

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP022124 SAS No.: BP022124 SDG No.: BP022124

Instrument ID: BNA_P Calibration Date/Time: 2/21/2024 1:09:59

Lab File ID: BP019799.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	0.564	0.529		-6.206	
Pyridine	1.296	1.216		-6.173	
2-Fluorophenol	1.241	1.167		-5.963	
Benzaldehyde	1.173	1.243		5.968	
Aniline	1.626	1.519		-6.581	
Phenol-d6	1.673	1.544		-7.711	
Phenol	1.667	1.535		-7.918	20.0
bis(2-Chloroethyl)ether	1.297	1.179		-9.098	
2-Chlorophenol	1.274	1.209		-5.102	
1,2-Dichlorobenzene	1.528	1.452		-4.974	
1,3-Dichlorobenzene	1.559	1.490		-4.426	
1,4-Dichlorobenzene	1.579	1.525		-3.42	20.0
Benzyl Alcohol	1.337	1.243		-7.031	
2-Methylphenol	1.123	1.050		-6.5	
2,2-oxybis(1-Chloropropane)	1.297	1.159		-10.64	
Acetophenone	0.570	0.524		-8.07	
3+4-Methylphenols	1.532	1.432		-6.527	
n-Nitroso-di-n-propylamine	1.143	1.032	0.050	-9.711	
Nitrobenzene-d5	0.462	0.433		-6.277	
Hexachloroethane	0.612	0.582		-4.902	
Nitrobenzene	0.465	0.436		-6.237	
Isophorone	0.804	0.772		-3.98	
2-Nitrophenol	0.177	0.187		5.65	20.0
2,4-Dimethylphenol	0.227	0.213		-6.167	
bis(2-Chloroethoxy)methane	0.455	0.423		-7.033	
2,4-Dichlorophenol	0.343	0.330		-3.79	20.0
1,2,4-Trichlorobenzene	0.420	0.415		-1.19	
Benzoic acid	0.221	0.240		8.597	
Naphthalene	1.097	1.039		-5.287	
4-Chloroaniline	0.406	0.387		-4.68	
Hexachlorobutadiene	0.311	0.318		2.251	20.0
Caprolactam	0.097	0.110		13.402	
4-Chloro-3-methylphenol	0.373	0.381		2.145	20.0
2-Methylnaphthalene	0.759	0.744		-1.976	
Hexachlorocyclopentadiene	0.348	0.276	0.050	-20.69	
2,4,6-Trichlorophenol	0.467	0.460		-1.499	20.0
2-Fluorobiphenyl	1.618	1.494		-7.664	
2,4,5-Trichlorophenol	0.513	0.516		0.585	
1,1-Biphenyl	1.596	1.447		-9.336	
2-Chloronaphthalene	1.310	1.196		-8.702	
2-Nitroaniline	0.366	0.372		1.639	



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Lab File ID: BP019799.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	1.531	1.544		0.849	
Acenaphthylene	1.838	1.746		-5.005	
2,6-Dinitrotoluene	0.336	0.360		7.143	
3-Nitroaniline	0.309	0.323		4.531	
Acenaphthene	1.141	1.087		-4.733	20.0
2,4-Dinitrophenol	0.175	0.206	0.050	17.714	
4-Nitrophenol	0.253	0.263	0.050	3.953	
Dibenzofuran	1.858	1.799		-3.175	
2,4-Dinitrotoluene	0.441	0.507		14.966	
Diethylphthalate	1.523	1.548		1.641	
4-Chlorophenyl-phenylether	0.832	0.848		1.923	
Fluorene	1.480	1.480		0.0	
4-Nitroaniline	0.324	0.343		5.864	
4,6-Dinitro-2-methylphenol	0.114	0.130		14.035	
n-Nitrosodiphenylamine	0.599	0.534		-10.851	20.0
Azobenzene	1.473	1.396		-5.227	
2,4,6-Tribromophenol	0.292	0.360		23.288	
4-Bromophenyl-phenylether	0.250	0.242		-3.2	
Hexachlorobenzene	0.292	0.285		-2.397	
Atrazine	0.199	0.189		-5.025	
Pentachlorophenol	0.182	0.199		9.341	20.0
Phenanthrene	1.053	0.998		-5.223	
Anthracene	1.050	0.994		-5.333	
Carbazole	0.954	0.943		-1.153	
Di-n-butylphthalate	1.153	1.124		-2.515	
Fluoranthene	1.286	1.343		4.432	20.0
Benzidine	0.418	0.319		-23.684	
Pyrene	1.412	1.349		-4.462	
Terphenyl-d14	1.216	1.215		-0.082	
Butylbenzylphthalate	0.527	0.507		-3.795	
3,3-Dichlorobenzidine	0.513	0.487		-5.068	
Benzo (a) anthracene	1.408	1.338		-4.972	
Chrysene	1.337	1.275		-4.637	
Bis (2-ethylhexyl) phthalate	0.803	0.722		-10.087	
Di-n-octyl phthalate	1.412	1.225		-13.244	20.0
Benzo (b) fluoranthene	1.261	1.243		-1.427	
Benzo (k) fluoranthene	1.204	1.142		-5.15	
Benzo (a) pyrene	1.122	1.060		-5.526	20.0
Indeno (1,2,3-cd) pyrene	1.531	1.385		-9.536	
Dibenzo (a,h) anthracene	1.259	1.149		-8.737	
Benzo (g,h,i) perylene	1.277	1.155		-9.554	



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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.771	0.727		-5.707	
1,4-Dioxane	0.478	0.431		-9.833	20.0
2,3,4,6-Tetrachlorophenol	0.431	0.489		13.457	
1-Methylnaphthalene	0.746	0.732		-1.877	

All other compounds must meet a minimum RRF of 0.010.

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:	PB159140BL	SDG No.:	BP022124
Lab Sample ID:	PB159140BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019800.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

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

Report of Analysis

Client:		Date Collected:	2/20/2024 12:00:00 AM
Project:		Date Received:	2/20/2024 12:00:00 AM
Client Sample ID:	PB159140BL	SDG No.:	BP022124
Lab Sample ID:	PB159140BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019800.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	210	U	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.1	U	77.1	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.9	U	87.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	91.3	U	91.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.6	U	84.6	130	170	ug/Kg
88-74-4	2-Nitroaniline	99.3	U	99.3	130	170	ug/Kg
131-11-3	Dimethylphthalate	88.9	U	88.9	130	170	ug/Kg
208-96-8	Acenaphthylene	88.4	U	88.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	90	U	90	130	170	ug/Kg
99-09-2	3-Nitroaniline	93.4	U	93.4	130	170	ug/Kg
83-32-9	Acenaphthene	80.3	U	80.3	130	170	ug/Kg
Total PAH	Total PAH	1438.1	U	1438.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	270	330	ug/Kg
132-64-9	Dibenzofuran	76.9	U	76.9	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.9	U	99.9	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.9	U	189.9	130	340	ug/Kg
84-66-2	Diethylphthalate	85.9	U	85.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.4	U	90.4	130	170	ug/Kg
86-73-7	Fluorene	84.8	U	84.8	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.8	U	87.8	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.3	U	93.3	130	170	ug/Kg
103-33-3	Azobenzene	73.5	U	73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.4	U	97.4	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.8	U	98.8	130	170	ug/Kg
1912-24-9	Atrazine	95.4	U	95.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	92.7	U	92.7	130	170	ug/Kg
120-12-7	Anthracene	100	U	100	130	170	ug/Kg
86-74-8	Carbazole	84.9	U	84.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	94.4	U	94.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	2/20/2024 12:00:00 AM
Project:		Date Received:	2/20/2024 12:00:00 AM
Client Sample ID:	PB159140BL	SDG No.:	BP022124
Lab Sample ID:	PB159140BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019800.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	270	330	ug/Kg
129-00-0	Pyrene	83.7	U	83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	83.9	U	83.9	130	170	ug/Kg
218-01-9	Chrysene	86.8	U	86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.3	U	80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.1	U	88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.3	U	94.3	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.5	U	96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.5	U	92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.4	U	89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.9	U	82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.2	U	90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	119.456		18-112		80	SPK: -150
13127-88-3	Phenol-d6	108.265		15-107		72	SPK: -150
4165-60-0	Nitrobenzene-d5	77.123		18-107		77	SPK: -100
321-60-8	2-Fluorobiphenyl	78.688		20-109		79	SPK: -100
118-79-6	2,4,6-Tribromophenol	152.742		10-110		102	SPK: -150
1718-51-0	Terphenyl-d14	84.929		14-112		85	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	65710	7.893				
1146-65-2	Naphthalene-d8	232877	10.693				
15067-26-2	Acenaphthene-d10	148319	14.534				
1517-22-2	Phenanthrene-d10	354037	17.292				
1719-03-5	Chrysene-d12	366543	21.38				
1520-96-3	Perylene-d12	434446	23.804				



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:	PB159140BL	SDG No.:	BP022124
Lab Sample ID:	PB159140BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019800.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	100	A			5.016	

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:	PB159140BS	SDG No.:	BP022124
Lab Sample ID:	PB159140BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019801.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		77.2	270	330	ug/Kg
110-86-1	Pyridine	1100		72.3	130	170	ug/Kg
100-52-7	Benzaldehyde	890		150	270	330	ug/Kg
62-53-3	Aniline	870		120	130	170	ug/Kg
108-95-2	Phenol	1400		74.3	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		89.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1500		71.9	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		81.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1400		88.4	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500		82.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1400		98.7	270	330	ug/Kg
95-48-7	2-Methylphenol	1300		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		100	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1300		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		58.9	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1400		73.5	130	170	ug/Kg
98-95-3	Nitrobenzene	1400		75.1	130	170	ug/Kg
78-59-1	Isophorone	1400		68	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		95	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		99.5	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		78	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		77.4	130	170	ug/Kg
65-85-0	Benzoic acid	1400		210	270	330	ug/Kg
91-20-3	Naphthalene	1400		81.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	360		100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		83.9	130	170	ug/Kg
105-60-2	Caprolactam	1400		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		82.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		94.8	130	170	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:	PB159140BS	SDG No.:	BP022124
Lab Sample ID:	PB159140BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019801.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	4400	E	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		77	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		87.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		91.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	1500		99.2	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		93.3	130	170	ug/Kg
83-32-9	Acenaphthene	1500		80.2	130	170	ug/Kg
Total PAH	Total PAH	25000		1436.7	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3300	E	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	2700	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		76.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3000		189.7	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		99.8	130	170	ug/Kg
84-66-2	Diethylphthalate	1400		85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		90.3	130	170	ug/Kg
86-73-7	Fluorene	1500		84.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	1300		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		87.7	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		93.2	130	170	ug/Kg
103-33-3	Azobenzene	1400		73.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		97.3	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		98.7	130	170	ug/Kg
1912-24-9	Atrazine	1700		95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	3200	E	110	270	330	ug/Kg
85-01-8	Phenanthrene	1600		92.6	130	170	ug/Kg
120-12-7	Anthracene	1600		100	130	170	ug/Kg
86-74-8	Carbazole	1400		84.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1400		100	130	170	ug/Kg
206-44-0	Fluoranthene	1500		94.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	2/20/2024 12:00:00 AM
Project:		Date Received:	2/20/2024 12:00:00 AM
Client Sample ID:	PB159140BS	SDG No.:	BP022124
Lab Sample ID:	PB159140BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019801.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1400		190	270	330	ug/Kg
129-00-0	Pyrene	1600		83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1500		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		83.8	130	170	ug/Kg
218-01-9	Chrysene	1500		86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400		110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		94.2	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	1200		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	129.447		18-112		86	SPK: -150
13127-88-3	Phenol-d6	116.87		15-107		78	SPK: -150
4165-60-0	Nitrobenzene-d5	85.16		18-107		85	SPK: -100
321-60-8	2-Fluorobiphenyl	89.151		20-109		89	SPK: -100
118-79-6	2,4,6-Tribromophenol	149.248		10-110		99	SPK: -150
1718-51-0	Terphenyl-d14	95.487		14-112		95	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	69824	7.893				
1146-65-2	Naphthalene-d8	242615	10.693				
15067-26-2	Acenaphthene-d10	140214	14.528				
1517-22-2	Phenanthrene-d10	285914	17.287				
1719-03-5	Chrysene-d12	245720	21.38				
1520-96-3	Perylene-d12	282208	23.798				



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:	PB159140BS	SDG No.:	BP022124
Lab Sample ID:	PB159140BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019801.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

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

Client:		Date Collected:	2/19/2024 12:00:00 AM
Project:		Date Received:	2/19/2024 12:00:00 AM
Client Sample ID:	PB159144BL	SDG No.:	BP022124
Lab Sample ID:	PB159144BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019802.D	1	2/19/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159144

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

Report of Analysis

Client:		Date Collected:	2/19/2024 12:00:00 AM
Project:		Date Received:	2/19/2024 12:00:00 AM
Client Sample ID:	PB159144BL	SDG No.:	BP022124
Lab Sample ID:	PB159144BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019802.D	1	2/19/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159144

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

Report of Analysis

Client:		Date Collected:	2/19/2024 12:00:00 AM
Project:		Date Received:	2/19/2024 12:00:00 AM
Client Sample ID:	PB159144BL	SDG No.:	BP022124
Lab Sample ID:	PB159144BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019802.D	1	2/19/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159144

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.6	U	6.6	8	10	ug/L
129-00-0	Pyrene	1.9	U	1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.8	U	2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	5.4	U	5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4	5	ug/L
218-01-9	Chrysene	1.6	U	1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.9	U	2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	3.1	U	3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	2.7	U	2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	U	2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.9	U	1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4	5	ug/L
123-91-1	1,4-Dioxane	2.4	U	2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	2.1	U	2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	119.706		10-139		80	SPK: -150
13127-88-3	Phenol-d6	108.463		10-134		72	SPK: -150
4165-60-0	Nitrobenzene-d5	78.375		49-133		78	SPK: -100
321-60-8	2-Fluorobiphenyl	80.532		52-132		81	SPK: -100
118-79-6	2,4,6-Tribromophenol	156.076		32-145		104	SPK: -150
1718-51-0	Terphenyl-d14	82.234		36-145		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	71307	7.893				
1146-65-2	Naphthalene-d8	251918	10.693				
15067-26-2	Acenaphthene-d10	159565	14.528				
1517-22-2	Phenanthrene-d10	388730	17.286				
1719-03-5	Chrysene-d12	432120	21.38				
1520-96-3	Perylene-d12	497111	23.798				



Report of Analysis

Client:		Date Collected:	2/19/2024 12:00:00 AM
Project:		Date Received:	2/19/2024 12:00:00 AM
Client Sample ID:	PB159144BL	SDG No.:	BP022124
Lab Sample ID:	PB159144BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019802.D	1	2/19/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159144

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.8	A			5.016	

Report of Analysis

Client:		Date Collected:	2/19/2024 12:00:00 AM
Project:		Date Received:	2/19/2024 12:00:00 AM
Client Sample ID:	PB159144BS	SDG No.:	BP022124
Lab Sample ID:	PB159144BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019803.D	1	2/19/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159144

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	40.9		2	8	10	ug/L
110-86-1	Pyridine	32.3		1.8	4	5	ug/L
100-52-7	Benzaldehyde	25		3.3	8	10	ug/L
62-53-3	Aniline	24.5		2.4	4	5	ug/L
108-95-2	Phenol	43.3		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	41		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	44.3		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	40.9		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	40.9		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	41.5		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	43.2		2.4	8	10	ug/L
95-48-7	2-Methylphenol	43.2		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	40.6		2.3	4	5	ug/L
98-86-2	Acetophenone	40.9		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	42.5		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	39.9		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	40.1		1.6	4	5	ug/L
98-95-3	Nitrobenzene	39.9		1.7	4	5	ug/L
78-59-1	Isophorone	41.2		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	46.4		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	50.8		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.5		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	45.9		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	42.3		1.7	4	5	ug/L
65-85-0	Benzoic acid	49.7		6.7	8	10	ug/L
91-20-3	Naphthalene	41.2		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	14		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	41.9		1.9	4	5	ug/L
105-60-2	Caprolactam	50.3		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	46.5		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	42.4		2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	2/19/2024 12:00:00 AM
Project:		Date Received:	2/19/2024 12:00:00 AM
Client Sample ID:	PB159144BS	SDG No.:	BP022124
Lab Sample ID:	PB159144BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019803.D	1	2/19/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159144

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	110	E	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	45.1		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	45.7		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	40.4		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	39.5		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	44.9		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	44.8		1.9	4	5	ug/L
208-96-8	Acenaphthylene	45.7		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	45.1		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	31.4		2.4	4	5	ug/L
83-32-9	Acenaphthene	41.2		1.7	4	5	ug/L
Total PAH	Total PAH	702		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	120	E	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	99.3	E	2.8	8	10	ug/L
132-64-9	Dibenzofuran	43.6		1.6	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	50.1		2.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	95.2		4.6	4	10	ug/L
84-66-2	Diethylphthalate	45.3		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	45.3		2.2	4	5	ug/L
86-73-7	Fluorene	44.9		2	4	5	ug/L
100-01-6	4-Nitroaniline	46.6		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	51.5		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	40.9		2	4	5	ug/L
103-33-3	Azobenzene	43.1		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	42.8		2	4	5	ug/L
118-74-1	Hexachlorobenzene	42.5		1.9	4	5	ug/L
1912-24-9	Atrazine	48.3		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	96.8	E	2.6	8	10	ug/L
85-01-8	Phenanthrene	43.3		2	4	5	ug/L
120-12-7	Anthracene	43.9		2.3	4	5	ug/L
86-74-8	Carbazole	44.4		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	43.8		2.4	4	5	ug/L
206-44-0	Fluoranthene	46.2		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	2/19/2024 12:00:00 AM
Project:		Date Received:	2/19/2024 12:00:00 AM
Client Sample ID:	PB159144BS	SDG No.:	BP022124
Lab Sample ID:	PB159144BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019803.D	1	2/19/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159144

