene		3,500.000	E 90	190	ug/Kg
P1602-04	WC-2	Solid	Benzo(g,h,i)perylene		1,700.000	100	190	ug/Kg
P1602-04	WC-2	Solid	Benzo(k)fluoranthene		1,400.000	98.8	190	ug/Kg
P1602-04	WC-2	Solid	Carbazole		800.000	95.2	190	ug/Kg
P1602-04	WC-2	Solid	Chrysene		3,000.000	97.3	190	ug/Kg
P1602-04	WC-2	Solid	Dibenzo(a,h)anthracene		490.000	110	190	ug/Kg
P1602-04	WC-2	Solid	Dibenzofuran		1,100.000	86.2	190	ug/Kg
P1602-04	WC-2	Solid	Fluoranthene		8,100.000	E 110	190	ug/Kg
P1602-04	WC-2	Solid	Fluorene		1,800.000	95.1	190	ug/Kg
P1602-04	WC-2	Solid	Indeno(1,2,3-cd)pyrene		1,500.000	120	190	ug/Kg
P1602-04	WC-2	Solid	Naphthalene		2,600.000	91.3	190	ug/Kg
P1602-04	WC-2	Solid	Phenanthrene		8,600.000	E 100	190	ug/Kg
P1602-04	WC-2	Solid	Pyrene		5,700.000	E 93.8	190	ug/Kg
P1602-04	WC-2	Solid	Total PAH		48,780.000	1609.5	3040	ug/Kg
Total Svoc :					101,070.00			
Total Concentration:					116,380.00			

Client ID : WC-3

P1602-07	WC-3	Solid	1-Methyldibenzothiophene	*	160.000	J		
P1602-07	WC-3	Solid	1H-Benzo[b]fluorene	*	160.000	J		
P1602-07	WC-3	Solid	2-Methylchrysene	*	120.000	J		
P1602-07	WC-3	Solid	9,10-Anthracenedione	*	280.000	J		
P1602-07	WC-3	Solid	9,10-Dimethylanthracene	*	440.000	J		
P1602-07	WC-3	Solid	Anthra(2,3-b)thiophene	*	150.000	J		
P1602-07	WC-3	Solid	Anthracene, 2-methyl-	*	350.000	J		
P1602-07	WC-3	Solid	Cyclopenta(def)phenanthrenone	*	300.000	J		
P1602-07	WC-3	Solid	Cyclopenta[cd]pyrene	*	130.000	J		
P1602-07	WC-3	Solid	di-p-Tolylacetylene	*	120.000	J		
P1602-07	WC-3	Solid	Fluoranthene, 2-methyl-	*	190.000	J		
P1602-07	WC-3	Solid	Naphthalene, 1,2-dihydro-4-phenyl-	*	120.000	J		
P1602-07	WC-3	Solid	Naphthalene, 1,4,6-trimethyl-	*	120.000	J		
P1602-07	WC-3	Solid	Naphthalene, 2-phenyl-	*	240.000	J		
P1602-07	WC-3	Solid	Naphtho[2,3-b]norbornadiene	*	560.000	J		

Hit Summary Sheet SW-846

SDG No.: BP022824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1602-07	WC-3	Solid	Phenanthrene, 1-methyl-	*	760.000	J		
P1602-07	WC-3	Solid	Phenanthrene, 2-methyl-	*	440.000	J		
P1602-07	WC-3	Solid	Pyrene, 1-methyl-	*	130.000	J		
P1602-07	WC-3	Solid	Pyrene, 2-methyl-	*	130.000	J		
P1602-07	WC-3	Solid	unknown19.116	*	230.000	J		
Total Tics :				5,130.00				
P1602-07	WC-3	Solid	Acenaphthylene		400.000		97.1	190 ug/Kg
P1602-07	WC-3	Solid	Anthracene		170.000	J	110	190 ug/Kg
P1602-07	WC-3	Solid	Benzo(a)anthracene		560.000		92.1	190 ug/Kg
P1602-07	WC-3	Solid	Benzo(a)pyrene		470.000		100	190 ug/Kg
P1602-07	WC-3	Solid	Benzo(b)fluoranthene		580.000		88.2	190 ug/Kg
P1602-07	WC-3	Solid	Benzo(g,h,i)perylene		330.000		100	190 ug/Kg
P1602-07	WC-3	Solid	Benzo(k)fluoranthene		210.000		96.7	190 ug/Kg
P1602-07	WC-3	Solid	Chrysene		660.000		95.3	190 ug/Kg
P1602-07	WC-3	Solid	Fluoranthene		910.000		100	190 ug/Kg
P1602-07	WC-3	Solid	Fluorene		100.000	J	93.1	190 ug/Kg
P1602-07	WC-3	Solid	Indeno(1,2,3-cd)pyrene		260.000		120	190 ug/Kg
P1602-07	WC-3	Solid	Phenanthrene		930.000		100	190 ug/Kg
P1602-07	WC-3	Solid	Pyrene		1,300.000		91.9	190 ug/Kg
Total Svoc :				6,880.00				
Total Concentration:				12,010.00				

Client ID : WC-4

P1602-10	WC-4	Solid	1-Methyldibenzothiophene	*	280.000	J		
P1602-10	WC-4	Solid	2-Methyldibenzothiophene	*	430.000	J		
P1602-10	WC-4	Solid	4-Bromothiophene-2-aldehyde	*	1,800.000	J		
P1602-10	WC-4	Solid	5,16[1,2]:8,13[1,2]-Dibenzen	*	500.000	J		
P1602-10	WC-4	Solid	9,10-Anthracenedione	*	760.000	J		
P1602-10	WC-4	Solid	9,10-Dimethylanthracene	*	1,300.000	J		
P1602-10	WC-4	Solid	Anthracene, 1-methyl-	*	1,100.000	J		
P1602-10	WC-4	Solid	Benzo[e]pyrene	*	580.000	J		
P1602-10	WC-4	Solid	Benzo[j]fluoranthene	*	690.000	J		
P1602-10	WC-4	Solid	Chrysene, 5-methyl-	*	300.000	J		
P1602-10	WC-4	Solid	Cyclopenta(def)phenanthrenone	*	850.000	J		
P1602-10	WC-4	Solid	Dibenzothiophene	*	330.000	J		
P1602-10	WC-4	Solid	Perylene	*	1,800.000	J		
P1602-10	WC-4	Solid	Phenanthrene, 1-methyl-	*	1,600.000	J		
P1602-10	WC-4	Solid	Phenanthrene, 2,3-dimethyl-	*	290.000	J		
P1602-10	WC-4	Solid	Phenanthrene, 2,5-dimethyl-	*	320.000	J		
P1602-10	WC-4	Solid	Phenanthrene, 2,7-dimethyl-	*	710.000	J		
P1602-10	WC-4	Solid	Phenanthrene, 2-methyl-	*	490.000	J		
P1602-10	WC-4	Solid	Phenanthrene, 3,6-dimethyl-	*	380.000	J		
P1602-10	WC-4	Solid	Phenanthrene, 4-methyl-	*	750.000	J		

Hit Summary Sheet SW-846

SDG No.: BP022824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Tics :	15,260.00				
P1602-10	WC-4	Solid	1-Methylnaphthalene	140.000	J	100	190	ug/Kg
P1602-10	WC-4	Solid	Acenaphthene	140.000	J	90.7	190	ug/Kg
P1602-10	WC-4	Solid	Acenaphthylene	1,100.000		99.9	190	ug/Kg
P1602-10	WC-4	Solid	Anthracene	1,100.000		120	190	ug/Kg
P1602-10	WC-4	Solid	Benzo(a)anthracene	2,200.000		94.8	190	ug/Kg
P1602-10	WC-4	Solid	Benzo(a)pyrene	2,100.000		110	190	ug/Kg
P1602-10	WC-4	Solid	Benzo(b)fluoranthene	2,600.000		90.7	190	ug/Kg
P1602-10	WC-4	Solid	Benzo(g,h,i)perylene	1,400.000		100	190	ug/Kg
P1602-10	WC-4	Solid	Benzo(k)fluoranthene	860.000		99.5	190	ug/Kg
P1602-10	WC-4	Solid	Carbazole	200.000		95.9	190	ug/Kg
P1602-10	WC-4	Solid	Chrysene	2,300.000		98.1	190	ug/Kg
P1602-10	WC-4	Solid	Dibenzo(a,h)anthracene	390.000		110	190	ug/Kg
P1602-10	WC-4	Solid	Fluoranthene	4,000.000	E	110	190	ug/Kg
P1602-10	WC-4	Solid	Fluorene	300.000		95.8	190	ug/Kg
P1602-10	WC-4	Solid	Indeno(1,2,3-cd)pyrene	1,200.000		120	190	ug/Kg
P1602-10	WC-4	Solid	Naphthalene	93.700	J	92	190	ug/Kg
P1602-10	WC-4	Solid	Phenanthrene	3,000.000		100	190	ug/Kg
P1602-10	WC-4	Solid	Pyrene	4,400.000	E	94.6	190	ug/Kg
P1602-10	WC-4	Solid	Total PAH	27,183.000		1626.1	3040	ug/Kg
			Total Svoc :	54,706.70				
			Total Concentration:	69,966.70				

Client ID : SU-02-02272024

P1610-01	SU-02-02272024	Solid	Heneicosane	*	44.600	J		
P1610-01	SU-02-02272024	Solid	Heptacosane	*	48.400	J		
P1610-01	SU-02-02272024	Solid	n-Hexadecanoic acid	*	68.600	J		
P1610-01	SU-02-02272024	Solid	Tridecane, 1-iodo-	*	77.000	J		
			Total Tics :	238.60				
			Total Concentration:	238.60				

Client ID : TR-05-022724

P1611-01	TR-05-022724	Solid	1H-Indene, 2,3-dihydro-4,7-dimet *		580.000	J		
P1611-01	TR-05-022724	Solid	1H-Indene, 2,3-dihydro-4-methyl- *		480.000	J		
P1611-01	TR-05-022724	Solid	7-Octadecenoic acid, methyl ester *		560.000	J		
P1611-01	TR-05-022724	Solid	9,12-Octadecadienoic acid, methy *		1,600.000	J		
P1611-01	TR-05-022724	Solid	Bacchotricuneatin c *		460.000	J		
P1611-01	TR-05-022724	Solid	Dodecane, 2-methyl- *		1,100.000	J		
P1611-01	TR-05-022724	Solid	Dodecane, 4,6-dimethyl- *		470.000	J		
P1611-01	TR-05-022724	Solid	Heptadecane *		2,100.000	J		
P1611-01	TR-05-022724	Solid	Heptadecane, 2,6,10,15-tetramethy *		700.000	J		
P1611-01	TR-05-022724	Solid	Hexadecane *		1,200.000	J		
P1611-01	TR-05-022724	Solid	Hexadecane, 1-iodo- *		850.000	J		

