



7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP022924 SAS No.: BP022924 SDG No.: BP022924

Instrument ID: BNA_P Calibration Date/Time: 2/29/2024 1:11:07

Lab File ID: BP019930.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	0.523		-1.507	
Pyridine	1.289	1.252		-2.87	
2-Fluorophenol	1.218	1.155		-5.172	
Benzaldehyde	1.036	0.978		-5.598	
Aniline	2.225	2.050		-7.865	
Phenol-d6	1.814	1.675		-7.663	
Phenol	1.809	1.666		-7.905	20.0
bis(2-Chloroethyl)ether	1.425	1.302		-8.632	
2-Chlorophenol	1.314	1.297		-1.294	
1,2-Dichlorobenzene	1.449	1.420		-2.001	
1,3-Dichlorobenzene	1.427	1.429		0.14	
1,4-Dichlorobenzene	1.445	1.445		0.0	20.0
Benzyl Alcohol	1.600	1.505		-5.938	
2-Methylphenol	1.353	1.265		-6.504	
2,2-oxybis(1-Chloropropane)	1.521	1.308		-14.004	
Acetophenone	0.621	0.565		-9.018	
3+4-Methylphenols	1.944	1.738		-10.597	
n-Nitroso-di-n-propylamine	1.370	1.282	0.050	-6.423	
Nitrobenzene-d5	0.495	0.457		-7.677	
Hexachloroethane	0.560	0.549		-1.964	
Nitrobenzene	0.480	0.442		-7.917	
Isophorone	0.862	0.824		-4.408	
2-Nitrophenol	0.192	0.200		4.167	20.0
2,4-Dimethylphenol	0.317	0.317		0.0	
bis(2-Chloroethoxy)methane	0.481	0.461		-4.158	
2,4-Dichlorophenol	0.353	0.361		2.266	20.0
1,2,4-Trichlorobenzene	0.388	0.398		2.577	
Benzoic acid	0.268	0.267		-0.373	
Naphthalene	1.071	1.060		-1.027	
4-Chloroaniline	0.487	0.484		-0.616	
Hexachlorobutadiene	0.282	0.294		4.255	20.0
Caprolactam	0.130	0.129		-0.769	
4-Chloro-3-methylphenol	0.436	0.430		-1.376	20.0
2-Methylnaphthalene	0.831	0.834		0.361	
Hexachlorocyclopentadiene	0.354	0.323	0.050	-8.757	
2,4,6-Trichlorophenol	0.451	0.468		3.769	20.0
2-Fluorobiphenyl	1.480	1.513		2.23	
2,4,5-Trichlorophenol	0.537	0.557		3.724	
1,1-Biphenyl	1.432	1.434		0.14	
2-Chloronaphthalene	1.112	1.113		0.09	
2-Nitroaniline	0.402	0.394		-1.99	



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Lab File ID: BP019930.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	1.635		0.122	
Acenaphthylene	1.801	1.797		-0.222	
2,6-Dinitrotoluene	0.351	0.365		3.989	
3-Nitroaniline	0.348	0.352		1.149	
Acenaphthene	1.081	1.087		0.555	20.0
2,4-Dinitrophenol	0.229	0.227	0.050	-0.873	
4-Nitrophenol	0.272	0.273	0.050	0.368	
Dibenzofuran	1.845	1.883		2.06	
2,4-Dinitrotoluene	0.500	0.521		4.2	
Diethylphthalate	1.613	1.682		4.278	
4-Chlorophenyl-phenylether	0.856	0.896		4.673	
Fluorene	1.497	1.547		3.34	
4-Nitroaniline	0.362	0.378		4.42	
4,6-Dinitro-2-methylphenol	0.136	0.142		4.412	
n-Nitrosodiphenylamine	0.574	0.583		1.568	20.0
Azobenzene	1.502	1.487		-0.999	
2,4,6-Tribromophenol	0.343	0.385		12.245	
4-Bromophenyl-phenylether	0.247	0.257		4.049	
Hexachlorobenzene	0.267	0.280		4.869	
Atrazine	0.240	0.247		2.917	
Pentachlorophenol	0.197	0.196		-0.508	20.0
Phenanthrene	1.068	1.059		-0.843	
Anthracene	1.090	1.083		-0.642	
Carbazole	0.965	0.959		-0.622	
Di-n-butylphthalate	1.207	1.208		0.083	
Fluoranthene	1.385	1.287		-7.076	20.0
Benzidine	0.574	0.600		4.53	
Pyrene	1.374	1.420		3.348	
Terphenyl-d14	1.269	1.351		6.462	
Butylbenzylphthalate	0.549	0.554		0.911	
3,3-Dichlorobenzidine	0.544	0.566		4.044	
Benzo(a)anthracene	1.420	1.421		0.07	
Chrysene	1.330	1.338		0.602	
Bis(2-ethylhexyl)phthalate	0.789	0.800		1.394	
Di-n-octyl phthalate	1.313	1.361		3.656	20.0
Benzo(b)fluoranthene	1.226	1.245		1.55	
Benzo(k)fluoranthene	1.203	1.204		0.083	
Benzo(a)pyrene	1.172	1.178		0.512	20.0
Indeno(1,2,3-cd)pyrene	1.408	1.371		-2.628	
Dibenzo(a,h)anthracene	1.184	1.167		-1.436	
Benzo(g,h,i)perylene	1.143	1.090		-4.637	



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Lab Name: CHEMTECH Contract: _____
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Instrument ID: BNA_P Calibration Date/Time: 2/29/2024 1:11:07
Lab File ID: BP019930.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
1,2,4,5-Tetrachlorobenzene	0.683	0.710		3.953	
1,4-Dioxane	0.421	0.391		-7.126	20.0
2,3,4,6-Tetrachlorophenol	0.493	0.515		4.462	
1-Methylnaphthalene	0.787	0.782		-0.635	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	PB159345BL	SDG No.:	BP022924
Lab Sample ID:	PB159345BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019931.D	1	2/28/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159345

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	77.2	U	77.2	270	330	ug/Kg
110-86-1	Pyridine	72.4	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	89.7	U	89.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	72	U	72	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	81.6	U	81.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	88.4	U	88.4	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	82.3	U	82.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	98.7	U	98.7	270	330	ug/Kg
95-48-7	2-Methylphenol	110	U	110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	130	170	ug/Kg
98-86-2	Acetophenone	86.6	U	86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	59	U	59	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	73.6	U	73.6	130	170	ug/Kg
98-95-3	Nitrobenzene	75.1	U	75.1	130	170	ug/Kg
78-59-1	Isophorone	68.1	U	68.1	130	170	ug/Kg
88-75-5	2-Nitrophenol	95	U	95	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	99.5	U	99.5	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	78	U	78	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	77.4	U	77.4	130	170	ug/Kg
65-85-0	Benzoic acid	210	U	210	270	330	ug/Kg
91-20-3	Naphthalene	81.3	U	81.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.9	U	83.9	130	170	ug/Kg
105-60-2	Caprolactam	120	U	120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.4	U	82.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	94.8	U	94.8	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	PB159345BL	SDG No.:	BP022924
Lab Sample ID:	PB159345BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019931.D	1	2/28/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159345

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	210	U	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77	U	77	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.8	U	87.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	91.2	U	91.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.5	U	84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	99.2	U	99.2	130	170	ug/Kg
131-11-3	Dimethylphthalate	88.8	U	88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	88.3	U	88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.9	U	89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	93.3	U	93.3	130	170	ug/Kg
83-32-9	Acenaphthene	80.2	U	80.2	130	170	ug/Kg
Total PAH	Total PAH	1436.7	U	1436.7	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	270	330	ug/Kg
132-64-9	Dibenzofuran	76.8	U	76.8	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.8	U	99.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.7	U	189.7	130	340	ug/Kg
84-66-2	Diethylphthalate	85.8	U	85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.3	U	90.3	130	170	ug/Kg
86-73-7	Fluorene	84.7	U	84.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.7	U	87.7	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.2	U	93.2	130	170	ug/Kg
103-33-3	Azobenzene	73.5	U	73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.3	U	97.3	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.7	U	98.7	130	170	ug/Kg
1912-24-9	Atrazine	95.3	U	95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	92.6	U	92.6	130	170	ug/Kg
120-12-7	Anthracene	100	U	100	130	170	ug/Kg
86-74-8	Carbazole	84.8	U	84.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	94.3	U	94.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	PB159345BL	SDG No.:	BP022924
Lab Sample ID:	PB159345BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019931.D	1	2/28/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159345

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	83.6	U	83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	83.8	U	83.8	130	170	ug/Kg
218-01-9	Chrysene	86.7	U	86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.2	U	80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88	U	88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.2	U	94.2	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	96.4	U	96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.4	U	92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.3	U	89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.8	U	82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.1	U	90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	129.763		18-112		87	SPK: -150
13127-88-3	Phenol-d6	117.556		15-107		78	SPK: -150
4165-60-0	Nitrobenzene-d5	72.352		18-107		72	SPK: -100
321-60-8	2-Fluorobiphenyl	84.604		20-109		85	SPK: -100
118-79-6	2,4,6-Tribromophenol	143.55		10-110		96	SPK: -150
1718-51-0	Terphenyl-d14	85.757		14-112		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	78532	7.911				
1146-65-2	Naphthalene-d8	311246	10.716				
15067-26-2	Acenaphthene-d10	230157	14.557				
1517-22-2	Phenanthrene-d10	589221	17.316				
1719-03-5	Chrysene-d12	549018	21.422				
1520-96-3	Perylene-d12	659378	23.863				



Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	PB159345BL	SDG No.:	BP022924
Lab Sample ID:	PB159345BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02	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
BP019931.D	1	2/28/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159345

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	100	A			5.022	

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	PB159345BS	SDG No.:	BP022924
Lab Sample ID:	PB159345BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30 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
BP019932.D	1	2/28/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159345

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		77.3	270	330	ug/Kg
110-86-1	Pyridine	1000		72.4	130	170	ug/Kg
100-52-7	Benzaldehyde	360		150	270	330	ug/Kg
62-53-3	Aniline	810		120	130	170	ug/Kg
108-95-2	Phenol	1600		74.4	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		89.8	130	170	ug/Kg
95-57-8	2-Chlorophenol	1700		72	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		81.7	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		88.5	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		82.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1500		98.8	270	330	ug/Kg
95-48-7	2-Methylphenol	1400		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		110	130	170	ug/Kg
98-86-2	Acetophenone	1300		86.7	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		59	80	80	ug/Kg
67-72-1	Hexachloroethane	1500		73.6	130	170	ug/Kg
98-95-3	Nitrobenzene	1400		75.2	130	170	ug/Kg
78-59-1	Isophorone	1400		68.1	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		95.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		99.6	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		78.1	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		77.5	130	170	ug/Kg
65-85-0	Benzoic acid	1500		210	270	330	ug/Kg
91-20-3	Naphthalene	1500		81.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	640		110	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		84	130	170	ug/Kg
105-60-2	Caprolactam	1400		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		82.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		94.9	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	PB159345BS	SDG No.:	BP022924
Lab Sample ID:	PB159345BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30 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
BP019932.D	1	2/28/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159345

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	3400	E	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		77.1	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		87.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		91.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		84.6	130	170	ug/Kg
88-74-4	2-Nitroaniline	1500		99.3	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		88.9	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		88.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		90	130	170	ug/Kg
99-09-2	3-Nitroaniline	1000		93.4	130	170	ug/Kg
83-32-9	Acenaphthene	1500		80.3	130	170	ug/Kg
Total PAH	Total PAH	24700		1438.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3300	E	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	3000	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		76.9	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3000		189.9	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		99.9	130	170	ug/Kg
84-66-2	Diethylphthalate	1500		85.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		90.4	130	170	ug/Kg
86-73-7	Fluorene	1600		84.8	130	170	ug/Kg
100-01-6	4-Nitroaniline	1400		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		87.8	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		93.3	130	170	ug/Kg
103-33-3	Azobenzene	1500		73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		97.4	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1700		98.8	130	170	ug/Kg
1912-24-9	Atrazine	1300		95.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	3000	E	110	270	330	ug/Kg
85-01-8	Phenanthrene	1500		92.7	130	170	ug/Kg
120-12-7	Anthracene	1500		100	130	170	ug/Kg
86-74-8	Carbazole	1500		84.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1400		100	130	170	ug/Kg
206-44-0	Fluoranthene	1300		94.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	PB159345BS	SDG No.:	BP022924
Lab Sample ID:	PB159345BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30 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
BP019932.D	1	2/28/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159345

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1000		190	270	330	ug/Kg
129-00-0	Pyrene	1700		83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1500		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		83.9	130	170	ug/Kg
218-01-9	Chrysene	1500		86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		120	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		94.3	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	1500		96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	1100		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	145.784		18-112		97	SPK: -150
13127-88-3	Phenol-d6	134.325		15-107		90	SPK: -150
4165-60-0	Nitrobenzene-d5	78.833		18-107		79	SPK: -100
321-60-8	2-Fluorobiphenyl	92.668		20-109		93	SPK: -100
118-79-6	2,4,6-Tribromophenol	147.703		10-110		98	SPK: -150
1718-51-0	Terphenyl-d14	101.384		14-112		101	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	101853	7.911				
1146-65-2	Naphthalene-d8	419490	10.716				
15067-26-2	Acenaphthene-d10	298215	14.557				
1517-22-2	Phenanthrene-d10	682314	17.322				
1719-03-5	Chrysene-d12	524513	21.428				
1520-96-3	Perylene-d12	515135	23.863				



Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	PB159345BS	SDG No.:	BP022924
Lab Sample ID:	PB159345BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30	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
BP019932.D	1	2/28/2024 12:00:00 AM	2/29/2024 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:	2/9/2024 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.:	BP022924
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
BP019933.D	1	2/22/2024 12:00:00 AM	2/29/2024 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.:	BP022924
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
BP019933.D	1	2/22/2024 12:00:00 AM	2/29/2024 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
121-14-2	2,4-Dinitrotoluene	300	U	300	390	510	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	570	U	570	390	1020	ug/Kg
84-66-2	Diethylphthalate	4900		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	440	J	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.:	BP022924
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
BP019933.D	1	2/22/2024 12:00:00 AM	2/29/2024 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	340	U	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	98.096		18-112		65	SPK: -150
13127-88-3	Phenol-d6	86.906		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	58.666		18-107		59	SPK: -100
321-60-8	2-Fluorobiphenyl	58.894		20-109		59	SPK: -100
118-79-6	2,4,6-Tribromophenol	105.313		10-110		70	SPK: -150
1718-51-0	Terphenyl-d14	56.032		14-112		56	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	76299	7.899				
1146-65-2	Naphthalene-d8	279562	10.699				
15067-26-2	Acenaphthene-d10	188194	14.545				
1517-22-2	Phenanthrene-d10	406877	17.31				
1719-03-5	Chrysene-d12	423293	21.416				
1520-96-3	Perylene-d12	546010	23.845				

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.:	BP022924
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
BP019933.D	1	2/22/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	4300	J			12.552	
087345-53-7	3,5-Dimethoxy-4-hydroxycinnamaldehy	1500	J			14.087	
020675-96-1	trans-Sinapyl alcohol	2200	J			14.24	
017781-15-6	3,7-Benzofurandiol, 2,3-dihydro-2,	570	J			16.704	
000057-11-4	Octadecanoic acid	32800	J			16.91	
082304-66-3	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	370	J			17.981	
000544-63-8	Tetradecanoic acid	3600	J			18.21	
004206-58-0	trans-Sinapaldehyde	1200	J			18.481	
019037-58-2	Syringylacetone	1400	J			18.522	
000506-30-9	Eicosanoic acid	780	J			19.039	
000103-23-1	Hexanedioic acid, bis(2-ethylhexyl	3000	J			19.269	
001002-84-2	Pentadecanoic acid	1300	J			19.445	
000630-02-4	Octacosane	300	J			20.092	
1000324-48-6	Adipic acid, 2-ethylhexyl octyl es	27800	J			20.639	
000630-04-6	Hentriacontane	840	J			20.751	
013475-75-7	Pentadecane, 8-hexyl-	970	J			21.333	
000137-89-3	1,3-Benzenedicarboxylic acid, bis(	980	J			21.633	
000646-31-1	Tetracosane	910	J			21.922	
013475-77-9	Eicosane, 9-octyl-	940	J			22.557	

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-1DL	SDG No.:	BP022924
Lab Sample ID:	P1602-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019934.D	5	2/27/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	410	U	410	1400	1800	ug/Kg
110-86-1	Pyridine	390	U	390	690	910	ug/Kg
100-52-7	Benzaldehyde	790	U	790	1400	1800	ug/Kg
62-53-3	Aniline	620	U	620	690	910	ug/Kg
108-95-2	Phenol	400	U	400	690	910	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	480	U	480	690	910	ug/Kg
95-57-8	2-Chlorophenol	380	U	380	690	910	ug/Kg
95-50-1	1,2-Dichlorobenzene	440	U	440	690	910	ug/Kg
541-73-1	1,3-Dichlorobenzene	470	U	470	690	910	ug/Kg
106-46-7	1,4-Dichlorobenzene	440	U	440	690	910	ug/Kg
100-51-6	Benzyl Alcohol	530	U	530	1400	1800	ug/Kg
95-48-7	2-Methylphenol	610	U	610	690	910	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	560	U	560	690	910	ug/Kg
98-86-2	Acetophenone	460	U	460	690	910	ug/Kg
65794-96-9	3+4-Methylphenols	580	U	580	1400	1800	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	320	U	320	430	430	ug/Kg
67-72-1	Hexachloroethane	390	U	390	690	910	ug/Kg
98-95-3	Nitrobenzene	400	U	400	690	910	ug/Kg
78-59-1	Isophorone	360	U	360	690	910	ug/Kg
88-75-5	2-Nitrophenol	510	U	510	690	910	ug/Kg
105-67-9	2,4-Dimethylphenol	530	U	530	690	910	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	600	U	600	690	910	ug/Kg
120-83-2	2,4-Dichlorophenol	420	U	420	690	910	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	410	U	410	690	910	ug/Kg
65-85-0	Benzoic acid	1100	U	1100	1400	1800	ug/Kg
91-20-3	Naphthalene	430	JD	430	690	910	ug/Kg
106-47-8	4-Chloroaniline	560	U	560	690	910	ug/Kg
87-68-3	Hexachlorobutadiene	450	U	450	690	910	ug/Kg
105-60-2	Caprolactam	620	U	620	1400	1800	ug/Kg
59-50-7	4-Chloro-3-methylphenol	440	U	440	690	910	ug/Kg
91-57-6	2-Methylnaphthalene	510	U	510	690	910	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-1DL	SDG No.:	BP022924
Lab Sample ID:	P1602-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019934.D	5	2/27/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1100	U	1100	1400	1800	ug/Kg
88-06-2	2,4,6-Trichlorophenol	410	U	410	690	910	ug/Kg
95-95-4	2,4,5-Trichlorophenol	470	U	470	690	910	ug/Kg
92-52-4	1,1-Biphenyl	490	U	490	690	910	ug/Kg
91-58-7	2-Chloronaphthalene	450	U	450	690	910	ug/Kg
88-74-4	2-Nitroaniline	530	U	530	690	910	ug/Kg
131-11-3	Dimethylphthalate	470	U	470	690	910	ug/Kg
208-96-8	Acenaphthylene	470	U	470	690	910	ug/Kg
606-20-2	2,6-Dinitrotoluene	480	U	480	690	910	ug/Kg
99-09-2	3-Nitroaniline	500	U	500	690	910	ug/Kg
83-32-9	Acenaphthene	500	JD	430	690	910	ug/Kg
Total PAH	Total PAH	22680	D	7650	690	14560	ug/Kg
51-28-5	2,4-Dinitrophenol	960	U	960	1400	1800	ug/Kg
100-02-7	4-Nitrophenol	610	U	610	1400	1800	ug/Kg
132-64-9	Dibenzofuran	410	U	410	690	910	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1010	U	1010	690	1820	ug/Kg
121-14-2	2,4-Dinitrotoluene	530	U	530	690	910	ug/Kg
84-66-2	Diethylphthalate	4600	D	460	690	910	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	480	U	480	690	910	ug/Kg
86-73-7	Fluorene	640	JD	450	690	910	ug/Kg
100-01-6	4-Nitroaniline	560	U	560	690	910	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	470	U	470	1400	1800	ug/Kg
86-30-6	n-Nitrosodiphenylamine	500	U	500	690	910	ug/Kg
103-33-3	Azobenzene	390	U	390	690	910	ug/Kg
101-55-3	4-Bromophenyl-phenylether	520	U	520	690	910	ug/Kg
118-74-1	Hexachlorobenzene	530	U	530	690	910	ug/Kg
1912-24-9	Atrazine	510	U	510	690	910	ug/Kg
87-86-5	Pentachlorophenol	590	U	590	1400	1800	ug/Kg
85-01-8	Phenanthrene	4200	D	490	690	910	ug/Kg
120-12-7	Anthracene	1100	D	540	690	910	ug/Kg
86-74-8	Carbazole	450	U	450	690	910	ug/Kg
84-74-2	Di-n-butylphthalate	560	U	560	690	910	ug/Kg
206-44-0	Fluoranthene	4100	D	500	690	910	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-1DL	SDG No.:	BP022924
Lab Sample ID:	P1602-01DL	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
BP019934.D	5	2/27/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1000	U	1000	1400	1800	ug/Kg
129-00-0	Pyrene	3200	D	450	690	910	ug/Kg
85-68-7	Butylbenzylphthalate	550	U	550	690	910	ug/Kg
91-94-1	3,3-Dichlorobenzidine	860	U	860	1400	1800	ug/Kg
56-55-3	Benzo(a)anthracene	1800	D	450	690	910	ug/Kg
218-01-9	Chrysene	1500	D	460	690	910	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	610	U	610	690	910	ug/Kg
117-84-0	Di-n-octyl phthalate	660	U	660	1400	1800	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800	D	430	690	910	ug/Kg
207-08-9	Benzo(k)fluoranthene	660	JD	470	690	910	ug/Kg
50-32-8	Benzo(a)pyrene	1300	D	500	690	910	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	700	JD	570	690	910	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	520	U	520	690	910	ug/Kg
191-24-2	Benzo(g,h,i)perylene	750	JD	490	690	910	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	480	U	480	690	910	ug/Kg
123-91-1	1,4-Dioxane	620	U	620	690	910	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	440	U	440	690	910	ug/Kg
90-12-0	1-Methylnaphthalene	480	U	480	910	910	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	71.265		18-112		48	SPK: -150
13127-88-3	Phenol-d6	62.775		15-107		42	SPK: -150
4165-60-0	Nitrobenzene-d5	43.385		18-107		43	SPK: -100
321-60-8	2-Fluorobiphenyl	46.565		20-109		47	SPK: -100
118-79-6	2,4,6-Tribromophenol	73.265		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	41.95		14-112		42	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	77811	7.893				
1146-65-2	Naphthalene-d8	291086	10.699				
15067-26-2	Acenaphthene-d10	201621	14.545				
1517-22-2	Phenanthrene-d10	446100	17.31				
1719-03-5	Chrysene-d12	452481	21.41				
1520-96-3	Perylene-d12	560625	23.845				