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	44.8		6.6	8	10	ug/L
129-00-0	Pyrene	42.2		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	43.1		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	37.4		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	43.9		1.5	4	5	ug/L
218-01-9	Chrysene	43.2		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	40.3		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	39		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	45.5		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	45.3		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	45.8		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	44.2		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	44.2		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	41.3		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	42.8		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	32.5		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	52.3		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	41.3		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	126.567		10-139		84	SPK: -150
13127-88-3	Phenol-d6	120.982		10-134		81	SPK: -150
4165-60-0	Nitrobenzene-d5	79.649		49-133		80	SPK: -100
321-60-8	2-Fluorobiphenyl	78.354		52-132		78	SPK: -100
118-79-6	2,4,6-Tribromophenol	160.562		32-145		107	SPK: -150
1718-51-0	Terphenyl-d14	85.729		36-145		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	66859	7.893				
1146-65-2	Naphthalene-d8	249078	10.693				
15067-26-2	Acenaphthene-d10	171562	14.528				
1517-22-2	Phenanthrene-d10	412244	17.286				
1719-03-5	Chrysene-d12	426655	21.38				
1520-96-3	Perylene-d12	461962	23.792				

Report of Analysis

Client:		Date Collected:	2/19/2024 12:00:00 AM
Project:		Date Received:	2/19/2024 12:00:00 AM
Client Sample ID:	PB159144BS	SDG No.:	BP022124
Lab Sample ID:	PB159144BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019803.D	1	2/19/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159144

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

Client:		Date Collected:	2/19/2024 12:00:00 AM
Project:		Date Received:	2/19/2024 12:00:00 AM
Client Sample ID:	PB159105TB	SDG No.:	BP022124
Lab Sample ID:	PB159105TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019804.D	1	2/19/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159144

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	20.2	U	20.2	80	100	ug/L
110-86-1	Pyridine	17.8	U	17.8	40	50	ug/L
100-52-7	Benzaldehyde	32.8	U	32.8	80	100	ug/L
62-53-3	Aniline	24.2	U	24.2	40	50	ug/L
108-95-2	Phenol	14.8	U	14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	16.5	U	16.5	40	50	ug/L
95-57-8	2-Chlorophenol	13.5	U	13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	12.5	U	12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	17.4	U	17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	14.3	U	14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	23.8	U	23.8	80	100	ug/L
95-48-7	2-Methylphenol	20.6	U	20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	22.6	U	22.6	40	50	ug/L
98-86-2	Acetophenone	17.9	U	17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	21.6	U	21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	19.8	U	19.8	25	25	ug/L
67-72-1	Hexachloroethane	16.4	U	16.4	40	50	ug/L
98-95-3	Nitrobenzene	17.2	U	17.2	40	50	ug/L
78-59-1	Isophorone	17.1	U	17.1	40	50	ug/L
88-75-5	2-Nitrophenol	23.8	U	23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	29.6	U	29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	20.4	U	20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	16.9	U	16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	17	U	17	40	50	ug/L
65-85-0	Benzoic acid	66.5	U	66.5	80	100	ug/L
91-20-3	Naphthalene	16.9	U	16.9	40	50	ug/L
106-47-8	4-Chloroaniline	25.4	U	25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	19.3	U	19.3	40	50	ug/L
105-60-2	Caprolactam	34.3	U	34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	17.5	U	17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	22.3	U	22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	2/19/2024 12:00:00 AM
Project:		Date Received:	2/19/2024 12:00:00 AM
Client Sample ID:	PB159105TB	SDG No.:	BP022124
Lab Sample ID:	PB159105TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019804.D	1	2/19/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159144

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	57.4	U	57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	15.2	U	15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	15.7	U	15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	17.9	U	17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	15.9	U	15.9	40	50	ug/L
88-74-4	2-Nitroaniline	23.7	U	23.7	40	50	ug/L
131-11-3	Dimethylphthalate	18.8	U	18.8	40	50	ug/L
208-96-8	Acenaphthylene	21.4	U	21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	21	U	21	40	50	ug/L
99-09-2	3-Nitroaniline	23.6	U	23.6	40	50	ug/L
83-32-9	Acenaphthene	17.2	U	17.2	40	50	ug/L
Total PAH	Total PAH	309	U	309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	54.5	U	54.5	80	100	ug/L
100-02-7	4-Nitrophenol	28	U	28	80	100	ug/L
132-64-9	Dibenzofuran	15.8	U	15.8	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	46.4	U	46.4	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	25.4	U	25.4	40	50	ug/L
84-66-2	Diethylphthalate	20.5	U	20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	22.2	U	22.2	40	50	ug/L
86-73-7	Fluorene	20.4	U	20.4	40	50	ug/L
100-01-6	4-Nitroaniline	23.4	U	23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	19.5	U	19.5	40	50	ug/L
103-33-3	Azobenzene	16.4	U	16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	19.5	U	19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	19.1	U	19.1	40	50	ug/L
1912-24-9	Atrazine	35	U	35	40	50	ug/L
87-86-5	Pentachlorophenol	25.5	U	25.5	80	100	ug/L
85-01-8	Phenanthrene	20	U	20	40	50	ug/L
120-12-7	Anthracene	22.8	U	22.8	40	50	ug/L
86-74-8	Carbazole	17	U	17	40	50	ug/L
84-74-2	Di-n-butylphthalate	24	U	24	40	50	ug/L
206-44-0	Fluoranthene	20.5	U	20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	2/19/2024 12:00:00 AM
Project:		Date Received:	2/19/2024 12:00:00 AM
Client Sample ID:	PB159105TB	SDG No.:	BP022124
Lab Sample ID:	PB159105TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019804.D	1	2/19/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159144

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	133.08		10-139		89	SPK: -150
13127-88-3	Phenol-d6	120.897		10-134		81	SPK: -150
4165-60-0	Nitrobenzene-d5	83.962		49-133		84	SPK: -100
321-60-8	2-Fluorobiphenyl	84.763		52-132		85	SPK: -100
118-79-6	2,4,6-Tribromophenol	142.074		32-145		95	SPK: -150
1718-51-0	Terphenyl-d14	99.234		36-145		99	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	66761	7.893				
1146-65-2	Naphthalene-d8	242516	10.693				
15067-26-2	Acenaphthene-d10	153271	14.528				
1517-22-2	Phenanthrene-d10	311350	17.287				
1719-03-5	Chrysene-d12	248026	21.386				
1520-96-3	Perylene-d12	277496	23.804				



Report of Analysis

Client:		Date Collected:	2/19/2024 12:00:00 AM
Project:		Date Received:	2/19/2024 12:00:00 AM
Client Sample ID:	PB159105TB	SDG No.:	BP022124
Lab Sample ID:	PB159105TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019804.D	1	2/19/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159144

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

Client:		Date Collected:	2/19/2024 12:00:00 AM
Project:		Date Received:	2/19/2024 12:00:00 AM
Client Sample ID:	PB159106TB	SDG No.:	BP022124
Lab Sample ID:	PB159106TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019805.D	1	2/19/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159144

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	20.2	U	20.2	80	100	ug/L
110-86-1	Pyridine	17.8	U	17.8	40	50	ug/L
100-52-7	Benzaldehyde	32.8	U	32.8	80	100	ug/L
62-53-3	Aniline	24.2	U	24.2	40	50	ug/L
108-95-2	Phenol	14.8	U	14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	16.5	U	16.5	40	50	ug/L
95-57-8	2-Chlorophenol	13.5	U	13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	12.5	U	12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	17.4	U	17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	14.3	U	14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	23.8	U	23.8	80	100	ug/L
95-48-7	2-Methylphenol	20.6	U	20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	22.6	U	22.6	40	50	ug/L
98-86-2	Acetophenone	17.9	U	17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	21.6	U	21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	19.8	U	19.8	25	25	ug/L
67-72-1	Hexachloroethane	16.4	U	16.4	40	50	ug/L
98-95-3	Nitrobenzene	17.2	U	17.2	40	50	ug/L
78-59-1	Isophorone	17.1	U	17.1	40	50	ug/L
88-75-5	2-Nitrophenol	23.8	U	23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	29.6	U	29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	20.4	U	20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	16.9	U	16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	17	U	17	40	50	ug/L
65-85-0	Benzoic acid	66.5	U	66.5	80	100	ug/L
91-20-3	Naphthalene	16.9	U	16.9	40	50	ug/L
106-47-8	4-Chloroaniline	25.4	U	25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	19.3	U	19.3	40	50	ug/L
105-60-2	Caprolactam	34.3	U	34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	17.5	U	17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	22.3	U	22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	2/19/2024 12:00:00 AM
Project:		Date Received:	2/19/2024 12:00:00 AM
Client Sample ID:	PB159106TB	SDG No.:	BP022124
Lab Sample ID:	PB159106TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019805.D	1	2/19/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159144

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	57.4	U	57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	15.2	U	15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	15.7	U	15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	17.9	U	17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	15.9	U	15.9	40	50	ug/L
88-74-4	2-Nitroaniline	23.7	U	23.7	40	50	ug/L
131-11-3	Dimethylphthalate	18.8	U	18.8	40	50	ug/L
208-96-8	Acenaphthylene	21.4	U	21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	21	U	21	40	50	ug/L
99-09-2	3-Nitroaniline	23.6	U	23.6	40	50	ug/L
83-32-9	Acenaphthene	17.2	U	17.2	40	50	ug/L
Total PAH	Total PAH	309	U	309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	54.5	U	54.5	80	100	ug/L
100-02-7	4-Nitrophenol	28	U	28	80	100	ug/L
132-64-9	Dibenzofuran	15.8	U	15.8	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	46.4	U	46.4	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	25.4	U	25.4	40	50	ug/L
84-66-2	Diethylphthalate	20.5	U	20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	22.2	U	22.2	40	50	ug/L
86-73-7	Fluorene	20.4	U	20.4	40	50	ug/L
100-01-6	4-Nitroaniline	23.4	U	23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	19.5	U	19.5	40	50	ug/L
103-33-3	Azobenzene	16.4	U	16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	19.5	U	19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	19.1	U	19.1	40	50	ug/L
1912-24-9	Atrazine	35	U	35	40	50	ug/L
87-86-5	Pentachlorophenol	25.5	U	25.5	80	100	ug/L
85-01-8	Phenanthrene	20	U	20	40	50	ug/L
120-12-7	Anthracene	22.8	U	22.8	40	50	ug/L
86-74-8	Carbazole	17	U	17	40	50	ug/L
84-74-2	Di-n-butylphthalate	24	U	24	40	50	ug/L
206-44-0	Fluoranthene	20.5	U	20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	2/19/2024 12:00:00 AM
Project:		Date Received:	2/19/2024 12:00:00 AM
Client Sample ID:	PB159106TB	SDG No.:	BP022124
Lab Sample ID:	PB159106TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019805.D	1	2/19/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159144

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	128.095		10-139		85	SPK: -150
13127-88-3	Phenol-d6	114.884		10-134		77	SPK: -150
4165-60-0	Nitrobenzene-d5	83.411		49-133		83	SPK: -100
321-60-8	2-Fluorobiphenyl	82.79		52-132		83	SPK: -100
118-79-6	2,4,6-Tribromophenol	151.673		32-145		101	SPK: -150
1718-51-0	Terphenyl-d14	88.107		36-145		88	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	69583	7.893				
1146-65-2	Naphthalene-d8	244819	10.693				
15067-26-2	Acenaphthene-d10	158445	14.528				
1517-22-2	Phenanthrene-d10	344397	17.287				
1719-03-5	Chrysene-d12	371428	21.38				
1520-96-3	Perylene-d12	448305	23.798				



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

Report of Analysis

Client:		Date Collected:	2/19/2024 12:00:00 AM
Project:		Date Received:	2/19/2024 12:00:00 AM
Client Sample ID:	PB159106TB	SDG No.:	BP022124
Lab Sample ID:	PB159106TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
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
BP019805.D	1	2/19/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159144

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

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240763-COMPOSITE-39N-N-3-01	SDG No.:	BP022124
Lab Sample ID:	P1523-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	64.2
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
BP019806.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	220	U	220	750	920	ug/Kg
110-86-1	Pyridine	200	U	200	360	470	ug/Kg
100-52-7	Benzaldehyde	410	U	410	750	920	ug/Kg
62-53-3	Aniline	330	U	330	360	470	ug/Kg
108-95-2	Phenol	210	U	210	360	470	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	250	U	250	360	470	ug/Kg
95-57-8	2-Chlorophenol	200	U	200	360	470	ug/Kg
95-50-1	1,2-Dichlorobenzene	230	U	230	360	470	ug/Kg
541-73-1	1,3-Dichlorobenzene	250	U	250	360	470	ug/Kg
106-46-7	1,4-Dichlorobenzene	230	U	230	360	470	ug/Kg
100-51-6	Benzyl Alcohol	280	U	280	750	920	ug/Kg
95-48-7	2-Methylphenol	320	U	320	360	470	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	290	U	290	360	470	ug/Kg
98-86-2	Acetophenone	240	U	240	360	470	ug/Kg
65794-96-9	3+4-Methylphenols	300	U	300	750	920	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	160	220	220	ug/Kg
67-72-1	Hexachloroethane	210	U	210	360	470	ug/Kg
98-95-3	Nitrobenzene	210	U	210	360	470	ug/Kg
78-59-1	Isophorone	190	U	190	360	470	ug/Kg
88-75-5	2-Nitrophenol	270	U	270	360	470	ug/Kg
105-67-9	2,4-Dimethylphenol	280	U	280	360	470	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	310	U	310	360	470	ug/Kg
120-83-2	2,4-Dichlorophenol	220	U	220	360	470	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	220	U	220	360	470	ug/Kg
65-85-0	Benzoic acid	600	U	600	750	920	ug/Kg
91-20-3	Naphthalene	230	U	230	360	470	ug/Kg
106-47-8	4-Chloroaniline	290	U	290	360	470	ug/Kg
87-68-3	Hexachlorobutadiene	230	U	230	360	470	ug/Kg
105-60-2	Caprolactam	330	U	330	750	920	ug/Kg
59-50-7	4-Chloro-3-methylphenol	230	U	230	360	470	ug/Kg
91-57-6	2-Methylnaphthalene	260	U	260	360	470	ug/Kg

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240763-COMPOSITE-39N-N-3-01	SDG No.:	BP022124
Lab Sample ID:	P1523-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	64.2
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
BP019806.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	590	U	590	750	920	ug/Kg
88-06-2	2,4,6-Trichlorophenol	220	U	220	360	470	ug/Kg
95-95-4	2,4,5-Trichlorophenol	250	U	250	360	470	ug/Kg
92-52-4	1,1-Biphenyl	250	U	250	360	470	ug/Kg
91-58-7	2-Chloronaphthalene	240	U	240	360	470	ug/Kg
88-74-4	2-Nitroaniline	280	U	280	360	470	ug/Kg
131-11-3	Dimethylphthalate	250	U	250	360	470	ug/Kg
208-96-8	Acenaphthylene	250	U	250	360	470	ug/Kg
606-20-2	2,6-Dinitrotoluene	250	U	250	360	470	ug/Kg
99-09-2	3-Nitroaniline	260	U	260	360	470	ug/Kg
83-32-9	Acenaphthene	220	U	220	360	470	ug/Kg
Total PAH	Total PAH	4000	U	4000	360	7520	ug/Kg
51-28-5	2,4-Dinitrophenol	500	U	500	750	920	ug/Kg
100-02-7	4-Nitrophenol	320	U	320	750	920	ug/Kg
132-64-9	Dibenzofuran	210	U	210	360	470	ug/Kg
121-14-2	2,4-Dinitrotoluene	280	U	280	360	470	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	530	U	530	360	940	ug/Kg
84-66-2	Diethylphthalate	240	U	240	360	470	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	250	U	250	360	470	ug/Kg
86-73-7	Fluorene	240	U	240	360	470	ug/Kg
100-01-6	4-Nitroaniline	290	U	290	360	470	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	250	U	250	750	920	ug/Kg
86-30-6	n-Nitrosodiphenylamine	260	U	260	360	470	ug/Kg
103-33-3	Azobenzene	210	U	210	360	470	ug/Kg
101-55-3	4-Bromophenyl-phenylether	270	U	270	360	470	ug/Kg
118-74-1	Hexachlorobenzene	280	U	280	360	470	ug/Kg
1912-24-9	Atrazine	270	U	270	360	470	ug/Kg
87-86-5	Pentachlorophenol	310	U	310	750	920	ug/Kg
85-01-8	Phenanthrene	260	U	260	360	470	ug/Kg
120-12-7	Anthracene	280	U	280	360	470	ug/Kg
86-74-8	Carbazole	240	U	240	360	470	ug/Kg
84-74-2	Di-n-butylphthalate	290	U	290	360	470	ug/Kg
206-44-0	Fluoranthene	260	U	260	360	470	ug/Kg