Hit Summary Sheet SW-846

SDG No.: BP022824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1611-01	TR-05-022724	Solid	Naphthalene, 1,2,3,4-tetrahydro-1. *	600.000	J			
P1611-01	TR-05-022724	Solid	Naphthalene, 1,2,3,4-tetrahydro-5. *	700.000	J			
P1611-01	TR-05-022724	Solid	Naphthalene, decahydro-2-methyl *	430.000	J			
P1611-01	TR-05-022724	Solid	Nonadecane *	1,100.000	J			
P1611-01	TR-05-022724	Solid	Tetracosane *	1,000.000	J			
P1611-01	TR-05-022724	Solid	Tetradecane, 1-iodo- *	1,200.000	J			
P1611-01	TR-05-022724	Solid	Tridecane *	1,900.000	J			
P1611-01	TR-05-022724	Solid	Tritetracontane *	480.000	J			
P1611-01	TR-05-022724	Solid	Undecane, 2,6-dimethyl- *	440.000	J			
Total Tics :				17,950.00				
P1611-01	TR-05-022724	Solid	Benzo(a)anthracene	150.000	J	110	220	ug/Kg
P1611-01	TR-05-022724	Solid	Benzo(a)pyrene	130.000	J	120	220	ug/Kg
P1611-01	TR-05-022724	Solid	Benzo(b)fluoranthene	170.000	J	100	220	ug/Kg
P1611-01	TR-05-022724	Solid	Chrysene	130.000	J	110	220	ug/Kg
P1611-01	TR-05-022724	Solid	Fluoranthene	220.000		120	220	ug/Kg
P1611-01	TR-05-022724	Solid	Phenanthrene	180.000	J	120	220	ug/Kg
P1611-01	TR-05-022724	Solid	Pyrene	240.000		110	220	ug/Kg
Total Svoc :				1,220.00				
Total Concentration:				19,170.00				
Client ID : OK-02-022724								
P1612-01	OK-02-022724	Solid	n-Hexadecanoic acid *	380.000	J			
P1612-01	OK-02-022724	Solid	Tetracosane *	250.000	J			
P1612-01	OK-02-022724	Solid	Tetradecane, 2,6,10-trimethyl- *	330.000	J			
Total Tics :				960.00				
P1612-01	OK-02-022724	Solid	Benzo(b)fluoranthene	350.000	J	260	560	ug/Kg
P1612-01	OK-02-022724	Solid	Chrysene	340.000	J	290	560	ug/Kg
P1612-01	OK-02-022724	Solid	Fluoranthene	450.000	J	310	560	ug/Kg
P1612-01	OK-02-022724	Solid	Phenanthrene	300.000	J	300	560	ug/Kg
P1612-01	OK-02-022724	Solid	Pyrene	560.000		280	560	ug/Kg
Total Svoc :				2,000.00				
Total Concentration:				2,960.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP022624

SAS No.: BP022624

SDG No.: BP022624

Instrument ID: _____

Calibration Date(s): 2/26/2024 : _____

Calibration Time(s): 13:32

LAB FILE ID:		RRF2.5 = BP019876.D			RRF005 = BP019877.D		RRF010 = BP019878.D	
		RRF020 = BP019879.D			RRF040 = BP019880.D		RRF050 = BP019881.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.546	0.612	0.589	0.568	0.451	0.531	13.3
Pyridine		1.255	1.515	1.493	1.379	1.109	1.289	14.8
2-Fluorophenol		1.197	1.368	1.272	1.183	1.166	1.218	6.9
Benzaldehyde		1.038	1.223	1.141	1.017	0.970	1.036	12.8
Aniline		2.083	2.346	2.280	2.190	2.248	2.225	5.3
Phenol-d6		1.698	1.876	1.857	1.810	1.830	1.814	4.7
Phenol		1.681	1.892	1.861	1.789	1.817	1.809	5.2
bis(2-Chloroethyl)ether		1.374	1.504	1.500	1.406	1.427	1.425	5.7
2-Chlorophenol		1.251	1.351	1.350	1.321	1.314	1.314	3.5
1,2-Dichlorobenzene		1.327	1.426	1.457	1.436	1.388	1.449	8.6
1,3-Dichlorobenzene		1.427	1.438	1.484	1.436	1.408	1.427	2.6
1,4-Dichlorobenzene		1.420	1.463	1.508	1.456	1.427	1.445	2.6
Benzyl Alcohol		1.360	1.496	1.562	1.610	1.628	1.600	10.2
2-Methylphenol		1.130	1.260	1.348	1.346	1.341	1.353	12.3
2,2-oxybis(1-Chloropropane)		1.357	1.437	1.584	1.440	1.447	1.521	12.3
Acetophenone		0.538	0.564	0.660	0.574	0.702	0.621	12.6
3+4-Methylphenols			1.754	1.863	1.887	1.849	1.944	13.6
n-Nitroso-di-n-propylamine	1.096	1.203	1.341	1.425	1.401	1.359	1.370	14.8
Nitrobenzene-d5		0.457	0.462	0.536	0.478	0.566	0.495	8.2
Hexachloroethane		0.496	0.550	0.576	0.566	0.524	0.560	14.1
Nitrobenzene		0.448	0.450	0.518	0.461	0.544	0.480	7.7
Isophorone		0.829	0.844	0.921	0.864	0.862	0.862	3.4
2-Nitrophenol		0.175	0.177	0.196	0.196	0.199	0.192	5.9
2,4-Dimethylphenol		0.294	0.305	0.327	0.322	0.325	0.317	3.9
bis(2-Chloroethoxy)methane		0.481	0.481	0.506	0.486	0.469	0.481	2.6
2,4-Dichlorophenol		0.324	0.332	0.364	0.363	0.365	0.353	5.3
1,2,4-Trichlorobenzene		0.379	0.383	0.403	0.392	0.389	0.388	3.3
Benzoic acid		0.220	0.246	0.271	0.278	0.283	0.268	9.8
Naphthalene		1.053	1.055	1.118	1.079	1.070	1.071	2.3
4-Chloroaniline		0.453	0.465	0.503	0.500	0.495	0.487	4.2
Hexachlorobutadiene		0.280	0.278	0.295	0.286	0.285	0.282	4.0
Caprolactam		0.117	0.129	0.132	0.133	0.131	0.130	4.7
4-Chloro-3-methylphenol		0.406	0.422	0.448	0.448	0.441	0.436	3.7
2-Methylnaphthalene		0.814	0.811	0.861	0.842	0.825	0.831	2.6
Hexachlorocyclopentadiene		0.276	0.307	0.359	0.373	0.387	0.354	12.8
2,4,6-Trichlorophenol		0.411	0.425	0.467	0.454	0.475	0.451	5.5

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.: BP022624

SAS No.: BP022624

SDG No.: BP022624

Instrument ID: _____

Calibration Date(s): 2/26/2024 : _____

Calibration Time(s): 13:32 _____

LAB FILE ID:		RRF2.5 = BP019876.D			RRF005 = BP019877.D		RRF010 = BP019878.D	
		RRF020 = BP019879.D			RRF040 = BP019880.D		RRF050 = BP019881.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.472	1.465	1.516	1.485	1.494	1.480	2.3
2,4,5-Trichlorophenol		0.478	0.525	0.555	0.543	0.560	0.537	5.6
1,1-Biphenyl		1.401	1.402	1.482	1.439	1.441	1.432	2.1
2-Chloronaphthalene		1.081	1.090	1.143	1.115	1.133	1.112	2.1
2-Nitroaniline		0.354	0.383	0.415	0.414	0.412	0.402	6.2
Dimethylphthalate		1.601	1.643	1.671	1.652	1.624	1.633	1.8
Acenaphthylene		1.735	1.782	1.851	1.812	1.802	1.801	2.2
2,6-Dinitrotoluene		0.327	0.344	0.362	0.355	0.360	0.351	3.7
3-Nitroaniline		0.297	0.345	0.354	0.358	0.357	0.348	6.7
Acenaphthene		1.071	1.074	1.103	1.091	1.081	1.081	1.7
2,4-Dinitrophenol			0.189	0.214	0.236	0.246	0.229	10.1
4-Nitrophenol		0.206	0.258	0.285	0.294	0.289	0.272	11.6
Dibenzofuran		1.810	1.852	1.895	1.880	1.882	1.845	4.2
2,4-Dinitrotoluene		0.437	0.493	0.515	0.518	0.526	0.500	6.8
Diethylphthalate		1.581	1.666	1.718	1.662	1.643	1.613	7.8
4-Chlorophenyl-phenylether		0.857	0.858	0.880	0.872	0.898	0.856	7.7
Fluorene		1.473	1.541	1.558	1.528	1.551	1.497	7.7
4-Nitroaniline		0.309	0.359	0.384	0.389	0.387	0.362	9.7
4,6-Dinitro-2-methylphenol		0.100	0.123	0.139	0.145	0.146	0.136	13.5
n-Nitrosodiphenylamine		0.574	0.559	0.590	0.584	0.573	0.574	2.1
Azobenzene		1.499	1.569	1.627	1.560	1.513	1.502	8.9
2,4,6-Tribromophenol		0.308	0.330	0.345	0.356	0.375	0.343	9.5
4-Bromophenyl-phenylether		0.239	0.237	0.255	0.249	0.251	0.247	3.1
Hexachlorobenzene		0.258	0.253	0.269	0.269	0.275	0.267	3.6
Atrazine		0.221	0.237	0.250	0.247	0.243	0.240	4.3
Pentachlorophenol		0.161	0.177	0.200	0.207	0.211	0.197	10.4
Phenanthrene		1.048	1.040	1.109	1.085	1.069	1.068	2.7
Anthracene		1.054	1.065	1.132	1.112	1.096	1.090	3.0
Carbazole		0.890	0.949	1.011	0.990	0.983	0.965	4.3
Di-n-butylphthalate		1.128	1.231	1.289	1.255	1.201	1.207	5.4
Fluoranthene		1.271	1.358	1.439	1.438	1.425	1.385	4.9
Benzidine		0.482	0.520	0.598	0.638	0.642	0.574	10.3
Pyrene		1.534	1.331	1.392	1.355	1.337	1.374	5.6
Terphenyl-d14		1.398	1.228	1.267	1.240	1.250	1.269	4.9
Butylbenzylphthalate		0.550	0.561	0.585	0.553	0.532	0.549	3.9
3,3-Dichlorobenzidine		0.491	0.534	0.573	0.548	0.549	0.544	5.0

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.: BP022624

SAS No.: BP022624

SDG No.: BP022624

Instrument ID: _____

Calibration Date(s): 2/26/2024 : _____

Calibration Time(s): 13:32 _____

LAB FILE ID:		RRF2.5 = BP019876.D			RRF005 = BP019877.D		RRF010 = BP019878.D	
		RRF020 = BP019879.D			RRF040 = BP019880.D		RRF050 = BP019881.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.401	1.381	1.466	1.423	1.417	1.420	2.2
Chrysene		1.324	1.310	1.378	1.323	1.325	1.330	1.9
Bis(2-ethylhexyl)phthalate		0.745	0.823	0.855	0.802	0.762	0.789	5.4
Di-n-octyl phthalate		1.137	1.385	1.458	1.347	1.284	1.313	8.0
Benzo(b)fluoranthene		1.220	1.218	1.246	1.201	1.244	1.226	1.7
Benzo(k)fluoranthene		1.185	1.148	1.246	1.238	1.168	1.203	3.1
Benzo(a)pyrene		1.121	1.137	1.209	1.192	1.171	1.172	2.8
Indeno(1,2,3-cd)pyrene		1.286	1.359	1.462	1.449	1.408	1.408	4.6
Dibenzo(a,h)anthracene		1.082	1.136	1.232	1.212	1.184	1.184	4.7
Benzo(g,h,i)perylene		1.052	1.099	1.191	1.180	1.142	1.143	4.4
1,2,4,5-Tetrachlorobenzene		0.645	0.663	0.703	0.687	0.711	0.683	4.0
1,4-Dioxane		0.456	0.456	0.444	0.421	0.329	0.421	12.7
2,3,4,6-Tetrachlorophenol		0.459	0.477	0.514	0.509	0.526	0.493	7.3
1-Methylnaphthalene		0.777	0.772	0.809	0.790	0.773	0.787	2.1