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-1DL	SDG No.:	BP022924
Lab Sample ID:	P1602-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	30.08	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
BP019934.D	5	2/27/2024 12:00:00 AM	2/29/2024 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:	2/20/2024 12:00:00 AM
Project:		Date Received:	2/20/2024 12:00:00 AM
Client Sample ID:	VNJ218	SDG No.:	BP022924
Lab Sample ID:	P1544-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.6
Sample Wt/Vol:	50.04	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
BP019935.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	51.8	U	51.8	180	220	ug/Kg
110-86-1	Pyridine	48.6	U	48.6	87.2	110	ug/Kg
100-52-7	Benzaldehyde	99.2	U	99.2	180	220	ug/Kg
62-53-3	Aniline	78.5	U	78.5	87.2	110	ug/Kg
108-95-2	Phenol	49.9	U	49.9	87.2	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	60.2	U	60.2	87.2	110	ug/Kg
95-57-8	2-Chlorophenol	48.3	U	48.3	87.2	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54.8	U	54.8	87.2	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	59.3	U	59.3	87.2	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	55.3	U	55.3	87.2	110	ug/Kg
100-51-6	Benzyl Alcohol	66.3	U	66.3	180	220	ug/Kg
95-48-7	2-Methylphenol	76.4	U	76.4	87.2	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	70.4	U	70.4	87.2	110	ug/Kg
98-86-2	Acetophenone	58.1	U	58.1	87.2	110	ug/Kg
65794-96-9	3+4-Methylphenols	72.4	U	72.4	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	39.6	U	39.6	53.6	53.6	ug/Kg
67-72-1	Hexachloroethane	49.4	U	49.4	87.2	110	ug/Kg
98-95-3	Nitrobenzene	50.4	U	50.4	87.2	110	ug/Kg
78-59-1	Isophorone	45.7	U	45.7	87.2	110	ug/Kg
88-75-5	2-Nitrophenol	63.8	U	63.8	87.2	110	ug/Kg
105-67-9	2,4-Dimethylphenol	66.8	U	66.8	87.2	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	75.1	U	75.1	87.2	110	ug/Kg
120-83-2	2,4-Dichlorophenol	52.4	U	52.4	87.2	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	52	U	52	87.2	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	180	220	ug/Kg
91-20-3	Naphthalene	54.6	U	54.6	87.2	110	ug/Kg
106-47-8	4-Chloroaniline	70.4	U	70.4	87.2	110	ug/Kg
87-68-3	Hexachlorobutadiene	56.3	U	56.3	87.2	110	ug/Kg
105-60-2	Caprolactam	78.5	U	78.5	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	55.3	U	55.3	87.2	110	ug/Kg
91-57-6	2-Methylnaphthalene	63.6	U	63.6	87.2	110	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:	VNJ218	SDG No.:	BP022924
Lab Sample ID:	P1544-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.6
Sample Wt/Vol:	50.04	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
BP019935.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	51.7	U	51.7	87.2	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	58.9	U	58.9	87.2	110	ug/Kg
92-52-4	1,1-Biphenyl	61.2	U	61.2	87.2	110	ug/Kg
91-58-7	2-Chloronaphthalene	56.7	U	56.7	87.2	110	ug/Kg
88-74-4	2-Nitroaniline	66.6	U	66.6	87.2	110	ug/Kg
131-11-3	Dimethylphthalate	59.6	U	59.6	87.2	110	ug/Kg
208-96-8	Acenaphthylene	180		59.3	87.2	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	60.4	U	60.4	87.2	110	ug/Kg
99-09-2	3-Nitroaniline	62.6	U	62.6	87.2	110	ug/Kg
83-32-9	Acenaphthene	56.5	J	53.8	87.2	110	ug/Kg
Total PAH	Total PAH	27416.5		963.7	87.2	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	220	ug/Kg
100-02-7	4-Nitrophenol	76.4	U	76.4	180	220	ug/Kg
132-64-9	Dibenzofuran	51.6	U	51.6	87.2	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.4	U	127.4	87.2	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	67	U	67	87.2	110	ug/Kg
84-66-2	Diethylphthalate	380		57.6	87.2	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	60.6	U	60.6	87.2	110	ug/Kg
86-73-7	Fluorene	56.9	U	56.9	87.2	110	ug/Kg
100-01-6	4-Nitroaniline	69.7	U	69.7	87.2	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	58.9	U	58.9	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	62.6	U	62.6	87.2	110	ug/Kg
103-33-3	Azobenzene	49.3	U	49.3	87.2	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	65.3	U	65.3	87.2	110	ug/Kg
118-74-1	Hexachlorobenzene	66.3	U	66.3	87.2	110	ug/Kg
1912-24-9	Atrazine	64	U	64	87.2	110	ug/Kg
87-86-5	Pentachlorophenol	74.4	U	74.4	180	220	ug/Kg
85-01-8	Phenanthrene	320		62.2	87.2	110	ug/Kg
120-12-7	Anthracene	200		68.4	87.2	110	ug/Kg
86-74-8	Carbazole	77.2	J	56.9	87.2	110	ug/Kg
84-74-2	Di-n-butylphthalate	69.7	U	69.7	87.2	110	ug/Kg
206-44-0	Fluoranthene	10100	E	63.3	87.2	110	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:	VNJ218	SDG No.:	BP022924
Lab Sample ID:	P1544-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.6
Sample Wt/Vol:	50.04	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
BP019935.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	180	220	ug/Kg
129-00-0	Pyrene	8100	E	56.1	87.2	110	ug/Kg
85-68-7	Butylbenzylphthalate	69.1	U	69.1	87.2	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	2700	E	56.3	87.2	110	ug/Kg
218-01-9	Chrysene	1700		58.2	87.2	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	77.1	U	77.1	87.2	110	ug/Kg
117-84-0	Di-n-octyl phthalate	82.5	U	82.5	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800	E	53.8	87.2	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	660		59.1	87.2	110	ug/Kg
50-32-8	Benzo(a)pyrene	900		63.2	87.2	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	300		71.8	87.2	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120		64.7	87.2	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	280		62	87.2	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	60	U	60	87.2	110	ug/Kg
123-91-1	1,4-Dioxane	78.5	U	78.5	87.2	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	55.6	U	55.6	87.2	110	ug/Kg
90-12-0	1-Methylnaphthalene	60.5	U	60.5	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	108.215		18-112		72	SPK: -150
13127-88-3	Phenol-d6	98.438		15-107		66	SPK: -150
4165-60-0	Nitrobenzene-d5	64.602		18-107		65	SPK: -100
321-60-8	2-Fluorobiphenyl	72.754		20-109		73	SPK: -100
118-79-6	2,4,6-Tribromophenol	121.956		10-110		81	SPK: -150
1718-51-0	Terphenyl-d14	68.976		14-112		69	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	79584	7.893				
1146-65-2	Naphthalene-d8	307747	10.699				
15067-26-2	Acenaphthene-d10	217700	14.545				
1517-22-2	Phenanthrene-d10	497485	17.31				
1719-03-5	Chrysene-d12	501843	21.422				
1520-96-3	Perylene-d12	484609	23.857				

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:	VNJ218	SDG No.:	BP022924
Lab Sample ID:	P1544-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.6
Sample Wt/Vol:	50.04	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
BP019935.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
1000486-97-7	2,4,2,4-Tetramethyl-biphenyl	220	J			16.257	
042224-48-6	2-[2-Phenylethenyl]phenol	250	J			16.84	
036393-42-7	4-(4-Methylphenyl)benzaldehyde	370	J			17.034	
000605-02-7	Naphthalene, 1-phenyl-	300	J			17.834	
000057-10-3	n-Hexadecanoic acid	600	J			18.21	
000832-69-9	Phenanthrene, 1-methyl-	380	J			18.304	
006109-24-6	1a,9b-Dihydro-1H-cyclopropa[a]anth	820	J			18.363	
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	330	J			18.669	
000084-65-1	9,10-Anthracenedione	170	J			18.722	
001576-67-6	Phenanthrene, 3,6-dimethyl-	300	J			18.904	
002789-88-0	di-p-Tolylacetylene	310	J			18.951	
003674-66-6	Phenanthrene, 2,5-dimethyl-	330	J			18.992	
003674-65-5	Phenanthrene, 2,3-dimethyl-	800	J			19.069	
	unknown19.134	610	J			19.134	
007469-40-1	Naphthalene, 1,2-dihydro-4-phenyl-	220	J			19.163	
005737-13-3	Cyclopenta(def)phenanthrenone	2100	J			19.228	
1000324-48-6	Adipic acid, 2-ethylhexyl octyl es	360	J			20.639	
	unknown22.833	750	J			22.833	
000205-82-3	Benzo[j]fluoranthene	300	J			23.304	
000192-97-2	Benzo[e]pyrene	1200	J			23.645	

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-2DL	SDG No.:	BP022924
Lab Sample ID:	P1602-04DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	30.1 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
BP019936.D	5	2/27/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	430	U	430	1500	1800	ug/Kg
110-86-1	Pyridine	410	U	410	730	950	ug/Kg
100-52-7	Benzaldehyde	830	U	830	1500	1800	ug/Kg
62-53-3	Aniline	660	U	660	730	950	ug/Kg
108-95-2	Phenol	420	U	420	730	950	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	500	U	500	730	950	ug/Kg
95-57-8	2-Chlorophenol	400	U	400	730	950	ug/Kg
95-50-1	1,2-Dichlorobenzene	460	U	460	730	950	ug/Kg
541-73-1	1,3-Dichlorobenzene	500	U	500	730	950	ug/Kg
106-46-7	1,4-Dichlorobenzene	460	U	460	730	950	ug/Kg
100-51-6	Benzyl Alcohol	550	U	550	1500	1800	ug/Kg
95-48-7	2-Methylphenol	640	U	640	730	950	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	590	U	590	730	950	ug/Kg
98-86-2	Acetophenone	490	U	490	730	950	ug/Kg
65794-96-9	3+4-Methylphenols	610	U	610	1500	1800	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	330	U	330	450	450	ug/Kg
67-72-1	Hexachloroethane	410	U	410	730	950	ug/Kg
98-95-3	Nitrobenzene	420	U	420	730	950	ug/Kg
78-59-1	Isophorone	380	U	380	730	950	ug/Kg
88-75-5	2-Nitrophenol	530	U	530	730	950	ug/Kg
105-67-9	2,4-Dimethylphenol	560	U	560	730	950	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	630	U	630	730	950	ug/Kg
120-83-2	2,4-Dichlorophenol	440	U	440	730	950	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	430	U	430	730	950	ug/Kg
65-85-0	Benzoic acid	1200	U	1200	1500	1800	ug/Kg
91-20-3	Naphthalene	3000	D	460	730	950	ug/Kg
106-47-8	4-Chloroaniline	590	U	590	730	950	ug/Kg
87-68-3	Hexachlorobutadiene	470	U	470	730	950	ug/Kg
105-60-2	Caprolactam	660	U	660	1500	1800	ug/Kg
59-50-7	4-Chloro-3-methylphenol	460	U	460	730	950	ug/Kg
91-57-6	2-Methylnaphthalene	990	D	530	730	950	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-2DL	SDG No.:	BP022924
Lab Sample ID:	P1602-04DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	30.1 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
BP019936.D	5	2/27/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1200	U	1200	1500	1800	ug/Kg
88-06-2	2,4,6-Trichlorophenol	430	U	430	730	950	ug/Kg
95-95-4	2,4,5-Trichlorophenol	490	U	490	730	950	ug/Kg
92-52-4	1,1-Biphenyl	510	U	510	730	950	ug/Kg
91-58-7	2-Chloronaphthalene	470	U	470	730	950	ug/Kg
88-74-4	2-Nitroaniline	560	U	560	730	950	ug/Kg
131-11-3	Dimethylphthalate	500	U	500	730	950	ug/Kg
208-96-8	Acenaphthylene	670	JD	500	730	950	ug/Kg
606-20-2	2,6-Dinitrotoluene	500	U	500	730	950	ug/Kg
99-09-2	3-Nitroaniline	520	U	520	730	950	ug/Kg
83-32-9	Acenaphthene	1300	D	450	730	950	ug/Kg
Total PAH	Total PAH	55270	D	8070	730	15200	ug/Kg
51-28-5	2,4-Dinitrophenol	1000	U	1000	1500	1800	ug/Kg
100-02-7	4-Nitrophenol	640	U	640	1500	1800	ug/Kg
132-64-9	Dibenzofuran	1200	D	430	730	950	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1060	U	1060	730	1900	ug/Kg
121-14-2	2,4-Dinitrotoluene	560	U	560	730	950	ug/Kg
84-66-2	Diethylphthalate	2700	D	480	730	950	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	510	U	510	730	950	ug/Kg
86-73-7	Fluorene	2100	D	480	730	950	ug/Kg
100-01-6	4-Nitroaniline	580	U	580	730	950	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	490	U	490	1500	1800	ug/Kg
86-30-6	n-Nitrosodiphenylamine	520	U	520	730	950	ug/Kg
103-33-3	Azobenzene	410	U	410	730	950	ug/Kg
101-55-3	4-Bromophenyl-phenylether	550	U	550	730	950	ug/Kg
118-74-1	Hexachlorobenzene	550	U	550	730	950	ug/Kg
1912-24-9	Atrazine	530	U	530	730	950	ug/Kg
87-86-5	Pentachlorophenol	620	U	620	1500	1800	ug/Kg
85-01-8	Phenanthrene	9700	D	520	730	950	ug/Kg
120-12-7	Anthracene	2400	D	570	730	950	ug/Kg
86-74-8	Carbazole	930	JD	480	730	950	ug/Kg
84-74-2	Di-n-butylphthalate	580	U	580	730	950	ug/Kg
206-44-0	Fluoranthene	8900	D	530	730	950	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-2DL	SDG No.:	BP022924
Lab Sample ID:	P1602-04DL	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
BP019936.D	5	2/27/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1100	U	1100	1500	1800	ug/Kg
129-00-0	Pyrene	7100	D	470	730	950	ug/Kg
85-68-7	Butylbenzylphthalate	580	U	580	730	950	ug/Kg
91-94-1	3,3-Dichlorobenzidine	900	U	900	1500	1800	ug/Kg
56-55-3	Benzo(a)anthracene	3900	D	470	730	950	ug/Kg
218-01-9	Chrysene	3400	D	490	730	950	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	640	U	640	730	950	ug/Kg
117-84-0	Di-n-octyl phthalate	690	U	690	1500	1800	ug/Kg
205-99-2	Benzo(b)fluoranthene	4500	D	450	730	950	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700	D	490	730	950	ug/Kg
50-32-8	Benzo(a)pyrene	3300	D	530	730	950	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600	D	600	730	950	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	540	U	540	730	950	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700	D	520	730	950	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	500	U	500	730	950	ug/Kg
123-91-1	1,4-Dioxane	660	U	660	730	950	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	460	U	460	730	950	ug/Kg
90-12-0	1-Methylnaphthalene	670	JD	510	950	950	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	78.485		18-112		52	SPK: -150
13127-88-3	Phenol-d6	73.02		15-107		49	SPK: -150
4165-60-0	Nitrobenzene-d5	47.93		18-107		48	SPK: -100
321-60-8	2-Fluorobiphenyl	50.395		20-109		50	SPK: -100
118-79-6	2,4,6-Tribromophenol	85.675		10-110		57	SPK: -150
1718-51-0	Terphenyl-d14	46.485		14-112		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	66504	7.893				
1146-65-2	Naphthalene-d8	257701	10.699				
15067-26-2	Acenaphthene-d10	184375	14.54				
1517-22-2	Phenanthrene-d10	422276	17.31				
1719-03-5	Chrysene-d12	443515	21.416				
1520-96-3	Perylene-d12	478654	23.845				



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-2DL	SDG No.:	BP022924
Lab Sample ID:	P1602-04DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	30.1	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
BP019936.D	5	2/27/2024 12:00:00 AM	2/29/2024 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:	2/20/2024 12:00:00 AM
Project:		Date Received:	2/20/2024 12:00:00 AM
Client Sample ID:	VNJ218DL	SDG No.:	BP022924
Lab Sample ID:	P1544-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.6
Sample Wt/Vol:	50.04	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
BP019937.D	10	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	520	U	520	1800	2200	ug/Kg
110-86-1	Pyridine	490	U	490	870	1100	ug/Kg
100-52-7	Benzaldehyde	990	U	990	1800	2200	ug/Kg
62-53-3	Aniline	780	U	780	870	1100	ug/Kg
108-95-2	Phenol	500	U	500	870	1100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	600	U	600	870	1100	ug/Kg
95-57-8	2-Chlorophenol	480	U	480	870	1100	ug/Kg
95-50-1	1,2-Dichlorobenzene	550	U	550	870	1100	ug/Kg
541-73-1	1,3-Dichlorobenzene	590	U	590	870	1100	ug/Kg
106-46-7	1,4-Dichlorobenzene	550	U	550	870	1100	ug/Kg
100-51-6	Benzyl Alcohol	660	U	660	1800	2200	ug/Kg
95-48-7	2-Methylphenol	760	U	760	870	1100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	700	U	700	870	1100	ug/Kg
98-86-2	Acetophenone	580	U	580	870	1100	ug/Kg
65794-96-9	3+4-Methylphenols	720	U	720	1800	2200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	400	U	400	540	540	ug/Kg
67-72-1	Hexachloroethane	490	U	490	870	1100	ug/Kg
98-95-3	Nitrobenzene	500	U	500	870	1100	ug/Kg
78-59-1	Isophorone	460	U	460	870	1100	ug/Kg
88-75-5	2-Nitrophenol	640	U	640	870	1100	ug/Kg
105-67-9	2,4-Dimethylphenol	670	U	670	870	1100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	750	U	750	870	1100	ug/Kg
120-83-2	2,4-Dichlorophenol	520	U	520	870	1100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	520	U	520	870	1100	ug/Kg
65-85-0	Benzoic acid	1400	U	1400	1800	2200	ug/Kg
91-20-3	Naphthalene	550	U	550	870	1100	ug/Kg
106-47-8	4-Chloroaniline	700	U	700	870	1100	ug/Kg
87-68-3	Hexachlorobutadiene	560	U	560	870	1100	ug/Kg
105-60-2	Caprolactam	780	U	780	1800	2200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	550	U	550	870	1100	ug/Kg
91-57-6	2-Methylnaphthalene	640	U	640	870	1100	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:	VNJ218DL	SDG No.:	BP022924
Lab Sample ID:	P1544-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.6
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019937.D	10	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1400	U	1400	1800	2200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	520	U	520	870	1100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	590	U	590	870	1100	ug/Kg
92-52-4	1,1-Biphenyl	610	U	610	870	1100	ug/Kg
91-58-7	2-Chloronaphthalene	570	U	570	870	1100	ug/Kg
88-74-4	2-Nitroaniline	670	U	670	870	1100	ug/Kg
131-11-3	Dimethylphthalate	600	U	600	870	1100	ug/Kg
208-96-8	Acenaphthylene	590	U	590	870	1100	ug/Kg
606-20-2	2,6-Dinitrotoluene	600	U	600	870	1100	ug/Kg
99-09-2	3-Nitroaniline	630	U	630	870	1100	ug/Kg
83-32-9	Acenaphthene	540	U	540	870	1100	ug/Kg
Total PAH	Total PAH	24540	UD	9630	870	17600	ug/Kg
51-28-5	2,4-Dinitrophenol	1200	U	1200	1800	2200	ug/Kg
100-02-7	4-Nitrophenol	760	U	760	1800	2200	ug/Kg
132-64-9	Dibenzofuran	520	U	520	870	1100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	270	U	1270	870	2200	ug/Kg
121-14-2	2,4-Dinitrotoluene	670	U	670	870	1100	ug/Kg
84-66-2	Diethylphthalate	2100	D	580	870	1100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	610	U	610	870	1100	ug/Kg
86-73-7	Fluorene	570	U	570	870	1100	ug/Kg
100-01-6	4-Nitroaniline	700	U	700	870	1100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	590	U	590	1800	2200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	630	U	630	870	1100	ug/Kg
103-33-3	Azobenzene	490	U	490	870	1100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	650	U	650	870	1100	ug/Kg
118-74-1	Hexachlorobenzene	660	U	660	870	1100	ug/Kg
1912-24-9	Atrazine	640	U	640	870	1100	ug/Kg
87-86-5	Pentachlorophenol	740	U	740	1800	2200	ug/Kg
85-01-8	Phenanthrene	620	U	620	870	1100	ug/Kg
120-12-7	Anthracene	680	U	680	870	1100	ug/Kg
86-74-8	Carbazole	570	U	570	870	1100	ug/Kg
84-74-2	Di-n-butylphthalate	700	U	700	870	1100	ug/Kg
206-44-0	Fluoranthene	10000	D	630	870	1100	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:	VNJ218DL	SDG No.:	BP022924
Lab Sample ID:	P1544-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.6
Sample Wt/Vol:	50.04	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
BP019937.D	10	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1300	U	1300	1800	2200	ug/Kg
129-00-0	Pyrene	7500	D	560	870	1100	ug/Kg
85-68-7	Butylbenzylphthalate	690	U	690	870	1100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100	U	1100	1800	2200	ug/Kg
56-55-3	Benzo(a)anthracene	2500	D	560	870	1100	ug/Kg
218-01-9	Chrysene	1500	D	580	870	1100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	770	U	770	870	1100	ug/Kg
117-84-0	Di-n-octyl phthalate	820	U	820	1800	2200	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600	D	540	870	1100	ug/Kg
207-08-9	Benzo(k)fluoranthene	610	JD	590	870	1100	ug/Kg
50-32-8	Benzo(a)pyrene	830	JD	630	870	1100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	720	U	720	870	1100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	650	U	650	870	1100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	620	U	620	870	1100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	600	U	600	870	1100	ug/Kg
123-91-1	1,4-Dioxane	780	U	780	870	1100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	560	U	560	870	1100	ug/Kg
90-12-0	1-Methylnaphthalene	600	U	600	1100	1100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	94.09		18-112		63	SPK: -150
13127-88-3	Phenol-d6	83.53		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	58.81		18-107		59	SPK: -100
321-60-8	2-Fluorobiphenyl	65.33		20-109		65	SPK: -100
118-79-6	2,4,6-Tribromophenol	102.4		10-110		68	SPK: -150
1718-51-0	Terphenyl-d14	64.53		14-112		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	74567	7.893				
1146-65-2	Naphthalene-d8	288934	10.698				
15067-26-2	Acenaphthene-d10	213181	14.539				
1517-22-2	Phenanthrene-d10	500562	17.304				
1719-03-5	Chrysene-d12	515791	21.41				
1520-96-3	Perylene-d12	536009	23.845				