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240763-COMPOSITE-39N-N-3-01	SDG No.:	BP022124
Lab Sample ID:	P1523-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	64.2
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
BP019806.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	540	U	540	750	920	ug/Kg
129-00-0	Pyrene	230	U	230	360	470	ug/Kg
85-68-7	Butylbenzylphthalate	290	U	290	360	470	ug/Kg
91-94-1	3,3-Dichlorobenzidine	450	U	450	750	920	ug/Kg
56-55-3	Benzo(a)anthracene	230	U	230	360	470	ug/Kg
218-01-9	Chrysene	240	U	240	360	470	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	320	U	320	360	470	ug/Kg
117-84-0	Di-n-octyl phthalate	340	U	340	750	920	ug/Kg
205-99-2	Benzo(b)fluoranthene	220	U	220	360	470	ug/Kg
207-08-9	Benzo(k)fluoranthene	250	U	250	360	470	ug/Kg
50-32-8	Benzo(a)pyrene	260	U	260	360	470	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	300	U	300	360	470	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	270	U	270	360	470	ug/Kg
191-24-2	Benzo(g,h,i)perylene	260	U	260	360	470	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	250	360	470	ug/Kg
123-91-1	1,4-Dioxane	330	U	330	360	470	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	230	U	230	360	470	ug/Kg
90-12-0	1-Methylnaphthalene	250	U	250	470	470	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	86.858		18-112		58	SPK: -150
13127-88-3	Phenol-d6	82.337		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	57.226		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	45.768		20-109		46	SPK: -100
118-79-6	2,4,6-Tribromophenol	105.253		10-110		70	SPK: -150
1718-51-0	Terphenyl-d14	41.55		14-112		42	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	65695	7.893				
1146-65-2	Naphthalene-d8	234086	10.693				
15067-26-2	Acenaphthene-d10	160572	14.528				
1517-22-2	Phenanthrene-d10	371095	17.286				
1719-03-5	Chrysene-d12	453348	21.38				
1520-96-3	Perylene-d12	531065	23.792				

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240763-COMPOSITE-39N-N-3-01	SDG No.:	BP022124
Lab Sample ID:	P1523-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	64.2
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
BP019806.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
001569-50-2	3-Penten-2-ol	12200	J			3.128	
000556-82-1	Prenol	1200	J			4.069	
000108-11-2	2-Pentanol, 4-methyl-	1700	J			4.64	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1900	A			5.016	
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	760	J			13.428	
000057-11-4	Octadecanoic acid	45100	J			16.416	
032811-40-8	(E)-4-(3-Hydroxyprop-1-en-1-yl)-2-	590	J			16.686	
000057-10-3	n-Hexadecanoic acid	5100	J			18.192	
087345-53-7	3,5-Dimethoxy-4-hydroxycinnamaldehy	1900	J			18.457	
020675-96-1	trans-Sinapyl alcohol	2200	J			18.498	
001002-84-2	Pentadecanoic acid	2500	J			19.422	
1000377-93-5	Phthalic acid, di(2-propylpentyl)	540	J			20.204	
010192-32-2	1-Tetracosene	330	J			21.098	
007683-64-9	Supraene	590	J			21.933	

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240764-COMPOSITE-39N-N-3-02	SDG No.:	BP022124
Lab Sample ID:	P1523-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	66
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
BP019807.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	230	U	230	790	970	ug/Kg
110-86-1	Pyridine	210	U	210	380	500	ug/Kg
100-52-7	Benzaldehyde	430	U	430	790	970	ug/Kg
62-53-3	Aniline	340	U	340	380	500	ug/Kg
108-95-2	Phenol	220	U	220	380	500	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	260	U	260	380	500	ug/Kg
95-57-8	2-Chlorophenol	210	U	210	380	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	240	U	240	380	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	260	U	260	380	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	240	U	240	380	500	ug/Kg
100-51-6	Benzyl Alcohol	290	U	290	790	970	ug/Kg
95-48-7	2-Methylphenol	330	U	330	380	500	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	310	U	310	380	500	ug/Kg
98-86-2	Acetophenone	250	U	250	380	500	ug/Kg
65794-96-9	3+4-Methylphenols	320	U	320	790	970	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	230	230	ug/Kg
67-72-1	Hexachloroethane	220	U	220	380	500	ug/Kg
98-95-3	Nitrobenzene	220	U	220	380	500	ug/Kg
78-59-1	Isophorone	200	U	200	380	500	ug/Kg
88-75-5	2-Nitrophenol	280	U	280	380	500	ug/Kg
105-67-9	2,4-Dimethylphenol	290	U	290	380	500	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	330	U	330	380	500	ug/Kg
120-83-2	2,4-Dichlorophenol	230	U	230	380	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	230	U	230	380	500	ug/Kg
65-85-0	Benzoic acid	630	U	630	790	970	ug/Kg
91-20-3	Naphthalene	240	U	240	380	500	ug/Kg
106-47-8	4-Chloroaniline	310	U	310	380	500	ug/Kg
87-68-3	Hexachlorobutadiene	250	U	250	380	500	ug/Kg
105-60-2	Caprolactam	340	U	340	790	970	ug/Kg
59-50-7	4-Chloro-3-methylphenol	240	U	240	380	500	ug/Kg
91-57-6	2-Methylnaphthalene	280	U	280	380	500	ug/Kg

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240764-COMPOSITE-39N-N-3-02	SDG No.:	BP022124
Lab Sample ID:	P1523-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	66
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
BP019807.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	620	U	620	790	970	ug/Kg
88-06-2	2,4,6-Trichlorophenol	230	U	230	380	500	ug/Kg
95-95-4	2,4,5-Trichlorophenol	260	U	260	380	500	ug/Kg
92-52-4	1,1-Biphenyl	270	U	270	380	500	ug/Kg
91-58-7	2-Chloronaphthalene	250	U	250	380	500	ug/Kg
88-74-4	2-Nitroaniline	290	U	290	380	500	ug/Kg
131-11-3	Dimethylphthalate	260	U	260	380	500	ug/Kg
208-96-8	Acenaphthylene	260	U	260	380	500	ug/Kg
606-20-2	2,6-Dinitrotoluene	260	U	260	380	500	ug/Kg
99-09-2	3-Nitroaniline	270	U	270	380	500	ug/Kg
83-32-9	Acenaphthene	240	U	240	380	500	ug/Kg
Total PAH	Total PAH	4230	U	4230	380	8000	ug/Kg
51-28-5	2,4-Dinitrophenol	530	U	530	790	970	ug/Kg
100-02-7	4-Nitrophenol	330	U	330	790	970	ug/Kg
132-64-9	Dibenzofuran	230	U	230	380	500	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	550	U	550	380	1000	ug/Kg
121-14-2	2,4-Dinitrotoluene	290	U	290	380	500	ug/Kg
84-66-2	Diethylphthalate	250	U	250	380	500	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	270	U	270	380	500	ug/Kg
86-73-7	Fluorene	250	U	250	380	500	ug/Kg
100-01-6	4-Nitroaniline	310	U	310	380	500	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	260	U	260	790	970	ug/Kg
86-30-6	n-Nitrosodiphenylamine	270	U	270	380	500	ug/Kg
103-33-3	Azobenzene	220	U	220	380	500	ug/Kg
101-55-3	4-Bromophenyl-phenylether	290	U	290	380	500	ug/Kg
118-74-1	Hexachlorobenzene	290	U	290	380	500	ug/Kg
1912-24-9	Atrazine	280	U	280	380	500	ug/Kg
87-86-5	Pentachlorophenol	330	U	330	790	970	ug/Kg
85-01-8	Phenanthrene	270	U	270	380	500	ug/Kg
120-12-7	Anthracene	300	U	300	380	500	ug/Kg
86-74-8	Carbazole	250	U	250	380	500	ug/Kg
84-74-2	Di-n-butylphthalate	310	U	310	380	500	ug/Kg
206-44-0	Fluoranthene	280	U	280	380	500	ug/Kg

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240764-COMPOSITE-39N-N-3-02	SDG No.:	BP022124
Lab Sample ID:	P1523-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	66
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
BP019807.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	570	U	570	790	970	ug/Kg
129-00-0	Pyrene	250	U	250	380	500	ug/Kg
85-68-7	Butylbenzylphthalate	300	U	300	380	500	ug/Kg
91-94-1	3,3-Dichlorobenzidine	470	U	470	790	970	ug/Kg
56-55-3	Benzo(a)anthracene	250	U	250	380	500	ug/Kg
218-01-9	Chrysene	250	U	250	380	500	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	340	U	340	380	500	ug/Kg
117-84-0	Di-n-octyl phthalate	360	U	360	790	970	ug/Kg
205-99-2	Benzo(b)fluoranthene	240	U	240	380	500	ug/Kg
207-08-9	Benzo(k)fluoranthene	260	U	260	380	500	ug/Kg
50-32-8	Benzo(a)pyrene	280	U	280	380	500	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	310	U	310	380	500	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	280	U	280	380	500	ug/Kg
191-24-2	Benzo(g,h,i)perylene	270	U	270	380	500	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	260	U	260	380	500	ug/Kg
123-91-1	1,4-Dioxane	340	U	340	380	500	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	240	U	240	380	500	ug/Kg
90-12-0	1-Methylnaphthalene	260	U	260	500	500	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.64		18-112		54	SPK: -150
13127-88-3	Phenol-d6	80.458		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	55.895		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	40.364		20-109		40	SPK: -100
118-79-6	2,4,6-Tribromophenol	95.138		10-110		63	SPK: -150
1718-51-0	Terphenyl-d14	33.95		14-112		34	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	43907	7.893				
1146-65-2	Naphthalene-d8	158723	10.693				
15067-26-2	Acenaphthene-d10	117070	14.528				
1517-22-2	Phenanthrene-d10	282182	17.286				
1719-03-5	Chrysene-d12	320871	21.374				
1520-96-3	Perylene-d12	340783	23.792				

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240764-COMPOSITE-39N-N-3-02	SDG No.:	BP022124
Lab Sample ID:	P1523-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	66
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
BP019807.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
001569-50-2	3-Penten-2-ol	10900	J			3.122	
000107-86-8	2-Butenal, 3-methyl-	300	J			3.746	
000556-82-1	Prenol	1100	J			4.064	
034314-83-5	Furan, 2,3-dihydro-4-methyl-	310	J			4.24	
003404-73-7	1-Pentene, 3,3-dimethyl-	400	J			4.299	
	unknown4.452	380	J			4.452	
000108-11-2	2-Pentanol, 4-methyl-	1600	J			4.634	
000594-61-6	Propanoic acid, 2-hydroxy-2-methyl	1100	J			4.687	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1300	A			5.011	
	unknown5.787	320	J			5.787	
	unknown 6.093	330	J			6.093	
001191-16-8	2-Buten-1-ol, 3-methyl-, acetate	340	J			6.205	
1000197-90-8	1-Benzazirene-1-carboxylic acid, 2	1200	J			6.752	
033342-87-9	2-Hydroxypropiophenone, TMS deriv	750	J			7.287	
000627-48-5	Cyanic acid, ethyl ester	380	J			7.593	
	unknown8.863	380	J			8.863	
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	3500	J			13.434	
	unknown14.751	1000	J			14.751	
000057-10-3	n-Hexadecanoic acid	1900	J			18.18	
000057-11-4	Octadecanoic acid	730	J			19.416	

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240765-COMPOSITE-39N-N-3-03	SDG No.:	BP022124
Lab Sample ID:	P1523-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	68.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019808.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	240	U	240	850	1000	ug/Kg
110-86-1	Pyridine	230	U	230	410	530	ug/Kg
100-52-7	Benzaldehyde	470	U	470	850	1000	ug/Kg
62-53-3	Aniline	370	U	370	410	530	ug/Kg
108-95-2	Phenol	230	U	230	410	530	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	280	U	280	410	530	ug/Kg
95-57-8	2-Chlorophenol	230	U	230	410	530	ug/Kg
95-50-1	1,2-Dichlorobenzene	260	U	260	410	530	ug/Kg
541-73-1	1,3-Dichlorobenzene	280	U	280	410	530	ug/Kg
106-46-7	1,4-Dichlorobenzene	260	U	260	410	530	ug/Kg
100-51-6	Benzyl Alcohol	310	U	310	850	1000	ug/Kg
95-48-7	2-Methylphenol	360	U	360	410	530	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	330	U	330	410	530	ug/Kg
98-86-2	Acetophenone	270	U	270	410	530	ug/Kg
65794-96-9	3+4-Methylphenols	340	U	340	850	1000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	190	U	190	250	250	ug/Kg
67-72-1	Hexachloroethane	230	U	230	410	530	ug/Kg
98-95-3	Nitrobenzene	240	U	240	410	530	ug/Kg
78-59-1	Isophorone	210	U	210	410	530	ug/Kg
88-75-5	2-Nitrophenol	300	U	300	410	530	ug/Kg
105-67-9	2,4-Dimethylphenol	310	U	310	410	530	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	350	U	350	410	530	ug/Kg
120-83-2	2,4-Dichlorophenol	250	U	250	410	530	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	240	U	240	410	530	ug/Kg
65-85-0	Benzoic acid	670	U	670	850	1000	ug/Kg
91-20-3	Naphthalene	260	U	260	410	530	ug/Kg
106-47-8	4-Chloroaniline	330	U	330	410	530	ug/Kg
87-68-3	Hexachlorobutadiene	260	U	260	410	530	ug/Kg
105-60-2	Caprolactam	370	U	370	850	1000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	260	U	260	410	530	ug/Kg
91-57-6	2-Methylnaphthalene	300	U	300	410	530	ug/Kg

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240765-COMPOSITE-39N-N-3-03	SDG No.:	BP022124
Lab Sample ID:	P1523-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	68.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019808.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	660	U	660	850	1000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	240	U	240	410	530	ug/Kg
95-95-4	2,4,5-Trichlorophenol	280	U	280	410	530	ug/Kg
92-52-4	1,1-Biphenyl	290	U	290	410	530	ug/Kg
91-58-7	2-Chloronaphthalene	270	U	270	410	530	ug/Kg
88-74-4	2-Nitroaniline	310	U	310	410	530	ug/Kg
131-11-3	Dimethylphthalate	280	U	280	410	530	ug/Kg
208-96-8	Acenaphthylene	280	U	280	410	530	ug/Kg
606-20-2	2,6-Dinitrotoluene	280	U	280	410	530	ug/Kg
99-09-2	3-Nitroaniline	290	U	290	410	530	ug/Kg
83-32-9	Acenaphthene	250	U	250	410	530	ug/Kg
Total PAH	Total PAH	4520	U	4520	410	8480	ug/Kg
51-28-5	2,4-Dinitrophenol	570	U	570	850	1000	ug/Kg
100-02-7	4-Nitrophenol	360	U	360	850	1000	ug/Kg
132-64-9	Dibenzofuran	240	U	240	410	530	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	590	U	590	410	1060	ug/Kg
121-14-2	2,4-Dinitrotoluene	310	U	310	410	530	ug/Kg
84-66-2	Diethylphthalate	270	U	270	410	530	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	280	U	280	410	530	ug/Kg
86-73-7	Fluorene	270	U	270	410	530	ug/Kg
100-01-6	4-Nitroaniline	330	U	330	410	530	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	280	U	280	850	1000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	290	U	290	410	530	ug/Kg
103-33-3	Azobenzene	230	U	230	410	530	ug/Kg
101-55-3	4-Bromophenyl-phenylether	310	U	310	410	530	ug/Kg
118-74-1	Hexachlorobenzene	310	U	310	410	530	ug/Kg
1912-24-9	Atrazine	300	U	300	410	530	ug/Kg
87-86-5	Pentachlorophenol	350	U	350	850	1000	ug/Kg
85-01-8	Phenanthrene	290	U	290	410	530	ug/Kg
120-12-7	Anthracene	320	U	320	410	530	ug/Kg
86-74-8	Carbazole	270	U	270	410	530	ug/Kg
84-74-2	Di-n-butylphthalate	330	U	330	410	530	ug/Kg
206-44-0	Fluoranthene	300	U	300	410	530	ug/Kg