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BP022824 SAS No.: BP022824 SDG NO.: BP022824EPA Sample No.: SSTDICCC040 Date Analyzed: Feb 28 2024 12:00AMLab File ID: BP019880.D Time Analyzed: 10:50Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	75105	7.899	323052	10.70	252828	14.55
	UPPER LIMIT	150210	8.399	646104	11.204	505656	15.045
	LOWER LIMIT	37552.5	7.399	161526	10.204	126414	14.045
	EPA SAMPLE NO.						
01	PB159054BL	96110	7.91	365146	10.70	378525	14.55
02	PB159054BS	95201	7.90	396293	10.70	294151	14.55
03	PB159054BSD	84843	7.90	361805	10.70	267171	14.55
04	PB159321BL	73568	7.91	283327	10.70	211074	14.55
05	PB159321BS	76488	7.90	455961	10.71	253303	14.55
06	20241097-COMPOSITE-35N-N-4-02	60314	7.89	201577	10.69	118288 *	14.53
07	20240766-AMENDED-COMP-39N-N-3-	99486	7.89	362489	10.69	229664	14.53
08	AU-06-02232024	96268	7.89	344417	10.69	227674	14.53
09	WC-2	92796	7.89	320435	10.69	182368	14.53
10	WC-3	100587	7.89	387414	10.69	268010	14.53
11	WC-3MS	90441	7.89	288580	10.69	163147	14.53
12	WC-3MSD	91135	7.89	308707	10.69	170139	14.53
13	WC-4	105985	7.89	386375	10.69	232441	14.53
14	3	121248	7.89	429664	10.69	243786	14.53
15	TR-05-022724	131820	7.89	467191	10.69	263444	14.54
16	OK-02-022724	91493	7.89	359088	10.69	248375	14.54
17	SU-02-02272024	117019	7.89	455574	10.70	312598	14.54
18	SU-02-02272024MS	112170	7.89	433762	10.70	294522	14.55
19	SU-02-02272024MSD	115834	7.90	459031	10.70	310646	14.55
20	WC-1	123157	7.90	462816	10.70	292179	14.55

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH
 Lab Code: CHEM Case No.: BP022824 SAS No.: BP022824 SDG NO.: BP022824
 EPA Sample No.: SSTDICCC040 Date Analyzed: Feb 28 2024 12:00AM
 Lab File ID: BP019880.D Time Analyzed: 21:43
 Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	75105	7.899	323052	10.70	252828	14.55
UPPER LIMIT	150210	8.399	646104	11.204	505656	15.045
LOWER LIMIT	37552.5	7.399	161526	10.204	126414	14.045
EPA SAMPLE NO.						

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BP022824 SAS No.: BP022824 SDG NO.: BP022824EPA Sample No.: SSTDCCC040 Date Analyzed: Feb 28 2024 12:00AMLab File ID: BP019908.D Time Analyzed: 10:50Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	84469	7.899	382882	10.71	271207	14.55
	UPPER LIMIT	168938	8.399	765764	11.205	542414	15.046
	LOWER LIMIT	42234.5	7.399	191441	10.205	135603.5	14.046
	EPA SAMPLE NO.						
01	PB159054BL	96110	7.91	365146	10.70	378525	14.55
02	PB159054BS	95201	7.90	396293	10.70	294151	14.55
03	PB159054BSD	84843	7.90	361805	10.70	267171	14.55
04	PB159321BL	73568	7.91	283327	10.70	211074	14.55
05	PB159321BS	76488	7.90	455961	10.71	253303	14.55
06	20241097-COMPOSITE-35N-N-4-02	60314	7.89	201577	10.69	118288 *	14.53
07	20240766-AMENDED-COMP-39N-N-3-	99486	7.89	362489	10.69	229664	14.53
08	AU-06-02232024	96268	7.89	344417	10.69	227674	14.53
09	WC-2	92796	7.89	320435	10.69	182368	14.53
10	WC-3	100587	7.89	387414	10.69	268010	14.53
11	WC-3MS	90441	7.89	288580	10.69	163147	14.53
12	WC-3MSD	91135	7.89	308707	10.69	170139	14.53
13	WC-4	105985	7.89	386375	10.69	232441	14.53
14	3	121248	7.89	429664	10.69	243786	14.53
15	TR-05-022724	131820	7.89	467191	10.69	263444	14.54
16	OK-02-022724	91493	7.89	359088	10.69	248375	14.54
17	SU-02-02272024	117019	7.89	455574	10.70	312598	14.54
18	SU-02-02272024MS	112170	7.89	433762	10.70	294522	14.55
19	SU-02-02272024MSD	115834	7.90	459031	10.70	310646	14.55
20	WC-1	123157	7.90	462816	10.70	292179	14.55

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP022824 SAS No.: BP022824 SDG NO.: BP022824

EPA Sample No.: SSTDCCC040 Date Analyzed: Feb 28 2024 12:00AM

Lab File ID: BP019908.D Time Analyzed: 21:43

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	84469	7.899	382882	10.71	271207	14.55
UPPER LIMIT	168938	8.399	765764	11.205	542414	15.046
LOWER LIMIT	42234.5	7.399	191441	10.205	135603.5	14.046
EPA SAMPLE NO.						

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP022824 SAS No.: BP022824 SDG NO.: BP022824

EPA Sample No.: SSTDICCC040

Date Analyzed: Feb 28 2024 12:00AM

Lab File ID: BP019880.D

Time Analyzed: 10:50

Instrument ID: BNA_P

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	597743	17.304	649106	21.41	719602	23.833
	UPPER LIMIT	1195486	17.804	1298212	21.91	1439204	24.333
	LOWER LIMIT	298871.5	16.804	324553	20.91	359801	23.333
	EPA SAMPLE NO.						
01	PB159054BL	956316	17.30	883534	21.40	852488	23.83
02	PB159054BS	715664	17.31	717576	21.41	769013	23.83
03	PB159054BSD	659610	17.30	631722	21.41	611127	23.83
04	PB159321BL	559411	17.30	601791	21.40	632230	23.83
05	PB159321BS	620271	17.31	603306	21.41	591490	23.83
06	20241097-COMPOSITE-35N-N-4	234150 *	17.30	275796 *	21.40	386924	23.82
07	20240766-AMENDED-COMP-39N-1	459271	17.29	477659	21.40	630252	23.82
08	AU-06-02232024	522990	17.29	545871	21.40	614583	23.82
09	WC-2	387455	17.30	476407	21.41	547545	23.83
10	WC-3	575791	17.30	488829	21.40	523564	23.83
11	WC-3MS	303163	17.30	342780	21.40	473841	23.83
12	WC-3MSD	307207	17.30	344293	21.40	467218	23.83
13	WC-4	433964	17.30	458597	21.41	543656	23.84
14	3	470125	17.30	506025	21.40	588489	23.83
15	TR-05-022724	482401	17.30	455925	21.40	476336	23.83
16	OK-02-022724	507276	17.30	372050	21.40	411896	23.84
17	SU-02-02272024	605719	17.30	432974	21.41	497470	23.85
18	SU-02-02272024MS	546239	17.31	444552	21.42	512469	23.85
19	SU-02-02272024MSD	569467	17.31	466550	21.42	544996	23.86
20	WC-1	529618	17.31	460163	21.42	555323	23.86

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP022824 SAS No.: BP022824 SDG NO.: BP022824

EPA Sample No.: SSTDICCC040 Date Analyzed: Feb 28 2024 12:00AM

Lab File ID: BP019880.D Time Analyzed: 21:43

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	597743	17.304	649106	21.41	719602	23.833
UPPER LIMIT	1195486	17.804	1298212	21.91	1439204	24.333
LOWER LIMIT	298871.5	16.804	324553	20.91	359801	23.333
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP022824 SAS No.: BP022824 SDG NO.: BP022824

EPA Sample No.: SSTDCCC040 Date Analyzed: Feb 28 2024 12:00AM

Lab File ID: BP019908.D Time Analyzed: 10:50

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	643171	17.304	664302	21.404	697383	23.827
UPPER LIMIT	1286342	17.804	1328604	21.904	1394766	24.327
LOWER LIMIT	321585.5	16.804	332151	20.904	348691.5	23.327
EPA SAMPLE NO.						
01 PB159054BL	956316	17.30	883534	21.40	852488	23.83
02 PB159054BS	715664	17.31	717576	21.41	769013	23.83
03 PB159054BSD	659610	17.30	631722	21.41	611127	23.83
04 PB159321BL	559411	17.30	601791	21.40	632230	23.83
05 PB159321BS	620271	17.31	603306	21.41	591490	23.83
06 20241097-COMPOSITE-35N-N-4	234150 *	17.30	275796 *	21.40	386924	23.82
07 20240766-AMENDED-COMP-39N-1	459271	17.29	477659	21.40	630252	23.82
08 AU-06-02232024	522990	17.29	545871	21.40	614583	23.82
09 WC-2	387455	17.30	476407	21.41	547545	23.83
10 WC-3	575791	17.30	488829	21.40	523564	23.83
11 WC-3MS	303163 *	17.30	342780	21.40	473841	23.83
12 WC-3MSD	307207 *	17.30	344293	21.40	467218	23.83
13 WC-4	433964	17.30	458597	21.41	543656	23.84
14 3	470125	17.30	506025	21.40	588489	23.83
15 TR-05-022724	482401	17.30	455925	21.40	476336	23.83
16 OK-02-022724	507276	17.30	372050	21.40	411896	23.84
17 SU-02-02272024	605719	17.30	432974	21.41	497470	23.85
18 SU-02-02272024MS	546239	17.31	444552	21.42	512469	23.85
19 SU-02-02272024MSD	569467	17.31	466550	21.42	544996	23.86
20 WC-1	529618	17.31	460163	21.42	555323	23.86

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP022824 SAS No.: BP022824 SDG NO.: BP022824

EPA Sample No.: SSTDCCC040 Date Analyzed: Feb 28 2024 12:00AM

Lab File ID: BP019908.D Time Analyzed: 21:43

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	643171	17.304	664302	21.404	697383	23.827
UPPER LIMIT	1286342	17.804	1328604	21.904	1394766	24.327
LOWER LIMIT	321585.5	16.804	332151	20.904	348691.5	23.327
EPA SAMPLE NO.						