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:	VNJ218DL	SDG No.:	BP022924
Lab Sample ID:	P1544-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.6
Sample Wt/Vol:	50.04	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
BP019937.D	10	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

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-4DL	SDG No.:	BP022924
Lab Sample ID:	P1602-10DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019938.D	5	2/27/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	440	U	440	1500	1900	ug/Kg
110-86-1	Pyridine	410	U	410	730	960	ug/Kg
100-52-7	Benzaldehyde	840	U	840	1500	1900	ug/Kg
62-53-3	Aniline	660	U	660	730	960	ug/Kg
108-95-2	Phenol	420	U	420	730	960	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	510	U	510	730	960	ug/Kg
95-57-8	2-Chlorophenol	410	U	410	730	960	ug/Kg
95-50-1	1,2-Dichlorobenzene	460	U	460	730	960	ug/Kg
541-73-1	1,3-Dichlorobenzene	500	U	500	730	960	ug/Kg
106-46-7	1,4-Dichlorobenzene	470	U	470	730	960	ug/Kg
100-51-6	Benzyl Alcohol	560	U	560	1500	1900	ug/Kg
95-48-7	2-Methylphenol	640	U	640	730	960	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	590	U	590	730	960	ug/Kg
98-86-2	Acetophenone	490	U	490	730	960	ug/Kg
65794-96-9	3+4-Methylphenols	610	U	610	1500	1900	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	330	U	330	450	450	ug/Kg
67-72-1	Hexachloroethane	420	U	420	730	960	ug/Kg
98-95-3	Nitrobenzene	420	U	420	730	960	ug/Kg
78-59-1	Isophorone	380	U	380	730	960	ug/Kg
88-75-5	2-Nitrophenol	540	U	540	730	960	ug/Kg
105-67-9	2,4-Dimethylphenol	560	U	560	730	960	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	630	U	630	730	960	ug/Kg
120-83-2	2,4-Dichlorophenol	440	U	440	730	960	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	440	U	440	730	960	ug/Kg
65-85-0	Benzoic acid	1200	U	1200	1500	1900	ug/Kg
91-20-3	Naphthalene	460	U	460	730	960	ug/Kg
106-47-8	4-Chloroaniline	590	U	590	730	960	ug/Kg
87-68-3	Hexachlorobutadiene	470	U	470	730	960	ug/Kg
105-60-2	Caprolactam	660	U	660	1500	1900	ug/Kg
59-50-7	4-Chloro-3-methylphenol	470	U	470	730	960	ug/Kg
91-57-6	2-Methylnaphthalene	540	U	540	730	960	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-4DL	SDG No.:	BP022924
Lab Sample ID:	P1602-10DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019938.D	5	2/27/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1200	U	1200	1500	1900	ug/Kg
88-06-2	2,4,6-Trichlorophenol	440	U	440	730	960	ug/Kg
95-95-4	2,4,5-Trichlorophenol	500	U	500	730	960	ug/Kg
92-52-4	1,1-Biphenyl	520	U	520	730	960	ug/Kg
91-58-7	2-Chloronaphthalene	480	U	480	730	960	ug/Kg
88-74-4	2-Nitroaniline	560	U	560	730	960	ug/Kg
131-11-3	Dimethylphthalate	500	U	500	730	960	ug/Kg
208-96-8	Acenaphthylene	1400	D	500	730	960	ug/Kg
606-20-2	2,6-Dinitrotoluene	510	U	510	730	960	ug/Kg
99-09-2	3-Nitroaniline	530	U	530	730	960	ug/Kg
83-32-9	Acenaphthene	450	U	450	730	960	ug/Kg
Total PAH	Total PAH	31080	UD	8100	730	15360	ug/Kg
51-28-5	2,4-Dinitrophenol	1000	U	1000	1500	1900	ug/Kg
100-02-7	4-Nitrophenol	640	U	640	1500	1900	ug/Kg
132-64-9	Dibenzofuran	430	U	430	730	960	ug/Kg
121-14-2	2,4-Dinitrotoluene	560	U	560	730	960	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1070	U	1070	730	1920	ug/Kg
84-66-2	Diethylphthalate	1400	D	490	730	960	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	510	U	510	730	960	ug/Kg
86-73-7	Fluorene	480	U	480	730	960	ug/Kg
100-01-6	4-Nitroaniline	590	U	590	730	960	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	500	U	500	1500	1900	ug/Kg
86-30-6	n-Nitrosodiphenylamine	530	U	530	730	960	ug/Kg
103-33-3	Azobenzene	420	U	420	730	960	ug/Kg
101-55-3	4-Bromophenyl-phenylether	550	U	550	730	960	ug/Kg
118-74-1	Hexachlorobenzene	560	U	560	730	960	ug/Kg
1912-24-9	Atrazine	540	U	540	730	960	ug/Kg
87-86-5	Pentachlorophenol	630	U	630	1500	1900	ug/Kg
85-01-8	Phenanthrene	3500	D	520	730	960	ug/Kg
120-12-7	Anthracene	880	JD	580	730	960	ug/Kg
86-74-8	Carbazole	480	U	480	730	960	ug/Kg
84-74-2	Di-n-butylphthalate	590	U	590	730	960	ug/Kg
206-44-0	Fluoranthene	5000	D	530	730	960	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-4DL	SDG No.:	BP022924
Lab Sample ID:	P1602-10DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019938.D	5	2/27/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1100	U	1100	1500	1900	ug/Kg
129-00-0	Pyrene	5400	D	470	730	960	ug/Kg
85-68-7	Butylbenzylphthalate	580	U	580	730	960	ug/Kg
91-94-1	3,3-Dichlorobenzidine	910	U	910	1500	1900	ug/Kg
56-55-3	Benzo(a)anthracene	2500	D	470	730	960	ug/Kg
218-01-9	Chrysene	2800	D	490	730	960	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	650	U	650	730	960	ug/Kg
117-84-0	Di-n-octyl phthalate	690	U	690	1500	1900	ug/Kg
205-99-2	Benzo(b)fluoranthene	3200	D	450	730	960	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100	D	500	730	960	ug/Kg
50-32-8	Benzo(a)pyrene	2500	D	530	730	960	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300	D	600	730	960	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	550	U	550	730	960	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500	D	520	730	960	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	500	U	500	730	960	ug/Kg
123-91-1	1,4-Dioxane	660	U	660	730	960	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	470	U	470	730	960	ug/Kg
90-12-0	1-Methylnaphthalene	510	U	510	960	960	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	88.67		18-112		59	SPK: -150
13127-88-3	Phenol-d6	78.445		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	52.5		18-107		52	SPK: -100
321-60-8	2-Fluorobiphenyl	55.765		20-109		56	SPK: -100
118-79-6	2,4,6-Tribromophenol	94.315		10-110		63	SPK: -150
1718-51-0	Terphenyl-d14	50.015		14-112		50	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	69299	7.893				
1146-65-2	Naphthalene-d8	262966	10.699				
15067-26-2	Acenaphthene-d10	184472	14.54				
1517-22-2	Phenanthrene-d10	426959	17.304				
1719-03-5	Chrysene-d12	453129	21.41				
1520-96-3	Perylene-d12	489035	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-4DL	SDG No.:	BP022924
Lab Sample ID:	P1602-10DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	30.04	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
BP019938.D	5	2/27/2024 12:00:00 AM	2/29/2024 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:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-6	SDG No.:	BP022924
Lab Sample ID:	P1639-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.07	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
BP019939.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

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

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-6	SDG No.:	BP022924
Lab Sample ID:	P1639-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.07	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
BP019939.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

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	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	52.7	U	52.7	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	54.7	U	54.7	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	50.7	U	50.7	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	59.5	U	59.5	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	53.3	U	53.3	77.9	100	ug/Kg
208-96-8	Acenaphthylene	53	U	53	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.9	U	53.9	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	56	U	56	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.1	U	48.1	77.9	100	ug/Kg
Total PAH	Total PAH	861	U	861	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	160	200	ug/Kg
100-02-7	4-Nitrophenol	68.3	U	68.3	160	200	ug/Kg
132-64-9	Dibenzofuran	46.1	U	46.1	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	113.8	U	113.8	77.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.9	U	59.9	77.9	100	ug/Kg
84-66-2	Diethylphthalate	80.7	J	51.5	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.2	U	54.2	77.9	100	ug/Kg
86-73-7	Fluorene	50.8	U	50.8	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	62.3	U	62.3	77.9	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	77.9	100	ug/Kg
103-33-3	Azobenzene	44	U	44	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	58.4	U	58.4	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	59.2	U	59.2	77.9	100	ug/Kg
1912-24-9	Atrazine	57.2	U	57.2	77.9	100	ug/Kg
87-86-5	Pentachlorophenol	66.5	U	66.5	160	200	ug/Kg
85-01-8	Phenanthrene	55.5	U	55.5	77.9	100	ug/Kg
120-12-7	Anthracene	61.1	U	61.1	77.9	100	ug/Kg
86-74-8	Carbazole	50.9	U	50.9	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	62.3	U	62.3	77.9	100	ug/Kg
206-44-0	Fluoranthene	56.6	U	56.6	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-6	SDG No.:	BP022924
Lab Sample ID:	P1639-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019939.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

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	50.1	U	50.1	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	61.7	U	61.7	77.9	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	77.9	100	ug/Kg
218-01-9	Chrysene	52	U	52	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.9	U	68.9	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	73.7	U	73.7	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.1	U	48.1	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	52.8	U	52.8	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	56.5	U	56.5	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	64.1	U	64.1	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	57.8	U	57.8	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	55.4	U	55.4	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	53.6	U	53.6	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	70.1	U	70.1	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.7	U	49.7	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	54	U	54	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	91.953		18-112		61	SPK: -150
13127-88-3	Phenol-d6	84.113		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	55.443		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	63.588		20-109		64	SPK: -100
118-79-6	2,4,6-Tribromophenol	108.498		10-110		72	SPK: -150
1718-51-0	Terphenyl-d14	67.435		14-112		67	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	87237	7.893				
1146-65-2	Naphthalene-d8	322316	10.698				
15067-26-2	Acenaphthene-d10	226437	14.539				
1517-22-2	Phenanthrene-d10	529970	17.304				
1719-03-5	Chrysene-d12	524383	21.41				
1520-96-3	Perylene-d12	541227	23.839				



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

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-6	SDG No.:	BP022924
Lab Sample ID:	P1639-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019939.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	190	J			18.204	
000057-11-4	Octadecanoic acid	54.9	J			19.439	
1000324-48-6	Adipic acid, 2-ethylhexyl octyl es	1600	J			20.627	
016980-85-1	Pentacos-1-ene	85.5	J			21.127	

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-6MS	SDG No.:	BP022924
Lab Sample ID:	P1639-11MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.8
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019940.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	960		52	180	220	ug/Kg
110-86-1	Pyridine	750		48.7	87.4	110	ug/Kg
100-52-7	Benzaldehyde	170	J	99.5	180	220	ug/Kg
62-53-3	Aniline	430		78.7	87.4	110	ug/Kg
108-95-2	Phenol	930		50	87.4	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	850		60.4	87.4	110	ug/Kg
95-57-8	2-Chlorophenol	1000		48.4	87.4	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	980		54.9	87.4	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		59.5	87.4	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		55.4	87.4	110	ug/Kg
100-51-6	Benzyl Alcohol	860		66.4	180	220	ug/Kg
95-48-7	2-Methylphenol	830		76.7	87.4	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	800		70.6	87.4	110	ug/Kg
98-86-2	Acetophenone	890		58.3	87.4	110	ug/Kg
65794-96-9	3+4-Methylphenols	800		72.6	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	770		39.7	53.8	53.8	ug/Kg
67-72-1	Hexachloroethane	1000		49.5	87.4	110	ug/Kg
98-95-3	Nitrobenzene	890		50.6	87.4	110	ug/Kg
78-59-1	Isophorone	900		45.8	87.4	110	ug/Kg
88-75-5	2-Nitrophenol	1000		63.9	87.4	110	ug/Kg
105-67-9	2,4-Dimethylphenol	860		67	87.4	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	910		75.3	87.4	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		52.5	87.4	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100		52.1	87.4	110	ug/Kg
65-85-0	Benzoic acid	990		140	180	220	ug/Kg
91-20-3	Naphthalene	980		54.7	87.4	110	ug/Kg
106-47-8	4-Chloroaniline	330		70.6	87.4	110	ug/Kg
87-68-3	Hexachlorobutadiene	1100		56.5	87.4	110	ug/Kg
105-60-2	Caprolactam	940		78.7	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	970		55.5	87.4	110	ug/Kg
91-57-6	2-Methylnaphthalene	910		63.8	87.4	110	ug/Kg

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-6MS	SDG No.:	BP022924
Lab Sample ID:	P1639-11MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.8
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019940.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1400		140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		51.8	87.4	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	990		59.1	87.4	110	ug/Kg
92-52-4	1,1-Biphenyl	1000		61.4	87.4	110	ug/Kg
91-58-7	2-Chloronaphthalene	1100		56.9	87.4	110	ug/Kg
88-74-4	2-Nitroaniline	960		66.8	87.4	110	ug/Kg
131-11-3	Dimethylphthalate	960		59.8	87.4	110	ug/Kg
208-96-8	Acenaphthylene	1000		59.4	87.4	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	990		60.5	87.4	110	ug/Kg
99-09-2	3-Nitroaniline	630		62.8	87.4	110	ug/Kg
83-32-9	Acenaphthene	980		54	87.4	110	ug/Kg
Total PAH	Total PAH	15880		966.2	87.4	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	2000	E	120	180	220	ug/Kg
100-02-7	4-Nitrophenol	2200	E	76.7	180	220	ug/Kg
132-64-9	Dibenzofuran	1000		51.7	87.4	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	990		127.7	87.4	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		67.2	87.4	110	ug/Kg
84-66-2	Diethylphthalate	1100		57.8	87.4	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		60.8	87.4	110	ug/Kg
86-73-7	Fluorene	1000		57	87.4	110	ug/Kg
100-01-6	4-Nitroaniline	960		69.9	87.4	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	980		59	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	980		62.7	87.4	110	ug/Kg
103-33-3	Azobenzene	970		49.4	87.4	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		65.5	87.4	110	ug/Kg
118-74-1	Hexachlorobenzene	1100		66.4	87.4	110	ug/Kg
1912-24-9	Atrazine	1000		64.1	87.4	110	ug/Kg
87-86-5	Pentachlorophenol	2100	E	74.6	180	220	ug/Kg
85-01-8	Phenanthrene	1000		62.3	87.4	110	ug/Kg
120-12-7	Anthracene	1000		68.6	87.4	110	ug/Kg
86-74-8	Carbazole	1000		57.1	87.4	110	ug/Kg
84-74-2	Di-n-butylphthalate	990		69.9	87.4	110	ug/Kg
206-44-0	Fluoranthene	1000		63.5	87.4	110	ug/Kg

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-6MS	SDG No.:	BP022924
Lab Sample ID:	P1639-11MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.8
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019940.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1200		130	180	220	ug/Kg
129-00-0	Pyrene	1000		56.3	87.4	110	ug/Kg
85-68-7	Butylbenzylphthalate	950		69.3	87.4	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	760		110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1000		56.4	87.4	110	ug/Kg
218-01-9	Chrysene	1000		58.4	87.4	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	940		77.3	87.4	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1000		82.7	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		54	87.4	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000		59.2	87.4	110	ug/Kg
50-32-8	Benzo(a)pyrene	980		63.4	87.4	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	970		71.9	87.4	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	970		64.9	87.4	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	900		62.2	87.4	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		60.1	87.4	110	ug/Kg
123-91-1	1,4-Dioxane	840		78.7	87.4	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		55.7	87.4	110	ug/Kg
90-12-0	1-Methylnaphthalene	920		60.6	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	93.329		18-112		62	SPK: -150
13127-88-3	Phenol-d6	86.287		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	55.248		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	61.143		20-109		61	SPK: -100
118-79-6	2,4,6-Tribromophenol	107.984		10-110		72	SPK: -150
1718-51-0	Terphenyl-d14	61.287		14-112		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	74963	7.893				
1146-65-2	Naphthalene-d8	281700	10.698				
15067-26-2	Acenaphthene-d10	207138	14.539				
1517-22-2	Phenanthrene-d10	497705	17.304				
1719-03-5	Chrysene-d12	541007	21.415				
1520-96-3	Perylene-d12	594439	23.839				



Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-6MS	SDG No.:	BP022924
Lab Sample ID:	P1639-11MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.8
Sample Wt/Vol:	50.02	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
BP019940.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

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

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-6MSD	SDG No.:	BP022924
Lab Sample ID:	P1639-11MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.8
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019941.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	900		52	180	220	ug/Kg
110-86-1	Pyridine	710		48.7	87.4	110	ug/Kg
100-52-7	Benzaldehyde	160	J	99.5	180	220	ug/Kg
62-53-3	Aniline	400		78.6	87.4	110	ug/Kg
108-95-2	Phenol	890		50	87.4	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	820		60.4	87.4	110	ug/Kg
95-57-8	2-Chlorophenol	940		48.4	87.4	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	940		54.9	87.4	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	960		59.5	87.4	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	980		55.4	87.4	110	ug/Kg
100-51-6	Benzyl Alcohol	830		66.4	180	220	ug/Kg
95-48-7	2-Methylphenol	790		76.6	87.4	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	770		70.6	87.4	110	ug/Kg
98-86-2	Acetophenone	820		58.3	87.4	110	ug/Kg
65794-96-9	3+4-Methylphenols	750		72.6	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	730		39.7	53.8	53.8	ug/Kg
67-72-1	Hexachloroethane	930		49.5	87.4	110	ug/Kg
98-95-3	Nitrobenzene	830		50.5	87.4	110	ug/Kg
78-59-1	Isophorone	830		45.8	87.4	110	ug/Kg
88-75-5	2-Nitrophenol	950		63.9	87.4	110	ug/Kg
105-67-9	2,4-Dimethylphenol	770		66.9	87.4	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	840		75.3	87.4	110	ug/Kg
120-83-2	2,4-Dichlorophenol	980		52.5	87.4	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		52.1	87.4	110	ug/Kg
65-85-0	Benzoic acid	930		140	180	220	ug/Kg
91-20-3	Naphthalene	920		54.7	87.4	110	ug/Kg
106-47-8	4-Chloroaniline	320		70.6	87.4	110	ug/Kg
87-68-3	Hexachlorobutadiene	980		56.5	87.4	110	ug/Kg
105-60-2	Caprolactam	840		78.6	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	890		55.4	87.4	110	ug/Kg
91-57-6	2-Methylnaphthalene	850		63.8	87.4	110	ug/Kg