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240765-COMPOSITE-39N-N-3-03	SDG No.:	BP022124
Lab Sample ID:	P1523-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	68.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019808.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	610	U	610	850	1000	ug/Kg
129-00-0	Pyrene	260	U	260	410	530	ug/Kg
85-68-7	Butylbenzylphthalate	320	U	320	410	530	ug/Kg
91-94-1	3,3-Dichlorobenzidine	510	U	510	850	1000	ug/Kg
56-55-3	Benzo(a)anthracene	260	U	260	410	530	ug/Kg
218-01-9	Chrysene	270	U	270	410	530	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	360	U	360	410	530	ug/Kg
117-84-0	Di-n-octyl phthalate	390	U	390	850	1000	ug/Kg
205-99-2	Benzo(b)fluoranthene	250	U	250	410	530	ug/Kg
207-08-9	Benzo(k)fluoranthene	280	U	280	410	530	ug/Kg
50-32-8	Benzo(a)pyrene	300	U	300	410	530	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	340	U	340	410	530	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	300	U	300	410	530	ug/Kg
191-24-2	Benzo(g,h,i)perylene	290	U	290	410	530	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	280	U	280	410	530	ug/Kg
123-91-1	1,4-Dioxane	370	U	370	410	530	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	260	U	260	410	530	ug/Kg
90-12-0	1-Methylnaphthalene	280	U	280	530	530	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	85.694		18-112		57	SPK: -150
13127-88-3	Phenol-d6	84.321		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	60.158		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	50.82		20-109		51	SPK: -100
118-79-6	2,4,6-Tribromophenol	93.983		10-110		63	SPK: -150
1718-51-0	Terphenyl-d14	47.16		14-112		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	63357	7.893				
1146-65-2	Naphthalene-d8	230815	10.693				
15067-26-2	Acenaphthene-d10	158855	14.528				
1517-22-2	Phenanthrene-d10	376939	17.286				
1719-03-5	Chrysene-d12	395314	21.374				
1520-96-3	Perylene-d12	452645	23.792				

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240765-COMPOSITE-39N-N-3-03	SDG No.:	BP022124
Lab Sample ID:	P1523-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	68.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019808.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000115-18-4	3-Buten-2-ol, 2-methyl-	14000	J			3.128	
000497-03-0	2-Butenal, 2-methyl-, (E)-	280	J			3.752	
000556-82-1	Prenol	1300	J			4.069	
000107-86-8	2-Butenal, 3-methyl-	400	J			4.246	
003404-73-7	1-Pentene, 3,3-dimethyl-	330	J			4.305	
	unknown4.458	430	J			4.458	
000108-11-2	2-Pentanol, 4-methyl-	2000	J			4.64	
000594-61-6	Propanoic acid, 2-hydroxy-2-methyl	1200	J			4.693	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1500	A			5.016	
004461-41-0	2-Butene, 2-chloro-	370	J			5.793	
	unknown6.093	340	J			6.093	
000078-79-5	Isoprene	400	J			6.205	
018082-56-9	3,3-Diisopropoxy-1,1,1,5,5,5-hexam	460	J			6.752	
	unknown7.287	400	J			7.287	
	unknown7.593	450	J			7.593	
020019-64-1	2(5H)-Furanone, 5,5-dimethyl-	310	J			8.134	
	unknown11.446	250	J			11.446	
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	830	J			13.428	
000057-10-3	n-Hexadecanoic acid	1400	J			18.18	
000057-11-4	Octadecanoic acid	610	J			19.416	

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240765-COMPOSITE-39N-N-3-03MS	SDG No.:	BP022124
Lab Sample ID:	P1523-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	68.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019809.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	4400		240	850	1000	ug/Kg
110-86-1	Pyridine	3700		230	410	540	ug/Kg
100-52-7	Benzaldehyde	920	J	470	850	1000	ug/Kg
62-53-3	Aniline	2900		370	410	540	ug/Kg
108-95-2	Phenol	4200		230	410	540	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	4200		280	410	540	ug/Kg
95-57-8	2-Chlorophenol	4400		230	410	540	ug/Kg
95-50-1	1,2-Dichlorobenzene	4200		260	410	540	ug/Kg
541-73-1	1,3-Dichlorobenzene	4200		280	410	540	ug/Kg
106-46-7	1,4-Dichlorobenzene	4300		260	410	540	ug/Kg
100-51-6	Benzyl Alcohol	4200		310	850	1000	ug/Kg
95-48-7	2-Methylphenol	4000		360	410	540	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	4100		330	410	540	ug/Kg
98-86-2	Acetophenone	4400		270	410	540	ug/Kg
65794-96-9	3+4-Methylphenols	4000		340	850	1000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	4000		190	250	250	ug/Kg
67-72-1	Hexachloroethane	4200		230	410	540	ug/Kg
98-95-3	Nitrobenzene	4100		240	410	540	ug/Kg
78-59-1	Isophorone	4200		210	410	540	ug/Kg
88-75-5	2-Nitrophenol	4900		300	410	540	ug/Kg
105-67-9	2,4-Dimethylphenol	4200		310	410	540	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	4200		350	410	540	ug/Kg
120-83-2	2,4-Dichlorophenol	4600		250	410	540	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4600		240	410	540	ug/Kg
65-85-0	Benzoic acid	4800		670	850	1000	ug/Kg
91-20-3	Naphthalene	4300		260	410	540	ug/Kg
106-47-8	4-Chloroaniline	1600		330	410	540	ug/Kg
87-68-3	Hexachlorobutadiene	4600		260	410	540	ug/Kg
105-60-2	Caprolactam	4600		370	850	1000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	4400		260	410	540	ug/Kg
91-57-6	2-Methylnaphthalene	4300		300	410	540	ug/Kg

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240765-COMPOSITE-39N-N-3-03MS	SDG No.:	BP022124
Lab Sample ID:	P1523-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	68.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019809.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	12200	E	660	850	1000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	4700		240	410	540	ug/Kg
95-95-4	2,4,5-Trichlorophenol	4500		280	410	540	ug/Kg
92-52-4	1,1-Biphenyl	4300		290	410	540	ug/Kg
91-58-7	2-Chloronaphthalene	4200		270	410	540	ug/Kg
88-74-4	2-Nitroaniline	4500		310	410	540	ug/Kg
131-11-3	Dimethylphthalate	4500		280	410	540	ug/Kg
208-96-8	Acenaphthylene	4600		280	410	540	ug/Kg
606-20-2	2,6-Dinitrotoluene	4500		280	410	540	ug/Kg
99-09-2	3-Nitroaniline	3600		290	410	540	ug/Kg
83-32-9	Acenaphthene	4200		250	410	540	ug/Kg
Total PAH	Total PAH	72100		4520	410	8640	ug/Kg
51-28-5	2,4-Dinitrophenol	10800	E	570	850	1000	ug/Kg
100-02-7	4-Nitrophenol	9200	E	360	850	1000	ug/Kg
132-64-9	Dibenzofuran	4500		240	410	540	ug/Kg
121-14-2	2,4-Dinitrotoluene	4800		310	410	540	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	9300		590	410	1080	ug/Kg
84-66-2	Diethylphthalate	4500		270	410	540	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	4600		280	410	540	ug/Kg
86-73-7	Fluorene	4500		270	410	540	ug/Kg
100-01-6	4-Nitroaniline	4200		330	410	540	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	5100		280	850	1000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	4300		290	410	540	ug/Kg
103-33-3	Azobenzene	4300		230	410	540	ug/Kg
101-55-3	4-Bromophenyl-phenylether	4700		310	410	540	ug/Kg
118-74-1	Hexachlorobenzene	4600		310	410	540	ug/Kg
1912-24-9	Atrazine	5500		300	410	540	ug/Kg
87-86-5	Pentachlorophenol	9400	E	350	850	1000	ug/Kg
85-01-8	Phenanthrene	4600		290	410	540	ug/Kg
120-12-7	Anthracene	4700		320	410	540	ug/Kg
86-74-8	Carbazole	4500		270	410	540	ug/Kg
84-74-2	Di-n-butylphthalate	4600		330	410	540	ug/Kg
206-44-0	Fluoranthene	4800		300	410	540	ug/Kg

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240765-COMPOSITE-39N-N-3-03MS	SDG No.:	BP022124
Lab Sample ID:	P1523-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	68.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019809.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1800		610	850	1000	ug/Kg
129-00-0	Pyrene	4200		260	410	540	ug/Kg
85-68-7	Butylbenzylphthalate	4400		320	410	540	ug/Kg
91-94-1	3,3-Dichlorobenzidine	4000		510	850	1000	ug/Kg
56-55-3	Benzo(a)anthracene	4600		260	410	540	ug/Kg
218-01-9	Chrysene	4500		270	410	540	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	4200		360	410	540	ug/Kg
117-84-0	Di-n-octyl phthalate	4200		390	850	1000	ug/Kg
205-99-2	Benzo(b)fluoranthene	4500		250	410	540	ug/Kg
207-08-9	Benzo(k)fluoranthene	4600		280	410	540	ug/Kg
50-32-8	Benzo(a)pyrene	4600		300	410	540	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	4500		340	410	540	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	4600		300	410	540	ug/Kg
191-24-2	Benzo(g,h,i)perylene	4300		290	410	540	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	4700		280	410	540	ug/Kg
123-91-1	1,4-Dioxane	3800		370	410	540	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	5200		260	410	540	ug/Kg
90-12-0	1-Methylnaphthalene	4200		280	540	540	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	93.951		18-112		63	SPK: -150
13127-88-3	Phenol-d6	86.888		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	62.782		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	54.476		20-109		54	SPK: -100
118-79-6	2,4,6-Tribromophenol	113.504		10-110		76	SPK: -150
1718-51-0	Terphenyl-d14	47.465		14-112		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	73752	7.893				
1146-65-2	Naphthalene-d8	260119	10.692				
15067-26-2	Acenaphthene-d10	170101	14.528				
1517-22-2	Phenanthrene-d10	372111	17.286				
1719-03-5	Chrysene-d12	405956	21.38				
1520-96-3	Perylene-d12	500514	23.792				



Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240765-COMPOSITE-39N-N-3-03MS	SDG No.:	BP022124
Lab Sample ID:	P1523-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	68.3
Sample Wt/Vol:	30.05	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
BP019809.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

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

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240765-COMPOSITE-39N-N-3-03MSD	SDG No.:	BP022124
Lab Sample ID:	P1523-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	68.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019810.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	4400		240	850	1000	ug/Kg
110-86-1	Pyridine	3600		230	410	540	ug/Kg
100-52-7	Benzaldehyde	960	J	470	850	1000	ug/Kg
62-53-3	Aniline	3200		370	410	540	ug/Kg
108-95-2	Phenol	4700		230	410	540	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	4400		280	410	540	ug/Kg
95-57-8	2-Chlorophenol	4700		230	410	540	ug/Kg
95-50-1	1,2-Dichlorobenzene	4300		260	410	540	ug/Kg
541-73-1	1,3-Dichlorobenzene	4300		280	410	540	ug/Kg
106-46-7	1,4-Dichlorobenzene	4400		260	410	540	ug/Kg
100-51-6	Benzyl Alcohol	4800		310	850	1000	ug/Kg
95-48-7	2-Methylphenol	4600		360	410	540	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	4300		330	410	540	ug/Kg
98-86-2	Acetophenone	4400		270	410	540	ug/Kg
65794-96-9	3+4-Methylphenols	4700		340	850	1000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	4400		190	250	250	ug/Kg
67-72-1	Hexachloroethane	4300		230	410	540	ug/Kg
98-95-3	Nitrobenzene	4200		240	410	540	ug/Kg
78-59-1	Isophorone	4500		210	410	540	ug/Kg
88-75-5	2-Nitrophenol	5100		300	410	540	ug/Kg
105-67-9	2,4-Dimethylphenol	4600		310	410	540	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	4400		350	410	540	ug/Kg
120-83-2	2,4-Dichlorophenol	5000		250	410	540	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4600		240	410	540	ug/Kg
65-85-0	Benzoic acid	5500		670	850	1000	ug/Kg
91-20-3	Naphthalene	4400		260	410	540	ug/Kg
106-47-8	4-Chloroaniline	2000		330	410	540	ug/Kg
87-68-3	Hexachlorobutadiene	4500		260	410	540	ug/Kg
105-60-2	Caprolactam	5400		370	850	1000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	5100		260	410	540	ug/Kg
91-57-6	2-Methylnaphthalene	4600		300	410	540	ug/Kg

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240765-COMPOSITE-39N-N-3-03MSD	SDG No.:	BP022124
Lab Sample ID:	P1523-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	68.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019810.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	10500	E	660	850	1000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	4700		240	410	540	ug/Kg
95-95-4	2,4,5-Trichlorophenol	4700		280	410	540	ug/Kg
92-52-4	1,1-Biphenyl	4200		290	410	540	ug/Kg
91-58-7	2-Chloronaphthalene	4100		270	410	540	ug/Kg
88-74-4	2-Nitroaniline	4600		310	410	540	ug/Kg
131-11-3	Dimethylphthalate	4600		280	410	540	ug/Kg
208-96-8	Acenaphthylene	4700		280	410	540	ug/Kg
606-20-2	2,6-Dinitrotoluene	4500		280	410	540	ug/Kg
99-09-2	3-Nitroaniline	3800		290	410	540	ug/Kg
83-32-9	Acenaphthene	4300		250	410	540	ug/Kg
Total PAH	Total PAH	72800		4520	410	8640	ug/Kg
51-28-5	2,4-Dinitrophenol	11300	E	570	850	1000	ug/Kg
100-02-7	4-Nitrophenol	10000	E	360	850	1000	ug/Kg
132-64-9	Dibenzofuran	4600		240	410	540	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	9600		590	410	1080	ug/Kg
121-14-2	2,4-Dinitrotoluene	5100		310	410	540	ug/Kg
84-66-2	Diethylphthalate	4700		270	410	540	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	4700		280	410	540	ug/Kg
86-73-7	Fluorene	4700		270	410	540	ug/Kg
100-01-6	4-Nitroaniline	4600		330	410	540	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	5300		280	850	1000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	4300		290	410	540	ug/Kg
103-33-3	Azobenzene	4500		230	410	540	ug/Kg
101-55-3	4-Bromophenyl-phenylether	4600		310	410	540	ug/Kg
118-74-1	Hexachlorobenzene	4600		310	410	540	ug/Kg
1912-24-9	Atrazine	5600		300	410	540	ug/Kg
87-86-5	Pentachlorophenol	9500	E	350	850	1000	ug/Kg
85-01-8	Phenanthrene	4700		290	410	540	ug/Kg
120-12-7	Anthracene	4700		320	410	540	ug/Kg
86-74-8	Carbazole	4700		270	410	540	ug/Kg
84-74-2	Di-n-butylphthalate	4700		330	410	540	ug/Kg
206-44-0	Fluoranthene	5000		300	410	540	ug/Kg

Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240765-COMPOSITE-39N-N-3-03MSD	SDG No.:	BP022124
Lab Sample ID:	P1523-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	68.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019810.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1900		610	850	1000	ug/Kg
129-00-0	Pyrene	4300		260	410	540	ug/Kg
85-68-7	Butylbenzylphthalate	4500		320	410	540	ug/Kg
91-94-1	3,3-Dichlorobenzidine	4000		510	850	1000	ug/Kg
56-55-3	Benzo(a)anthracene	4600		260	410	540	ug/Kg
218-01-9	Chrysene	4600		270	410	540	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	4400		360	410	540	ug/Kg
117-84-0	Di-n-octyl phthalate	4300		390	850	1000	ug/Kg
205-99-2	Benzo(b)fluoranthene	4700		250	410	540	ug/Kg
207-08-9	Benzo(k)fluoranthene	4800		280	410	540	ug/Kg
50-32-8	Benzo(a)pyrene	4700		300	410	540	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	4300		340	410	540	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	4300		300	410	540	ug/Kg
191-24-2	Benzo(g,h,i)perylene	4000		290	410	540	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	4400		280	410	540	ug/Kg
123-91-1	1,4-Dioxane	3600		370	410	540	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	5400		260	410	540	ug/Kg
90-12-0	1-Methylnaphthalene	4500		280	540	540	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	99.874		18-112		67	SPK: -150
13127-88-3	Phenol-d6	98.729		15-107		66	SPK: -150
4165-60-0	Nitrobenzene-d5	62.712		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	53.058		20-109		53	SPK: -100
118-79-6	2,4,6-Tribromophenol	120.063		10-110		80	SPK: -150
1718-51-0	Terphenyl-d14	50.031		14-112		50	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	59086	7.893				
1146-65-2	Naphthalene-d8	225048	10.693				
15067-26-2	Acenaphthene-d10	166007	14.528				
1517-22-2	Phenanthrene-d10	384377	17.287				
1719-03-5	Chrysene-d12	416810	21.38				
1520-96-3	Perylene-d12	436272	23.792				



Report of Analysis

Client:		Date Collected:	2/8/2024 12:00:00 AM
Project:		Date Received:	2/8/2024 12:00:00 AM
Client Sample ID:	20240765-COMPOSITE-39N-N-3-03MSD	SDG No.:	BP022124
Lab Sample ID:	P1523-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	68.3
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019810.D	1	2/20/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159140

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

Client:		Date Collected:	2/19/2024 12:00:00 AM
Project:		Date Received:	2/19/2024 12:00:00 AM
Client Sample ID:	BROAD-GENERAL	SDG No.:	BP022124
Lab Sample ID:	P1530-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019811.D	1	2/21/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159185