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.: BP022824

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB159054BS	n-Nitrosodimethylamine	50	44.4	ug/L	89				55	108		
	Pyridine	50	30.9	ug/L	62				29	97		
	Benzaldehyde	50	11.5	ug/L	23				15	121		
	Aniline	50	24.8	ug/L	50				10	130		
	Phenol	50	48.9	ug/L	98				66	118		
	bis(2-Chloroethyl)ether	50	43.6	ug/L	87				62	103		
	2-Chlorophenol	50	49.2	ug/L	98				70	117		
	1,2-Dichlorobenzene	50	44.6	ug/L	89				72	102		
	1,3-Dichlorobenzene	50	45.2	ug/L	90				71	103		
	1,4-Dichlorobenzene	50	46.1	ug/L	92				76	103		
	Benzyl Alcohol	50	44.7	ug/L	89				36	93		
	2-Methylphenol	50	43.8	ug/L	88				69	109		
	2,2-oxybis(1-Chloropropane)	50	41.2	ug/L	82				52	103		
	Acetophenone	50	40.1	ug/L	80				60	104		
	3+4-Methylphenols	50	42.2	ug/L	84				67	106		
	N-Nitroso-di-n-propylamine	50	40.5	ug/L	81				57	107		
	Hexachloroethane	50	45.3	ug/L	91				76	118		
	Nitrobenzene	50	41.9	ug/L	84				58	106		
	Isophorone	50	42.3	ug/L	85				61	102		
	2-Nitrophenol	50	45.8	ug/L	92				70	115		
	2,4-Dimethylphenol	50	40.7	ug/L	81				67	130		
	bis(2-Chloroethoxy)methane	50	43.4	ug/L	87				58	109		
	2,4-Dichlorophenol	50	49.8	ug/L	100				66	115		
	1,2,4-Trichlorobenzene	50	45.7	ug/L	91				41	115		
	Benzoic acid	50	49.1	ug/L	98				10	125		
	Naphthalene	50	43.6	ug/L	87				64	107		
	4-Chloroaniline	50	19.8	ug/L	40				10	85		
	Hexachlorobutadiene	50	44	ug/L	88				69	101		
	Caprolactam	50	43.2	ug/L	86				58	128		
	4-Chloro-3-methylphenol	50	46.6	ug/L	93				65	114		
	2-Methylnaphthalene	50	41.7	ug/L	83				64	107		
	Hexachlorocyclopentadiene	100	100	ug/L	100				36	160		
	2,4,6-Trichlorophenol	50	49.3	ug/L	99				61	110		
	2,4,5-Trichlorophenol	50	46	ug/L	92				70	106		
	1,1-Biphenyl	50	46.3	ug/L	93				72	98		
	2-Chloronaphthalene	50	47.9	ug/L	96				59	106		
	2-Nitroaniline	50	47.5	ug/L	95				58	107		
	Dimethylphthalate	50	44.6	ug/L	89				64	103		
	Acenaphthylene	50	48.2	ug/L	96				65	108		
	2,6-Dinitrotoluene	50	45.4	ug/L	91				64	110		
	3-Nitroaniline	50	29.2	ug/L	58				28	100		
	Acenaphthene	50	45.3	ug/L	91				59	113		
	Total PAH	800	729.8	ug/L	91				59	113		
	2,4-Dinitrophenol	100	99.9	ug/L	100				64	132		
	4-Nitrophenol	100	100	ug/L	100				68	116		
	Dibenzofuran	50	46.3	ug/L	93				65	106		



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

SDG No.: BP022824

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB159054BS	2,4-Dinitrotoluene	50	46.1	ug/L	92				60	115		
	2,4-Dinitrotoluene/2,6-Dinitro	100	91.5	ug/L	92				60	115		
	Diethylphthalate	50	45.5	ug/L	91				63	105		
	4-Chlorophenyl-phenylether	50	46.1	ug/L	92				61	104		
	Fluorene	50	46.8	ug/L	94				64	107		
	4-Nitroaniline	50	44.3	ug/L	89				69	112		
	4,6-Dinitro-2-methylphenol	50	46.2	ug/L	92				62	132		
	N-Nitrosodiphenylamine	50	44.3	ug/L	89				61	109		
	Azobenzene	50	47.4	ug/L	95				59	106		
	4-Bromophenyl-phenylether	50	43.4	ug/L	87				73	103		
	Hexachlorobenzene	50	46.6	ug/L	93				73	106		
	Atrazine	50	40.4	ug/L	81				76	120		
	Pentachlorophenol	100	88.8	ug/L	89				47	114		
	Phenanthrene	50	44.4	ug/L	89				62	109		
	Anthracene	50	44	ug/L	88				65	110		
	Carbazole	50	45.3	ug/L	91				62	106		
	Di-n-butylphthalate	50	43.3	ug/L	87				64	106		
	Fluoranthene	50	43.4	ug/L	87				64	110		
	Benzidine	100	34.6	ug/L	35				10	94		
	Pyrene	50	44.9	ug/L	90				71	103		
	Butylbenzylphthalate	50	43.3	ug/L	87				61	105		
	3,3-Dichlorobenzidine	50	36	ug/L	72				43	108		
	Benzo(a)anthracene	50	45.1	ug/L	90				62	107		
	Chrysene	50	44.2	ug/L	88				61	108		
	bis(2-Ethylhexyl)phthalate	50	43.4	ug/L	87				59	110		
	Di-n-octyl phthalate	50	44.8	ug/L	90				67	126		
	Benzo(b)fluoranthene	50	49.6	ug/L	99				77	113		
	Benzo(k)fluoranthene	50	46.2	ug/L	92				64	113		
	Benzo(a)pyrene	50	45.2	ug/L	90				72	131		
	Indeno(1,2,3-cd)pyrene	50	47.1	ug/L	94				72	105		
	Dibenz(a,h)anthracene	50	46.6	ug/L	93				78	115		
	Benzo(g,h,i)perylene	50	45.2	ug/L	90				75	118		
	1,2,4,5-Tetrachlorobenzene	50	47.6	ug/L	95				72	101		
	1,4-Dioxane	50	33	ug/L	66				38	125		
	2,3,4,6-Tetrachlorophenol	50	48.2	ug/L	96				63	116		
	1-Methylnaphthalene	50	42.5	ug/L	85				51	114		
PB159054BSD	n-Nitrosodimethylamine	50	46.6	ug/L	93	5			55	108	20	
	Pyridine	50	33.2	ug/L	66	7			29	97	20	
	Benzaldehyde	50	12.3	ug/L	25	7			15	121	20	
	Aniline	50	25.3	ug/L	51	2			10	130	20	
	Phenol	50	48.6	ug/L	97	1			66	118	20	
	bis(2-Chloroethyl)ether	50	41.9	ug/L	84	4			62	103	20	
	2-Chlorophenol	50	48.5	ug/L	97	1			70	117	20	
	1,2-Dichlorobenzene	50	44.4	ug/L	89	0			72	102	20	
	1,3-Dichlorobenzene	50	44.8	ug/L	90	1			71	103	20	
	1,4-Dichlorobenzene	50	45.6	ug/L	91	1			76	103	20	



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

SDG No.: BP022824

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB159054BSD	Benzyl Alcohol	50	44.6	ug/L	89	0			36	93	20
	2-Methylphenol	50	43.3	ug/L	87	1			69	109	20
	2,2-oxybis(1-Chloropropane)	50	40.1	ug/L	80	3			52	103	20
	Acetophenone	50	38.8	ug/L	78	3			60	104	20
	3+4-Methylphenols	50	41.6	ug/L	83	1			67	106	20
	N-Nitroso-di-n-propylamine	50	39.8	ug/L	80	2			57	107	20
	Hexachloroethane	50	44.8	ug/L	90	1			76	118	20
	Nitrobenzene	50	40.4	ug/L	81	4			58	106	20
	Isophorone	50	40.8	ug/L	82	4			61	102	20
	2-Nitrophenol	50	44.3	ug/L	89	3			70	115	20
	2,4-Dimethylphenol	50	38.8	ug/L	78	5			67	130	20
	bis(2-Chloroethoxy)methane	50	41.2	ug/L	82	5			58	109	20
	2,4-Dichlorophenol	50	47.7	ug/L	95	4			66	115	20
	1,2,4-Trichlorobenzene	50	44	ug/L	88	4			41	115	20
	Benzoic acid	50	46	ug/L	92	7			10	125	20
	Naphthalene	50	42.4	ug/L	85	3			64	107	20
	4-Chloroaniline	50	18.6	ug/L	37	6			10	85	20
	Hexachlorobutadiene	50	41.9	ug/L	84	5			69	101	20
	Caprolactam	50	42.9	ug/L	86	1			58	128	20
	4-Chloro-3-methylphenol	50	45.4	ug/L	91	3			65	114	20
	2-Methylnaphthalene	50	40.6	ug/L	81	3			64	107	20
	Hexachlorocyclopentadiene	100	96.4	ug/L	96	4			36	160	20
	2,4,6-Trichlorophenol	50	48.3	ug/L	97	2			61	110	20
	2,4,5-Trichlorophenol	50	45	ug/L	90	2			70	106	20
	1,1-Biphenyl	50	45.1	ug/L	90	3			72	98	20
	2-Chloronaphthalene	50	46.4	ug/L	93	3			59	106	20
	2-Nitroaniline	50	46.1	ug/L	92	3			58	107	20
	Dimethylphthalate	50	43.5	ug/L	87	2			64	103	20
	Acenaphthylene	50	47.4	ug/L	95	2			65	108	20
	2,6-Dinitrotoluene	50	44.8	ug/L	90	1			64	110	20
	3-Nitroaniline	50	29.3	ug/L	59	0			28	100	20
	Acenaphthene	50	44.2	ug/L	88	2			59	113	20
	Total PAH	800	713	ug/L	89	2			59	113	20
	2,4-Dinitrophenol	100	100	ug/L	100	0			64	132	20
	4-Nitrophenol	100	100	ug/L	100	0			68	116	20
	Dibenzofuran	50	45.4	ug/L	91	2			65	106	20
	2,4-Dinitrotoluene	50	46.3	ug/L	93	0			60	115	20
	2,4-Dinitrotoluene/2,6-Dinitrotrc	100	91.1	ug/L	91	0			60	115	20
	Diethylphthalate	50	44.4	ug/L	89	2			63	105	20
	4-Chlorophenyl-phenylether	50	44.8	ug/L	90	3			61	104	20
	Fluorene	50	45.8	ug/L	92	2			64	107	20
	4-Nitroaniline	50	44.3	ug/L	89	0			69	112	20
	4,6-Dinitro-2-methylphenol	50	45.6	ug/L	91	1			62	132	20
	N-Nitrosodiphenylamine	50	43.1	ug/L	86	3			61	109	20
	Azobenzene	50	46	ug/L	92	3			59	106	20
	4-Bromophenyl-phenylether	50	42.6	ug/L	85	2			73	103	20



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

SDG No.: BP022824

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB159054BSD	Hexachlorobenzene	50	45.7	ug/L	91	2			73	106	20
	Atrazine	50	39	ug/L	78	4			76	120	20
	Pentachlorophenol	100	87.4	ug/L	87	2			47	114	20
	Phenanthrene	50	42.9	ug/L	86	3			62	109	20
	Anthracene	50	42.8	ug/L	86	3			65	110	20
	Carbazole	50	43.8	ug/L	88	3			62	106	20
	Di-n-butylphthalate	50	41.6	ug/L	83	4			64	106	20
	Fluoranthene	50	42.3	ug/L	85	3			64	110	20
	Benzidine	100	31.5	ug/L	32	9			10	94	20
	Pyrene	50	45.8	ug/L	92	2			71	103	20
	Butylbenzylphthalate	50	43.2	ug/L	86	0			61	105	20
	3,3-Dichlorobenzidine	50	34.1	ug/L	68	5			43	108	20
	Benzo(a)anthracene	50	44.9	ug/L	90	0			62	107	20
	Chrysene	50	44	ug/L	88	0			61	108	20
	bis(2-Ethylhexyl)phthalate	50	41.7	ug/L	83	4			59	110	20
	Di-n-octyl phthalate	50	41.6	ug/L	83	7			67	126	20
	Benzo(b)fluoranthene	50	49.8	ug/L	100	0			77	113	20
	Benzo(k)fluoranthene	50	49.1	ug/L	98	6			64	113	20
	Benzo(a)pyrene	50	44.5	ug/L	89	2			72	131	20
	Indeno(1,2,3-cd)pyrene	50	43.2	ug/L	86	9			72	105	20
	Dibenz(a,h)anthracene	50	42.7	ug/L	85	9			78	115	20
	Benzo(g,h,i)perylene	50	41.2	ug/L	82	9			75	118	20
	1,2,4,5-Tetrachlorobenzene	50	46	ug/L	92	3			72	101	20
	1,4-Dioxane	50	34	ug/L	68	3			38	125	20
	2,3,4,6-Tetrachlorophenol	50	47.1	ug/L	94	2			63	116	20
	1-Methylnaphthalene	50	40.9	ug/L	82	4			51	114	20