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-6MSD	SDG No.:	BP022924
Lab Sample ID:	P1639-11MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.8
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019941.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1100		140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		51.8	87.4	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	930		59.1	87.4	110	ug/Kg
92-52-4	1,1-Biphenyl	950		61.4	87.4	110	ug/Kg
91-58-7	2-Chloronaphthalene	980		56.9	87.4	110	ug/Kg
88-74-4	2-Nitroaniline	900		66.7	87.4	110	ug/Kg
131-11-3	Dimethylphthalate	880		59.8	87.4	110	ug/Kg
208-96-8	Acenaphthylene	980		59.4	87.4	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	910		60.5	87.4	110	ug/Kg
99-09-2	3-Nitroaniline	600		62.8	87.4	110	ug/Kg
83-32-9	Acenaphthene	920		54	87.4	110	ug/Kg
Total PAH	Total PAH	15090		966	87.4	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	1700		120	180	220	ug/Kg
100-02-7	4-Nitrophenol	2000	E	76.6	180	220	ug/Kg
132-64-9	Dibenzofuran	950		51.7	87.4	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	940		67.1	87.4	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	850		127.6	87.4	220	ug/Kg
84-66-2	Diethylphthalate	950		57.7	87.4	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	940		60.8	87.4	110	ug/Kg
86-73-7	Fluorene	950		57	87.4	110	ug/Kg
100-01-6	4-Nitroaniline	900		69.9	87.4	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	860		59	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	920		62.7	87.4	110	ug/Kg
103-33-3	Azobenzene	900		49.4	87.4	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	930		65.5	87.4	110	ug/Kg
118-74-1	Hexachlorobenzene	1000		66.4	87.4	110	ug/Kg
1912-24-9	Atrazine	920		64.1	87.4	110	ug/Kg
87-86-5	Pentachlorophenol	1900	E	74.6	180	220	ug/Kg
85-01-8	Phenanthrene	960		62.3	87.4	110	ug/Kg
120-12-7	Anthracene	940		68.6	87.4	110	ug/Kg
86-74-8	Carbazole	970		57.1	87.4	110	ug/Kg
84-74-2	Di-n-butylphthalate	910		69.9	87.4	110	ug/Kg
206-44-0	Fluoranthene	970		63.4	87.4	110	ug/Kg

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-6MSD	SDG No.:	BP022924
Lab Sample ID:	P1639-11MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.8
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019941.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1100		130	180	220	ug/Kg
129-00-0	Pyrene	940		56.3	87.4	110	ug/Kg
85-68-7	Butylbenzylphthalate	870		69.2	87.4	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	750		110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	960		56.4	87.4	110	ug/Kg
218-01-9	Chrysene	940		58.3	87.4	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	850		77.3	87.4	110	ug/Kg
117-84-0	Di-n-octyl phthalate	920		82.7	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		54	87.4	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	970		59.2	87.4	110	ug/Kg
50-32-8	Benzo(a)pyrene	940		63.4	87.4	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	920		71.9	87.4	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	910		64.9	87.4	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	870		62.2	87.4	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		60.1	87.4	110	ug/Kg
123-91-1	1,4-Dioxane	780		78.6	87.4	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	990		55.7	87.4	110	ug/Kg
90-12-0	1-Methylnaphthalene	860		60.6	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	89.475		18-112		60	SPK: -150
13127-88-3	Phenol-d6	83.227		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	51.642		18-107		52	SPK: -100
321-60-8	2-Fluorobiphenyl	58.034		20-109		58	SPK: -100
118-79-6	2,4,6-Tribromophenol	100.116		10-110		67	SPK: -150
1718-51-0	Terphenyl-d14	56.505		14-112		57	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	70732	7.893				
1146-65-2	Naphthalene-d8	274140	10.699				
15067-26-2	Acenaphthene-d10	197501	14.54				
1517-22-2	Phenanthrene-d10	470027	17.304				
1719-03-5	Chrysene-d12	504115	21.41				
1520-96-3	Perylene-d12	536206	23.839				



Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-6MSD	SDG No.:	BP022924
Lab Sample ID:	P1639-11MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.8
Sample Wt/Vol:	50.04	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
BP019941.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

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

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-3	SDG No.:	BP022924
Lab Sample ID:	P1620-21	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.05	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
BP019942.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	46.3	U	46.3	160	200	ug/Kg
110-86-1	Pyridine	43.4	U	43.4	77.9	100	ug/Kg
100-52-7	Benzaldehyde	88.7	U	88.7	160	200	ug/Kg
62-53-3	Aniline	70.1	U	70.1	77.9	100	ug/Kg
108-95-2	Phenol	44.6	U	44.6	77.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.8	U	53.8	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	43.2	U	43.2	77.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	49	U	49	77.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	53	U	53	77.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	49.4	U	49.4	77.9	100	ug/Kg
100-51-6	Benzyl Alcohol	59.2	U	59.2	160	200	ug/Kg
95-48-7	2-Methylphenol	68.3	U	68.3	77.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	62.9	U	62.9	77.9	100	ug/Kg
98-86-2	Acetophenone	52	U	52	77.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	64.7	U	64.7	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	77.9	100	ug/Kg
98-95-3	Nitrobenzene	45.1	U	45.1	77.9	100	ug/Kg
78-59-1	Isophorone	40.8	U	40.8	77.9	100	ug/Kg
88-75-5	2-Nitrophenol	57	U	57	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	59.7	U	59.7	77.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	67.1	U	67.1	77.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	46.8	U	46.8	77.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	46.5	U	46.5	77.9	100	ug/Kg
65-85-0	Benzoic acid	130	U	130	160	200	ug/Kg
91-20-3	Naphthalene	48.8	U	48.8	77.9	100	ug/Kg
106-47-8	4-Chloroaniline	62.9	U	62.9	77.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	50.3	U	50.3	77.9	100	ug/Kg
105-60-2	Caprolactam	70.1	U	70.1	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.5	U	49.5	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	56.9	U	56.9	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-3	SDG No.:	BP022924
Lab Sample ID:	P1620-21	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.05	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
BP019942.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

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	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	52.7	U	52.7	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	54.7	U	54.7	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	50.7	U	50.7	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	59.5	U	59.5	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	53.3	U	53.3	77.9	100	ug/Kg
208-96-8	Acenaphthylene	53	U	53	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.9	U	53.9	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	56	U	56	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.1	U	48.1	77.9	100	ug/Kg
Total PAH	Total PAH	861.2	U	861.2	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	160	200	ug/Kg
100-02-7	4-Nitrophenol	68.3	U	68.3	160	200	ug/Kg
132-64-9	Dibenzofuran	46.1	U	46.1	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	113.8	U	113.8	77.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.9	U	59.9	77.9	100	ug/Kg
84-66-2	Diethylphthalate	51.5	U	51.5	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.2	U	54.2	77.9	100	ug/Kg
86-73-7	Fluorene	50.8	U	50.8	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	62.3	U	62.3	77.9	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	77.9	100	ug/Kg
103-33-3	Azobenzene	44.1	U	44.1	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	58.4	U	58.4	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	59.2	U	59.2	77.9	100	ug/Kg
1912-24-9	Atrazine	57.2	U	57.2	77.9	100	ug/Kg
87-86-5	Pentachlorophenol	66.5	U	66.5	160	200	ug/Kg
85-01-8	Phenanthrene	55.6	U	55.6	77.9	100	ug/Kg
120-12-7	Anthracene	61.1	U	61.1	77.9	100	ug/Kg
86-74-8	Carbazole	50.9	U	50.9	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	62.3	U	62.3	77.9	100	ug/Kg
206-44-0	Fluoranthene	56.6	U	56.6	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-3	SDG No.:	BP022924
Lab Sample ID:	P1620-21	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019942.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

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	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	61.7	U	61.7	77.9	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	77.9	100	ug/Kg
218-01-9	Chrysene	52	U	52	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.9	U	68.9	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	73.7	U	73.7	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.1	U	48.1	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	52.8	U	52.8	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	56.5	U	56.5	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	64.1	U	64.1	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	57.8	U	57.8	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	55.4	U	55.4	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	53.6	U	53.6	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	70.1	U	70.1	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.7	U	49.7	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	54.1	U	54.1	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	69.885		18-112		47	SPK: -150
13127-88-3	Phenol-d6	63.126		15-107		42	SPK: -150
4165-60-0	Nitrobenzene-d5	42.702		18-107		43	SPK: -100
321-60-8	2-Fluorobiphenyl	47.138		20-109		47	SPK: -100
118-79-6	2,4,6-Tribromophenol	74.06		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	46.32		14-112		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	76788	7.892				
1146-65-2	Naphthalene-d8	291692	10.698				
15067-26-2	Acenaphthene-d10	207382	14.539				
1517-22-2	Phenanthrene-d10	481672	17.304				
1719-03-5	Chrysene-d12	482886	21.403				
1520-96-3	Perylene-d12	489655	23.833				



Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-3	SDG No.:	BP022924
Lab Sample ID:	P1620-21	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019942.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	120	J			18.198	
000103-23-1	Hexanedioic acid, bis(2-ethylhexyl	1200	J			20.627	
1000351-78-2	Heptacosyl acetate	63.1	J			21.121	

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-4	SDG No.:	BP022924
Lab Sample ID:	P1620-31	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019943.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

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

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-4	SDG No.:	BP022924
Lab Sample ID:	P1620-31	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019943.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

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	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	52.7	U	52.7	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	54.7	U	54.7	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	50.7	U	50.7	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	59.5	U	59.5	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	53.3	U	53.3	77.9	100	ug/Kg
208-96-8	Acenaphthylene	53	U	53	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.9	U	53.9	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	56	U	56	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.1	U	48.1	77.9	100	ug/Kg
Total PAH	Total PAH	861.2	U	861.2	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	160	200	ug/Kg
100-02-7	4-Nitrophenol	68.3	U	68.3	160	200	ug/Kg
132-64-9	Dibenzofuran	46.1	U	46.1	77.9	100	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.9	U	59.9	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	13.8	U	113.8	77.9	200	ug/Kg
84-66-2	Diethylphthalate	51.5	U	51.5	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.2	U	54.2	77.9	100	ug/Kg
86-73-7	Fluorene	50.8	U	50.8	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	62.3	U	62.3	77.9	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	77.9	100	ug/Kg
103-33-3	Azobenzene	44	U	44	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	58.4	U	58.4	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	59.2	U	59.2	77.9	100	ug/Kg
1912-24-9	Atrazine	57.2	U	57.2	77.9	100	ug/Kg
87-86-5	Pentachlorophenol	66.5	U	66.5	160	200	ug/Kg
85-01-8	Phenanthrene	55.6	U	55.6	77.9	100	ug/Kg
120-12-7	Anthracene	61.1	U	61.1	77.9	100	ug/Kg
86-74-8	Carbazole	50.9	U	50.9	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	62.3	U	62.3	77.9	100	ug/Kg
206-44-0	Fluoranthene	56.6	U	56.6	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-4	SDG No.:	BP022924
Lab Sample ID:	P1620-31	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019943.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

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	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	61.7	U	61.7	77.9	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	77.9	100	ug/Kg
218-01-9	Chrysene	52	U	52	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.9	U	68.9	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	73.7	U	73.7	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.1	U	48.1	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	52.8	U	52.8	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	56.5	U	56.5	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	64.1	U	64.1	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	57.8	U	57.8	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	55.4	U	55.4	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	53.6	U	53.6	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	70.1	U	70.1	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.7	U	49.7	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	54.1	U	54.1	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	67.32		18-112		45	SPK: -150
13127-88-3	Phenol-d6	63.254		15-107		42	SPK: -150
4165-60-0	Nitrobenzene-d5	42.083		18-107		42	SPK: -100
321-60-8	2-Fluorobiphenyl	46.598		20-109		47	SPK: -100
118-79-6	2,4,6-Tribromophenol	70.005		10-110		47	SPK: -150
1718-51-0	Terphenyl-d14	50.648		14-112		51	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	91629	7.893				
1146-65-2	Naphthalene-d8	356053	10.693				
15067-26-2	Acenaphthene-d10	256919	14.539				
1517-22-2	Phenanthrene-d10	616464	17.304				
1719-03-5	Chrysene-d12	562651	21.404				
1520-96-3	Perylene-d12	534687	23.833				



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Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-4	SDG No.:	BP022924
Lab Sample ID:	P1620-31	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019943.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	81.1	A			5.011	
000057-10-3	n-Hexadecanoic acid	66.3	J			18.198	
1000324-48-6	Adipic acid, 2-ethylhexyl octyl es	980	J			20.627	
000295-48-7	Cyclopentadecane	79.7	J			21.121	

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-1	SDG No.:	BP022924
Lab Sample ID:	P1620-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019944.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	46.3	U	46.3	160	200	ug/Kg
110-86-1	Pyridine	43.4	U	43.4	77.9	100	ug/Kg
100-52-7	Benzaldehyde	88.7	U	88.7	160	200	ug/Kg
62-53-3	Aniline	70.1	U	70.1	77.9	100	ug/Kg
108-95-2	Phenol	44.6	U	44.6	77.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.8	U	53.8	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	43.1	U	43.1	77.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	48.9	U	48.9	77.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	53	U	53	77.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	49.4	U	49.4	77.9	100	ug/Kg
100-51-6	Benzyl Alcohol	59.2	U	59.2	160	200	ug/Kg
95-48-7	2-Methylphenol	68.3	U	68.3	77.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	62.9	U	62.9	77.9	100	ug/Kg
98-86-2	Acetophenone	51.9	U	51.9	77.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	64.7	U	64.7	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	35.3	U	35.3	47.9	47.9	ug/Kg
67-72-1	Hexachloroethane	44.1	U	44.1	77.9	100	ug/Kg
98-95-3	Nitrobenzene	45	U	45	77.9	100	ug/Kg
78-59-1	Isophorone	40.8	U	40.8	77.9	100	ug/Kg
88-75-5	2-Nitrophenol	57	U	57	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	59.7	U	59.7	77.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	67.1	U	67.1	77.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	46.8	U	46.8	77.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	46.4	U	46.4	77.9	100	ug/Kg
65-85-0	Benzoic acid	130	U	130	160	200	ug/Kg
91-20-3	Naphthalene	48.8	U	48.8	77.9	100	ug/Kg
106-47-8	4-Chloroaniline	62.9	U	62.9	77.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	50.3	U	50.3	77.9	100	ug/Kg
105-60-2	Caprolactam	70.1	U	70.1	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.4	U	49.4	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	56.8	U	56.8	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-1	SDG No.:	BP022924
Lab Sample ID:	P1620-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019944.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

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	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	52.7	U	52.7	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	54.7	U	54.7	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	50.7	U	50.7	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	59.5	U	59.5	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	53.3	U	53.3	77.9	100	ug/Kg
208-96-8	Acenaphthylene	53	U	53	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.9	U	53.9	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	56	U	56	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.1	U	48.1	77.9	100	ug/Kg
Total PAH	Total PAH	860.9	U	860.9	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	160	200	ug/Kg
100-02-7	4-Nitrophenol	68.3	U	68.3	160	200	ug/Kg
132-64-9	Dibenzofuran	46.1	U	46.1	77.9	100	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.8	U	59.8	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	13.7	U	113.7	77.9	200	ug/Kg
84-66-2	Diethylphthalate	51.5	U	51.5	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.2	U	54.2	77.9	100	ug/Kg
86-73-7	Fluorene	50.8	U	50.8	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	62.3	U	62.3	77.9	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	77.9	100	ug/Kg
103-33-3	Azobenzene	44	U	44	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	58.3	U	58.3	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	59.2	U	59.2	77.9	100	ug/Kg
1912-24-9	Atrazine	57.1	U	57.1	77.9	100	ug/Kg
87-86-5	Pentachlorophenol	66.5	U	66.5	160	200	ug/Kg
85-01-8	Phenanthrene	55.5	U	55.5	77.9	100	ug/Kg
120-12-7	Anthracene	61.1	U	61.1	77.9	100	ug/Kg
86-74-8	Carbazole	50.9	U	50.9	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	62.3	U	62.3	77.9	100	ug/Kg
206-44-0	Fluoranthene	63.9	J	56.5	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-1	SDG No.:	BP022924
Lab Sample ID:	P1620-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019944.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

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	70.3	J	50.1	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	61.7	U	61.7	77.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	96.4	U	96.4	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	50.3	U	50.3	77.9	100	ug/Kg
218-01-9	Chrysene	52	U	52	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.9	U	68.9	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	73.7	U	73.7	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	50.2	J	48.1	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	52.8	U	52.8	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	56.5	U	56.5	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	64.1	U	64.1	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	57.8	U	57.8	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	55.4	U	55.4	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	53.6	U	53.6	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	70.1	U	70.1	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.7	U	49.7	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	54	U	54	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	86.584		18-112		58	SPK: -150
13127-88-3	Phenol-d6	78.485		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	51.025		18-107		51	SPK: -100
321-60-8	2-Fluorobiphenyl	55.995		20-109		56	SPK: -100
118-79-6	2,4,6-Tribromophenol	89.867		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	63.491		14-112		63	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	95374	7.893				
1146-65-2	Naphthalene-d8	371655	10.693				
15067-26-2	Acenaphthene-d10	261824	14.539				
1517-22-2	Phenanthrene-d10	589222	17.304				
1719-03-5	Chrysene-d12	458055	21.404				
1520-96-3	Perylene-d12	484542	23.833				



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Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-1	SDG No.:	BP022924
Lab Sample ID:	P1620-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019944.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	200	J			18.198	
000057-11-4	Octadecanoic acid	65.9	J			19.433	
1000324-48-6	Adipic acid, 2-ethylhexyl octyl es	940	J			20.627	
027519-02-4	9-Tricosene, (Z)-	110	J			21.122	

Report of Analysis

Client:				Date Collected:	2/28/2024 12:00:00 AM		
Project:				Date Received:	2/28/2024 12:00:00 AM		
Client Sample ID:	SP-2			SDG No.:	BP022924		
Lab Sample ID:	P1620-11			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
BP019945.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

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:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-2	SDG No.:	BP022924
Lab Sample ID:	P1620-11	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 Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019945.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

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
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	113.9	U	113.9	78	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.9	U	59.9	78	100	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:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-2	SDG No.:	BP022924
Lab Sample ID:	P1620-11	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
BP019945.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

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	77.962		18-112		52	SPK: -150
13127-88-3	Phenol-d6	72.968		15-107		49	SPK: -150
4165-60-0	Nitrobenzene-d5	48.537		18-107		49	SPK: -100
321-60-8	2-Fluorobiphenyl	52.128		20-109		52	SPK: -100
118-79-6	2,4,6-Tribromophenol	78.199		10-110		52	SPK: -150
1718-51-0	Terphenyl-d14	58.269		14-112		58	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	95365	7.893				
1146-65-2	Naphthalene-d8	369460	10.693				
15067-26-2	Acenaphthene-d10	268260	14.54				
1517-22-2	Phenanthrene-d10	631846	17.304				
1719-03-5	Chrysene-d12	563317	21.404				
1520-96-3	Perylene-d12	537604	23.827				



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

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-2	SDG No.:	BP022924
Lab Sample ID:	P1620-11	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
BP019945.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	56.2	A			5.011	
000057-10-3	n-Hexadecanoic acid	92.9	J			18.198	
1000324-48-6	Adipic acid, 2-ethylhexyl octyl es	720	J			20.622	
018435-45-5	1-Nonadecene	100	J			21.122	

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-8	SDG No.:	BP022924
Lab Sample ID:	P1639-31	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019946.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

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

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-8	SDG No.:	BP022924
Lab Sample ID:	P1639-31	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.07	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
BP019946.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

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	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	52.7	U	52.7	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	54.7	U	54.7	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	50.7	U	50.7	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	59.5	U	59.5	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	53.3	U	53.3	77.9	100	ug/Kg
208-96-8	Acenaphthylene	53	U	53	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.9	U	53.9	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	56	U	56	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.1	U	48.1	77.9	100	ug/Kg
Total PAH	Total PAH	861	U	861	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	160	200	ug/Kg
100-02-7	4-Nitrophenol	68.3	U	68.3	160	200	ug/Kg
132-64-9	Dibenzofuran	46.1	U	46.1	77.9	100	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.9	U	59.9	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	13.8	U	113.8	77.9	200	ug/Kg
84-66-2	Diethylphthalate	51.5	U	51.5	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.2	U	54.2	77.9	100	ug/Kg
86-73-7	Fluorene	50.8	U	50.8	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	62.3	U	62.3	77.9	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	77.9	100	ug/Kg
103-33-3	Azobenzene	44	U	44	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	58.4	U	58.4	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	59.2	U	59.2	77.9	100	ug/Kg
1912-24-9	Atrazine	57.2	U	57.2	77.9	100	ug/Kg
87-86-5	Pentachlorophenol	66.5	U	66.5	160	200	ug/Kg
85-01-8	Phenanthrene	55.5	U	55.5	77.9	100	ug/Kg
120-12-7	Anthracene	61.1	U	61.1	77.9	100	ug/Kg
86-74-8	Carbazole	50.9	U	50.9	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	62.3	U	62.3	77.9	100	ug/Kg
206-44-0	Fluoranthene	81.4	J	56.6	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-8	SDG No.:	BP022924
Lab Sample ID:	P1639-31	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019946.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

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	65.9	J	50.1	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	61.7	U	61.7	77.9	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	77.9	100	ug/Kg
218-01-9	Chrysene	52	U	52	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.9	U	68.9	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	73.7	U	73.7	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	52	J	48.1	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	52.8	U	52.8	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	56.5	U	56.5	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	64.1	U	64.1	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	57.8	U	57.8	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	55.4	U	55.4	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	53.6	U	53.6	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	70.1	U	70.1	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.7	U	49.7	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	54	U	54	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.223		18-112		56	SPK: -150
13127-88-3	Phenol-d6	79.835		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	48.436		18-107		48	SPK: -100
321-60-8	2-Fluorobiphenyl	51.207		20-109		51	SPK: -100
118-79-6	2,4,6-Tribromophenol	101.645		10-110		68	SPK: -150
1718-51-0	Terphenyl-d14	54.942		14-112		55	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	70223	7.893				
1146-65-2	Naphthalene-d8	281614	10.693				
15067-26-2	Acenaphthene-d10	216054	14.54				
1517-22-2	Phenanthrene-d10	563322	17.298				
1719-03-5	Chrysene-d12	594935	21.404				
1520-96-3	Perylene-d12	603316	23.833				



Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-8	SDG No.:	BP022924
Lab Sample ID:	P1639-31	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019946.D	1	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	170	J			18.198	
1000324-48-6	Adipic acid, 2-ethylhexyl octyl es	520	J			20.622	
074685-30-6	5-Eicosene, (E)-	81.1	J			21.122	

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	EO-01-022824-A	SDG No.:	BP022924
Lab Sample ID:	P1621-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.4
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019947.D	2	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	380	470	ug/Kg
110-86-1	Pyridine	100	U	100	180	240	ug/Kg
100-52-7	Benzaldehyde	210	U	210	380	470	ug/Kg
62-53-3	Aniline	170	U	170	180	240	ug/Kg
108-95-2	Phenol	110	U	110	180	240	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	180	240	ug/Kg
95-57-8	2-Chlorophenol	100	U	100	180	240	ug/Kg
95-50-1	1,2-Dichlorobenzene	120	U	120	180	240	ug/Kg
541-73-1	1,3-Dichlorobenzene	130	U	130	180	240	ug/Kg
106-46-7	1,4-Dichlorobenzene	120	U	120	180	240	ug/Kg
100-51-6	Benzyl Alcohol	140	U	140	380	470	ug/Kg
95-48-7	2-Methylphenol	160	U	160	180	240	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	150	180	240	ug/Kg
98-86-2	Acetophenone	120	U	120	180	240	ug/Kg
65794-96-9	3+4-Methylphenols	150	U	150	380	470	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	83.6	U	83.6	110	110	ug/Kg
67-72-1	Hexachloroethane	100	U	100	180	240	ug/Kg
98-95-3	Nitrobenzene	110	U	110	180	240	ug/Kg
78-59-1	Isophorone	96.5	U	96.5	180	240	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	180	240	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	140	180	240	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	160	180	240	ug/Kg
120-83-2	2,4-Dichlorophenol	110	U	110	180	240	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	180	240	ug/Kg
65-85-0	Benzoic acid	300	U	300	380	470	ug/Kg
91-20-3	Naphthalene	120	U	120	180	240	ug/Kg
106-47-8	4-Chloroaniline	150	U	150	180	240	ug/Kg
87-68-3	Hexachlorobutadiene	120	U	120	180	240	ug/Kg
105-60-2	Caprolactam	170	U	170	380	470	ug/Kg
59-50-7	4-Chloro-3-methylphenol	120	U	120	180	240	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	130	180	240	ug/Kg

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	EO-01-022824-A	SDG No.:	BP022924
Lab Sample ID:	P1621-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.4
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019947.D	2	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	300	U	300	380	470	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	180	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	120	U	120	180	240	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	180	240	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	180	240	ug/Kg
88-74-4	2-Nitroaniline	140	U	140	180	240	ug/Kg
131-11-3	Dimethylphthalate	130	U	130	180	240	ug/Kg
208-96-8	Acenaphthylene	190	J	130	180	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	130	U	130	180	240	ug/Kg
99-09-2	3-Nitroaniline	130	U	130	180	240	ug/Kg
83-32-9	Acenaphthene	110	J	110	180	240	ug/Kg
Total PAH	Total PAH	7230		2020	180	3840	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	380	470	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	380	470	ug/Kg
132-64-9	Dibenzofuran	110	U	110	180	240	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	270	U	270	180	480	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	140	180	240	ug/Kg
84-66-2	Diethylphthalate	120	U	120	180	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	130	U	130	180	240	ug/Kg
86-73-7	Fluorene	160	J	120	180	240	ug/Kg
100-01-6	4-Nitroaniline	150	U	150	180	240	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	470	ug/Kg
86-30-6	n-Nitrosodiphenylamine	130	U	130	180	240	ug/Kg
103-33-3	Azobenzene	100	U	100	180	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	140	180	240	ug/Kg
118-74-1	Hexachlorobenzene	140	U	140	180	240	ug/Kg
1912-24-9	Atrazine	140	U	140	180	240	ug/Kg
87-86-5	Pentachlorophenol	160	U	160	380	470	ug/Kg
85-01-8	Phenanthrene	810		130	180	240	ug/Kg
120-12-7	Anthracene	280		140	180	240	ug/Kg
86-74-8	Carbazole	120	U	120	180	240	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	150	180	240	ug/Kg
206-44-0	Fluoranthene	1000		130	180	240	ug/Kg

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	EO-01-022824-A	SDG No.:	BP022924
Lab Sample ID:	P1621-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.4
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019947.D	2	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	270	U	270	380	470	ug/Kg
129-00-0	Pyrene	1300		120	180	240	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	150	180	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	230	U	230	380	470	ug/Kg
56-55-3	Benzo(a)anthracene	580		120	180	240	ug/Kg
218-01-9	Chrysene	530		120	180	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	160	180	240	ug/Kg
117-84-0	Di-n-octyl phthalate	170	U	170	380	470	ug/Kg
205-99-2	Benzo(b)fluoranthene	700		110	180	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	260		120	180	240	ug/Kg
50-32-8	Benzo(a)pyrene	600		130	180	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	310		150	180	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	140	180	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	400		130	180	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	130	180	240	ug/Kg
123-91-1	1,4-Dioxane	170	U	170	180	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	120	U	120	180	240	ug/Kg
90-12-0	1-Methylnaphthalene	130	U	130	240	240	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	75.728		18-112		50	SPK: -150
13127-88-3	Phenol-d6	69.318		15-107		46	SPK: -150
4165-60-0	Nitrobenzene-d5	43.042		18-107		43	SPK: -100
321-60-8	2-Fluorobiphenyl	47.632		20-109		48	SPK: -100
118-79-6	2,4,6-Tribromophenol	82.104		10-110		55	SPK: -150
1718-51-0	Terphenyl-d14	51.684		14-112		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	72992	7.893				
1146-65-2	Naphthalene-d8	293513	10.693				
15067-26-2	Acenaphthene-d10	217325	14.54				
1517-22-2	Phenanthrene-d10	522000	17.304				
1719-03-5	Chrysene-d12	469928	21.404				
1520-96-3	Perylene-d12	465467	23.839				

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	EO-01-022824-A	SDG No.:	BP022924
Lab Sample ID:	P1621-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.4
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019947.D	2	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000095-13-6	Indene	120	J			8.428	
000629-59-4	Tetradecane	180	J			12.11	
000629-92-5	Nonadecane	160	J			13.357	
000581-40-8	Naphthalene, 2,3-dimethyl-	110	J			13.857	
000646-31-1	Tetracosane	170	J			14.434	
000544-76-3	Hexadecane	230	J			15.393	
000112-40-3	Dodecane	300	J			16.263	
000629-62-9	Pentadecane	130	J			17.057	
000132-65-0	Dibenzothiophene	180	J			17.116	
000112-95-8	Eicosane	170	J			17.804	
000832-69-9	Phenanthrene, 1-methyl-	170	J			18.175	
000057-10-3	n-Hexadecanoic acid	550	J			18.198	
000203-64-5	4H-Cyclopenta[def]phenanthrene	350	J			18.357	
000610-48-0	Anthracene, 1-methyl-	120	J			18.392	
007225-66-3	Tridecane, 7-hexyl-	150	J			18.48	
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	110	J			18.657	
003674-66-6	Phenanthrene, 2,5-dimethyl-	210	J			19.063	
035599-77-0	Tridecane, 1-iodo-	110	J			19.092	
1000324-48-6	Adipic acid, 2-ethylhexyl octyl es	690	J			20.628	

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	EO-01-022824-B	SDG No.:	BP022924
Lab Sample ID:	P1621-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.3
Sample Wt/Vol:	50.1 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
BP019948.D	2	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	370	460	ug/Kg
110-86-1	Pyridine	100	U	100	180	230	ug/Kg
100-52-7	Benzaldehyde	200	U	200	370	460	ug/Kg
62-53-3	Aniline	160	U	160	180	230	ug/Kg
108-95-2	Phenol	100	U	100	180	230	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	180	230	ug/Kg
95-57-8	2-Chlorophenol	99.5	U	99.5	180	230	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	180	230	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	U	120	180	230	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	180	230	ug/Kg
100-51-6	Benzyl Alcohol	140	U	140	370	460	ug/Kg
95-48-7	2-Methylphenol	160	U	160	180	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	150	180	230	ug/Kg
98-86-2	Acetophenone	120	U	120	180	230	ug/Kg
65794-96-9	3+4-Methylphenols	150	U	150	370	460	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	81.5	U	81.5	110	110	ug/Kg
67-72-1	Hexachloroethane	100	U	100	180	230	ug/Kg
98-95-3	Nitrobenzene	100	U	100	180	230	ug/Kg
78-59-1	Isophorone	94.1	U	94.1	180	230	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	180	230	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	140	180	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	150	180	230	ug/Kg
120-83-2	2,4-Dichlorophenol	110	U	110	180	230	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	180	230	ug/Kg
65-85-0	Benzoic acid	300	U	300	370	460	ug/Kg
91-20-3	Naphthalene	110	U	110	180	230	ug/Kg
106-47-8	4-Chloroaniline	150	U	150	180	230	ug/Kg
87-68-3	Hexachlorobutadiene	120	U	120	180	230	ug/Kg
105-60-2	Caprolactam	160	U	160	370	460	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	180	230	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	130	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	EO-01-022824-B	SDG No.:	BP022924
Lab Sample ID:	P1621-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.3
Sample Wt/Vol:	50.1 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
BP019948.D	2	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	290	U	290	370	460	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	180	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	120	U	120	180	230	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	180	230	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	180	230	ug/Kg
88-74-4	2-Nitroaniline	140	U	140	180	230	ug/Kg
131-11-3	Dimethylphthalate	120	U	120	180	230	ug/Kg
208-96-8	Acenaphthylene	120	U	120	180	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	U	120	180	230	ug/Kg
99-09-2	3-Nitroaniline	130	U	130	180	230	ug/Kg
83-32-9	Acenaphthene	110	U	110	180	230	ug/Kg
Total PAH	Total PAH	1990	U	1990	180	3680	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	370	460	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	370	460	ug/Kg
132-64-9	Dibenzofuran	110	U	110	180	230	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	140	180	230	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	260	U	260	180	460	ug/Kg
84-66-2	Diethylphthalate	120	U	120	180	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	180	230	ug/Kg
86-73-7	Fluorene	120	U	120	180	230	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	180	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	370	460	ug/Kg
86-30-6	n-Nitrosodiphenylamine	130	U	130	180	230	ug/Kg
103-33-3	Azobenzene	100	U	100	180	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	130	U	130	180	230	ug/Kg
118-74-1	Hexachlorobenzene	140	U	140	180	230	ug/Kg
1912-24-9	Atrazine	130	U	130	180	230	ug/Kg
87-86-5	Pentachlorophenol	150	U	150	370	460	ug/Kg
85-01-8	Phenanthrene	130	U	130	180	230	ug/Kg
120-12-7	Anthracene	140	U	140	180	230	ug/Kg
86-74-8	Carbazole	120	U	120	180	230	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	140	180	230	ug/Kg
206-44-0	Fluoranthene	140	J	130	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	EO-01-022824-B	SDG No.:	BP022924
Lab Sample ID:	P1621-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.3
Sample Wt/Vol:	50.1	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
BP019948.D	2	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	270	U	270	370	460	ug/Kg
129-00-0	Pyrene	230		120	180	230	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	140	180	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	220	U	220	370	460	ug/Kg
56-55-3	Benzo(a)anthracene	120	U	120	180	230	ug/Kg
218-01-9	Chrysene	120	J	120	180	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	160	180	230	ug/Kg
117-84-0	Di-n-octyl phthalate	170	U	170	370	460	ug/Kg
205-99-2	Benzo(b)fluoranthene	120	J	110	180	230	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	U	120	180	230	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	130	180	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	150	180	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	U	130	180	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	U	130	180	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	180	230	ug/Kg
123-91-1	1,4-Dioxane	160	U	160	180	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	U	110	180	230	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	230	230	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	80.086		18-112		53	SPK: -150
13127-88-3	Phenol-d6	70.5		15-107		47	SPK: -150
4165-60-0	Nitrobenzene-d5	47.936		18-107		48	SPK: -100
321-60-8	2-Fluorobiphenyl	54.244		20-109		54	SPK: -100
118-79-6	2,4,6-Tribromophenol	85.854		10-110		57	SPK: -150
1718-51-0	Terphenyl-d14	61.564		14-112		62	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	80132	7.893				
1146-65-2	Naphthalene-d8	296843	10.698				
15067-26-2	Acenaphthene-d10	204582	14.539				
1517-22-2	Phenanthrene-d10	451348	17.304				
1719-03-5	Chrysene-d12	342549	21.41				
1520-96-3	Perylene-d12	381942	23.839				

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	EO-01-022824-B	SDG No.:	BP022924
Lab Sample ID:	P1621-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.3
Sample Wt/Vol:	50.1 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
BP019948.D	2	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000629-78-7	Heptadecane	130	J			16.263	
005129-60-2	Pentadecanoic acid, 14-methyl-, me	200	J			17.98	
000057-10-3	n-Hexadecanoic acid	440	J			18.198	
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	110	J			18.892	
013058-52-1	Methyl 9-cis,11-trans-octadecadien	990	J			19.086	
000112-62-9	9-Octadecenoic acid (Z)-, methyl e	640	J			19.122	
005129-58-8	Tridecanoic acid, 12-methyl-, meth	130	J			19.251	
000057-11-4	Octadecanoic acid	150	J			19.439	
1000324-48-6	Adipic acid, 2-ethylhexyl octyl es	1800	J			20.627	

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	HD-02-022824	SDG No.:	BP022924
Lab Sample ID:	P1622-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.3
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
BP019949.D	2	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	370	450	ug/Kg
110-86-1	Pyridine	99	U	99	180	230	ug/Kg
100-52-7	Benzaldehyde	200	U	200	370	450	ug/Kg
62-53-3	Aniline	160	U	160	180	230	ug/Kg
108-95-2	Phenol	100	U	100	180	230	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	180	230	ug/Kg
95-57-8	2-Chlorophenol	98.5	U	98.5	180	230	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	180	230	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	U	120	180	230	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	180	230	ug/Kg
100-51-6	Benzyl Alcohol	140	U	140	370	450	ug/Kg
95-48-7	2-Methylphenol	160	U	160	180	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	140	180	230	ug/Kg
98-86-2	Acetophenone	120	U	120	180	230	ug/Kg
65794-96-9	3+4-Methylphenols	150	U	150	370	450	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	80.7	U	80.7	110	110	ug/Kg
67-72-1	Hexachloroethane	100	U	100	180	230	ug/Kg
98-95-3	Nitrobenzene	100	U	100	180	230	ug/Kg
78-59-1	Isophorone	93.1	U	93.1	180	230	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	180	230	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	140	180	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	150	180	230	ug/Kg
120-83-2	2,4-Dichlorophenol	110	U	110	180	230	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	180	230	ug/Kg
65-85-0	Benzoic acid	290	U	290	370	450	ug/Kg
91-20-3	Naphthalene	110	U	110	180	230	ug/Kg
106-47-8	4-Chloroaniline	140	U	140	180	230	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	180	230	ug/Kg
105-60-2	Caprolactam	160	U	160	370	450	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	180	230	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	130	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	HD-02-022824	SDG No.:	BP022924
Lab Sample ID:	P1622-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.3
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
BP019949.D	2	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	290	U	290	370	450	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	180	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	120	U	120	180	230	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	180	230	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	180	230	ug/Kg
88-74-4	2-Nitroaniline	140	U	140	180	230	ug/Kg
131-11-3	Dimethylphthalate	120	U	120	180	230	ug/Kg
208-96-8	Acenaphthylene	120	U	120	180	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	U	120	180	230	ug/Kg
99-09-2	3-Nitroaniline	130	U	130	180	230	ug/Kg
83-32-9	Acenaphthene	110	U	110	180	230	ug/Kg
Total PAH	Total PAH	2760	U	1970	180	3680	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	370	450	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	370	450	ug/Kg
132-64-9	Dibenzofuran	110	U	110	180	230	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	260	U	260	180	460	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	140	180	230	ug/Kg
84-66-2	Diethylphthalate	120	U	120	180	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	180	230	ug/Kg
86-73-7	Fluorene	120	U	120	180	230	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	180	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	370	450	ug/Kg
86-30-6	n-Nitrosodiphenylamine	130	U	130	180	230	ug/Kg
103-33-3	Azobenzene	100	U	100	180	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	130	U	130	180	230	ug/Kg
118-74-1	Hexachlorobenzene	140	U	140	180	230	ug/Kg
1912-24-9	Atrazine	130	U	130	180	230	ug/Kg
87-86-5	Pentachlorophenol	150	U	150	370	450	ug/Kg
85-01-8	Phenanthrene	280		130	180	230	ug/Kg
120-12-7	Anthracene	140	U	140	180	230	ug/Kg
86-74-8	Carbazole	120	U	120	180	230	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	140	180	230	ug/Kg
206-44-0	Fluoranthene	470		130	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	HD-02-022824	SDG No.:	BP022924
Lab Sample ID:	P1622-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.3
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
BP019949.D	2	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	260	U	260	370	450	ug/Kg
129-00-0	Pyrene	640		110	180	230	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	140	180	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	220	U	220	370	450	ug/Kg
56-55-3	Benzo(a)anthracene	310		110	180	230	ug/Kg
218-01-9	Chrysene	300		120	180	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	160	180	230	ug/Kg
117-84-0	Di-n-octyl phthalate	170	U	170	370	450	ug/Kg
205-99-2	Benzo(b)fluoranthene	330		110	180	230	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	U	120	180	230	ug/Kg
50-32-8	Benzo(a)pyrene	280		130	180	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	150	180	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	U	130	180	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	J	130	180	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	180	230	ug/Kg
123-91-1	1,4-Dioxane	160	U	160	180	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	U	110	180	230	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	230	230	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	49.596		18-112		33	SPK: -150
13127-88-3	Phenol-d6	45.388		15-107		30	SPK: -150
4165-60-0	Nitrobenzene-d5	28.966		18-107		29	SPK: -100
321-60-8	2-Fluorobiphenyl	31.42		20-109		31	SPK: -100
118-79-6	2,4,6-Tribromophenol	54.768		10-110		37	SPK: -150
1718-51-0	Terphenyl-d14	35.858		14-112		36	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	66965	7.893				
1146-65-2	Naphthalene-d8	266698	10.699				
15067-26-2	Acenaphthene-d10	204733	14.54				
1517-22-2	Phenanthrene-d10	497783	17.304				
1719-03-5	Chrysene-d12	426267	21.41				
1520-96-3	Perylene-d12	447459	23.845				

**Report of Analysis**

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	HD-02-022824	SDG No.:	BP022924
Lab Sample ID:	P1622-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.3
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
BP019949.D	2	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000112-39-0	Hexadecanoic acid, methyl ester	150	J			17.981	
000057-10-3	n-Hexadecanoic acid	360	J			18.198	
000203-64-5	4H-Cyclopenta[def]phenanthrene	220	J			18.363	
1010333-61-8	cis-11,14-Eicosadienoic acid, meth	640	J			19.086	
000112-62-9	9-Octadecenoic acid (Z)-, methyl e	390	J			19.122	
000112-61-8	Methyl stearate	93.4	J			19.251	
1000324-48-6	Adipic acid, 2-ethylhexyl octyl es	730	J			20.628	

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-7	SDG No.:	BP022924
Lab Sample ID:	P1639-21	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.09	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
BP019950.D	2	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	92.6	U	92.6	320	400	ug/Kg
110-86-1	Pyridine	86.7	U	86.7	160	200	ug/Kg
100-52-7	Benzaldehyde	180	U	180	320	400	ug/Kg
62-53-3	Aniline	140	U	140	160	200	ug/Kg
108-95-2	Phenol	89.1	U	89.1	160	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	160	200	ug/Kg
95-57-8	2-Chlorophenol	86.2	U	86.2	160	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	97.9	U	97.9	160	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	98.7	U	98.7	160	200	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	320	400	ug/Kg
95-48-7	2-Methylphenol	140	U	140	160	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	160	200	ug/Kg
98-86-2	Acetophenone	100	U	100	160	200	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	320	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	70.7	U	70.7	95.8	95.8	ug/Kg
67-72-1	Hexachloroethane	88.2	U	88.2	160	200	ug/Kg
98-95-3	Nitrobenzene	90.1	U	90.1	160	200	ug/Kg
78-59-1	Isophorone	81.6	U	81.6	160	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	160	200	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	160	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	160	200	ug/Kg
120-83-2	2,4-Dichlorophenol	93.6	U	93.6	160	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	92.8	U	92.8	160	200	ug/Kg
65-85-0	Benzoic acid	260	U	260	320	400	ug/Kg
91-20-3	Naphthalene	97.5	U	97.5	160	200	ug/Kg
106-47-8	4-Chloroaniline	130	U	130	160	200	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	200	ug/Kg
105-60-2	Caprolactam	140	U	140	320	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	98.8	U	98.8	160	200	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	160	200	ug/Kg

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-7	SDG No.:	BP022924
Lab Sample ID:	P1639-21	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.09	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
BP019950.D	2	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	250	U	250	320	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	92.4	U	92.4	160	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	160	200	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	200	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	200	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	200	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	160	200	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	160	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	200	ug/Kg
83-32-9	Acenaphthene	96.2	U	96.2	160	200	ug/Kg
Total PAH	Total PAH	1719.9	U	1719.9	160	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	220	U	220	320	400	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	320	400	ug/Kg
132-64-9	Dibenzofuran	92.1	U	92.1	160	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	160	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	160	200	ug/Kg
84-66-2	Diethylphthalate	100	U	100	160	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	200	ug/Kg
86-73-7	Fluorene	100	U	100	160	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	160	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	320	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	160	200	ug/Kg
103-33-3	Azobenzene	88	U	88	160	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	160	200	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	160	200	ug/Kg
1912-24-9	Atrazine	110	U	110	160	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	320	400	ug/Kg
85-01-8	Phenanthrene	110	U	110	160	200	ug/Kg
120-12-7	Anthracene	120	U	120	160	200	ug/Kg
86-74-8	Carbazole	100	U	100	160	200	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	160	200	ug/Kg
206-44-0	Fluoranthene	110	U	110	160	200	ug/Kg

Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-7	SDG No.:	BP022924
Lab Sample ID:	P1639-21	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019950.D	2	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	230	U	230	320	400	ug/Kg
129-00-0	Pyrene	140	J	100	160	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	320	400	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	160	200	ug/Kg
218-01-9	Chrysene	100	U	100	160	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	160	200	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	320	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	J	96.2	160	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	160	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	J	110	160	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	130	160	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	160	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	160	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	200	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	160	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	99.3	U	99.3	160	200	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	130.112		18-112		87	SPK: -150
13127-88-3	Phenol-d6	119.276		15-107		80	SPK: -150
4165-60-0	Nitrobenzene-d5	74.996		18-107		75	SPK: -100
321-60-8	2-Fluorobiphenyl	86.342		20-109		86	SPK: -100
118-79-6	2,4,6-Tribromophenol	134.16		10-110		89	SPK: -150
1718-51-0	Terphenyl-d14	101.65		14-112		102	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	96500	7.893				
1146-65-2	Naphthalene-d8	378735	10.698				
15067-26-2	Acenaphthene-d10	274729	14.539				
1517-22-2	Phenanthrene-d10	599725	17.304				
1719-03-5	Chrysene-d12	417247	21.41				
1520-96-3	Perylene-d12	464158	23.839				



Report of Analysis

Client:		Date Collected:	2/28/2024 12:00:00 AM
Project:		Date Received:	2/28/2024 12:00:00 AM
Client Sample ID:	SP-7	SDG No.:	BP022924
Lab Sample ID:	P1639-21	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019950.D	2	2/29/2024 12:00:00 AM	2/29/2024 12:00:00 AM	PB159365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	200	J			18.198	
1000324-48-6	Adipic acid, 2-ethylhexyl octyl es	940	J			20.627	
018835-32-0	1-Tricosene	120	J			21.122	

Hit Summary Sheet

SW-846

SDG No.: BP022924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : 20241097-COMPOSITE-35N-N-4-02								
P1538-02	20241097-COMPOSITE-	Solid	1,3-Benzenedicarboxylic acid, bis *	980.000	J			
P1538-02	20241097-COMPOSITE-	Solid	3,5-Dimethoxy-4-hydroxycinnam: *	1,500.000	J			
P1538-02	20241097-COMPOSITE-	Solid	3,7-Benzofurandiol, 2,3-dihydro-2 *	570.000	J			
P1538-02	20241097-COMPOSITE-	Solid	7,9-Di-tert-butyl-1-oxaspiro(4,5)d *	370.000	J			
P1538-02	20241097-COMPOSITE-	Solid	Adipic acid, 2-ethylhexyl octyl es *	27,800.000	J			
P1538-02	20241097-COMPOSITE-	Solid	Eicosane, 9-octyl- *	940.000	J			
P1538-02	20241097-COMPOSITE-	Solid	Eicosanoic acid *	780.000	J			
P1538-02	20241097-COMPOSITE-	Solid	Hentriacontane *	840.000	J			
P1538-02	20241097-COMPOSITE-	Solid	Hexanedioic acid, bis(2-ethylhexy *	3,000.000	J			
P1538-02	20241097-COMPOSITE-	Solid	n-Hexadecanoic acid *	4,300.000	J			
P1538-02	20241097-COMPOSITE-	Solid	Octacosane *	300.000	J			
P1538-02	20241097-COMPOSITE-	Solid	Octadecanoic acid *	32,800.000	J			
P1538-02	20241097-COMPOSITE-	Solid	Pentadecane, 8-hexyl- *	970.000	J			
P1538-02	20241097-COMPOSITE-	Solid	Pentadecanoic acid *	1,300.000	J			
P1538-02	20241097-COMPOSITE-	Solid	Syringylacetone *	1,400.000	J			
P1538-02	20241097-COMPOSITE-	Solid	Tetracosane *	910.000	J			
P1538-02	20241097-COMPOSITE-	Solid	Tetradecanoic acid *	3,600.000	J			
P1538-02	20241097-COMPOSITE-	Solid	trans-Sinapaldehyde *	1,200.000	J			
P1538-02	20241097-COMPOSITE-	Solid	trans-Sinapyl alcohol *	2,200.000	J			
Total Tics :				85,760.00				
P1538-02	20241097-COMPOSITE-	Solid	Di-n-butylphthalate	440.000	J	310	510	ug/Kg
P1538-02	20241097-COMPOSITE-	Solid	Diethylphthalate	4,900.000		260	510	ug/Kg
Total Svoc :				5,340.00				
Total Concentration:				91,100.00				
Client ID : VNJ218								
P1544-01	VNJ218	Solid	1a,9b-Dihydro-1H-cyclopropa[a]a *	820.000	J			
P1544-01	VNJ218	Solid	2,4,2,4-Tetramethyl-biphenyl *	220.000	J			
P1544-01	VNJ218	Solid	2-[2-Phenylethenyl]phenol *	250.000	J			
P1544-01	VNJ218	Solid	4-(4-Methylphenyl)benzaldehyde *	370.000	J			
P1544-01	VNJ218	Solid	5,16[1,2]:8,13[1,2]-Dibenzen *	330.000	J			
P1544-01	VNJ218	Solid	9,10-Anthracenedione *	170.000	J			
P1544-01	VNJ218	Solid	Adipic acid, 2-ethylhexyl octyl es *	360.000	J			
P1544-01	VNJ218	Solid	Benzo[e]pyrene *	1,200.000	J			
P1544-01	VNJ218	Solid	Benzo[j]fluoranthene *	300.000	J			
P1544-01	VNJ218	Solid	Cyclopenta(def)phenanthrenone *	2,100.000	J			
P1544-01	VNJ218	Solid	di-p-Tolylacetylene *	310.000	J			
P1544-01	VNJ218	Solid	n-Hexadecanoic acid *	600.000	J			
P1544-01	VNJ218	Solid	Naphthalene, 1,2-dihydro-4-pheny *	220.000	J			
P1544-01	VNJ218	Solid	Naphthalene, 1-phenyl- *	300.000	J			

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SDG No.: BP022924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1544-01	VNJ218	Solid	Phenanthrene, 1-methyl-	*	380.000	J		
P1544-01	VNJ218	Solid	Phenanthrene, 2,3-dimethyl-	*	800.000	J		
P1544-01	VNJ218	Solid	Phenanthrene, 2,5-dimethyl-	*	330.000	J		
P1544-01	VNJ218	Solid	Phenanthrene, 3,6-dimethyl-	*	300.000	J		
P1544-01	VNJ218	Solid	unknown19.134	*	610.000	J		
P1544-01	VNJ218	Solid	unknown22.833	*	750.000	J		
Total Tics :				10,720.00				
P1544-01	VNJ218	Solid	Acenaphthene	56.500	J	53.8	110	ug/Kg
P1544-01	VNJ218	Solid	Acenaphthylene	180.000		59.3	110	ug/Kg
P1544-01	VNJ218	Solid	Anthracene	200.000		68.4	110	ug/Kg
P1544-01	VNJ218	Solid	Benzo(a)anthracene	2,700.000	E	56.3	110	ug/Kg
P1544-01	VNJ218	Solid	Benzo(a)pyrene	900.000		63.2	110	ug/Kg
P1544-01	VNJ218	Solid	Benzo(b)fluoranthene	1,800.000	E	53.8	110	ug/Kg
P1544-01	VNJ218	Solid	Benzo(g,h,i)perylene	280.000		62	110	ug/Kg
P1544-01	VNJ218	Solid	Benzo(k)fluoranthene	660.000		59.1	110	ug/Kg
P1544-01	VNJ218	Solid	Carbazole	77.200	J	56.9	110	ug/Kg
P1544-01	VNJ218	Solid	Chrysene	1,700.000		58.2	110	ug/Kg
P1544-01	VNJ218	Solid	Dibenzo(a,h)anthracene	120.000		64.7	110	ug/Kg
P1544-01	VNJ218	Solid	Diethylphthalate	380.000		57.6	110	ug/Kg
P1544-01	VNJ218	Solid	Fluoranthene	10,100.000	E	63.3	110	ug/Kg
P1544-01	VNJ218	Solid	Indeno(1,2,3-cd)pyrene	300.000		71.8	110	ug/Kg
P1544-01	VNJ218	Solid	Phenanthrene	320.000		62.2	110	ug/Kg
P1544-01	VNJ218	Solid	Pyrene	8,100.000	E	56.1	110	ug/Kg
P1544-01	VNJ218	Solid	Total PAH	27,416.000		963.7	1760	ug/Kg
Total Svoc :				55,289.70				
Total Concentration:				66,009.70				
Client ID :	VNJ218DL							
P1544-01DL	VNJ218DL	Solid	Benzo(a)anthracene	2,500.000	D	560	1100	ug/Kg
P1544-01DL	VNJ218DL	Solid	Benzo(a)pyrene	830.000	JD	630	1100	ug/Kg
P1544-01DL	VNJ218DL	Solid	Benzo(b)fluoranthene	1,600.000	D	540	1100	ug/Kg
P1544-01DL	VNJ218DL	Solid	Benzo(k)fluoranthene	610.000	JD	590	1100	ug/Kg
P1544-01DL	VNJ218DL	Solid	Chrysene	1,500.000	D	580	1100	ug/Kg
P1544-01DL	VNJ218DL	Solid	Diethylphthalate	2,100.000	D	580	1100	ug/Kg
P1544-01DL	VNJ218DL	Solid	Fluoranthene	10,000.000	D	630	1100	ug/Kg
P1544-01DL	VNJ218DL	Solid	Pyrene	7,500.000	D	560	1100	ug/Kg
Total Svoc :				26,640.00				
Total Concentration:				26,640.00				
Client ID :	WC-1DL							
P1602-01DL	WC-1DL	Solid	Acenaphthene	500.000	JD	430	910	ug/Kg
P1602-01DL	WC-1DL	Solid	Anthracene	1,100.000	D	540	910	ug/Kg
P1602-01DL	WC-1DL	Solid	Benzo(a)anthracene	1,800.000	D	450	910	ug/Kg

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SDG No.: BP022924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1602-01DL	WC-1DL	Solid	Benzo(a)pyrene	1,300.000	D	500	910	ug/Kg
P1602-01DL	WC-1DL	Solid	Benzo(b)fluoranthene	1,800.000	D	430	910	ug/Kg
P1602-01DL	WC-1DL	Solid	Benzo(g,h,i)perylene	750.000	JD	490	910	ug/Kg
P1602-01DL	WC-1DL	Solid	Benzo(k)fluoranthene	660.000	JD	470	910	ug/Kg
P1602-01DL	WC-1DL	Solid	Chrysene	1,500.000	D	460	910	ug/Kg
P1602-01DL	WC-1DL	Solid	Diethylphthalate	4,600.000	D	460	910	ug/Kg
P1602-01DL	WC-1DL	Solid	Fluoranthene	4,100.000	D	500	910	ug/Kg
P1602-01DL	WC-1DL	Solid	Fluorene	640.000	JD	450	910	ug/Kg
P1602-01DL	WC-1DL	Solid	Indeno(1,2,3-cd)pyrene	700.000	JD	570	910	ug/Kg
P1602-01DL	WC-1DL	Solid	Naphthalene	430.000	JD	430	910	ug/Kg
P1602-01DL	WC-1DL	Solid	Phenanthrene	4,200.000	D	490	910	ug/Kg
P1602-01DL	WC-1DL	Solid	Pyrene	3,200.000	D	450	910	ug/Kg
P1602-01DL	WC-1DL	Solid	Total PAH	22,680.000	D	7650	14560	ug/Kg

Total Svoc :

49,960.00

Total Concentration:

49,960.00

Client ID : WC-2DL

P1602-04DL	WC-2DL	Solid	1-Methylnaphthalene	670.000	JD	510	950	ug/Kg
P1602-04DL	WC-2DL	Solid	2-Methylnaphthalene	990.000	D	530	950	ug/Kg
P1602-04DL	WC-2DL	Solid	Acenaphthene	1,300.000	D	450	950	ug/Kg
P1602-04DL	WC-2DL	Solid	Acenaphthylene	670.000	JD	500	950	ug/Kg
P1602-04DL	WC-2DL	Solid	Anthracene	2,400.000	D	570	950	ug/Kg
P1602-04DL	WC-2DL	Solid	Benzo(a)anthracene	3,900.000	D	470	950	ug/Kg
P1602-04DL	WC-2DL	Solid	Benzo(a)pyrene	3,300.000	D	530	950	ug/Kg
P1602-04DL	WC-2DL	Solid	Benzo(b)fluoranthene	4,500.000	D	450	950	ug/Kg
P1602-04DL	WC-2DL	Solid	Benzo(g,h,i)perylene	1,700.000	D	520	950	ug/Kg
P1602-04DL	WC-2DL	Solid	Benzo(k)fluoranthene	1,700.000	D	490	950	ug/Kg
P1602-04DL	WC-2DL	Solid	Carbazole	930.000	JD	480	950	ug/Kg
P1602-04DL	WC-2DL	Solid	Chrysene	3,400.000	D	490	950	ug/Kg
P1602-04DL	WC-2DL	Solid	Dibenzofuran	1,200.000	D	430	950	ug/Kg
P1602-04DL	WC-2DL	Solid	Diethylphthalate	2,700.000	D	480	950	ug/Kg
P1602-04DL	WC-2DL	Solid	Fluoranthene	8,900.000	D	530	950	ug/Kg
P1602-04DL	WC-2DL	Solid	Fluorene	2,100.000	D	480	950	ug/Kg
P1602-04DL	WC-2DL	Solid	Indeno(1,2,3-cd)pyrene	1,600.000	D	600	950	ug/Kg
P1602-04DL	WC-2DL	Solid	Naphthalene	3,000.000	D	460	950	ug/Kg
P1602-04DL	WC-2DL	Solid	Phenanthrene	9,700.000	D	520	950	ug/Kg
P1602-04DL	WC-2DL	Solid	Pyrene	7,100.000	D	470	950	ug/Kg
P1602-04DL	WC-2DL	Solid	Total PAH	55,270.000	D	8070	15200	ug/Kg

Total Svoc :

117,030.00

Total Concentration:

117,030.00

Client ID : WC-4DL

P1602-10DL	WC-4DL	Solid	Acenaphthylene	1,400.000	D	500	960	ug/Kg
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SDG No.: BP022924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1602-10DL	WC-4DL	Solid	Anthracene	880.000	JD	580	960	ug/Kg
P1602-10DL	WC-4DL	Solid	Benzo(a)anthracene	2,500.000	D	470	960	ug/Kg
P1602-10DL	WC-4DL	Solid	Benzo(a)pyrene	2,500.000	D	530	960	ug/Kg
P1602-10DL	WC-4DL	Solid	Benzo(b)fluoranthene	3,200.000	D	450	960	ug/Kg
P1602-10DL	WC-4DL	Solid	Benzo(g,h,i)perylene	1,500.000	D	520	960	ug/Kg
P1602-10DL	WC-4DL	Solid	Benzo(k)fluoranthene	1,100.000	D	500	960	ug/Kg
P1602-10DL	WC-4DL	Solid	Chrysene	2,800.000	D	490	960	ug/Kg
P1602-10DL	WC-4DL	Solid	Diethylphthalate	1,400.000	D	490	960	ug/Kg
P1602-10DL	WC-4DL	Solid	Fluoranthene	5,000.000	D	530	960	ug/Kg
P1602-10DL	WC-4DL	Solid	Indeno(1,2,3-cd)pyrene	1,300.000	D	600	960	ug/Kg
P1602-10DL	WC-4DL	Solid	Phenanthrene	3,500.000	D	520	960	ug/Kg
P1602-10DL	WC-4DL	Solid	Pyrene	5,400.000	D	470	960	ug/Kg
Total Svoc :				32,480.00				
Total Concentration:				32,480.00				
Client ID : SP-1								
P1620-01	SP-1	Solid	9-Tricosene, (Z)-	*	110.000	J		
P1620-01	SP-1	Solid	Adipic acid, 2-ethylhexyl octyl es	*	940.000	J		
P1620-01	SP-1	Solid	n-Hexadecanoic acid	*	200.000	J		
P1620-01	SP-1	Solid	Octadecanoic acid	*	65.900	J		
Total Tics :				1,315.90				
P1620-01	SP-1	Solid	Benzo(b)fluoranthene		50.200	J	48.1	100 ug/Kg
P1620-01	SP-1	Solid	Fluoranthene		63.900	J	56.5	100 ug/Kg
P1620-01	SP-1	Solid	Pyrene		70.300	J	50.1	100 ug/Kg
Total Svoc :				184.40				
Total Concentration:				1,500.30				
Client ID : SP-2								
P1620-11	SP-2	Solid	1-Nonadecene	*	100.000	J		
P1620-11	SP-2	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	56.200	A		
P1620-11	SP-2	Solid	Adipic acid, 2-ethylhexyl octyl es	*	720.000	J		
P1620-11	SP-2	Solid	n-Hexadecanoic acid	*	92.900	J		
Total Tics :				969.10				
Total Concentration:				969.10				
Client ID : SP-3								
P1620-21	SP-3	Solid	Heptacosyl acetate	*	63.100	J		
P1620-21	SP-3	Solid	Hexanedioic acid, bis(2-ethylhexyl	*	1,200.000	J		
P1620-21	SP-3	Solid	n-Hexadecanoic acid	*	120.000	J		
Total Tics :				1,383.10				
Total Concentration:				1,383.10				
Client ID : SP-4								
P1620-31	SP-4	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	81.100	A		
P1620-31	SP-4	Solid	Adipic acid, 2-ethylhexyl octyl es	*	980.000	J		

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SDG No.: BP022924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1620-31	SP-4	Solid	Cyclopentadecane	*	79.700	J		
P1620-31	SP-4	Solid	n-Hexadecanoic acid	*	66.300	J		
Total Tics :					1,207.10			
Total Concentration:					1,207.10			
Client ID : EO-01-022824-A								
P1621-01	EO-01-022824-A	Solid	4H-Cyclopenta[def]phenanthrene	*	350.000	J		
P1621-01	EO-01-022824-A	Solid	5,16[1,2]:8,13[1,2]-Dibenzen	*	110.000	J		
P1621-01	EO-01-022824-A	Solid	Adipic acid, 2-ethylhexyl octyl es	*	690.000	J		
P1621-01	EO-01-022824-A	Solid	Anthracene, 1-methyl-	*	120.000	J		
P1621-01	EO-01-022824-A	Solid	Dibenzothiophene	*	180.000	J		
P1621-01	EO-01-022824-A	Solid	Dodecane	*	300.000	J		
P1621-01	EO-01-022824-A	Solid	Eicosane	*	170.000	J		
P1621-01	EO-01-022824-A	Solid	Hexadecane	*	230.000	J		
P1621-01	EO-01-022824-A	Solid	Indene	*	120.000	J		
P1621-01	EO-01-022824-A	Solid	n-Hexadecanoic acid	*	550.000	J		
P1621-01	EO-01-022824-A	Solid	Naphthalene, 2,3-dimethyl-	*	110.000	J		
P1621-01	EO-01-022824-A	Solid	Nonadecane	*	160.000	J		
P1621-01	EO-01-022824-A	Solid	Pentadecane	*	130.000	J		
P1621-01	EO-01-022824-A	Solid	Phenanthrene, 1-methyl-	*	170.000	J		
P1621-01	EO-01-022824-A	Solid	Phenanthrene, 2,5-dimethyl-	*	210.000	J		
P1621-01	EO-01-022824-A	Solid	Tetracosane	*	170.000	J		
P1621-01	EO-01-022824-A	Solid	Tetradecane	*	180.000	J		
P1621-01	EO-01-022824-A	Solid	Tridecane, 1-iodo-	*	110.000	J		
P1621-01	EO-01-022824-A	Solid	Tridecane, 7-hexyl-	*	150.000	J		
Total Tics :					4,210.00			
P1621-01	EO-01-022824-A	Solid	Acenaphthene		110.000	J	110	240 ug/Kg
P1621-01	EO-01-022824-A	Solid	Acenaphthylene		190.000	J	130	240 ug/Kg
P1621-01	EO-01-022824-A	Solid	Anthracene		280.000		140	240 ug/Kg
P1621-01	EO-01-022824-A	Solid	Benzo(a)anthracene		580.000		120	240 ug/Kg
P1621-01	EO-01-022824-A	Solid	Benzo(a)pyrene		600.000		130	240 ug/Kg
P1621-01	EO-01-022824-A	Solid	Benzo(b)fluoranthene		700.000		110	240 ug/Kg
P1621-01	EO-01-022824-A	Solid	Benzo(g,h,i)perylene		400.000		130	240 ug/Kg
P1621-01	EO-01-022824-A	Solid	Benzo(k)fluoranthene		260.000		120	240 ug/Kg
P1621-01	EO-01-022824-A	Solid	Chrysene		530.000		120	240 ug/Kg
P1621-01	EO-01-022824-A	Solid	Fluoranthene		1,000.000		130	240 ug/Kg
P1621-01	EO-01-022824-A	Solid	Fluorene		160.000	J	120	240 ug/Kg
P1621-01	EO-01-022824-A	Solid	Indeno(1,2,3-cd)pyrene		310.000		150	240 ug/Kg
P1621-01	EO-01-022824-A	Solid	Phenanthrene		810.000		130	240 ug/Kg
P1621-01	EO-01-022824-A	Solid	Pyrene		1,300.000		120	240 ug/Kg
P1621-01	EO-01-022824-A	Solid	Total PAH		7,230.000		2020	3840 ug/Kg
Total Svoc :					14,460.00			