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	89.4	U	89.4	310	380	ug/Kg
110-86-1	Pyridine	83.8	U	83.8	150	200	ug/Kg
100-52-7	Benzaldehyde	170	U	170	310	380	ug/Kg
62-53-3	Aniline	140	U	140	150	200	ug/Kg
108-95-2	Phenol	86.1	U	86.1	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	200	ug/Kg
95-57-8	2-Chlorophenol	83.3	U	83.3	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	94.5	U	94.5	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	95.3	U	95.3	150	200	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	310	380	ug/Kg
95-48-7	2-Methylphenol	130	U	130	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	68.3	U	68.3	92.5	92.5	ug/Kg
67-72-1	Hexachloroethane	85.1	U	85.1	150	200	ug/Kg
98-95-3	Nitrobenzene	87	U	87	150	200	ug/Kg
78-59-1	Isophorone	78.8	U	78.8	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	90.3	U	90.3	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	89.7	U	89.7	150	200	ug/Kg
65-85-0	Benzoic acid	250	U	250	310	380	ug/Kg
91-20-3	Naphthalene	94.2	U	94.2	150	200	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	97.2	U	97.2	150	200	ug/Kg
105-60-2	Caprolactam	140	U	140	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	95.4	U	95.4	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	2/19/2024 12:00:00 AM
Project:		Date Received:	2/19/2024 12:00:00 AM
Client Sample ID:	BROAD-GENERAL	SDG No.:	BP022124
Lab Sample ID:	P1530-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019811.D	1	2/21/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159185

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	240	U	240	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	89.2	U	89.2	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	150	200	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	97.9	U	97.9	150	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	200	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	150	200	ug/Kg
208-96-8	Acenaphthylene	100	J	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	150	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	200	ug/Kg
83-32-9	Acenaphthene	100	J	92.9	150	200	ug/Kg
Total PAH	Total PAH	9240		1662	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	310	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	380	ug/Kg
132-64-9	Dibenzofuran	89	U	89	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	150	200	ug/Kg
84-66-2	Diethylphthalate	99.4	U	99.4	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	200	ug/Kg
86-73-7	Fluorene	100	J	98.1	150	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	200	ug/Kg
103-33-3	Azobenzene	85	U	85	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	200	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	310	380	ug/Kg
85-01-8	Phenanthrene	840		110	150	200	ug/Kg
120-12-7	Anthracene	310		120	150	200	ug/Kg
86-74-8	Carbazole	130	J	98.2	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	200	ug/Kg
206-44-0	Fluoranthene	1700		110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	2/19/2024 12:00:00 AM
Project:		Date Received:	2/19/2024 12:00:00 AM
Client Sample ID:	BROAD-GENERAL	SDG No.:	BP022124
Lab Sample ID:	P1530-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019811.D	1	2/21/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159185

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benzidine	220	U	220	310	380	ug/Kg
129-00-0	Pyrene	1100		96.8	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	820		97.1	150	200	ug/Kg
218-01-9	Chrysene	750		100	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		92.9	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	350		100	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	840		110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	450		120	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	J	110	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	540		110	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	200	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	95.9	U	95.9	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	65.798		18-112		44	SPK: -150
13127-88-3	Phenol-d6	57.763		15-107		39	SPK: -150
4165-60-0	Nitrobenzene-d5	45.431		18-107		45	SPK: -100
321-60-8	2-Fluorobiphenyl	40.896		20-109		41	SPK: -100
118-79-6	2,4,6-Tribromophenol	77.594		10-110		52	SPK: -150
1718-51-0	Terphenyl-d14	33.405		14-112		33	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	76439	7.893				
1146-65-2	Naphthalene-d8	252164	10.693				
15067-26-2	Acenaphthene-d10	155069	14.528				
1517-22-2	Phenanthrene-d10	328999	17.286				
1719-03-5	Chrysene-d12	399280	21.374				
1520-96-3	Perylene-d12	486202	23.792				



Report of Analysis

Client:		Date Collected:	2/19/2024 12:00:00 AM
Project:		Date Received:	2/19/2024 12:00:00 AM
Client Sample ID:	BROAD-GENERAL	SDG No.:	BP022124
Lab Sample ID:	P1530-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.7
Sample Wt/Vol:	30.05	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
BP019811.D	1	2/21/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159185

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:	4	SDG No.:	BP022124
Lab Sample ID:	P1537-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019812.D	1	2/21/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159185

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	77.1	U	77.1	270	330	ug/Kg
110-86-1	Pyridine	72.2	U	72.2	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	74.2	U	74.2	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.5	U	89.5	130	170	ug/Kg
95-57-8	2-Chlorophenol	71.8	U	71.8	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	81.5	U	81.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	88.2	U	88.2	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	82.2	U	82.2	130	170	ug/Kg
100-51-6	Benzyl Alcohol	98.5	U	98.5	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	86.4	U	86.4	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	58.8	U	58.8	79.8	79.8	ug/Kg
67-72-1	Hexachloroethane	73.4	U	73.4	130	170	ug/Kg
98-95-3	Nitrobenzene	75	U	75	130	170	ug/Kg
78-59-1	Isophorone	67.9	U	67.9	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.8	U	94.8	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	99.3	U	99.3	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	77.9	U	77.9	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	77.3	U	77.3	130	170	ug/Kg
65-85-0	Benzoic acid	210	U	210	270	330	ug/Kg
91-20-3	Naphthalene	81.2	U	81.2	130	170	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.7	U	83.7	130	170	ug/Kg
105-60-2	Caprolactam	120	U	120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.3	U	82.3	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	94.6	U	94.6	130	170	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:	4	SDG No.:	BP022124
Lab Sample ID:	P1537-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019812.D	1	2/21/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159185

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	76.9	U	76.9	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.6	U	87.6	130	170	ug/Kg
92-52-4	1,1-Biphenyl	91	U	91	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.3	U	84.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	99	U	99	130	170	ug/Kg
131-11-3	Dimethylphthalate	88.6	U	88.6	130	170	ug/Kg
208-96-8	Acenaphthylene	88.1	U	88.1	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.7	U	89.7	130	170	ug/Kg
99-09-2	3-Nitroaniline	93.1	U	93.1	130	170	ug/Kg
83-32-9	Acenaphthene	80.1	U	80.1	130	170	ug/Kg
Total PAH	Total PAH	1434.2	U	1434.2	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	76.7	U	76.7	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.6	U	99.6	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.3	U	189.3	130	340	ug/Kg
84-66-2	Diethylphthalate	85.6	U	85.6	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.1	U	90.1	130	170	ug/Kg
86-73-7	Fluorene	84.5	U	84.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.5	U	87.5	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93	U	93	130	170	ug/Kg
103-33-3	Azobenzene	73.3	U	73.3	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.1	U	97.1	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.5	U	98.5	130	170	ug/Kg
1912-24-9	Atrazine	95.1	U	95.1	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	92.4	U	92.4	130	170	ug/Kg
120-12-7	Anthracene	100	U	100	130	170	ug/Kg
86-74-8	Carbazole	84.6	U	84.6	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	140	J	94.1	130	170	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:	4	SDG No.:	BP022124
Lab Sample ID:	P1537-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019812.D	1	2/21/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159185

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	120	J	83.4	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	85.4	J	83.6	130	170	ug/Kg
218-01-9	Chrysene	86.5	U	86.5	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	100	J	80.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	87.8	U	87.8	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94	U	94	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	96.2	U	96.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.2	U	92.2	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.1	U	89.1	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	82.7	U	82.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	89.9	U	89.9	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	78.186		18-112		52	SPK: -150
13127-88-3	Phenol-d6	72.436		15-107		48	SPK: -150
4165-60-0	Nitrobenzene-d5	52.943		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	52.273		20-109		52	SPK: -100
118-79-6	2,4,6-Tribromophenol	110.738		10-110		74	SPK: -150
1718-51-0	Terphenyl-d14	54.976		14-112		55	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	70928	7.893				
1146-65-2	Naphthalene-d8	253173	10.693				
15067-26-2	Acenaphthene-d10	174643	14.528				
1517-22-2	Phenanthrene-d10	424499	17.287				
1719-03-5	Chrysene-d12	457732	21.375				
1520-96-3	Perylene-d12	522309	23.792				

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:	4	SDG No.:	BP022124
Lab Sample ID:	P1537-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019812.D	1	2/21/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159185

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000106-31-0	Butanoic acid, anhydride	1200	J			3.129	
000556-82-1	Prenol	120	J			4.07	
116465-17-9	4-Trifluoroacetoxyoctane	110	J			4.305	
000108-11-2	2-Pentanol, 4-methyl-	160	J			4.634	
004435-53-4	1-Butanol, 3-methoxy-, acetate	85.7	J			4.687	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	500	A			5.011	
	unknown6.093	97	J			6.093	
	unknown6.717	78.1	J			6.717	
000057-10-3	n-Hexadecanoic acid	400	J			18.181	
000057-11-4	Octadecanoic acid	92.7	J			19.416	
000661-19-8	Behenic alcohol	130	J			21.098	

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:	5	SDG No.:	BP022124
Lab Sample ID:	P1537-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019813.D	1	2/21/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159185

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	72.3	U	72.3	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	74.3	U	74.3	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	71.9	U	71.9	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	58.9	U	58.9	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	73.5	U	73.5	130	170	ug/Kg
98-95-3	Nitrobenzene	75.1	U	75.1	130	170	ug/Kg
78-59-1	Isophorone	68	U	68	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:	2/20/2024 12:00:00 AM
Project:		Date Received:	2/20/2024 12:00:00 AM
Client Sample ID:	5	SDG No.:	BP022124
Lab Sample ID:	P1537-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	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
BP019813.D	1	2/21/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159185

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	1930	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
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.7	U	189.7	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.8	U	99.8	130	170	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	73.4	U	73.4	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	230		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	390		94.3	130	170	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:	5	SDG No.:	BP022124
Lab Sample ID:	P1537-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019813.D	1	2/21/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159185

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	370		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	220		83.8	130	170	ug/Kg
218-01-9	Chrysene	200		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	220		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	190		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	110	J	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	72.732		18-112		48	SPK: -150
13127-88-3	Phenol-d6	68.341		15-107		46	SPK: -150
4165-60-0	Nitrobenzene-d5	48.428		18-107		48	SPK: -100
321-60-8	2-Fluorobiphenyl	47.941		20-109		48	SPK: -100
118-79-6	2,4,6-Tribromophenol	81.832		10-110		55	SPK: -150
1718-51-0	Terphenyl-d14	47.72		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	88604	7.893				
1146-65-2	Naphthalene-d8	319932	10.693				
15067-26-2	Acenaphthene-d10	199763	14.528				
1517-22-2	Phenanthrene-d10	387875	17.286				
1719-03-5	Chrysene-d12	363609	21.38				
1520-96-3	Perylene-d12	456227	23.792				



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

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:	5	SDG No.:	BP022124
Lab Sample ID:	P1537-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019813.D	1	2/21/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159185

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
001569-50-2	3-Penten-2-ol	1000	J			3.128	
000556-82-1	Prenol	95.6	J			4.069	
003404-73-7	1-Pentene, 3,3-dimethyl-	69.6	J			4.305	
000108-11-2	2-Pentanol, 4-methyl-	140	J			4.64	
	unknown4.687	100	J			4.687	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	480	A			5.016	
	unknown6.093	91.2	J			6.093	
	unknown6.716	95.2	J			6.716	
000057-10-3	n-Hexadecanoic acid	300	J			18.18	
000203-64-5	4H-Cyclopenta[def]phenanthrene	120	J			18.339	
000057-11-4	Octadecanoic acid	84.2	J			19.416	
006222-06-6	Pentafluoropropionic acid, tetra-	100	J			21.098	

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:	6	SDG No.:	BP022124
Lab Sample ID:	P1537-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019814.D	1	2/21/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159185

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	77.1	U	77.1	270	330	ug/Kg
110-86-1	Pyridine	72.2	U	72.2	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	74.2	U	74.2	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.6	U	89.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	71.8	U	71.8	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	81.5	U	81.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	88.3	U	88.3	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	82.2	U	82.2	130	170	ug/Kg
100-51-6	Benzyl Alcohol	98.6	U	98.6	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	86.5	U	86.5	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	58.9	U	58.9	79.8	79.8	ug/Kg
67-72-1	Hexachloroethane	73.4	U	73.4	130	170	ug/Kg
98-95-3	Nitrobenzene	75	U	75	130	170	ug/Kg
78-59-1	Isophorone	67.9	U	67.9	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.9	U	94.9	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	99.4	U	99.4	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	77.9	U	77.9	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	77.3	U	77.3	130	170	ug/Kg
65-85-0	Benzoic acid	210	U	210	270	330	ug/Kg
91-20-3	Naphthalene	81.2	U	81.2	130	170	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.8	U	83.8	130	170	ug/Kg
105-60-2	Caprolactam	120	U	120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.3	U	82.3	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	94.7	U	94.7	130	170	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:	6	SDG No.:	BP022124
Lab Sample ID:	P1537-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019814.D	1	2/21/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159185

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	76.9	U	76.9	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.7	U	87.7	130	170	ug/Kg
92-52-4	1,1-Biphenyl	91.1	U	91.1	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.4	U	84.4	130	170	ug/Kg
88-74-4	2-Nitroaniline	99.1	U	99.1	130	170	ug/Kg
131-11-3	Dimethylphthalate	88.7	U	88.7	130	170	ug/Kg
208-96-8	Acenaphthylene	88.2	U	88.2	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.8	U	89.8	130	170	ug/Kg
99-09-2	3-Nitroaniline	93.2	U	93.2	130	170	ug/Kg
83-32-9	Acenaphthene	80.1	U	80.1	130	170	ug/Kg
Total PAH	Total PAH	2560	U	1435.3	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	76.7	U	76.7	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.5	U	189.5	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.7	U	99.7	130	170	ug/Kg
84-66-2	Diethylphthalate	85.7	U	85.7	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.2	U	90.2	130	170	ug/Kg
86-73-7	Fluorene	84.6	U	84.6	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.6	U	87.6	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.1	U	93.1	130	170	ug/Kg
103-33-3	Azobenzene	73.3	U	73.3	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.2	U	97.2	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.6	U	98.6	130	170	ug/Kg
1912-24-9	Atrazine	95.2	U	95.2	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	310		92.5	130	170	ug/Kg
120-12-7	Anthracene	100	J	100	130	170	ug/Kg
86-74-8	Carbazole	84.7	U	84.7	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	510		94.2	130	170	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:	6	SDG No.:	BP022124
Lab Sample ID:	P1537-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019814.D	1	2/21/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159185

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	430		83.5	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	230		83.7	130	170	ug/Kg
218-01-9	Chrysene	230		86.6	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	280		80.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	87.9	U	87.9	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	220		94.1	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	J	110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.3	U	96.3	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	J	92.3	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.2	U	89.2	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	82.7	U	82.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90	U	90	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	80.556		18-112		54	SPK: -150
13127-88-3	Phenol-d6	77.306		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	53.094		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	51.647		20-109		52	SPK: -100
118-79-6	2,4,6-Tribromophenol	105.367		10-110		70	SPK: -150
1718-51-0	Terphenyl-d14	54.22		14-112		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	74010	7.893				
1146-65-2	Naphthalene-d8	267008	10.693				
15067-26-2	Acenaphthene-d10	180002	14.528				
1517-22-2	Phenanthrene-d10	411807	17.287				
1719-03-5	Chrysene-d12	427437	21.38				
1520-96-3	Perylene-d12	487749	23.792				

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:	6	SDG No.:	BP022124
Lab Sample ID:	P1537-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019814.D	1	2/21/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159185

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
001569-50-2	3-Penten-2-ol	1300	J			3.128	
000556-82-1	Prenol	120	J			4.07	
000108-11-2	2-Pentanol, 4-methyl-	180	J			4.64	
	unknown4.693	100	J			4.693	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	500	A			5.017	
000832-69-9	Phenanthrene, 1-methyl-	74.2	J			18.151	
000057-10-3	n-Hexadecanoic acid	390	J			18.181	
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	150	J			18.34	
001576-69-8	Phenanthrene, 2,7-dimethyl-	78.2	J			19.039	
000057-11-4	Octadecanoic acid	69.2	J			19.416	
010192-32-2	1-Tetracosene	130	J			21.098	

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:	7	SDG No.:	BP022124
Lab Sample ID:	P1537-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019815.D	1	2/21/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159185

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

Report of Analysis

Client:		Date Collected:	2/20/2024 12:00:00 AM
Project:		Date Received:	2/20/2024 12:00:00 AM
Client Sample ID:	7	SDG No.:	BP022124
Lab Sample ID:	P1537-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019815.D	1	2/21/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159185

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	210	U	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.1	U	77.1	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.9	U	87.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	91.3	U	91.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.6	U	84.6	130	170	ug/Kg
88-74-4	2-Nitroaniline	99.3	U	99.3	130	170	ug/Kg
131-11-3	Dimethylphthalate	88.9	U	88.9	130	170	ug/Kg
208-96-8	Acenaphthylene	88.4	U	88.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	90	U	90	130	170	ug/Kg
99-09-2	3-Nitroaniline	93.4	U	93.4	130	170	ug/Kg
83-32-9	Acenaphthene	80.3	U	80.3	130	170	ug/Kg
Total PAH	Total PAH	1438.1	U	1438.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	270	330	ug/Kg
132-64-9	Dibenzofuran	76.9	U	76.9	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	189.9	U	189.9	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.9	U	99.9	130	170	ug/Kg
84-66-2	Diethylphthalate	85.9	U	85.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.4	U	90.4	130	170	ug/Kg
86-73-7	Fluorene	84.8	U	84.8	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.8	U	87.8	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.3	U	93.3	130	170	ug/Kg
103-33-3	Azobenzene	73.5	U	73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.4	U	97.4	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.8	U	98.8	130	170	ug/Kg
1912-24-9	Atrazine	95.4	U	95.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	92.7	U	92.7	130	170	ug/Kg
120-12-7	Anthracene	100	U	100	130	170	ug/Kg
86-74-8	Carbazole	84.9	U	84.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	200		94.4	130	170	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:	7	SDG No.:	BP022124
Lab Sample ID:	P1537-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019815.D	1	2/21/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159185