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

SDG No.: BP022824

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159321BS	n-Nitrosodimethylamine	1700	1500	ug/Kg	88				57	103	
	Pyridine	1700	1000	ug/Kg	59				28	98	
	Benzaldehyde	1700	410	ug/Kg	24				10	147	
	Aniline	1700	850	ug/Kg	50				38	100	
	Phenol	1700	1700	ug/Kg	100				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1700	ug/Kg	100				65	112	
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88				51	102	
	1,3-Dichlorobenzene	1700	1600	ug/Kg	94				52	99	
	1,4-Dichlorobenzene	1700	1600	ug/Kg	94				52	100	
	Benzyl Alcohol	1700	1500	ug/Kg	88				42	116	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1000	ug/Kg	59				55	104	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	2000	ug/Kg	118		*		72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1400	ug/Kg	82				67	119	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				53	105	
	2,4-Dichlorophenol	1700	1700	ug/Kg	100				62	107	
	1,2,4-Trichlorobenzene	1700	1500	ug/Kg	88				44	110	
	Benzoic acid	1700	1700	ug/Kg	100				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	680	ug/Kg	40				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1200	ug/Kg	71				67	110	
	4-Chloro-3-methylphenol	1700	1300	ug/Kg	76				58	112	
	2-Methylnaphthalene	1700	1200	ug/Kg	71				60	104	
	Hexachlorocyclopentadiene	3300	3300	ug/Kg	100				45	134	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104	
	3-Nitroaniline	1700	1000	ug/Kg	59				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Total PAH	27200	24900	ug/Kg	92				57	104	
	2,4-Dinitrophenol	3300	3500	ug/Kg	106				37	128	
	4-Nitrophenol	3300	3400	ug/Kg	103				48	119	
	Dibenzofuran	1700	1600	ug/Kg	94				63	99	



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

SDG No.: BP022824

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB159321BS	2,4-Dinitrotoluene/2,6-Dinitrotoluene	3400	3200	ug/Kg	94				60	106	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	Diethylphthalate	1700	1600	ug/Kg	94				60	101	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				58	98	
	Fluorene	1700	1600	ug/Kg	94				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				56	107	
	Azobenzene	1700	1600	ug/Kg	94				54	103	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				55	99	
	Hexachlorobenzene	1700	1700	ug/Kg	100		*		64	98	
	Atrazine	1700	1400	ug/Kg	82				67	113	
	Pentachlorophenol	3300	3200	ug/Kg	97				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	1400	ug/Kg	82				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Benzidine	3300	780	ug/Kg	24				10	98	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1400	ug/Kg	82				55	103	
	3,3-Dichlorobenzidine	1700	1200	ug/Kg	71				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	1400	ug/Kg	82				63	111	
	Di-n-octyl phthalate	1700	1400	ug/Kg	82				70	108	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(k)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1700	ug/Kg	100				59	108	
	1-Methylnaphthalene	1700	1100	ug/Kg	65		*		70	130	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159054BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP022824SAS No.: BP022824 SDG NO.: BP022824Lab File ID: BP019909.DLab Sample ID: PB159054BLInstrument ID: BNA_PDate Extracted: 02/15/2024Matrix: (soil/water) WaterDate Analyzed: 02/28/2024Level: (low/med) LOWTime Analyzed: 10:50

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159054BS	PB159054BS	BP019910.D	02/28/2024
PB159054BSD	PB159054BSD	BP019911.D	02/28/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

20240766-AMENDED-CO

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP022824SAS No.: BP022824 SDG NO.: BP022824Lab File ID: BP019915.DLab Sample ID: P1523-06Instrument ID: BNA_PDate Extracted: 02/20/2024Matrix: (soil/water) SolidDate Analyzed: 02/28/2024Level: (low/med) LOWTime Analyzed: 14:21

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
20240766-AMENDED-COMP-39N-N-3-01	P1523-06	BP019915.D	02/28/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

3

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP022824SAS No.: BP022824 SDG NO.: BP022824Lab File ID: BP019922.DLab Sample ID: P1537-03Instrument ID: BNA_PDate Extracted: 02/21/2024Matrix: (soil/water) SolidDate Analyzed: 02/28/2024Level: (low/med) LOWTime Analyzed: 18:19

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
3	P1537-03	BP019922.D	02/28/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

20241097-COMPOSITE-

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP022824SAS No.: BP022824 SDG NO.: BP022824Lab File ID: BP019914.DLab Sample ID: P1538-02Instrument ID: BNA_PDate Extracted: 02/22/2024Matrix: (soil/water) SolidDate Analyzed: 02/28/2024Level: (low/med) LOWTime Analyzed: 13:48

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
20241097-COMPOSITE-35N-N-4-02	P1538-02	BP019914.D	02/28/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

AU-06-02232024

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP022824SAS No.: BP022824 SDG NO.: BP022824Lab File ID: BP019916.DLab Sample ID: P1584-01Instrument ID: BNA_PDate Extracted: 02/26/2024Matrix: (soil/water) SolidDate Analyzed: 02/28/2024Level: (low/med) LOWTime Analyzed: 14:55

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
AU-06-02232024	P1584-01	BP019916.D	02/28/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159321BL

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BP022824

SAS No.: BP022824 SDG NO.: BP022824

Lab File ID: BP019912.D

Lab Sample ID: PB159321BL

Instrument ID: BNA_P

Date Extracted: 02/27/2024

Matrix: (soil/water) Solid

Date Analyzed: 02/28/2024

Level: (low/med) LOW

Time Analyzed: 12:32

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159321BS	PB159321BS	BP019913.D	02/28/2024
WC-2	P1602-04	BP019917.D	02/28/2024
WC-3	P1602-07	BP019918.D	02/28/2024
WC-3MS	P1602-07MS	BP019919.D	02/28/2024
WC-3MSD	P1602-07MSD	BP019920.D	02/28/2024
WC-4	P1602-10	BP019921.D	02/28/2024
WC-1	P1602-01	BP019928.D	02/28/2024

COMMENTS:



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

TR-05-022724

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP022824SAS No.: BP022824 SDG NO.: BP022824Lab File ID: BP019923.DLab Sample ID: P1611-01Instrument ID: BNA_PDate Extracted: 02/28/2024Matrix: (soil/water) SolidDate Analyzed: 02/28/2024Level: (low/med) LOWTime Analyzed: 18:53

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TR-05-022724	P1611-01	BP019923.D	02/28/2024
OK-02-022724	P1612-01	BP019924.D	02/28/2024
SU-02-02272024	P1610-01	BP019925.D	02/28/2024
SU-02-02272024MS	P1610-01MS	BP019926.D	02/28/2024
SU-02-02272024MSD	P1610-01MSD	BP019927.D	02/28/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: **BP022824**

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	High	RPD
Lab Sample ID: P1610-01MS		Client Sample ID: SU-02-02272024MS						DataFile: BP019926.D			
n-Nitrosodimethylamine	1000		720	ug/Kg	72				66	124	
Pyridine	1000		530	ug/Kg	53				45	119	
Benzaldehyde	1000		140	ug/Kg	14	*			26	163	
Aniline	1000		460	ug/Kg	46				10	88	
Phenol	1000		780	ug/Kg	78				67	126	
bis(2-Chloroethyl)ether	1000		700	ug/Kg	70	*			74	116	
2-Chlorophenol	1000		830	ug/Kg	83				61	138	
1,2-Dichlorobenzene	1000		820	ug/Kg	82				61	105	
1,3-Dichlorobenzene	1000		840	ug/Kg	84				62	101	
1,4-Dichlorobenzene	1000		850	ug/Kg	85				63	104	
Benzyl Alcohol	1000		700	ug/Kg	70				47	126	
2-Methylphenol	1000		700	ug/Kg	70				66	122	
2,2-oxybis(1-Chloropropane)	1000		660	ug/Kg	66				52	115	
Acetophenone	1000		720	ug/Kg	72	*			75	111	
3+4-Methylphenols	1000		660	ug/Kg	66				53	132	
N-Nitroso-di-n-propylamine	1000		630	ug/Kg	63				59	119	
Hexachloroethane	1000		540	ug/Kg	54	*			65	117	
Nitrobenzene	1000		720	ug/Kg	72				70	119	
Isophorone	1000		720	ug/Kg	72	*			76	122	
2-Nitrophenol	1000		690	ug/Kg	69				54	145	
2,4-Dimethylphenol	1000		680	ug/Kg	68	*			83	144	
bis(2-Chloroethoxy)methane	1000		720	ug/Kg	72				68	112	
2,4-Dichlorophenol	1000		870	ug/Kg	87				72	118	
1,2,4-Trichlorobenzene	1000		900	ug/Kg	90				57	103	
Benzoic acid	1000		770	ug/Kg	77				50	104	
Naphthalene	1000		820	ug/Kg	82				72	110	
4-Chloroaniline	1000		450	ug/Kg	45				10	100	
Hexachlorobutadiene	1000		880	ug/Kg	88				66	114	
Caprolactam	1000		680	ug/Kg	68				51	134	
4-Chloro-3-methylphenol	1000		760	ug/Kg	76				57	132	
2-Methylnaphthalene	1000		760	ug/Kg	76				59	123	
Hexachlorocyclopentadiene	2000		0	ug/Kg	0	*			10	175	
2,4,6-Trichlorophenol	1000		920	ug/Kg	92				72	117	
2,4,5-Trichlorophenol	1000		830	ug/Kg	83				72	117	
1,1-Biphenyl	1000		880	ug/Kg	88				75	113	
2-Chloronaphthalene	1000		920	ug/Kg	92				67	118	
2-Nitroaniline	1000		830	ug/Kg	83				69	127	
Dimethylphthalate	1000		760	ug/Kg	76				70	113	
Acenaphthylene	1000		870	ug/Kg	87				79	118	
2,6-Dinitrotoluene	1000		730	ug/Kg	73				70	125	
3-Nitroaniline	1000		730	ug/Kg	73				20	111	
Acenaphthene	1000		820	ug/Kg	82				70	121	
Total PAH	16000		13390	ug/Kg	84				70	121	
2,4-Dinitrophenol	2000		130	ug/Kg	7	*			16	160	
4-Nitrophenol	2000		1500	ug/Kg	75				45	133	
Dibenzofuran	1000		830	ug/Kg	83				72	110	
2,4-Dinitrotoluene/2,6-Dinitrotol	2000		1420	ug/Kg	71				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BP022824