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SDG No.: BP022924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				18,670.00				
Client ID :	EO-01-022824-B							
P1621-03	EO-01-022824-B	Solid	4b,8-Dimethyl-2-isopropylphenan *	110.000	J			
P1621-03	EO-01-022824-B	Solid	9-Octadecenoic acid (Z)-, methyl *	640.000	J			
P1621-03	EO-01-022824-B	Solid	Adipic acid, 2-ethylhexyl octyl es *	1,800.000	J			
P1621-03	EO-01-022824-B	Solid	Heptadecane *	130.000	J			
P1621-03	EO-01-022824-B	Solid	Methyl 9-cis,11-trans-octadecadie *	990.000	J			
P1621-03	EO-01-022824-B	Solid	n-Hexadecanoic acid *	440.000	J			
P1621-03	EO-01-022824-B	Solid	Octadecanoic acid *	150.000	J			
P1621-03	EO-01-022824-B	Solid	Pentadecanoic acid, 14-methyl-, n *	200.000	J			
P1621-03	EO-01-022824-B	Solid	Tridecanoic acid, 12-methyl-, met *	130.000	J			
Total Tics :				4,590.00				
P1621-03	EO-01-022824-B	Solid	Benzo(b)fluoranthene	120.000	J	110	230	ug/Kg
P1621-03	EO-01-022824-B	Solid	Chrysene	120.000	J	120	230	ug/Kg
P1621-03	EO-01-022824-B	Solid	Fluoranthene	140.000	J	130	230	ug/Kg
P1621-03	EO-01-022824-B	Solid	Pyrene	230.000		120	230	ug/Kg
Total Svoc :				610.00				
Total Concentration:				5,200.00				
Client ID :	HD-02-022824							
P1622-01	HD-02-022824	Solid	4H-Cyclopenta[def]phenanthrene *	220.000	J			
P1622-01	HD-02-022824	Solid	9-Octadecenoic acid (Z)-, methyl *	390.000	J			
P1622-01	HD-02-022824	Solid	Adipic acid, 2-ethylhexyl octyl es *	730.000	J			
P1622-01	HD-02-022824	Solid	cis-11,14-Eicosadienoic acid, metl *	640.000	J			
P1622-01	HD-02-022824	Solid	Hexadecanoic acid, methyl ester *	150.000	J			
P1622-01	HD-02-022824	Solid	Methyl stearate *	93.400	J			
P1622-01	HD-02-022824	Solid	n-Hexadecanoic acid *	360.000	J			
Total Tics :				2,583.40				
P1622-01	HD-02-022824	Solid	Benzo(a)anthracene	310.000		110	230	ug/Kg
P1622-01	HD-02-022824	Solid	Benzo(a)pyrene	280.000		130	230	ug/Kg
P1622-01	HD-02-022824	Solid	Benzo(b)fluoranthene	330.000		110	230	ug/Kg
P1622-01	HD-02-022824	Solid	Benzo(g,h,i)perylene	150.000	J	130	230	ug/Kg
P1622-01	HD-02-022824	Solid	Chrysene	300.000		120	230	ug/Kg
P1622-01	HD-02-022824	Solid	Fluoranthene	470.000		130	230	ug/Kg
P1622-01	HD-02-022824	Solid	Phenanthrene	280.000		130	230	ug/Kg
P1622-01	HD-02-022824	Solid	Pyrene	640.000		110	230	ug/Kg
Total Svoc :				2,760.00				
Total Concentration:				5,343.40				
Client ID :	SP-6							
P1639-11	SP-6	Solid	Adipic acid, 2-ethylhexyl octyl es *	1,600.000	J			
P1639-11	SP-6	Solid	n-Hexadecanoic acid *	190.000	J			
P1639-11	SP-6	Solid	Octadecanoic acid *	54.900	J			

Hit Summary Sheet SW-846

SDG No.: BP022924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1639-11	SP-6	Solid	Pentacos-1-ene	*	85.500	J		
			Total Tics :			1,930.40		
P1639-11	SP-6	Solid	Diethylphthalate		80.700	J 51.5	100	ug/Kg
			Total Svoc :			80.70		
			Total Concentration:			2,011.10		
Client ID : SP-7								
P1639-21	SP-7	Solid	1-Tricosene	*	120.000	J		
P1639-21	SP-7	Solid	Adipic acid, 2-ethylhexyl octyl es	*	940.000	J		
P1639-21	SP-7	Solid	n-Hexadecanoic acid	*	200.000	J		
			Total Tics :			1,260.00		
P1639-21	SP-7	Solid	Benzo(a)pyrene		110.000	J 110	200	ug/Kg
P1639-21	SP-7	Solid	Benzo(b)fluoranthene		150.000	J 96.2	200	ug/Kg
P1639-21	SP-7	Solid	Pyrene		140.000	J 100	200	ug/Kg
			Total Svoc :			400.00		
			Total Concentration:			1,660.00		
Client ID : SP-8								
P1639-31	SP-8	Solid	5-Eicosene, (E)-	*	81.100	J		
P1639-31	SP-8	Solid	Adipic acid, 2-ethylhexyl octyl es	*	520.000	J		
P1639-31	SP-8	Solid	n-Hexadecanoic acid	*	170.000	J		
			Total Tics :			771.10		
P1639-31	SP-8	Solid	Benzo(b)fluoranthene		52.000	J 48.1	100	ug/Kg
P1639-31	SP-8	Solid	Fluoranthene		81.400	J 56.6	100	ug/Kg
P1639-31	SP-8	Solid	Pyrene		65.900	J 50.1	100	ug/Kg
			Total Svoc :			199.30		
			Total Concentration:			970.40		



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.: BP022924 SAS No.: BP022924 SDG NO.: BP022924EPA Sample No.: SSTDICCC040 Date Analyzed: Feb 29 2024 12:00AMLab File ID: BP019880.D Time Analyzed: 11:41Instrument 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	PB159345BL	78532	7.91	311246	10.72	230157	14.56
02	PB159345BS	101853	7.91	419490	10.72	298215	14.56
03	20241097-COMPOSITE-35N-N-4-02	76299	7.90	279562	10.70	188194	14.55
04	WC-1DL	77811	7.89	291086	10.70	201621	14.55
05	VNJ218	79584	7.89	307747	10.70	217700	14.55
06	WC-2DL	66504	7.89	257701	10.70	184375	14.54
07	VNJ218DL	74567	7.89	288934	10.70	213181	14.54
08	WC-4DL	69299	7.89	262966	10.70	184472	14.54
09	SP-6	87237	7.89	322316	10.70	226437	14.54
10	SP-6MS	74963	7.89	281700	10.70	207138	14.54
11	SP-6MSD	70732	7.89	274140	10.70	197501	14.54
12	SP-3	76788	7.89	291692	10.70	207382	14.54
13	SP-4	91629	7.89	356053	10.69	256919	14.54
14	SP-1	95374	7.89	371655	10.69	261824	14.54
15	SP-2	95365	7.89	369460	10.69	268260	14.54
16	SP-8	70223	7.89	281614	10.69	216054	14.54
17	EO-01-022824-A	72992	7.89	293513	10.69	217325	14.54
18	EO-01-022824-B	80132	7.89	296843	10.70	204582	14.54
19	HD-02-022824	66965	7.89	266698	10.70	204733	14.54
20	SP-7	96500	7.89	378735	10.70	274729	14.54

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP022924 SAS No.: BP022924 SDG NO.: BP022924

EPA Sample No.: SSTDICCC040 Date Analyzed: Feb 29 2024 12:00AM

Lab File ID: BP019880.D Time Analyzed: 22:28

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.: BP022924 SAS No.: BP022924 SDG NO.: BP022924EPA Sample No.: SSTDCCC040 Date Analyzed: Feb 29 2024 12:00AMLab File ID: BP019930.D Time Analyzed: 11:41Instrument 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	79449	7.91	330133	10.72	256698	14.56
	UPPER LIMIT	158898	8.41	660266	11.216	513396	15.057
	LOWER LIMIT	39724.5	7.41	165066.5	10.216	128349	14.057
	EPA SAMPLE NO.						
01	PB159345BL	78532	7.91	311246	10.72	230157	14.56
02	PB159345BS	101853	7.91	419490	10.72	298215	14.56
03	20241097-COMPOSITE-35N-N-4-02	76299	7.90	279562	10.70	188194	14.55
04	WC-1DL	77811	7.89	291086	10.70	201621	14.55
05	VNJ218	79584	7.89	307747	10.70	217700	14.55
06	WC-2DL	66504	7.89	257701	10.70	184375	14.54
07	VNJ218DL	74567	7.89	288934	10.70	213181	14.54
08	WC-4DL	69299	7.89	262966	10.70	184472	14.54
09	SP-6	87237	7.89	322316	10.70	226437	14.54
10	SP-6MS	74963	7.89	281700	10.70	207138	14.54
11	SP-6MSD	70732	7.89	274140	10.70	197501	14.54
12	SP-3	76788	7.89	291692	10.70	207382	14.54
13	SP-4	91629	7.89	356053	10.69	256919	14.54
14	SP-1	95374	7.89	371655	10.69	261824	14.54
15	SP-2	95365	7.89	369460	10.69	268260	14.54
16	SP-8	70223	7.89	281614	10.69	216054	14.54
17	EO-01-022824-A	72992	7.89	293513	10.69	217325	14.54
18	EO-01-022824-B	80132	7.89	296843	10.70	204582	14.54
19	HD-02-022824	66965	7.89	266698	10.70	204733	14.54
20	SP-7	96500	7.89	378735	10.70	274729	14.54

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP022924 SAS No.: BP022924 SDG NO.: BP022924

EPA Sample No.: SSTDCCC040 Date Analyzed: Feb 29 2024 12:00AM

Lab File ID: BP019930.D Time Analyzed: 22:28

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	79449	7.91	330133	10.72	256698	14.56
UPPER LIMIT	158898	8.41	660266	11.216	513396	15.057
LOWER LIMIT	39724.5	7.41	165066.5	10.216	128349	14.057
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.: BP022924 SAS No.: BP022924 SDG NO.: BP022924

EPA Sample No.: SSTDICCC040 Date Analyzed: Feb 29 2024 12:00AM

Lab File ID: BP019880.D Time Analyzed: 11:41

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 PB159345BL	589221	17.32	549018	21.42	659378	23.86
02 PB159345BS	682314	17.32	524513	21.43	515135	23.86
03 20241097-COMPOSITE-35N-N-4	406877	17.31	423293	21.42	546010	23.85
04 WC-1DL	446100	17.31	452481	21.41	560625	23.85
05 VNJ218	497485	17.31	501843	21.42	484609	23.86
06 WC-2DL	422276	17.31	443515	21.42	478654	23.85
07 VNJ218DL	500562	17.30	515791	21.41	536009	23.85
08 WC-4DL	426959	17.30	453129	21.41	489035	23.84
09 SP-6	529970	17.30	524383	21.41	541227	23.84
10 SP-6MS	497705	17.30	541007	21.42	594439	23.84
11 SP-6MSD	470027	17.30	504115	21.41	536206	23.84
12 SP-3	481672	17.30	482886	21.40	489655	23.83
13 SP-4	616464	17.30	562651	21.40	534687	23.83
14 SP-1	589222	17.30	458055	21.40	484542	23.83
15 SP-2	631846	17.30	563317	21.40	537604	23.83
16 SP-8	563322	17.30	594935	21.40	603316	23.83
17 EO-01-022824-A	522000	17.30	469928	21.40	465467	23.84
18 EO-01-022824-B	451348	17.30	342549	21.41	381942	23.84
19 HD-02-022824	497783	17.30	426267	21.41	447459	23.85
20 SP-7	599725	17.30	417247	21.41	464158	23.84

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP022924 SAS No.: BP022924 SDG NO.: BP022924

EPA Sample No.: SSTDICCC040 Date Analyzed: Feb 29 2024 12:00AM

Lab File ID: BP019880.D Time Analyzed: 22:28

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.: BP022924 SAS No.: BP022924 SDG NO.: BP022924

EPA Sample No.: SSTDCCC040

Date Analyzed: Feb 29 2024 12:00AM

Lab File ID: BP019930.D

Time Analyzed: 11:41

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	611460	17.322	560824	21.427	632088	23.868
UPPER LIMIT	1222920	17.822	1121648	21.927	1264176	24.368
LOWER LIMIT	305730	16.822	280412	20.927	316044	23.368
EPA SAMPLE NO.						
01 PB159345BL	589221	17.32	549018	21.42	659378	23.86
02 PB159345BS	682314	17.32	524513	21.43	515135	23.86
03 20241097-COMPOSITE-35N-N-4	406877	17.31	423293	21.42	546010	23.85
04 WC-1DL	446100	17.31	452481	21.41	560625	23.85
05 VNJ218	497485	17.31	501843	21.42	484609	23.86
06 WC-2DL	422276	17.31	443515	21.42	478654	23.85
07 VNJ218DL	500562	17.30	515791	21.41	536009	23.85
08 WC-4DL	426959	17.30	453129	21.41	489035	23.84
09 SP-6	529970	17.30	524383	21.41	541227	23.84
10 SP-6MS	497705	17.30	541007	21.42	594439	23.84
11 SP-6MSD	470027	17.30	504115	21.41	536206	23.84
12 SP-3	481672	17.30	482886	21.40	489655	23.83
13 SP-4	616464	17.30	562651	21.40	534687	23.83
14 SP-1	589222	17.30	458055	21.40	484542	23.83
15 SP-2	631846	17.30	563317	21.40	537604	23.83
16 SP-8	563322	17.30	594935	21.40	603316	23.83
17 EO-01-022824-A	522000	17.30	469928	21.40	465467	23.84
18 EO-01-022824-B	451348	17.30	342549	21.41	381942	23.84
19 HD-02-022824	497783	17.30	426267	21.41	447459	23.85
20 SP-7	599725	17.30	417247	21.41	464158	23.84

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP022924 SAS No.: BP022924 SDG NO.: BP022924

EPA Sample No.: SSTDCCC040 Date Analyzed: Feb 29 2024 12:00AM

Lab File ID: BP019930.D Time Analyzed: 22:28

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	611460	17.322	560824	21.427	632088	23.868
UPPER LIMIT	1222920	17.822	1121648	21.927	1264176	24.368
LOWER LIMIT	305730	16.822	280412	20.927	316044	23.368
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.: BP022924

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB159345BS	n-Nitrosodimethylamine	1700	1500	ug/Kg	88				57	103		
	Pyridine	1700	1000	ug/Kg	59				28	98		
	Benzaldehyde	1700	360	ug/Kg	21				10	147		
	Aniline	1700	810	ug/Kg	48				38	100		
	Phenol	1700	1600	ug/Kg	94				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	1400	ug/Kg	82				61	108		
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100		
	Acetophenone	1700	1300	ug/Kg	76				55	104		
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111		
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				63	95		
	Hexachloroethane	1700	1500	ug/Kg	88				72	108		
	Nitrobenzene	1700	1400	ug/Kg	82				57	101		
	Isophorone	1700	1400	ug/Kg	82				59	99		
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111		
	2,4-Dimethylphenol	1700	1300	ug/Kg	76				67	119		
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				53	105		
	2,4-Dichlorophenol	1700	1700	ug/Kg	100				62	107		
	1,2,4-Trichlorobenzene	1700	1600	ug/Kg	94				44	110		
	Benzoic acid	1700	1500	ug/Kg	88				10	140		
	Naphthalene	1700	1500	ug/Kg	88				62	100		
	4-Chloroaniline	1700	640	ug/Kg	38				16	100		
	Hexachlorobutadiene	1700	1600	ug/Kg	94				53	98		
	Caprolactam	1700	1400	ug/Kg	82				67	110		
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112		
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104		
	Hexachlorocyclopentadiene	3300	3400	ug/Kg	103				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	1500	ug/Kg	88				61	104		
	3-Nitroaniline	1700	1000	ug/Kg	59				28	100		
	Acenaphthene	1700	1500	ug/Kg	88				57	104		
	Total PAH	27200	24700	ug/Kg	91				57	104		
	2,4-Dinitrophenol	3300	3300	ug/Kg	100				37	128		
	4-Nitrophenol	3300	3000	ug/Kg	91				48	119		
	Dibenzofuran	1700	1500	ug/Kg	88				63	99		



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

SDG No.: BP022924

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB159345BS	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106		
	2,4-Dinitrotoluene/2,6-Dinitrotrc	3400	3000	ug/Kg	88				60	106		
	Diethylphthalate	1700	1500	ug/Kg	88				60	101		
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				58	98		
	Fluorene	1700	1600	ug/Kg	94				61	101		
	4-Nitroaniline	1700	1400	ug/Kg	82				64	103		
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113		
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				56	107		
	Azobenzene	1700	1500	ug/Kg	88				54	103		
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				55	99		
	Hexachlorobenzene	1700	1700	ug/Kg	100		*		64	98		
	Atrazine	1700	1300	ug/Kg	76				67	113		
	Pentachlorophenol	3300	3000	ug/Kg	91				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	1300	ug/Kg	76				57	107		
	Benzidine	3300	1000	ug/Kg	30				10	98		
	Pyrene	1700	1700	ug/Kg	100				59	103		
	Butylbenzylphthalate	1700	1500	ug/Kg	88				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	1500	ug/Kg	88				63	111		
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				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	1500	ug/Kg	88				61	112		
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108		
	1,2,4,5-Tetrachlorobenzene	1700	1700	ug/Kg	100				53	101		
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96		
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108		
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130		



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

20241097-COMPOSITE-

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP022924SAS No.: BP022924 SDG NO.: BP022924Lab File ID: BP019933.DLab Sample ID: P1538-02Instrument ID: BNA_PDate Extracted: 02/22/2024Matrix: (soil/water) SolidDate Analyzed: 02/29/2024Level: (low/med) LOWTime Analyzed: 12:54

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	BP019933.D	02/29/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159345BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP022924SAS No.: BP022924 SDG NO.: BP022924Lab File ID: BP019931.DLab Sample ID: PB159345BLInstrument ID: BNA_PDate Extracted: 02/28/2024Matrix: (soil/water) SolidDate Analyzed: 02/29/2024Level: (low/med) LOWTime Analyzed: 11:41

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159345BS	PB159345BS	BP019932.D	02/29/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VNJ218

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP022924SAS No.: BP022924 SDG NO.: BP022924Lab File ID: BP019935.DLab Sample ID: P1544-01Instrument ID: BNA_PDate Extracted: 02/29/2024Matrix: (soil/water) SolidDate Analyzed: 02/29/2024Level: (low/med) LOWTime Analyzed: 14:01

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VNJ218	P1544-01	BP019935.D	02/29/2024
SP-6	P1639-11	BP019939.D	02/29/2024
SP-6MS	P1639-11MS	BP019940.D	02/29/2024
SP-6MSD	P1639-11MSD	BP019941.D	02/29/2024
SP-3	P1620-21	BP019942.D	02/29/2024
SP-4	P1620-31	BP019943.D	02/29/2024
SP-1	P1620-01	BP019944.D	02/29/2024
SP-2	P1620-11	BP019945.D	02/29/2024
SP-8	P1639-31	BP019946.D	02/29/2024
EO-01-022824-A	P1621-01	BP019947.D	02/29/2024
EO-01-022824-B	P1621-03	BP019948.D	02/29/2024
HD-02-022824	P1622-01	BP019949.D	02/29/2024
SP-7	P1639-21	BP019950.D	02/29/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BP022924

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	High	RPD
Lab Sample ID:	P1639-11MS	Client Sample ID:	SP-6MS					DataFile:	BP019940.D		
n-Nitrosodimethylamine	1100		960	ug/Kg	87				66	124	
Pyridine	1100		750	ug/Kg	68				45	119	
Benzaldehyde	1100		170	ug/Kg	15	*			26	163	
Aniline	1100		430	ug/Kg	39				10	88	
Phenol	1100		930	ug/Kg	85				67	126	
bis(2-Chloroethyl)ether	1100		850	ug/Kg	77				74	116	
2-Chlorophenol	1100		1000	ug/Kg	91				61	138	
1,2-Dichlorobenzene	1100		980	ug/Kg	89				61	105	
1,3-Dichlorobenzene	1100		1000	ug/Kg	91				62	101	
1,4-Dichlorobenzene	1100		1000	ug/Kg	91				63	104	
Benzyl Alcohol	1100		860	ug/Kg	78				47	126	
2-Methylphenol	1100		830	ug/Kg	75				66	122	
2,2-oxybis(1-Chloropropane)	1100		800	ug/Kg	73				52	115	
Acetophenone	1100		890	ug/Kg	81				75	111	
3+4-Methylphenols	1100		800	ug/Kg	73				53	132	
N-Nitroso-di-n-propylamine	1100		770	ug/Kg	70				59	119	
Hexachloroethane	1100		1000	ug/Kg	91				65	117	
Nitrobenzene	1100		890	ug/Kg	81				70	119	
Isophorone	1100		900	ug/Kg	82				76	122	
2-Nitrophenol	1100		1000	ug/Kg	91				54	145	
2,4-Dimethylphenol	1100		860	ug/Kg	78	*			83	144	
bis(2-Chloroethoxy)methane	1100		910	ug/Kg	83				68	112	
2,4-Dichlorophenol	1100		1100	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	1100		1100	ug/Kg	100				57	103	
Benzoic acid	1100		990	ug/Kg	90				50	104	
Naphthalene	1100		980	ug/Kg	89				72	110	
4-Chloroaniline	1100		330	ug/Kg	30				10	100	
Hexachlorobutadiene	1100		1100	ug/Kg	100				66	114	
Caprolactam	1100		940	ug/Kg	85				51	134	
4-Chloro-3-methylphenol	1100		970	ug/Kg	88				57	132	
2-Methylnaphthalene	1100		910	ug/Kg	83				59	123	
Hexachlorocyclopentadiene	2200		1400	ug/Kg	64				10	175	
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	1100		990	ug/Kg	90				72	117	
1,1-Biphenyl	1100		1000	ug/Kg	91				75	113	
2-Chloronaphthalene	1100		1100	ug/Kg	100				67	118	
2-Nitroaniline	1100		960	ug/Kg	87				69	127	
Dimethylphthalate	1100		960	ug/Kg	87				70	113	
Acenaphthylene	1100		1000	ug/Kg	91				79	118	
2,6-Dinitrotoluene	1100		990	ug/Kg	90				70	125	
3-Nitroaniline	1100		630	ug/Kg	57				20	111	
Acenaphthene	1100		980	ug/Kg	89				70	121	
Total PAH	17600		15880	ug/Kg	90				70	121	
2,4-Dinitrophenol	2200		2000	ug/Kg	91				16	160	
4-Nitrophenol	2200		2200	ug/Kg	100				45	133	
Dibenzofuran	1100		1000	ug/Kg	91				72	110	
2,4-Dinitrotoluene	1100		1000	ug/Kg	91				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BP022924