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	170		83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	99.4	J	83.9	130	170	ug/Kg
218-01-9	Chrysene	100	J	86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	120	J	80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.1	U	88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	96.7	J	94.3	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.5	U	96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.5	U	92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.4	U	89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.9	U	82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.2	U	90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	85.201		18-112		57	SPK: -150
13127-88-3	Phenol-d6	80.761		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	54.279		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	53.651		20-109		54	SPK: -100
118-79-6	2,4,6-Tribromophenol	109.616		10-110		73	SPK: -150
1718-51-0	Terphenyl-d14	59.919		14-112		60	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	81437	7.893				
1146-65-2	Naphthalene-d8	314676	10.693				
15067-26-2	Acenaphthene-d10	221023	14.528				
1517-22-2	Phenanthrene-d10	508275	17.286				
1719-03-5	Chrysene-d12	514957	21.38				
1520-96-3	Perylene-d12	578836	23.792				



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

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:	7	SDG No.:	BP022124
Lab Sample ID:	P1537-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP019815.D	1	2/21/2024 12:00:00 AM	2/21/2024 12:00:00 AM	PB159185

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000637-64-9	2-Furanmethanol, tetrahydro-, acet	1300	J			3.128	
000556-82-1	Prenol	110	J			4.069	
000108-11-2	2-Pentanol, 4-methyl-	170	J			4.64	
006321-14-8	2-Hexanone, 3-hydroxy-3,5-dimethyl	95	J			4.693	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	540	A			5.016	
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	690	J			13.428	
000057-10-3	n-Hexadecanoic acid	440	J			18.18	
000057-11-4	Octadecanoic acid	96.3	J			19.416	
000506-52-5	1-Hexacosanol	150	J			21.098	

Hit Summary Sheet

SW-846

SDG No.: BP022124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : 20240763-COMPOSITE-39N-N-3-01								
P1523-01	20240763-COMPOSITE-	Solid	(E)-4-(3-Hydroxyprop-1-en-1-yl)-	*	590.000	J		
P1523-01	20240763-COMPOSITE-	Solid	1-Tetracosene	*	330.000	J		
P1523-01	20240763-COMPOSITE-	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-di-	*	760.000	J		
P1523-01	20240763-COMPOSITE-	Solid	2-Pentanol, 4-methyl-	*	1,700.000	J		
P1523-01	20240763-COMPOSITE-	Solid	2-Pentanone, 4-hydroxy-4-methyl-	*	1,900.000	A		
P1523-01	20240763-COMPOSITE-	Solid	3,5-Dimethoxy-4-hydroxycinnamal-	*	1,900.000	J		
P1523-01	20240763-COMPOSITE-	Solid	3-Penten-2-ol	*	12,200.000	J		
P1523-01	20240763-COMPOSITE-	Solid	n-Hexadecanoic acid	*	5,100.000	J		
P1523-01	20240763-COMPOSITE-	Solid	Octadecanoic acid	*	45,100.000	J		
P1523-01	20240763-COMPOSITE-	Solid	Pentadecanoic acid	*	2,500.000	J		
P1523-01	20240763-COMPOSITE-	Solid	Phthalic acid, di(2-propylpentyl)-	*	540.000	J		
P1523-01	20240763-COMPOSITE-	Solid	Prenol	*	1,200.000	J		
P1523-01	20240763-COMPOSITE-	Solid	Supraene	*	590.000	J		
P1523-01	20240763-COMPOSITE-	Solid	trans-Sinapyl alcohol	*	2,200.000	J		
Total Tics :				76,610.00				
Total Concentration:				76,610.00				
Client ID : 20240764-COMPOSITE-39N-N-3-02								
P1523-02	20240764-COMPOSITE-	Solid	1-Benzazirene-1-carboxylic acid, 1-	*	1,200.000	J		
P1523-02	20240764-COMPOSITE-	Solid	1-Pentene, 3,3-dimethyl-	*	400.000	J		
P1523-02	20240764-COMPOSITE-	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-di-	*	3,500.000	J		
P1523-02	20240764-COMPOSITE-	Solid	2-Buten-1-ol, 3-methyl-, acetate	*	340.000	J		
P1523-02	20240764-COMPOSITE-	Solid	2-Butenal, 3-methyl-	*	300.000	J		
P1523-02	20240764-COMPOSITE-	Solid	2-Hydroxypropiophenone, TMS d	*	750.000	J		
P1523-02	20240764-COMPOSITE-	Solid	2-Pentanol, 4-methyl-	*	1,600.000	J		
P1523-02	20240764-COMPOSITE-	Solid	2-Pentanone, 4-hydroxy-4-methyl-	*	1,300.000	A		
P1523-02	20240764-COMPOSITE-	Solid	3-Penten-2-ol	*	10,900.000	J		
P1523-02	20240764-COMPOSITE-	Solid	Cyanic acid, ethyl ester	*	380.000	J		
P1523-02	20240764-COMPOSITE-	Solid	Furan, 2,3-dihydro-4-methyl-	*	310.000	J		
P1523-02	20240764-COMPOSITE-	Solid	n-Hexadecanoic acid	*	1,900.000	J		
P1523-02	20240764-COMPOSITE-	Solid	Octadecanoic acid	*	730.000	J		
P1523-02	20240764-COMPOSITE-	Solid	Prenol	*	1,100.000	J		
P1523-02	20240764-COMPOSITE-	Solid	Propanoic acid, 2-hydroxy-2-methyl-	*	1,100.000	J		
P1523-02	20240764-COMPOSITE-	Solid	unknown 6.093	*	330.000	J		
P1523-02	20240764-COMPOSITE-	Solid	unknown14.751	*	1,000.000	J		
P1523-02	20240764-COMPOSITE-	Solid	unknown4.452	*	380.000	J		
P1523-02	20240764-COMPOSITE-	Solid	unknown5.787	*	320.000	J		
P1523-02	20240764-COMPOSITE-	Solid	unknown8.863	*	380.000	J		
Total Tics :				28,220.00				

Hit Summary Sheet SW-846

SDG No.: BP022124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Concentration:	28,220.00				
Client ID :	20240765-COMPOSITE-39N-N-3-03							
P1523-03	20240765-COMPOSITE-	Solid	1-Pentene, 3,3-dimethyl-	*	330.000	J		
P1523-03	20240765-COMPOSITE-	Solid	2(5H)-Furanone, 5,5-dimethyl-	*	310.000	J		
P1523-03	20240765-COMPOSITE-	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-di-	*	830.000	J		
P1523-03	20240765-COMPOSITE-	Solid	2-Butenal, 2-methyl-, (E)-	*	280.000	J		
P1523-03	20240765-COMPOSITE-	Solid	2-Butenal, 3-methyl-	*	400.000	J		
P1523-03	20240765-COMPOSITE-	Solid	2-Butene, 2-chloro-	*	370.000	J		
P1523-03	20240765-COMPOSITE-	Solid	2-Pentanol, 4-methyl-	*	2,000.000	J		
P1523-03	20240765-COMPOSITE-	Solid	2-Pentanone, 4-hydroxy-4-methyl-	*	1,500.000	A		
P1523-03	20240765-COMPOSITE-	Solid	3,3-Diisopropoxy-1,1,1,5,5,5-hexa-	*	460.000	J		
P1523-03	20240765-COMPOSITE-	Solid	3-Buten-2-ol, 2-methyl-	*	14,000.000	J		
P1523-03	20240765-COMPOSITE-	Solid	Isoprene	*	400.000	J		
P1523-03	20240765-COMPOSITE-	Solid	n-Hexadecanoic acid	*	1,400.000	J		
P1523-03	20240765-COMPOSITE-	Solid	Octadecanoic acid	*	610.000	J		
P1523-03	20240765-COMPOSITE-	Solid	Prenol	*	1,300.000	J		
P1523-03	20240765-COMPOSITE-	Solid	Propanoic acid, 2-hydroxy-2-methyl-	*	1,200.000	J		
P1523-03	20240765-COMPOSITE-	Solid	unknown11.446	*	250.000	J		
P1523-03	20240765-COMPOSITE-	Solid	unknown4.458	*	430.000	J		
P1523-03	20240765-COMPOSITE-	Solid	unknown6.093	*	340.000	J		
P1523-03	20240765-COMPOSITE-	Solid	unknown7.287	*	400.000	J		
P1523-03	20240765-COMPOSITE-	Solid	unknown7.593	*	450.000	J		
			Total Tics :	27,260.00				
			Total Concentration:	27,260.00				
Client ID :	BROAD-GENERAL							
P1530-01	BROAD-GENERAL	Solid	Acenaphthene		100.000	J	92.9	200 ug/Kg
P1530-01	BROAD-GENERAL	Solid	Acenaphthylene		100.000	J	100	200 ug/Kg
P1530-01	BROAD-GENERAL	Solid	Anthracene		310.000		120	200 ug/Kg
P1530-01	BROAD-GENERAL	Solid	Benzo(a)anthracene		820.000		97.1	200 ug/Kg
P1530-01	BROAD-GENERAL	Solid	Benzo(a)pyrene		840.000		110	200 ug/Kg
P1530-01	BROAD-GENERAL	Solid	Benzo(b)fluoranthene		1,100.000		92.9	200 ug/Kg
P1530-01	BROAD-GENERAL	Solid	Benzo(g,h,i)perylene		540.000		110	200 ug/Kg
P1530-01	BROAD-GENERAL	Solid	Benzo(k)fluoranthene		350.000		100	200 ug/Kg
P1530-01	BROAD-GENERAL	Solid	Carbazole		130.000	J	98.2	200 ug/Kg
P1530-01	BROAD-GENERAL	Solid	Chrysene		750.000		100	200 ug/Kg
P1530-01	BROAD-GENERAL	Solid	Dibenzo(a,h)anthracene		140.000	J	110	200 ug/Kg
P1530-01	BROAD-GENERAL	Solid	Fluoranthene		1,700.000		110	200 ug/Kg
P1530-01	BROAD-GENERAL	Solid	Fluorene		100.000	J	98.1	200 ug/Kg
P1530-01	BROAD-GENERAL	Solid	Indeno(1,2,3-cd)pyrene		450.000		120	200 ug/Kg
P1530-01	BROAD-GENERAL	Solid	Phenanthrene		840.000		110	200 ug/Kg
P1530-01	BROAD-GENERAL	Solid	Pyrene		1,100.000		96.8	200 ug/Kg

Hit Summary Sheet SW-846

SDG No.: BP022124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1530-01	BROAD-GENERAL	Solid	Total PAH	9,240.000		1662	3200	ug/Kg
Total Svoc :				18,610.00				
Total Concentration:				18,610.00				
Client ID : 4								
P1537-04	4	Solid	1-Butanol, 3-methoxy-, acetate	*	85.700	J		
P1537-04	4	Solid	2-Pentanol, 4-methyl-	*	160.000	J		
P1537-04	4	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	500.000	A		
P1537-04	4	Solid	4-Trifluoroacetoxyoctane	*	110.000	J		
P1537-04	4	Solid	Behenic alcohol	*	130.000	J		
P1537-04	4	Solid	Butanoic acid, anhydride	*	1,200.000	J		
P1537-04	4	Solid	n-Hexadecanoic acid	*	400.000	J		
P1537-04	4	Solid	Octadecanoic acid	*	92.700	J		
P1537-04	4	Solid	Prenol	*	120.000	J		
P1537-04	4	Solid	unknown6.093	*	97.000	J		
P1537-04	4	Solid	unknown6.717	*	78.100	J		
Total Tics :				2,973.50				
P1537-04	4	Solid	Benzo(a)anthracene		85.400	J	83.6	170 ug/Kg
P1537-04	4	Solid	Benzo(b)fluoranthene		100.000	J	80.1	170 ug/Kg
P1537-04	4	Solid	Fluoranthene		140.000	J	94.1	170 ug/Kg
P1537-04	4	Solid	Pyrene		120.000	J	83.4	170 ug/Kg
Total Svoc :				445.40				
Total Concentration:				3,418.90				
Client ID : 5								
P1537-05	5	Solid	1-Pentene, 3,3-dimethyl-	*	69.600	J		
P1537-05	5	Solid	2-Pentanol, 4-methyl-	*	140.000	J		
P1537-05	5	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	480.000	A		
P1537-05	5	Solid	3-Penten-2-ol	*	1,000.000	J		
P1537-05	5	Solid	4H-Cyclopenta[def]phenanthrene	*	120.000	J		
P1537-05	5	Solid	n-Hexadecanoic acid	*	300.000	J		
P1537-05	5	Solid	Octadecanoic acid	*	84.200	J		
P1537-05	5	Solid	Pentafluoropropionic acid, tetra	*	100.000	J		
P1537-05	5	Solid	Prenol	*	95.600	J		
P1537-05	5	Solid	unknown4.687	*	100.000	J		
P1537-05	5	Solid	unknown6.093	*	91.200	J		
P1537-05	5	Solid	unknown6.716	*	95.200	J		
Total Tics :				2,675.80				
P1537-05	5	Solid	Benzo(a)anthracene		220.000		83.8	170 ug/Kg
P1537-05	5	Solid	Benzo(a)pyrene		190.000		94.2	170 ug/Kg
P1537-05	5	Solid	Benzo(b)fluoranthene		220.000		80.2	170 ug/Kg
P1537-05	5	Solid	Benzo(g,h,i)perylene		110.000	J	92.4	170 ug/Kg
P1537-05	5	Solid	Chrysene		200.000		86.7	170 ug/Kg

Hit Summary Sheet SW-846

SDG No.: BP022124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1537-05	5	Solid	Fluoranthene	390.000		94.3	170	ug/Kg
P1537-05	5	Solid	Phenanthrene	230.000		92.6	170	ug/Kg
P1537-05	5	Solid	Pyrene	370.000		83.6	170	ug/Kg
Total Svoc :						1,930.00		
Total Concentration:						4,605.80		

Client ID : 6

P1537-06	6	Solid	1-Tetracosene	*	130.000	J		
P1537-06	6	Solid	2-Pentanol, 4-methyl-	*	180.000	J		
P1537-06	6	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	500.000	A		
P1537-06	6	Solid	3-Penten-2-ol	*	1,300.000	J		
P1537-06	6	Solid	Benzaldehyde, 3,5-dichloro-2-hyd	*	150.000	J		
P1537-06	6	Solid	n-Hexadecanoic acid	*	390.000	J		
P1537-06	6	Solid	Octadecanoic acid	*	69.200	J		
P1537-06	6	Solid	Phenanthrene, 1-methyl-	*	74.200	J		
P1537-06	6	Solid	Phenanthrene, 2,7-dimethyl-	*	78.200	J		
P1537-06	6	Solid	Prenol	*	120.000	J		
P1537-06	6	Solid	unknown4.693	*	100.000	J		
Total Tics :						3,091.60		
P1537-06	6	Solid	Anthracene		100.000	J	100	ug/Kg
P1537-06	6	Solid	Benzo(a)anthracene		230.000		83.7	ug/Kg
P1537-06	6	Solid	Benzo(a)pyrene		220.000		94.1	ug/Kg
P1537-06	6	Solid	Benzo(b)fluoranthene		280.000		80.1	ug/Kg
P1537-06	6	Solid	Benzo(g,h,i)perylene		140.000	J	92.3	ug/Kg
P1537-06	6	Solid	Chrysene		230.000		86.6	ug/Kg
P1537-06	6	Solid	Fluoranthene		510.000		94.2	ug/Kg
P1537-06	6	Solid	Indeno(1,2,3-cd)pyrene		110.000	J	110	ug/Kg
P1537-06	6	Solid	Phenanthrene		310.000		92.5	ug/Kg
P1537-06	6	Solid	Pyrene		430.000		83.5	ug/Kg
Total Svoc :						2,560.00		
Total Concentration:						5,651.60		

Client ID : 7

P1537-07	7	Solid	1-Hexacosanol	*	150.000	J		
P1537-07	7	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-c	*	690.000	J		
P1537-07	7	Solid	2-Furanmethanol, tetrahydro-, ace	*	1,300.000	J		
P1537-07	7	Solid	2-Hexanone, 3-hydroxy-3,5-dimet	*	95.000	J		
P1537-07	7	Solid	2-Pentanol, 4-methyl-	*	170.000	J		
P1537-07	7	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	540.000	A		
P1537-07	7	Solid	n-Hexadecanoic acid	*	440.000	J		
P1537-07	7	Solid	Octadecanoic acid	*	96.300	J		
P1537-07	7	Solid	Prenol	*	110.000	J		
Total Tics :						3,591.30		