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene	1000		690	ug/Kg	69				55	128	
Diethylphthalate	1000		760	ug/Kg	76				70	112	
4-Chlorophenyl-phenylether	1000		810	ug/Kg	81				71	108	
Fluorene	1000		790	ug/Kg	79				68	116	
4-Nitroaniline	1000		730	ug/Kg	73				55	120	
4,6-Dinitro-2-methylphenol	1000		94.3	ug/Kg	9	*			32	145	
N-Nitrosodiphenylamine	1000		960	ug/Kg	96				73	118	
Azobenzene	1000		730	ug/Kg	73				73	110	
4-Bromophenyl-phenylether	1000		960	ug/Kg	96				65	121	
Hexachlorobenzene	1000		980	ug/Kg	98				67	118	
Atrazine	1000		820	ug/Kg	82				79	127	
Pentachlorophenol	2000		1600	ug/Kg	80				47	128	
Phenanthrene	1000		850	ug/Kg	85				72	113	
Anthracene	1000		830	ug/Kg	83				62	124	
Carbazole	1000		780	ug/Kg	78				59	119	
Di-n-butylphthalate	1000		800	ug/Kg	80				69	118	
Fluoranthene	1000		700	ug/Kg	70				59	125	
Benzidine	2000		830	ug/Kg	42				10	119	
Pyrene	1000		880	ug/Kg	88				52	128	
Butylbenzylphthalate	1000		790	ug/Kg	79				64	126	
3,3-Dichlorobenzidine	1000		750	ug/Kg	75				10	164	
Benzo(a)anthracene	1000		860	ug/Kg	86				71	114	
Chrysene	1000		840	ug/Kg	84				57	121	
bis(2-Ethylhexyl)phthalate	1000		790	ug/Kg	79				66	127	
Di-n-octyl phthalate	1000		810	ug/Kg	81				71	126	
Benzo(b)fluoranthene	1000		870	ug/Kg	87				67	121	
Benzo(k)fluoranthene	1000		830	ug/Kg	83				74	114	
Benzo(a)pyrene	1000		820	ug/Kg	82				70	142	
Indeno(1,2,3-cd)pyrene	1000		890	ug/Kg	89				61	125	
Dibenz(a,h)anthracene	1000		870	ug/Kg	87				67	130	
Benzo(g,h,i)perylene	1000		850	ug/Kg	85				53	140	
1,2,4,5-Tetrachlorobenzene	1000		980	ug/Kg	98				69	124	
1,4-Dioxane	1000		590	ug/Kg	59				46	112	
2,3,4,6-Tetrachlorophenol	1000		810	ug/Kg	81				56	133	
1-Methylnaphthalene	1000		760	ug/Kg	76				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BP022824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P1610-01MSD	Client Sample ID:	SU-02-02272024MSD					DataFile:	BP019927.D		
n-Nitrosodimethylamine	1000		740	ug/Kg	74		3		66	124	20
Pyridine	1000		530	ug/Kg	53		0		45	119	20
Benzaldehyde	1000		150	ug/Kg	15	*	7		26	163	20
Aniline	1000		470	ug/Kg	47		2		10	88	20
Phenol	1000		790	ug/Kg	79		1		67	126	20
bis(2-Chloroethyl)ether	1000		750	ug/Kg	75		7		74	116	20
2-Chlorophenol	1000		850	ug/Kg	85		2		61	138	20
1,2-Dichlorobenzene	1000		850	ug/Kg	85		4		61	105	20
1,3-Dichlorobenzene	1000		870	ug/Kg	87		4		62	101	20
1,4-Dichlorobenzene	1000		880	ug/Kg	88		3		63	104	20
Benzyl Alcohol	1000		710	ug/Kg	71		1		47	126	20
2-Methylphenol	1000		720	ug/Kg	72		3		66	122	20
2,2-oxybis(1-Chloropropane)	1000		680	ug/Kg	68		3		52	115	20
Acetophenone	1000		730	ug/Kg	73	*	1		75	111	20
3+4-Methylphenols	1000		680	ug/Kg	68		3		53	132	20
N-Nitroso-di-n-propylamine	1000		650	ug/Kg	65		3		59	119	20
Hexachloroethane	1000		490	ug/Kg	49	*	10		65	117	20
Nitrobenzene	1000		730	ug/Kg	73		1		70	119	20
Isophorone	1000		730	ug/Kg	73	*	1		76	122	20
2-Nitrophenol	1000		620	ug/Kg	62		11		54	145	20
2,4-Dimethylphenol	1000		700	ug/Kg	70	*	3		83	144	20
bis(2-Chloroethoxy)methane	1000		750	ug/Kg	75		4		68	112	20
2,4-Dichlorophenol	1000		880	ug/Kg	88		1		72	118	20
1,2,4-Trichlorobenzene	1000		910	ug/Kg	91		1		57	103	20
Benzoic acid	1000		770	ug/Kg	77		0		50	104	20
Naphthalene	1000		830	ug/Kg	83		1		72	110	20
4-Chloroaniline	1000		470	ug/Kg	47		4		10	100	20
Hexachlorobutadiene	1000		920	ug/Kg	92		4		66	114	20
Caprolactam	1000		680	ug/Kg	68		0		51	134	20
4-Chloro-3-methylphenol	1000		770	ug/Kg	77		1		57	132	20
2-Methylnaphthalene	1000		770	ug/Kg	77		1		59	123	20
Hexachlorocyclopentadiene	2000		0	ug/Kg	0	*			10	175	20
2,4,6-Trichlorophenol	1000		950	ug/Kg	95		3		72	117	20
2,4,5-Trichlorophenol	1000		850	ug/Kg	85		2		72	117	20
1,1-Biphenyl	1000		900	ug/Kg	90		2		75	113	20
2-Chloronaphthalene	1000		940	ug/Kg	94		2		67	118	20
2-Nitroaniline	1000		890	ug/Kg	89		7		69	127	20
Dimethylphthalate	1000		800	ug/Kg	80		5		70	113	20
Acenaphthylene	1000		890	ug/Kg	89		2		79	118	20
2,6-Dinitrotoluene	1000		690	ug/Kg	69	*	6		70	125	20
3-Nitroaniline	1000		780	ug/Kg	78		7		20	111	20
Acenaphthene	1000		830	ug/Kg	83		1		70	121	20
Total PAH	16000		13540	ug/Kg	85		1		70	121	20
2,4-Dinitrophenol	2000		0	ug/Kg	0	*	200	*	16	160	20
4-Nitrophenol	2000		1500	ug/Kg	75		0		45	133	20
Dibenzofuran	1000		830	ug/Kg	83		0		72	110	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2000		1340	ug/Kg	67		6		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BP022824

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		RPD
									Low	High	
2,4-Dinitrotoluene	1000		650	ug/Kg	65		6		55	128	20
Diethylphthalate	1000		790	ug/Kg	79		4		70	112	20
4-Chlorophenyl-phenylether	1000		830	ug/Kg	83		2		71	108	20
Fluorene	1000		800	ug/Kg	80		1		68	116	20
4-Nitroaniline	1000		800	ug/Kg	80		9		55	120	20
4,6-Dinitro-2-methylphenol	1000		67.7	ug/Kg	7	*	25	*	32	145	20
N-Nitrosodiphenylamine	1000		990	ug/Kg	99		3		73	118	20
Azobenzene	1000		750	ug/Kg	75		3		73	110	20
4-Bromophenyl-phenylether	1000		1000	ug/Kg	100		4		65	121	20
Hexachlorobenzene	1000		1000	ug/Kg	100		2		67	118	20
Atrazine	1000		830	ug/Kg	83		1		79	127	20
Pentachlorophenol	2000		1600	ug/Kg	80		0		47	128	20
Phenanthrene	1000		850	ug/Kg	85		0		72	113	20
Anthracene	1000		850	ug/Kg	85		2		62	124	20
Carbazole	1000		800	ug/Kg	80		3		59	119	20
Di-n-butylphthalate	1000		850	ug/Kg	85		6		69	118	20
Fluoranthene	1000		710	ug/Kg	71		1		59	125	20
Benzidine	2000		840	ug/Kg	42		0		10	119	20
Pyrene	1000		880	ug/Kg	88		0		52	128	20
Butylbenzylphthalate	1000		820	ug/Kg	82		4		64	126	20
3,3-Dichlorobenzidine	1000		780	ug/Kg	78		4		10	164	20
Benzo(a)anthracene	1000		870	ug/Kg	87		1		71	114	20
Chrysene	1000		850	ug/Kg	85		1		57	121	20
bis(2-Ethylhexyl)phthalate	1000		840	ug/Kg	84		6		66	127	20
Di-n-octyl phthalate	1000		850	ug/Kg	85		5		71	126	20
Benzo(b)fluoranthene	1000		890	ug/Kg	89		2		67	121	20
Benzo(k)fluoranthene	1000		830	ug/Kg	83		0		74	114	20
Benzo(a)pyrene	1000		820	ug/Kg	82		0		70	142	20
Indeno(1,2,3-cd)pyrene	1000		890	ug/Kg	89		0		61	125	20
Dibenz(a,h)anthracene	1000		890	ug/Kg	89		2		67	130	20
Benzo(g,h,i)perylene	1000		860	ug/Kg	86		1		53	140	20
1,2,4,5-Tetrachlorobenzene	1000		1000	ug/Kg	100		2		69	124	20
1,4-Dioxane	1000		570	ug/Kg	57		3		46	112	20
2,3,4,6-Tetrachlorophenol	1000		820	ug/Kg	82		1		56	133	20
1-Methylnaphthalene	1000		770	ug/Kg	77		1		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BP022824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	High	RPD
Lab Sample ID:	P1602-07MS	Client Sample ID:	WC-3MS					DataFile:	BP019919.D		
n-Nitrosodimethylamine	1800		1600	ug/Kg	89				66	124	
Pyridine	1800		1200	ug/Kg	67				45	119	
Benzaldehyde	1800		280	ug/Kg	16	*			26	163	
Aniline	1800		700	ug/Kg	39				10	88	
Phenol	1800		1300	ug/Kg	72				67	126	
bis(2-Chloroethyl)ether	1800		1300	ug/Kg	72	*			74	116	
2-Chlorophenol	1800		1400	ug/Kg	78				61	138	
1,2-Dichlorobenzene	1800		1500	ug/Kg	83				61	105	
1,3-Dichlorobenzene	1800		1600	ug/Kg	89				62	101	
1,4-Dichlorobenzene	1800		1600	ug/Kg	89				63	104	
Benzyl Alcohol	1800		1100	ug/Kg	61				47	126	
2-Methylphenol	1800		1100	ug/Kg	61	*			66	122	
2,2-oxybis(1-Chloropropane)	1800		1200	ug/Kg	67				52	115	
Acetophenone	1800		1400	ug/Kg	78				75	111	
3+4-Methylphenols	1800		1000	ug/Kg	56				53	132	
N-Nitroso-di-n-propylamine	1800		1000	ug/Kg	56	*			59	119	
Hexachloroethane	1800		1500	ug/Kg	83				65	117	
Nitrobenzene	1800		1400	ug/Kg	78				70	119	
Isophorone	1800		1400	ug/Kg	78				76	122	
2-Nitrophenol	1800		1500	ug/Kg	83				54	145	
2,4-Dimethylphenol	1800		1300	ug/Kg	72	*			83	144	
bis(2-Chloroethoxy)methane	1800		1500	ug/Kg	83				68	112	
2,4-Dichlorophenol	1800		1500	ug/Kg	83				72	118	
1,2,4-Trichlorobenzene	1800		1700	ug/Kg	94				57	103	
Benzoic acid	1800		1300	ug/Kg	72				50	104	
Naphthalene	1800		1500	ug/Kg	83				72	110	
4-Chloroaniline	1800		370	ug/Kg	21				10	100	
Hexachlorobutadiene	1800		1800	ug/Kg	100				66	114	
Caprolactam	1800		1000	ug/Kg	56				51	134	
4-Chloro-3-methylphenol	1800		1200	ug/Kg	67				57	132	
2-Methylnaphthalene	1800		1300	ug/Kg	72				59	123	
Hexachlorocyclopentadiene	3700		2900	ug/Kg	78				10	175	
2,4,6-Trichlorophenol	1800		1700	ug/Kg	94				72	117	
2,4,5-Trichlorophenol	1800		1500	ug/Kg	83				72	117	
1,1-Biphenyl	1800		1700	ug/Kg	94				75	113	
2-Chloronaphthalene	1800		1800	ug/Kg	100				67	118	
2-Nitroaniline	1800		1400	ug/Kg	78				69	127	
Dimethylphthalate	1800		1400	ug/Kg	78				70	113	
Acenaphthylene	1800	400	2100	ug/Kg	94				79	118	
2,6-Dinitrotoluene	1800		1400	ug/Kg	78				70	125	
3-Nitroaniline	1800		1000	ug/Kg	56				20	111	
Acenaphthene	1800		1500	ug/Kg	83				70	121	
Total PAH	28800	6880	31700	ug/Kg	110				70	121	
2,4-Dinitrophenol	3700		1700	ug/Kg	46				16	160	
4-Nitrophenol	3700		2700	ug/Kg	73				45	133	
Dibenzofuran	1800		1500	ug/Kg	83				72	110	
2,4-Dinitrotoluene	1800		1300	ug/Kg	72				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BP022824