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1990	ug/Kg	90				55	128	
Diethylphthalate	1100	80.7	1100	ug/Kg	93				70	112	
4-Chlorophenyl-phenylether	1100		1000	ug/Kg	91				71	108	
Fluorene	1100		1000	ug/Kg	91				68	116	
4-Nitroaniline	1100		960	ug/Kg	87				55	120	
4,6-Dinitro-2-methylphenol	1100		980	ug/Kg	89				32	145	
N-Nitrosodiphenylamine	1100		980	ug/Kg	89				73	118	
Azobenzene	1100		970	ug/Kg	88				73	110	
4-Bromophenyl-phenylether	1100		1000	ug/Kg	91				65	121	
Hexachlorobenzene	1100		1100	ug/Kg	100				67	118	
Atrazine	1100		1000	ug/Kg	91				79	127	
Pentachlorophenol	2200		2100	ug/Kg	95				47	128	
Phenanthrene	1100		1000	ug/Kg	91				72	113	
Anthracene	1100		1000	ug/Kg	91				62	124	
Carbazole	1100		1000	ug/Kg	91				59	119	
Di-n-butylphthalate	1100		990	ug/Kg	90				69	118	
Fluoranthene	1100		1000	ug/Kg	91				59	125	
Benzidine	2200		1200	ug/Kg	55				10	119	
Pyrene	1100		1000	ug/Kg	91				52	128	
Butylbenzylphthalate	1100		950	ug/Kg	86				64	126	
3,3-Dichlorobenzidine	1100		760	ug/Kg	69				10	164	
Benzo(a)anthracene	1100		1000	ug/Kg	91				71	114	
Chrysene	1100		1000	ug/Kg	91				57	121	
bis(2-Ethylhexyl)phthalate	1100		940	ug/Kg	85				66	127	
Di-n-octyl phthalate	1100		1000	ug/Kg	91				71	126	
Benzo(b)fluoranthene	1100		1100	ug/Kg	100				67	121	
Benzo(k)fluoranthene	1100		1000	ug/Kg	91				74	114	
Benzo(a)pyrene	1100		980	ug/Kg	89				70	142	
Indeno(1,2,3-cd)pyrene	1100		970	ug/Kg	88				61	125	
Dibenz(a,h)anthracene	1100		970	ug/Kg	88				67	130	
Benzo(g,h,i)perylene	1100		900	ug/Kg	82				53	140	
1,2,4,5-Tetrachlorobenzene	1100		1100	ug/Kg	100				69	124	
1,4-Dioxane	1100		840	ug/Kg	76				46	112	
2,3,4,6-Tetrachlorophenol	1100		1100	ug/Kg	100				56	133	
1-Methylnaphthalene	1100		920	ug/Kg	84				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BP022924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Low	Limits	
		Result				Qual		Qual		High	RPD
Lab Sample ID:	P1639-11MSD	Client Sample ID:	SP-6MSD				DataFile:	BP019941.D			
n-Nitrosodimethylamine	1100		900	ug/Kg	82		6		66	124	20
Pyridine	1100		710	ug/Kg	65		5		45	119	20
Benzaldehyde	1100		160	ug/Kg	15	*	0		26	163	20
Aniline	1100		400	ug/Kg	36		8		10	88	20
Phenol	1100		890	ug/Kg	81		5		67	126	20
bis(2-Chloroethyl)ether	1100		820	ug/Kg	75		3		74	116	20
2-Chlorophenol	1100		940	ug/Kg	85		7		61	138	20
1,2-Dichlorobenzene	1100		940	ug/Kg	85		5		61	105	20
1,3-Dichlorobenzene	1100		960	ug/Kg	87		4		62	101	20
1,4-Dichlorobenzene	1100		980	ug/Kg	89		2		63	104	20
Benzyl Alcohol	1100		830	ug/Kg	75		4		47	126	20
2-Methylphenol	1100		790	ug/Kg	72		4		66	122	20
2,2-oxybis(1-Chloropropane)	1100		770	ug/Kg	70		4		52	115	20
Acetophenone	1100		820	ug/Kg	75		8		75	111	20
3+4-Methylphenols	1100		750	ug/Kg	68		7		53	132	20
N-Nitroso-di-n-propylamine	1100		730	ug/Kg	66		6		59	119	20
Hexachloroethane	1100		930	ug/Kg	85		7		65	117	20
Nitrobenzene	1100		830	ug/Kg	75		8		70	119	20
Isophorone	1100		830	ug/Kg	75	*	9		76	122	20
2-Nitrophenol	1100		950	ug/Kg	86		6		54	145	20
2,4-Dimethylphenol	1100		770	ug/Kg	70	*	11		83	144	20
bis(2-Chloroethoxy)methane	1100		840	ug/Kg	76		9		68	112	20
2,4-Dichlorophenol	1100		980	ug/Kg	89		12		72	118	20
1,2,4-Trichlorobenzene	1100		1000	ug/Kg	91		9		57	103	20
Benzoic acid	1100		930	ug/Kg	85		6		50	104	20
Naphthalene	1100		920	ug/Kg	84		6		72	110	20
4-Chloroaniline	1100		320	ug/Kg	29		3		10	100	20
Hexachlorobutadiene	1100		980	ug/Kg	89		12		66	114	20
Caprolactam	1100		840	ug/Kg	76		11		51	134	20
4-Chloro-3-methylphenol	1100		890	ug/Kg	81		8		57	132	20
2-Methylnaphthalene	1100		850	ug/Kg	77		8		59	123	20
Hexachlorocyclopentadiene	2200		1100	ug/Kg	50		25	*	10	175	20
2,4,6-Trichlorophenol	1100		1000	ug/Kg	91		9		72	117	20
2,4,5-Trichlorophenol	1100		930	ug/Kg	85		6		72	117	20
1,1-Biphenyl	1100		950	ug/Kg	86		6		75	113	20
2-Chloronaphthalene	1100		980	ug/Kg	89		12		67	118	20
2-Nitroaniline	1100		900	ug/Kg	82		6		69	127	20
Dimethylphthalate	1100		880	ug/Kg	80		8		70	113	20
Acenaphthylene	1100		980	ug/Kg	89		2		79	118	20
2,6-Dinitrotoluene	1100		910	ug/Kg	83		8		70	125	20
3-Nitroaniline	1100		600	ug/Kg	55		4		20	111	20
Acenaphthene	1100		920	ug/Kg	84		6		70	121	20
Total PAH	17600		15090	ug/Kg	86		5		70	121	20
2,4-Dinitrophenol	2200		1700	ug/Kg	77		17		16	160	20
4-Nitrophenol	2200		2000	ug/Kg	91		9		45	133	20
Dibenzofuran	1100		950	ug/Kg	86		6		72	110	20
2,4-Dinitrotoluene	1100		940	ug/Kg	85		7		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BP022924

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		RPD
									Low	High	
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1850	ug/Kg	84		7		55	128	20
Diethylphthalate	1100	80.7	950	ug/Kg	79		16		70	112	20
4-Chlorophenyl-phenylether	1100		940	ug/Kg	85		7		71	108	20
Fluorene	1100		950	ug/Kg	86		6		68	116	20
4-Nitroaniline	1100		900	ug/Kg	82		6		55	120	20
4,6-Dinitro-2-methylphenol	1100		860	ug/Kg	78		13		32	145	20
N-Nitrosodiphenylamine	1100		920	ug/Kg	84		6		73	118	20
Azobenzene	1100		900	ug/Kg	82		7		73	110	20
4-Bromophenyl-phenylether	1100		930	ug/Kg	85		7		65	121	20
Hexachlorobenzene	1100		1000	ug/Kg	91		9		67	118	20
Atrazine	1100		920	ug/Kg	84		8		79	127	20
Pentachlorophenol	2200		1900	ug/Kg	86		10		47	128	20
Phenanthrene	1100		960	ug/Kg	87		4		72	113	20
Anthracene	1100		940	ug/Kg	85		7		62	124	20
Carbazole	1100		970	ug/Kg	88		3		59	119	20
Di-n-butylphthalate	1100		910	ug/Kg	83		8		69	118	20
Fluoranthene	1100		970	ug/Kg	88		3		59	125	20
Benzidine	2200		1100	ug/Kg	50		10		10	119	20
Pyrene	1100		940	ug/Kg	85		7		52	128	20
Butylbenzylphthalate	1100		870	ug/Kg	79		8		64	126	20
3,3-Dichlorobenzidine	1100		750	ug/Kg	68		1		10	164	20
Benzo(a)anthracene	1100		960	ug/Kg	87		4		71	114	20
Chrysene	1100		940	ug/Kg	85		7		57	121	20
bis(2-Ethylhexyl)phthalate	1100		850	ug/Kg	77		10		66	127	20
Di-n-octyl phthalate	1100		920	ug/Kg	84		8		71	126	20
Benzo(b)fluoranthene	1100		1000	ug/Kg	91		9		67	121	20
Benzo(k)fluoranthene	1100		970	ug/Kg	88		3		74	114	20
Benzo(a)pyrene	1100		940	ug/Kg	85		5		70	142	20
Indeno(1,2,3-cd)pyrene	1100		920	ug/Kg	84		5		61	125	20
Dibenz(a,h)anthracene	1100		910	ug/Kg	83		6		67	130	20
Benzo(g,h,i)perylene	1100		870	ug/Kg	79		4		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		1000	ug/Kg	91		9		69	124	20
1,4-Dioxane	1100		780	ug/Kg	71		7		46	112	20
2,3,4,6-Tetrachlorophenol	1100		990	ug/Kg	90		11		56	133	20
1-Methylnaphthalene	1100		860	ug/Kg	78		7		70	130	20



Surrogate Summary
SW-846

SDG No.: BP022924

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1538-02	20241097-COMPO:BP019933.D		2-Fluorophenol	150	98.10	65		18	112
			Phenol-d6	150	86.91	58		15	107
			Nitrobenzene-d5	100	58.67	59		18	107
			2-Fluorobiphenyl	100	58.89	59		20	109
			2,4,6-Tribromophenol	150	105.31	70		10	110
			Terphenyl-d14	100	56.03	56		14	112



Surrogate Summary
SW-846

SDG No.: BP022924

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1602-01DL	WC-1DL	BP019934.D	2-Fluorophenol	150	71.27	48		18	112
			Phenol-d6	150	62.78	42		15	107
			Nitrobenzene-d5	100	43.39	43		18	107
			2-Fluorobiphenyl	100	46.57	47		20	109
			2,4,6-Tribromophenol	150	73.27	49		10	110
			Terphenyl-d14	100	41.95	42		14	112
P1602-04DL	WC-2DL	BP019936.D	2-Fluorophenol	150	78.49	52		18	112
			Phenol-d6	150	73.02	49		15	107
			Nitrobenzene-d5	100	47.93	48		18	107
			2-Fluorobiphenyl	100	50.40	50		20	109
			2,4,6-Tribromophenol	150	85.68	57		10	110
			Terphenyl-d14	100	46.49	46		14	112
P1602-10DL	WC-4DL	BP019938.D	2-Fluorophenol	150	88.67	59		18	112
			Phenol-d6	150	78.45	52		15	107
			Nitrobenzene-d5	100	52.50	52		18	107
			2-Fluorobiphenyl	100	55.77	56		20	109
			2,4,6-Tribromophenol	150	94.32	63		10	110
			Terphenyl-d14	100	50.02	50		14	112



Surrogate Summary
SW-846

SDG No.: BP022924

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB159345BL	PB159345BL	BP019931.D	2-Fluorophenol	150	129.76	87		18	112
			Phenol-d6	150	117.56	78		15	107
			Nitrobenzene-d5	100	72.35	72		18	107
			2-Fluorobiphenyl	100	84.60	85		20	109
			2,4,6-Tribromophenol	150	143.55	96		10	110
			Terphenyl-d14	100	85.76	86		14	112
PB159345BS	PB159345BS	BP019932.D	2-Fluorophenol	150	145.78	97		18	112
			Phenol-d6	150	134.33	90		15	107
			Nitrobenzene-d5	100	78.83	79		18	107
			2-Fluorobiphenyl	100	92.67	93		20	109
			2,4,6-Tribromophenol	150	147.70	98		10	110
			Terphenyl-d14	100	101.38	101		14	112

Surrogate Summary

SW-846

SDG No.: BP022924

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1544-01	VNJ218	BP019935.D	2-Fluorophenol	150	108.22	72		18	112
			Phenol-d6	150	98.44	66		15	107
			Nitrobenzene-d5	100	64.60	65		18	107
			2-Fluorobiphenyl	100	72.75	73		20	109
			2,4,6-Tribromophenol	150	121.96	81		10	110
			Terphenyl-d14	100	68.98	69		14	112
P1544-01DL	VNJ218DL	BP019937.D	2-Fluorophenol	150	94.09	63		18	112
			Phenol-d6	150	83.53	56		15	107
			Nitrobenzene-d5	100	58.81	59		18	107
			2-Fluorobiphenyl	100	65.33	65		20	109
			2,4,6-Tribromophenol	150	102.40	68		10	110
			Terphenyl-d14	100	64.53	65		14	112
P1620-01	SP-1	BP019944.D	2-Fluorophenol	150	86.58	58		18	112
			Phenol-d6	150	78.49	52		15	107
			Nitrobenzene-d5	100	51.03	51		18	107
			2-Fluorobiphenyl	100	56.00	56		20	109
			2,4,6-Tribromophenol	150	89.87	60		10	110
			Terphenyl-d14	100	63.49	63		14	112
P1620-11	SP-2	BP019945.D	2-Fluorophenol	150	77.96	52		18	112
			Phenol-d6	150	72.97	49		15	107
			Nitrobenzene-d5	100	48.54	49		18	107
			2-Fluorobiphenyl	100	52.13	52		20	109
			2,4,6-Tribromophenol	150	78.20	52		10	110
			Terphenyl-d14	100	58.27	58		14	112
P1620-21	SP-3	BP019942.D	2-Fluorophenol	150	69.89	47		18	112
			Phenol-d6	150	63.13	42		15	107
			Nitrobenzene-d5	100	42.70	43		18	107
			2-Fluorobiphenyl	100	47.14	47		20	109
			2,4,6-Tribromophenol	150	74.06	49		10	110
			Terphenyl-d14	100	46.32	46		14	112
P1620-31	SP-4	BP019943.D	2-Fluorophenol	150	67.32	45		18	112
			Phenol-d6	150	63.25	42		15	107
			Nitrobenzene-d5	100	42.08	42		18	107
			2-Fluorobiphenyl	100	46.60	47		20	109
			2,4,6-Tribromophenol	150	70.01	47		10	110
			Terphenyl-d14	100	50.65	51		14	112
P1621-01	EO-01-022824-A	BP019947.D	2-Fluorophenol	150	75.73	50		18	112
			Phenol-d6	150	69.32	46		15	107
			Nitrobenzene-d5	100	43.04	43		18	107
			2-Fluorobiphenyl	100	47.63	48		20	109
			2,4,6-Tribromophenol	150	82.10	55		10	110
			Terphenyl-d14	100	51.68	52		14	112
P1621-03	EO-01-022824-B	BP019948.D	2-Fluorophenol	150	80.09	53		18	112
			Phenol-d6	150	70.50	47		15	107
			Nitrobenzene-d5	100	47.94	48		18	107
			2-Fluorobiphenyl	100	54.24	54		20	109
			2,4,6-Tribromophenol	150	85.85	57		10	110
			Terphenyl-d14	100	61.56	62		14	112
P1622-01	HD-02-022824	BP019949.D	2-Fluorophenol	150	49.60	33		18	112
			Phenol-d6	150	45.39	30		15	107
			Nitrobenzene-d5	100	28.97	29		18	107

Surrogate Summary

SW-846

SDG No.: BP022924

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1622-01	HD-02-022824	BP019949.D	2-Fluorobiphenyl	100	31.42	31		20	109
			2,4,6-Tribromophenol	150	54.77	37		10	110
			Terphenyl-d14	100	35.86	36		14	112
P1639-11	SP-6	BP019939.D	2-Fluorophenol	150	91.95	61		18	112
			Phenol-d6	150	84.11	56		15	107
			Nitrobenzene-d5	100	55.44	55		18	107
			2-Fluorobiphenyl	100	63.59	64		20	109
			2,4,6-Tribromophenol	150	108.50	72		10	110
			Terphenyl-d14	100	67.44	67		14	112
P1639-11MS	SP-6MS	BP019940.D	2-Fluorophenol	150	93.33	62		18	112
			Phenol-d6	150	86.29	58		15	107
			Nitrobenzene-d5	100	55.25	55		18	107
			2-Fluorobiphenyl	100	61.14	61		20	109
			2,4,6-Tribromophenol	150	107.98	72		10	110
			Terphenyl-d14	100	61.29	61		14	112
P1639-11MSD	SP-6MSD	BP019941.D	2-Fluorophenol	150	89.48	60		18	112
			Phenol-d6	150	83.23	55		15	107
			Nitrobenzene-d5	100	51.64	52		18	107
			2-Fluorobiphenyl	100	58.03	58		20	109
			2,4,6-Tribromophenol	150	100.12	67		10	110
			Terphenyl-d14	100	56.51	57		14	112
P1639-21	SP-7	BP019950.D	2-Fluorophenol	150	130.11	87		18	112
			Phenol-d6	150	119.28	80		15	107
			Nitrobenzene-d5	100	75.00	75		18	107
			2-Fluorobiphenyl	100	86.34	86		20	109
			2,4,6-Tribromophenol	150	134.16	89		10	110
			Terphenyl-d14	100	101.65	102		14	112
P1639-31	SP-8	BP019946.D	2-Fluorophenol	150	84.22	56		18	112
			Phenol-d6	150	79.84	53		15	107
			Nitrobenzene-d5	100	48.44	48		18	107
			2-Fluorobiphenyl	100	51.21	51		20	109
			2,4,6-Tribromophenol	150	101.65	68		10	110
			Terphenyl-d14	100	54.94	55		14	112



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BP022924

Lab Code: CHEM

SAS No.: BP022924 SDG NO.: BP022924

Lab File ID: BP019929.D

DFTPP Injection Date: 02/29/2024

Instrument ID: BNA_P

DFTPP Injection Time: 10:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	26.7
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	32.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	38.4
197	Less than 2.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	30.5
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	14.8
442	Greater than 50% of mass 198	99.4
443	15.0 - 24.0% of mass 442	19.6 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP019930.D	02/29/2024	11:07
PB159345BL	PB159345BL	BP019931.D	02/29/2024	11:41
PB159345BS	PB159345BS	BP019932.D	02/29/2024	12:15
20241097-COMPOSITE-35N-N-4-02	P1538-02	BP019933.D	02/29/2024	12:54
WC-1DL	P1602-01DL	BP019934.D	02/29/2024	13:27
VNJ218	P1544-01	BP019935.D	02/29/2024	14:01
WC-2DL	P1602-04DL	BP019936.D	02/29/2024	14:35
VNJ218DL	P1544-01DL	BP019937.D	02/29/2024	15:09
WC-4DL	P1602-10DL	BP019938.D	02/29/2024	15:43
SP-6	P1639-11	BP019939.D	02/29/2024	16:17
SP-6MS	P1639-11MS	BP019940.D	02/29/2024	16:51
SP-6MSD	P1639-11MSD	BP019941.D	02/29/2024	17:24
SP-3	P1620-21	BP019942.D	02/29/2024	17:58
SP-4	P1620-31	BP019943.D	02/29/2024	18:32
SP-1	P1620-01	BP019944.D	02/29/2024	19:06
SP-2	P1620-11	BP019945.D	02/29/2024	19:40
SP-8	P1639-31	BP019946.D	02/29/2024	20:13
EO-01-022824-A	P1621-01	BP019947.D	02/29/2024	20:47
EO-01-022824-B	P1621-03	BP019948.D	02/29/2024	21:21

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BP022924

Lab Code: CHEM

SAS No.: BP022924 SDG NO.: BP022924

Lab File ID: BP019929.D

DFTPP Injection Date: 02/29/2024

Instrument ID: BNA_P

DFTPP Injection Time: 10:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	26.7
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	32.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	38.4
197	Less than 2.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	30.5
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	14.8
442	Greater than 50% of mass 198	99.4
443	15.0 - 24.0% of mass 442	19.6 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
HD-02-022824	P1622-01	BP019949.D	02/29/2024	21:54
SP-7	P1639-21	BP019950.D	02/29/2024	22:28