Hit Summary Sheet
SW-846

SDG No.: BP022124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1537-07	7	Solid	Benzo(a)anthracene	99.400	J	83.9	170	ug/Kg
P1537-07	7	Solid	Benzo(a)pyrene	96.700	J	94.3	170	ug/Kg
P1537-07	7	Solid	Benzo(b)fluoranthene	120.000	J	80.3	170	ug/Kg
P1537-07	7	Solid	Chrysene	100.000	J	86.8	170	ug/Kg
P1537-07	7	Solid	Fluoranthene	200.000		94.4	170	ug/Kg
P1537-07	7	Solid	Pyrene	170.000		83.7	170	ug/Kg
Total Svoc :				786.10				
Total Concentration:				4,377.40				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BP013124

SAS No.: BP013124

SDG No.: BP013124

Instrument ID:

Calibration Date(s): 1/31/2024

Calibration Time(s): 14:16

LAB FILE ID:		RRF2.5 = BP019492.D			RRF005 = BP019493.D		RRF010 = BP019494.D	
		RRF020 = BP019495.D			RRF040 = BP019496.D		RRF050 = BP019497.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.516	0.566	0.572	0.533	0.564	0.564	5.6
Pyridine		1.249	1.307	1.308	1.208	1.300	1.296	4.0
2-Fluorophenol		1.309	1.247	1.258	1.134	1.240	1.241	4.2
Benzaldehyde		1.223	1.176	1.092	1.331	1.205	1.173	10.2
Aniline		1.612	1.686	1.659	1.555	1.549	1.626	3.5
Phenol-d6		1.662	1.730	1.703	1.589	1.621	1.673	3.2
Phenol		1.662	1.724	1.685	1.584	1.628	1.667	2.9
bis(2-Chloroethyl)ether		1.324	1.345	1.330	1.250	1.243	1.297	3.3
2-Chlorophenol		1.274	1.305	1.290	1.200	1.256	1.274	3.0
1,2-Dichlorobenzene		1.596	1.573	1.550	1.428	1.505	1.528	3.6
1,3-Dichlorobenzene		1.632	1.572	1.586	1.447	1.538	1.559	3.7
1,4-Dichlorobenzene		1.601	1.637	1.617	1.458	1.575	1.579	3.7
Benzyl Alcohol		1.272	1.401	1.364	1.309	1.282	1.337	4.0
2-Methylphenol		1.087	1.179	1.149	1.096	1.069	1.123	3.8
2,2-oxybis(1-Chloropropane)		1.298	1.380	1.346	1.276	1.230	1.297	4.4
Acetophenone		0.558	0.578	0.571	0.545	0.566	0.570	2.6
3+4-Methylphenols		1.484	1.643	1.547	1.476	1.459	1.532	4.4
n-Nitroso-di-n-propylamine	1.241	1.092	1.259	1.150	1.133	1.053	1.143	6.7
Nitrobenzene-d5		0.447	0.449	0.469	0.439	0.464	0.462	3.6
Hexachloroethane		0.634	0.607	0.636	0.580	0.607	0.612	3.2
Nitrobenzene		0.455	0.461	0.466	0.441	0.466	0.465	3.1
Isophorone		0.790	0.857	0.803	0.782	0.805	0.804	3.1
2-Nitrophenol		0.154	0.165	0.174	0.174	0.187	0.177	8.2
2,4-Dimethylphenol		0.218	0.226	0.228	0.219	0.227	0.227	2.7
bis(2-Chloroethoxy)methane		0.451	0.472	0.453	0.445	0.454	0.455	2.1
2,4-Dichlorophenol		0.333	0.336	0.343	0.330	0.349	0.343	2.9
1,2,4-Trichlorobenzene		0.445	0.404	0.422	0.397	0.421	0.420	3.7
Benzoic acid		0.183	0.202	0.212	0.222	0.236	0.221	10.7
Naphthalene		1.116	1.116	1.092	1.038	1.095	1.097	2.6
4-Chloroaniline		0.389	0.425	0.407	0.391	0.413	0.406	3.1
Hexachlorobutadiene		0.316	0.298	0.314	0.297	0.318	0.311	3.1
Caprolactam		0.094	0.107	0.093	0.088	0.110	0.097	8.6
4-Chloro-3-methylphenol		0.360	0.404	0.367	0.358	0.386	0.373	4.4
2-Methylnaphthalene		0.754	0.809	0.756	0.730	0.756	0.759	3.3
Hexachlorocyclopentadiene		0.333	0.291	0.357	0.353	0.349	0.348	8.6
2,4,6-Trichlorophenol		0.450	0.446	0.467	0.453	0.465	0.467	4.3

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BP013124

SAS No.: BP013124

SDG No.: BP013124

Instrument ID:

Calibration Date(s): 1/31/2024

Calibration Time(s): 14:16

LAB FILE ID:		RRF2.5 = BP019492.D		RRF005 = BP019493.D		RRF010 = BP019494.D		
		RRF020 = BP019495.D		RRF040 = BP019496.D		RRF050 = BP019497.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.632	1.560	1.655	1.557	1.553	1.618	3.7
2,4,5-Trichlorophenol		0.480	0.499	0.513	0.495	0.519	0.513	4.6
1,1-Biphenyl		1.612	1.549	1.623	1.539	1.533	1.596	3.5
2-Chloronaphthalene		1.338	1.277	1.327	1.249	1.260	1.310	3.6
2-Nitroaniline		0.330	0.345	0.363	0.349	0.387	0.366	7.4
Dimethylphthalate		1.579	1.553	1.513	1.415	1.598	1.531	3.9
Acenaphthylene		1.840	1.838	1.848	1.734	1.830	1.838	2.9
2,6-Dinitrotoluene		0.308	0.338	0.332	0.317	0.358	0.336	5.6
3-Nitroaniline		0.281	0.313	0.307	0.278	0.340	0.309	7.6
Acenaphthene		1.151	1.142	1.140	1.082	1.134	1.141	2.6
2,4-Dinitrophenol			0.147	0.155	0.158	0.201	0.175	14.1
4-Nitrophenol		0.241	0.248	0.242	0.218	0.291	0.253	10.1
Dibenzofuran		1.874	1.881	1.869	1.730	1.878	1.858	3.1
2,4-Dinitrotoluene		0.378	0.433	0.428	0.407	0.506	0.441	10.0
Diethylphthalate		1.604	1.533	1.487	1.366	1.677	1.523	6.5
4-Chlorophenyl-phenylether		0.852	0.834	0.828	0.775	0.862	0.832	3.3
Fluorene		1.520	1.476	1.469	1.365	1.541	1.480	3.8
4-Nitroaniline		0.320	0.323	0.304	0.276	0.375	0.324	10.3
4,6-Dinitro-2-methylphenol		0.090	0.096	0.107	0.115	0.126	0.114	14.8
n-Nitrosodiphenylamine		0.574	0.597	0.603	0.604	0.572	0.599	3.9
Azobenzene		1.497	1.511	1.464	1.351	1.557	1.473	4.3
2,4,6-Tribromophenol		0.281	0.283	0.282	0.269	0.328	0.292	6.9
4-Bromophenyl-phenylether		0.237	0.245	0.254	0.256	0.243	0.250	4.3
Hexachlorobenzene		0.287	0.291	0.294	0.289	0.280	0.292	3.3
Atrazine		0.229	0.213	0.206	0.191	0.201	0.199	10.1
Pentachlorophenol		0.160	0.170	0.177	0.180	0.196	0.182	7.7
Phenanthrene		1.054	1.055	1.051	0.992	1.053	1.053	2.9
Anthracene		1.044	1.051	1.046	1.001	1.057	1.050	2.5
Carbazole		0.988	0.944	0.945	0.852	0.994	0.954	5.3
Di-n-butylphthalate		1.235	1.066	1.139	1.068	1.279	1.153	6.9
Fluoranthene		1.395	1.191	1.267	1.116	1.406	1.286	8.8
Benzidine		0.391	0.697	0.250	0.378	0.460	0.418	33.1
Pyrene		1.302	1.617	1.354	1.396	1.368	1.412	8.0
Terphenyl-d14		1.146	1.343	1.164	1.214	1.209	1.216	6.2
Butylbenzylphthalate		0.508	0.517	0.524	0.525	0.562	0.527	3.6
3,3-Dichlorobenzidine		0.519	0.488	0.521	0.494	0.524	0.513	3.3

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BP013124 SAS No.: BP013124 SDG No.: BP013124
Instrument ID: _____ Calibration Date(s): 1/31/2024 : _____
Calibration Time(s): 14:16 _____

LAB FILE ID:		RRF2.5 = BP019492.D			RRF005 = BP019493.D		RRF010 = BP019494.D	
		RRF020 = BP019495.D			RRF040 = BP019496.D		RRF050 = BP019497.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.416	1.401	1.413	1.341	1.416	1.408	2.3
Chrysene		1.336	1.325	1.348	1.271	1.333	1.337	2.6
Bis(2-ethylhexyl)phthalate		0.859	0.743	0.833	0.798	0.861	0.803	6.1
Di-n-octyl phthalate		1.480	1.234	1.502	1.419	1.492	1.412	6.6
Benzo(b)fluoranthene		1.291	1.201	1.236	1.227	1.284	1.261	3.1
Benzo(k)fluoranthene		1.196	1.204	1.218	1.131	1.243	1.204	3.1
Benzo(a)pyrene		1.105	1.105	1.111	1.074	1.140	1.122	2.8
Indeno(1,2,3-cd)pyrene		1.479	1.568	1.515	1.479	1.479	1.531	4.0
Dibenzo(a,h)anthracene		1.212	1.287	1.242	1.226	1.221	1.259	3.9
Benzo(g,h,i)perylene		1.223	1.346	1.262	1.239	1.213	1.277	4.9
1,2,4,5-Tetrachlorobenzene		0.783	0.724	0.780	0.735	0.742	0.771	5.0
1,4-Dioxane		0.522	0.477	0.493	0.420	0.493	0.478	6.5
2,3,4,6-Tetrachlorophenol		0.419	0.421	0.428	0.401	0.468	0.431	5.2
1-Methylnaphthalene		0.754	0.780	0.746	0.718	0.744	0.746	2.6

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.: BP022124 SAS No.: BP022124 SDG NO.: BP022124EPA Sample No.: SSTDICCC040 Date Analyzed: Feb 21 2024 12:00AMLab File ID: BP019496.D Time Analyzed: 10:35Instrument 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	111500	7.916	434544	10.72	271443	14.55
	UPPER LIMIT	223000	8.416	869088	11.216	542886	15.051
	LOWER LIMIT	55750	7.416	217272	10.216	135721.5	14.051
	EPA SAMPLE NO.						
01	PB159140BL	65710	7.89	232877	10.69	148319	14.53
02	PB159140BS	69824	7.89	242615	10.69	140214	14.53
03	PB159144BL	71307	7.89	251918	10.69	159565	14.53
04	PB159144BS	66859	7.89	249078	10.69	171562	14.53
05	PB159105TB	66761	7.89	242516	10.69	153271	14.53
06	PB159106TB	69583	7.89	244819	10.69	158445	14.53
07	20240763-COMPOSITE-39N-N-3-01	65695	7.89	234086	10.69	160572	14.53
08	20240764-COMPOSITE-39N-N-3-02	43907 *	7.89	158723 *	10.69	117070 *	14.53
09	20240765-COMPOSITE-39N-N-3-03	63357	7.89	230815	10.69	158855	14.53
10	20240765-COMPOSITE-39N-N-3-03M	73752	7.89	260119	10.69	170101	14.53
11	20240765-COMPOSITE-39N-N-3-03M	59086	7.89	225048	10.69	166007	14.53
12	BROAD-GENERAL	76439	7.89	252164	10.69	155069	14.53
13	4	70928	7.89	253173	10.69	174643	14.53
14	5	88604	7.89	319932	10.69	199763	14.53
15	6	74010	7.89	267008	10.69	180002	14.53
16	7	81437	7.89	314676	10.69	221023	14.53

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.: BP022124 SAS No.: BP022124 SDG NO.: BP022124EPA Sample No.: SSTDCCC040 Date Analyzed: Feb 21 2024 12:00AMLab File ID: BP019799.D Time Analyzed: 10:35Instrument 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	68784	7.899	258312	10.69	177386	14.53
	UPPER LIMIT	137568	8.399	516624	11.193	354772	15.028
	LOWER LIMIT	34392	7.399	129156	10.193	88693	14.028
	EPA SAMPLE NO.						
01	PB159140BL	65710	7.89	232877	10.69	148319	14.53
02	PB159140BS	69824	7.89	242615	10.69	140214	14.53
03	PB159144BL	71307	7.89	251918	10.69	159565	14.53
04	PB159144BS	66859	7.89	249078	10.69	171562	14.53
05	PB159105TB	66761	7.89	242516	10.69	153271	14.53
06	PB159106TB	69583	7.89	244819	10.69	158445	14.53
07	20240763-COMPOSITE-39N-N-3-01	65695	7.89	234086	10.69	160572	14.53
08	20240764-COMPOSITE-39N-N-3-02	43907	7.89	158723	10.69	117070	14.53
09	20240765-COMPOSITE-39N-N-3-03	63357	7.89	230815	10.69	158855	14.53
10	20240765-COMPOSITE-39N-N-3-03M	73752	7.89	260119	10.69	170101	14.53
11	20240765-COMPOSITE-39N-N-3-03M	59086	7.89	225048	10.69	166007	14.53
12	BROAD-GENERAL	76439	7.89	252164	10.69	155069	14.53
13	4	70928	7.89	253173	10.69	174643	14.53
14	5	88604	7.89	319932	10.69	199763	14.53
15	6	74010	7.89	267008	10.69	180002	14.53
16	7	81437	7.89	314676	10.69	221023	14.53

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BP022124 SAS No.: BP022124 SDG NO.: BP022124EPA Sample No.: SSTDICCC040Date Analyzed: Feb 21 2024 12:00AMLab File ID: BP019496.DTime Analyzed: 10:35Instrument ID: BNA_PGC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	502273	17.304	407972	21.392	504101	23.815
	UPPER LIMIT	1004546	17.804	815944	21.892	1008202	24.315
	LOWER LIMIT	251136.5	16.804	203986	20.892	252050.5	23.315
	EPA SAMPLE NO.						
01	PB159140BL	354037	17.29	366543	21.38	434446	23.80
02	PB159140BS	285914	17.29	245720	21.38	282208	23.80
03	PB159144BL	388730	17.29	432120	21.38	497111	23.80
04	PB159144BS	412244	17.29	426655	21.38	461962	23.79
05	PB159105TB	311350	17.29	248026	21.39	277496	23.80
06	PB159106TB	344397	17.29	371428	21.38	448305	23.80
07	20240763-COMPOSITE-39N-N-3	371095	17.29	453348	21.38	531065	23.79
08	20240764-COMPOSITE-39N-N-3	282182	17.29	320871	21.37	340783	23.79
09	20240765-COMPOSITE-39N-N-3	376939	17.29	395314	21.37	452645	23.79
10	20240765-COMPOSITE-39N-N-3	372111	17.29	405956	21.38	500514	23.79
11	20240765-COMPOSITE-39N-N-3	384377	17.29	416810	21.38	436272	23.79
12	BROAD-GENERAL	328999	17.29	399280	21.37	486202	23.79
13	4	424499	17.29	457732	21.38	522309	23.79
14	5	387875	17.29	363609	21.38	456227	23.79
15	6	411807	17.29	427437	21.38	487749	23.79
16	7	508275	17.29	514957	21.38	578836	23.79

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP022124 SAS No.: BP022124 SDG NO.: BP022124

EPA Sample No.: SSTDICCC040 Date Analyzed: Feb 21 2024 12:00AM

Lab File ID: BP019496.D Time Analyzed: 19:10

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	502273	17.304	407972	21.392	504101	23.815
UPPER LIMIT	1004546	17.804	815944	21.892	1008202	24.315
LOWER LIMIT	251136.5	16.804	203986	20.892	252050.5	23.315
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.