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	3600		2700	ug/Kg	75				55	128	
Diethylphthalate	1800		1300	ug/Kg	72				70	112	
4-Chlorophenyl-phenylether	1800		1400	ug/Kg	78				71	108	
Fluorene	1800	100	1500	ug/Kg	78				68	116	
4-Nitroaniline	1800		1100	ug/Kg	61				55	120	
4,6-Dinitro-2-methylphenol	1800		1000	ug/Kg	56				32	145	
N-Nitrosodiphenylamine	1800		1700	ug/Kg	94				73	118	
Azobenzene	1800		1300	ug/Kg	72	*			73	110	
4-Bromophenyl-phenylether	1800		1700	ug/Kg	94				65	121	
Hexachlorobenzene	1800		1800	ug/Kg	100				67	118	
Atrazine	1800		1500	ug/Kg	83				79	127	
Pentachlorophenol	3700		3100	ug/Kg	84				47	128	
Phenanthrene	1800	930	2500	ug/Kg	87				72	113	
Anthracene	1800	170	1800	ug/Kg	91				62	124	
Carbazole	1800		1600	ug/Kg	89				59	119	
Di-n-butylphthalate	1800		1400	ug/Kg	78				69	118	
Fluoranthene	1800	910	2400	ug/Kg	83				59	125	
Benzidine	3700		1300	ug/Kg	35				10	119	
Pyrene	1800	1300	2400	ug/Kg	61				52	128	
Butylbenzylphthalate	1800		1200	ug/Kg	67				64	126	
3,3-Dichlorobenzidine	1800		1400	ug/Kg	78				10	164	
Benzo(a)anthracene	1800	560	2100	ug/Kg	86				71	114	
Chrysene	1800	660	2200	ug/Kg	86				57	121	
bis(2-Ethylhexyl)phthalate	1800		1200	ug/Kg	67				66	127	
Di-n-octyl phthalate	1800		1300	ug/Kg	72				71	126	
Benzo(b)fluoranthene	1800	580	2000	ug/Kg	79				67	121	
Benzo(k)fluoranthene	1800	210	1800	ug/Kg	88				74	114	
Benzo(a)pyrene	1800	470	2000	ug/Kg	85				70	142	
Indeno(1,2,3-cd)pyrene	1800	260	2000	ug/Kg	97				61	125	
Dibenz(a,h)anthracene	1800	0	1800	ug/Kg	100				67	130	
Benzo(g,h,i)perylene	1800	330	2100	ug/Kg	98				53	140	
1,2,4,5-Tetrachlorobenzene	1800		2000	ug/Kg	111				69	124	
1,4-Dioxane	1800		1500	ug/Kg	83				46	112	
2,3,4,6-Tetrachlorophenol	1800		1400	ug/Kg	78				56	133	
1-Methylnaphthalene	1800		1300	ug/Kg	72				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BP022824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Low	Limits	
		Result				Qual		Qual		High	RPD
Lab Sample ID:	P1602-07MSD	Client Sample ID:	WC-3MSD				DataFile:	BP019920.D			
n-Nitrosodimethylamine	1800		1700	ug/Kg	94		5		66	124	20
Pyridine	1800		1300	ug/Kg	72		7		45	119	20
Benzaldehyde	1800		290	ug/Kg	16	*	0		26	163	20
Aniline	1800		740	ug/Kg	41		5		10	88	20
Phenol	1800		1400	ug/Kg	78		8		67	126	20
bis(2-Chloroethyl)ether	1800		1400	ug/Kg	78		8		74	116	20
2-Chlorophenol	1800		1500	ug/Kg	83		6		61	138	20
1,2-Dichlorobenzene	1800		1600	ug/Kg	89		7		61	105	20
1,3-Dichlorobenzene	1800		1700	ug/Kg	94		5		62	101	20
1,4-Dichlorobenzene	1800		1700	ug/Kg	94		5		63	104	20
Benzyl Alcohol	1800		1200	ug/Kg	67		9		47	126	20
2-Methylphenol	1800		1200	ug/Kg	67		9		66	122	20
2,2-oxybis(1-Chloropropane)	1800		1300	ug/Kg	72		7		52	115	20
Acetophenone	1800		1500	ug/Kg	83		6		75	111	20
3+4-Methylphenols	1800		1100	ug/Kg	61		9		53	132	20
N-Nitroso-di-n-propylamine	1800		1100	ug/Kg	61		9		59	119	20
Hexachloroethane	1800		1600	ug/Kg	89		7		65	117	20
Nitrobenzene	1800		1500	ug/Kg	83		6		70	119	20
Isophorone	1800		1400	ug/Kg	78		0		76	122	20
2-Nitrophenol	1800		1600	ug/Kg	89		7		54	145	20
2,4-Dimethylphenol	1800		1300	ug/Kg	72	*	0		83	144	20
bis(2-Chloroethoxy)methane	1800		1500	ug/Kg	83		0		68	112	20
2,4-Dichlorophenol	1800		1600	ug/Kg	89		7		72	118	20
1,2,4-Trichlorobenzene	1800		1800	ug/Kg	100		6		57	103	20
Benzoic acid	1800		1300	ug/Kg	72		0		50	104	20
Naphthalene	1800		1600	ug/Kg	89		7		72	110	20
4-Chloroaniline	1800		390	ug/Kg	22		5		10	100	20
Hexachlorobutadiene	1800		1900	ug/Kg	106		6		66	114	20
Caprolactam	1800		1100	ug/Kg	61		9		51	134	20
4-Chloro-3-methylphenol	1800		1200	ug/Kg	67		0		57	132	20
2-Methylnaphthalene	1800		1400	ug/Kg	78		8		59	123	20
Hexachlorocyclopentadiene	3700		2800	ug/Kg	76		3		10	175	20
2,4,6-Trichlorophenol	1800		1800	ug/Kg	100		6		72	117	20
2,4,5-Trichlorophenol	1800		1600	ug/Kg	89		7		72	117	20
1,1-Biphenyl	1800		1800	ug/Kg	100		6		75	113	20
2-Chloronaphthalene	1800		1900	ug/Kg	106		6		67	118	20
2-Nitroaniline	1800		1500	ug/Kg	83		6		69	127	20
Dimethylphthalate	1800		1500	ug/Kg	83		6		70	113	20
Acenaphthylene	1800	400	2200	ug/Kg	100		6		79	118	20
2,6-Dinitrotoluene	1800		1400	ug/Kg	78		0		70	125	20
3-Nitroaniline	1800		1100	ug/Kg	61		9		20	111	20
Acenaphthene	1800		1600	ug/Kg	89		7		70	121	20
Total PAH	28800	6880	33400	ug/Kg	116		5		70	121	20
2,4-Dinitrophenol	3700		1700	ug/Kg	46		0		16	160	20
4-Nitrophenol	3700		2800	ug/Kg	76		4		45	133	20
Dibenzofuran	1800		1600	ug/Kg	89		7		72	110	20
2,4-Dinitrotoluene	1800		1300	ug/Kg	72		0		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BP022824

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Limits		
		Result				Qual		Qual	Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	3600		2700	ug/Kg	75		0		55	128	20
Diethylphthalate	1800		1400	ug/Kg	78		8		70	112	20
4-Chlorophenyl-phenylether	1800		1500	ug/Kg	83		6		71	108	20
Fluorene	1800	100	1600	ug/Kg	83		6		68	116	20
4-Nitroaniline	1800		1200	ug/Kg	67		9		55	120	20
4,6-Dinitro-2-methylphenol	1800		1100	ug/Kg	61		9		32	145	20
N-Nitrosodiphenylamine	1800		1800	ug/Kg	100		6		73	118	20
Azobenzene	1800		1400	ug/Kg	78		8		73	110	20
4-Bromophenyl-phenylether	1800		1800	ug/Kg	100		6		65	121	20
Hexachlorobenzene	1800		1900	ug/Kg	106		6		67	118	20
Atrazine	1800		1600	ug/Kg	89		7		79	127	20
Pentachlorophenol	3700		3200	ug/Kg	86		2		47	128	20
Phenanthrene	1800	930	2600	ug/Kg	93		7		72	113	20
Anthracene	1800	170	1900	ug/Kg	96		5		62	124	20
Carbazole	1800		1600	ug/Kg	89		0		59	119	20
Di-n-butylphthalate	1800		1500	ug/Kg	83		6		69	118	20
Fluoranthene	1800	910	2500	ug/Kg	88		6		59	125	20
Benzidine	3700		1400	ug/Kg	38		8		10	119	20
Pyrene	1800	1300	2600	ug/Kg	72		17		52	128	20
Butylbenzylphthalate	1800		1300	ug/Kg	72		7		64	126	20
3,3-Dichlorobenzidine	1800		1400	ug/Kg	78		0		10	164	20
Benzo(a)anthracene	1800	560	2200	ug/Kg	91		6		71	114	20
Chrysene	1800	660	2300	ug/Kg	91		6		57	121	20
bis(2-Ethylhexyl)phthalate	1800		1200	ug/Kg	67		0		66	127	20
Di-n-octyl phthalate	1800		1400	ug/Kg	78		8		71	126	20
Benzo(b)fluoranthene	1800	580	2100	ug/Kg	84		6		67	121	20
Benzo(k)fluoranthene	1800	210	1900	ug/Kg	94		7		74	114	20
Benzo(a)pyrene	1800	470	2100	ug/Kg	91		7		70	142	20
Indeno(1,2,3-cd)pyrene	1800	260	2100	ug/Kg	102		5		61	125	20
Dibenz(a,h)anthracene	1800	0	1900	ug/Kg	106		6		67	130	20
Benzo(g,h,i)perylene	1800	330	2200	ug/Kg	104		6		53	140	20
1,2,4,5-Tetrachlorobenzene	1800		2100	ug/Kg	117		5		69	124	20
1,4-Dioxane	1800		1600	ug/Kg	89		7		46	112	20
2,3,4,6-Tetrachlorophenol	1800		1500	ug/Kg	83		6		56	133	20
1-Methylnaphthalene	1800		1400	ug/Kg	78		8		70	130	20



Surrogate Summary
SW-846

SDG No.: BP022824

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB159054BL	PB159054BL	BP019909.D	2-Fluorophenol	150	125.22	83		10	139
			Phenol-d6	150	112.35	75		10	134
			Nitrobenzene-d5	100	73.28	73		49	133
			2-Fluorobiphenyl	100	81.08	81		52	132
			2,4,6-Tribromophenol	150	129.55	86		32	145
			Terphenyl-d14	100	85.06	85		36	145
PB159054BS	PB159054BS	BP019910.D	2-Fluorophenol	150	142.87	95		10	139
			Phenol-d6	150	135.05	90		10	134
			Nitrobenzene-d5	100	79.47	79		49	133
			2-Fluorobiphenyl	100	87.40	87		52	132
			2,4,6-Tribromophenol	150	141.31	94		32	145
			Terphenyl-d14	100	85.08	85		36	145
PB159054BSD	PB159054BSD	BP019911.D	2-Fluorophenol	150	141.05	94		10	139
			Phenol-d6	150	132.09	88		10	134
			Nitrobenzene-d5	100	77.24	77		49	133
			2-Fluorobiphenyl	100	84.20	84		52	132
			2,4,6-Tribromophenol	150	137.95	92		32	145
			Terphenyl-d14	100	86.40	86		36	145



Surrogate Summary
SW-846

SDG No.: BP022824

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1523-06	20240766-AMENDBP019915.D		2-Fluorophenol	150	46.06	31		18	112
			Phenol-d6	150	54.63	36		15	107
			Nitrobenzene-d5	100	55.49	55		18	107
			2-Fluorobiphenyl	100	60.35	60		20	109
			2,4,6-Tribromophenol	150	32.42	22		10	110
			Terphenyl-d14	100	51.66	52		14	112



Surrogate Summary
SW-846

SDG No.: BP022824

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1537-03	3	BP019922.D	2-Fluorophenol	150	98.44	66		18	112
			Phenol-d6	150	85.44	57		15	107
			Nitrobenzene-d5	100	61.16	61		18	107
			2-Fluorobiphenyl	100	75.07	75		20	109
			2,4,6-Tribromophenol	150	89.27	60		10	110
			Terphenyl-d14	100	56.81	57		14	112



Surrogate Summary
SW-846

SDG No.: BP022824

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1538-02	20241097-COMPO:BP019914.D		2-Fluorophenol	150	93.53	62		18	112
			Phenol-d6	150	79.07	53		15	107
			Nitrobenzene-d5	100	60.12	60		18	107
			2-Fluorobiphenyl	100	65.27	65		20	109
			2,4,6-Tribromophenol	150	92.23	61		10	110
			Terphenyl-d14	100	47.87	48		14	112



Surrogate Summary
SW-846

SDG No.: BP022824

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1584-01	AU-06-02232024	BP019916.D	2-Fluorophenol	150	82.31	55		18	112
			Phenol-d6	150	74.00	49		15	107
			Nitrobenzene-d5	100	53.05	53		18	107
			2-Fluorobiphenyl	100	56.26	56		20	109
			2,4,6-Tribromophenol	150	88.00	59		10	110
			Terphenyl-d14	100	52.97	53		14	112

Surrogate Summary

SW-846

SDG No.: BP022824

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1602-01	WC-1	BP019928.D	2-Fluorophenol	150	64.94	43		18	112
			Phenol-d6	150	59.87	40		15	107
			Nitrobenzene-d5	100	39.08	39		18	107
			2-Fluorobiphenyl	100	45.64	46		20	109
			2,4,6-Tribromophenol	150	61.17	41		10	110
			Terphenyl-d14	100	39.22	39		14	112
P1602-04	WC-2	BP019917.D	2-Fluorophenol	150	70.14	47		18	112
			Phenol-d6	150	60.55	40		15	107
			Nitrobenzene-d5	100	44.62	45		18	107
			2-Fluorobiphenyl	100	50.10	50		20	109
			2,4,6-Tribromophenol	150	72.39	48		10	110
			Terphenyl-d14	100	37.10	37		14	112
P1602-07	WC-3	BP019918.D	2-Fluorophenol	150	76.00	51		18	112
			Phenol-d6	150	69.40	46		15	107
			Nitrobenzene-d5	100	44.77	45		18	107
			2-Fluorobiphenyl	100	47.38	47		20	109
			2,4,6-Tribromophenol	150	78.87	53		10	110
			Terphenyl-d14	100	49.64	50		14	112
P1602-07MS	WC-3MS	BP019919.D	2-Fluorophenol	150	71.40	48		18	112
			Phenol-d6	150	58.91	39		15	107
			Nitrobenzene-d5	100	46.40	46		18	107
			2-Fluorobiphenyl	100	49.92	50		20	109
			2,4,6-Tribromophenol	150	66.14	44		10	110
			Terphenyl-d14	100	37.07	37		14	112
P1602-07MSD	WC-3MSD	BP019920.D	2-Fluorophenol	150	77.30	52		18	112
			Phenol-d6	150	64.46	43		15	107
			Nitrobenzene-d5	100	47.36	47		18	107
			2-Fluorobiphenyl	100	53.31	53		20	109
			2,4,6-Tribromophenol	150	67.82	45		10	110
			Terphenyl-d14	100	38.36	38		14	112
P1602-10	WC-4	BP019921.D	2-Fluorophenol	150	74.96	50		18	112
			Phenol-d6	150	66.67	44		15	107
			Nitrobenzene-d5	100	46.21	46		18	107
			2-Fluorobiphenyl	100	51.14	51		20	109
			2,4,6-Tribromophenol	150	68.06	45		10	110
			Terphenyl-d14	100	39.36	39		14	112
PB159321BL	PB159321BL	BP019912.D	2-Fluorophenol	150	126.52	84		18	112
			Phenol-d6	150	113.99	76		15	107
			Nitrobenzene-d5	100	74.56	75		18	107
			2-Fluorobiphenyl	100	83.50	84		20	109
			2,4,6-Tribromophenol	150	146.07	97		10	110
			Terphenyl-d14	100	82.79	83		14	112
PB159321BS	PB159321BS	BP019913.D	2-Fluorophenol	150	165.49	110		18	112
			Phenol-d6	150	141.16	94		15	107
			Nitrobenzene-d5	100	82.13	82		18	107
			2-Fluorobiphenyl	100	90.47	90		20	109
			2,4,6-Tribromophenol	150	155.12	103		10	110
			Terphenyl-d14	100	91.77	92		14	112

Surrogate Summary

SW-846

SDG No.: BP022824

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1610-01	SU-02-02272024	BP019925.D	2-Fluorophenol	150	32.41	22		18	112
			Phenol-d6	150	32.03	21		15	107
			Nitrobenzene-d5	100	21.10	21		18	107
			2-Fluorobiphenyl	100	26.36	26		20	109
			2,4,6-Tribromophenol	150	34.39	23		10	110
			Terphenyl-d14	100	28.21	28		14	112
P1610-01MS	SU-02-02272024M:BP019926.D		2-Fluorophenol	150	42.81	29		18	112
			Phenol-d6	150	39.69	26		15	107
			Nitrobenzene-d5	100	25.84	26		18	107
			2-Fluorobiphenyl	100	30.70	31		20	109
			2,4,6-Tribromophenol	150	41.33	28		10	110
			Terphenyl-d14	100	29.98	30		14	112
P1610-01MSD	SU-02-02272024M:BP019927.D		2-Fluorophenol	150	43.95	29		18	112
			Phenol-d6	150	41.10	27		15	107
			Nitrobenzene-d5	100	26.27	26		18	107
			2-Fluorobiphenyl	100	31.83	32		20	109
			2,4,6-Tribromophenol	150	41.49	28		10	110
			Terphenyl-d14	100	30.66	31		14	112
P1611-01	TR-05-022724	BP019923.D	2-Fluorophenol	150	69.91	47		18	112
			Phenol-d6	150	62.84	42		15	107
			Nitrobenzene-d5	100	44.75	45		18	107
			2-Fluorobiphenyl	100	51.98	52		20	109
			2,4,6-Tribromophenol	150	57.81	39		10	110
			Terphenyl-d14	100	44.62	45		14	112
P1612-01	OK-02-022724	BP019924.D	2-Fluorophenol	150	74.52	50		18	112
			Phenol-d6	150	70.22	47		15	107
			Nitrobenzene-d5	100	44.51	45		18	107
			2-Fluorobiphenyl	100	51.90	52		20	109
			2,4,6-Tribromophenol	150	74.91	50		10	110
			Terphenyl-d14	100	57.89	58		14	112



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BP022824

Lab Code: CHEM

SAS No.: BP022824 SDG NO.: BP022824

Lab File ID: BP019907.D

DFTPP Injection Date: 02/28/2024

Instrument ID: BNA_P

DFTPP Injection Time: 09:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	25.8
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	31.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	37.2
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	30
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 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	BP019908.D	02/28/2024	10:16
PB159054BL	PB159054BL	BP019909.D	02/28/2024	10:50
PB159054BS	PB159054BS	BP019910.D	02/28/2024	11:24
PB159054BSD	PB159054BSD	BP019911.D	02/28/2024	11:58
PB159321BL	PB159321BL	BP019912.D	02/28/2024	12:32
PB159321BS	PB159321BS	BP019913.D	02/28/2024	13:06
20241097-COMPOSITE-35N-N-4-02	P1538-02	BP019914.D	02/28/2024	13:48
20240766-AMENDED-COMP-39N-N-3-01	P1523-06	BP019915.D	02/28/2024	14:21
AU-06-02232024	P1584-01	BP019916.D	02/28/2024	14:55
WC-2	P1602-04	BP019917.D	02/28/2024	15:29
WC-3	P1602-07	BP019918.D	02/28/2024	16:03
WC-3MS	P1602-07MS	BP019919.D	02/28/2024	16:37
WC-3MSD	P1602-07MSD	BP019920.D	02/28/2024	17:11
WC-4	P1602-10	BP019921.D	02/28/2024	17:45
3	P1537-03	BP019922.D	02/28/2024	18:19
TR-05-022724	P1611-01	BP019923.D	02/28/2024	18:53
OK-02-022724	P1612-01	BP019924.D	02/28/2024	19:27
SU-02-02272024	P1610-01	BP019925.D	02/28/2024	20:01
SU-02-02272024MS	P1610-01MS	BP019926.D	02/28/2024	20:35

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BP022824

Lab Code: CHEM

SAS No.: BP022824 SDG NO.: BP022824

Lab File ID: BP019907.D

DFTPP Injection Date: 02/28/2024

Instrument ID: BNA_P

DFTPP Injection Time: 09:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	25.8
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	31.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	37.2
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	30
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 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
SU-02-02272024MSD	P1610-01MSD	BP019927.D	02/28/2024	21:09
WC-1	P1602-01	BP019928.D	02/28/2024	21:43