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP022124 SAS No.: BP022124 SDG NO.: BP022124

EPA Sample No.: SSTDCCC040

Date Analyzed: Feb 21 2024 12:00AM

Lab File ID: BP019799.D

Time Analyzed: 10:35

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	423975	17.287	436324	21.38	493876	23.792
UPPER LIMIT	847950	17.787	872648	21.88	987752	24.292
LOWER LIMIT	211987.5	16.787	218162	20.88	246938	23.292
EPA SAMPLE NO.						
01 PB159140BL	354037	17.29	366543	21.38	434446	23.80
02 PB159140BS	285914	17.29	245720	21.38	282208	23.80
03 PB159144BL	388730	17.29	432120	21.38	497111	23.80
04 PB159144BS	412244	17.29	426655	21.38	461962	23.79
05 PB159105TB	311350	17.29	248026	21.39	277496	23.80
06 PB159106TB	344397	17.29	371428	21.38	448305	23.80
07 20240763-COMPOSITE-39N-N-3	371095	17.29	453348	21.38	531065	23.79
08 20240764-COMPOSITE-39N-N-3	282182	17.29	320871	21.37	340783	23.79
09 20240765-COMPOSITE-39N-N-3	376939	17.29	395314	21.37	452645	23.79
10 20240765-COMPOSITE-39N-N-3	372111	17.29	405956	21.38	500514	23.79
11 20240765-COMPOSITE-39N-N-3	384377	17.29	416810	21.38	436272	23.79
12 BROAD-GENERAL	328999	17.29	399280	21.37	486202	23.79
13 4	424499	17.29	457732	21.38	522309	23.79
14 5	387875	17.29	363609	21.38	456227	23.79
15 6	411807	17.29	427437	21.38	487749	23.79
16 7	508275	17.29	514957	21.38	578836	23.79

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP022124 SAS No.: BP022124 SDG NO.: BP022124

EPA Sample No.: SSTDCCC040 Date Analyzed: Feb 21 2024 12:00AM

Lab File ID: BP019799.D Time Analyzed: 19:10

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	423975	17.287	436324	21.38	493876	23.792
UPPER LIMIT	847950	17.787	872648	21.88	987752	24.292
LOWER LIMIT	211987.5	16.787	218162	20.88	246938	23.292
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.: BP022124

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB159140BS	n-Nitrosodimethylamine	1700	1500	ug/Kg	88				57	103		
	Pyridine	1700	1100	ug/Kg	65				28	98		
	Benzaldehyde	1700	890	ug/Kg	52				10	147		
	Aniline	1700	870	ug/Kg	51				38	100		
	Phenol	1700	1400	ug/Kg	82				62	112		
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101		
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112		
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88				51	102		
	1,3-Dichlorobenzene	1700	1400	ug/Kg	82				52	99		
	1,4-Dichlorobenzene	1700	1500	ug/Kg	88				52	100		
	Benzyl Alcohol	1700	1400	ug/Kg	82				42	116		
	2-Methylphenol	1700	1300	ug/Kg	76				61	108		
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100		
	Acetophenone	1700	1500	ug/Kg	88				55	104		
	3+4-Methylphenols	1700	1300	ug/Kg	76				58	111		
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				63	95		
	Hexachloroethane	1700	1400	ug/Kg	82				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	1600	ug/Kg	94				67	119		
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				53	105		
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107		
	1,2,4-Trichlorobenzene	1700	1500	ug/Kg	88				44	110		
	Benzoic acid	1700	1400	ug/Kg	82				10	140		
	Naphthalene	1700	1400	ug/Kg	82				62	100		
	4-Chloroaniline	1700	360	ug/Kg	21				16	100		
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98		
	Caprolactam	1700	1400	ug/Kg	82				67	110		
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112		
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104		
	Hexachlorocyclopentadiene	3300	4400	ug/Kg	133				45	134		
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102		
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98		
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103		
	2-Chloronaphthalene	1700	1500	ug/Kg	88				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	1100	ug/Kg	65				28	100		
	Acenaphthene	1700	1500	ug/Kg	88				57	104		
	Total PAH	27200	25000	ug/Kg	92				57	104		
	2,4-Dinitrophenol	3300	3300	ug/Kg	100				37	128		
	4-Nitrophenol	3300	2700	ug/Kg	82				48	119		
	Dibenzofuran	1700	1500	ug/Kg	88				63	99		



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

SDG No.: BP022124

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB159140BS	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	2,4-Dinitrotoluene/2,6-Dinitro	3400	3000	ug/Kg	88				60	106	
	Diethylphthalate	1700	1400	ug/Kg	82				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1300	ug/Kg	76				64	103	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				56	107	
	Azobenzene	1700	1400	ug/Kg	82				54	103	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				55	99	
	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	1700	ug/Kg	100				67	113	
	Pentachlorophenol	3300	3200	ug/Kg	97				67	105	
	Phenanthrene	1700	1600	ug/Kg	94				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1400	ug/Kg	82				61	99	
	Di-n-butylphthalate	1700	1400	ug/Kg	82				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Benzidine	3300	1400	ug/Kg	42				10	98	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				55	103	
	3,3-Dichlorobenzidine	1700	1400	ug/Kg	82				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1400	ug/Kg	82				63	111	
	Di-n-octyl phthalate	1700	1300	ug/Kg	76				70	108	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				63	101	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1700	ug/Kg	100				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1700	ug/Kg	100				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	



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

SDG No.: BP022124

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB159144BS	n-Nitrosodimethylamine	50	40.9	ug/L	82				55	108		
	Pyridine	50	32.3	ug/L	65				29	97		
	Benzaldehyde	50	25	ug/L	50				15	121		
	Aniline	50	24.5	ug/L	49				10	130		
	Phenol	50	43.3	ug/L	87				66	118		
	bis(2-Chloroethyl)ether	50	41	ug/L	82				62	103		
	2-Chlorophenol	50	44.3	ug/L	89				70	117		
	1,2-Dichlorobenzene	50	40.9	ug/L	82				72	102		
	1,3-Dichlorobenzene	50	40.9	ug/L	82				71	103		
	1,4-Dichlorobenzene	50	41.5	ug/L	83				76	103		
	Benzyl Alcohol	50	43.2	ug/L	86				36	93		
	2-Methylphenol	50	43.2	ug/L	86				69	109		
	2,2-oxybis(1-Chloropropane)	50	40.6	ug/L	81				52	103		
	Acetophenone	50	40.9	ug/L	82				60	104		
	3+4-Methylphenols	50	42.5	ug/L	85				67	106		
	N-Nitroso-di-n-propylamine	50	39.9	ug/L	80				57	107		
	Hexachloroethane	50	40.1	ug/L	80				76	118		
	Nitrobenzene	50	39.9	ug/L	80				58	106		
	Isophorone	50	41.2	ug/L	82				61	102		
	2-Nitrophenol	50	46.4	ug/L	93				70	115		
	2,4-Dimethylphenol	50	50.8	ug/L	102				67	130		
	bis(2-Chloroethoxy)methane	50	41.5	ug/L	83				58	109		
	2,4-Dichlorophenol	50	45.9	ug/L	92				66	115		
	1,2,4-Trichlorobenzene	50	42.3	ug/L	85				41	115		
	Benzoic acid	50	49.7	ug/L	99				10	125		
	Naphthalene	50	41.2	ug/L	82				64	107		
	4-Chloroaniline	50	14	ug/L	28				10	85		
	Hexachlorobutadiene	50	41.9	ug/L	84				69	101		
	Caprolactam	50	50.3	ug/L	101				58	128		
	4-Chloro-3-methylphenol	50	46.5	ug/L	93				65	114		
	2-Methylnaphthalene	50	42.4	ug/L	85				64	107		
	Hexachlorocyclopentadiene	100	110	ug/L	110				36	160		
	2,4,6-Trichlorophenol	50	45.1	ug/L	90				61	110		
	2,4,5-Trichlorophenol	50	45.7	ug/L	91				70	106		
	1,1-Biphenyl	50	40.4	ug/L	81				72	98		
	2-Chloronaphthalene	50	39.5	ug/L	79				59	106		
	2-Nitroaniline	50	44.9	ug/L	90				58	107		
	Dimethylphthalate	50	44.8	ug/L	90				64	103		
	Acenaphthylene	50	45.7	ug/L	91				65	108		
	2,6-Dinitrotoluene	50	45.1	ug/L	90				64	110		
	3-Nitroaniline	50	31.4	ug/L	63				28	100		
	Acenaphthene	50	41.2	ug/L	82				59	113		
	Total PAH	800	702	ug/L	88				59	113		
	2,4-Dinitrophenol	100	120	ug/L	120				64	132		
	4-Nitrophenol	100	99.3	ug/L	99				68	116		
	Dibenzofuran	50	43.6	ug/L	87				65	106		



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

SDG No.: BP022124

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159144BS	2,4-Dinitrotoluene	50	50.1	ug/L	100				60	115	
	2,4-Dinitrotoluene/2,6-Dinitro	100	95.2	ug/L	95				60	115	
	Diethylphthalate	50	45.3	ug/L	91				63	105	
	4-Chlorophenyl-phenylether	50	45.3	ug/L	91				61	104	
	Fluorene	50	44.9	ug/L	90				64	107	
	4-Nitroaniline	50	46.6	ug/L	93				69	112	
	4,6-Dinitro-2-methylphenol	50	51.5	ug/L	103				62	132	
	N-Nitrosodiphenylamine	50	40.9	ug/L	82				61	109	
	Azobenzene	50	43.1	ug/L	86				59	106	
	4-Bromophenyl-phenylether	50	42.8	ug/L	86				73	103	
	Hexachlorobenzene	50	42.5	ug/L	85				73	106	
	Atrazine	50	48.3	ug/L	97				76	120	
	Pentachlorophenol	100	96.8	ug/L	97				47	114	
	Phenanthrene	50	43.3	ug/L	87				62	109	
	Anthracene	50	43.9	ug/L	88				65	110	
	Carbazole	50	44.4	ug/L	89				62	106	
	Di-n-butylphthalate	50	43.8	ug/L	88				64	106	
	Fluoranthene	50	46.2	ug/L	92				64	110	
	Benzidine	100	44.8	ug/L	45				10	94	
	Pyrene	50	42.2	ug/L	84				71	103	
	Butylbenzylphthalate	50	43.1	ug/L	86				61	105	
	3,3-Dichlorobenzidine	50	37.4	ug/L	75				43	108	
	Benzo(a)anthracene	50	43.9	ug/L	88				62	107	
	Chrysene	50	43.2	ug/L	86				61	108	
	bis(2-Ethylhexyl)phthalate	50	40.3	ug/L	81				59	110	
	Di-n-octyl phthalate	50	39	ug/L	78				67	126	
	Benzo(b)fluoranthene	50	45.5	ug/L	91				77	113	
	Benzo(k)fluoranthene	50	45.3	ug/L	91				64	113	
	Benzo(a)pyrene	50	45.8	ug/L	92				72	131	
	Indeno(1,2,3-cd)pyrene	50	44.2	ug/L	88				72	105	
	Dibenz(a,h)anthracene	50	44.2	ug/L	88				78	115	
	Benzo(g,h,i)perylene	50	41.3	ug/L	83				75	118	
	1,2,4,5-Tetrachlorobenzene	50	42.8	ug/L	86				72	101	
	1,4-Dioxane	50	32.5	ug/L	65				38	125	
	2,3,4,6-Tetrachlorophenol	50	52.3	ug/L	105				63	116	
	1-Methylnaphthalene	50	41.3	ug/L	83				51	114	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159140BL

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BP022124

SAS No.: BP022124 SDG NO.: BP022124

Lab File ID: BP019800.D

Lab Sample ID: PB159140BL

Instrument ID: BNA_P

Date Extracted: 02/20/2024

Matrix: (soil/water) Solid

Date Analyzed: 02/21/2024

Level: (low/med) LOW

Time Analyzed: 10:35

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159140BS	PB159140BS	BP019801.D	02/21/2024
20240763-COMPOSITE-39N-N-3-01	P1523-01	BP019806.D	02/21/2024
20240764-COMPOSITE-39N-N-3-02	P1523-02	BP019807.D	02/21/2024
20240765-COMPOSITE-39N-N-3-03	P1523-03	BP019808.D	02/21/2024
20240765-COMPOSITE-39N-N-3-03MS	P1523-04MS	BP019809.D	02/21/2024
20240765-COMPOSITE-39N-N-3-03MSD	P1523-05MSD	BP019810.D	02/21/2024

COMMENTS:



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159144BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP022124SAS No.: BP022124 SDG NO.: BP022124Lab File ID: BP019802.DLab Sample ID: PB159144BLInstrument ID: BNA_PDate Extracted: 02/19/2024Matrix: (soil/water) waterDate Analyzed: 02/21/2024Level: (low/med) LOWTime Analyzed: 11:43

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159144BS	PB159144BS	BP019803.D	02/21/2024
PB159105TB	PB159105TB	BP019804.D	02/21/2024
PB159106TB	PB159106TB	BP019805.D	02/21/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BROAD-GENERAL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP022124SAS No.: BP022124 SDG NO.: BP022124Lab File ID: BP019811.DLab Sample ID: P1530-01Instrument ID: BNA_PDate Extracted: 02/21/2024Matrix: (soil/water) SolidDate Analyzed: 02/21/2024Level: (low/med) LOWTime Analyzed: 16:54

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BROAD-GENERAL	P1530-01	BP019811.D	02/21/2024
4	P1537-04	BP019812.D	02/21/2024
5	P1537-05	BP019813.D	02/21/2024
6	P1537-06	BP019814.D	02/21/2024
7	P1537-07	BP019815.D	02/21/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BP022124

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Low	Limits	
		Result				Qual		Qual		High	RPD
Lab Sample ID:	P1523-04MS	Client Sample ID:	20240765-COMPOSITE-39N-N-3-03M				DataFile:	BP019809.D			
n-Nitrosodimethylamine	5200		4400	ug/Kg	85				66	124	
Pyridine	5200		3700	ug/Kg	71				45	119	
Benzaldehyde	5200		920	ug/Kg	18	*			26	163	
Aniline	5200		2900	ug/Kg	56				10	88	
Phenol	5200		4200	ug/Kg	81				67	126	
bis(2-Chloroethyl)ether	5200		4200	ug/Kg	81				74	116	
2-Chlorophenol	5200		4400	ug/Kg	85				61	138	
1,2-Dichlorobenzene	5200		4200	ug/Kg	81				61	105	
1,3-Dichlorobenzene	5200		4200	ug/Kg	81				62	101	
1,4-Dichlorobenzene	5200		4300	ug/Kg	83				63	104	
Benzyl Alcohol	5200		4200	ug/Kg	81				47	126	
2-Methylphenol	5200		4000	ug/Kg	77				66	122	
2,2-oxybis(1-Chloropropane)	5200		4100	ug/Kg	79				52	115	
Acetophenone	5200		4400	ug/Kg	85				75	111	
3+4-Methylphenols	5200		4000	ug/Kg	77				53	132	
N-Nitroso-di-n-propylamine	5200		4000	ug/Kg	77				59	119	
Hexachloroethane	5200		4200	ug/Kg	81				65	117	
Nitrobenzene	5200		4100	ug/Kg	79				70	119	
Isophorone	5200		4200	ug/Kg	81				76	122	
2-Nitrophenol	5200		4900	ug/Kg	94				54	145	
2,4-Dimethylphenol	5200		4200	ug/Kg	81	*			83	144	
bis(2-Chloroethoxy)methane	5200		4200	ug/Kg	81				68	112	
2,4-Dichlorophenol	5200		4600	ug/Kg	88				72	118	
1,2,4-Trichlorobenzene	5200		4600	ug/Kg	88				57	103	
Benzoic acid	5200		4800	ug/Kg	92				50	104	
Naphthalene	5200		4300	ug/Kg	83				72	110	
4-Chloroaniline	5200		1600	ug/Kg	31				10	100	
Hexachlorobutadiene	5200		4600	ug/Kg	88				66	114	
Caprolactam	5200		4600	ug/Kg	88				51	134	
4-Chloro-3-methylphenol	5200		4400	ug/Kg	85				57	132	
2-Methylnaphthalene	5200		4300	ug/Kg	83				59	123	
Hexachlorocyclopentadiene	10500		12200	ug/Kg	116				10	175	
2,4,6-Trichlorophenol	5200		4700	ug/Kg	90				72	117	
2,4,5-Trichlorophenol	5200		4500	ug/Kg	87				72	117	
1,1-Biphenyl	5200		4300	ug/Kg	83				75	113	
2-Chloronaphthalene	5200		4200	ug/Kg	81				67	118	
2-Nitroaniline	5200		4500	ug/Kg	87				69	127	
Dimethylphthalate	5200		4500	ug/Kg	87				70	113	
Acenaphthylene	5200		4600	ug/Kg	88				79	118	
2,6-Dinitrotoluene	5200		4500	ug/Kg	87				70	125	
3-Nitroaniline	5200		3600	ug/Kg	69				20	111	
Acenaphthene	5200		4200	ug/Kg	81				70	121	
Total PAH	83200		72100	ug/Kg	87				70	121	
2,4-Dinitrophenol	10500		10800	ug/Kg	103				16	160	
4-Nitrophenol	10500		9200	ug/Kg	88				45	133	
Dibenzofuran	5200		4500	ug/Kg	87				72	110	
2,4-Dinitrotoluene	5200		4800	ug/Kg	92				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BP022124

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	10400		9300	ug/Kg	89				55	128	
Diethylphthalate	5200		4500	ug/Kg	87				70	112	
4-Chlorophenyl-phenylether	5200		4600	ug/Kg	88				71	108	
Fluorene	5200		4500	ug/Kg	87				68	116	
4-Nitroaniline	5200		4200	ug/Kg	81				55	120	
4,6-Dinitro-2-methylphenol	5200		5100	ug/Kg	98				32	145	
N-Nitrosodiphenylamine	5200		4300	ug/Kg	83				73	118	
Azobenzene	5200		4300	ug/Kg	83				73	110	
4-Bromophenyl-phenylether	5200		4700	ug/Kg	90				65	121	
Hexachlorobenzene	5200		4600	ug/Kg	88				67	118	
Atrazine	5200		5500	ug/Kg	106				79	127	
Pentachlorophenol	10500		9400	ug/Kg	90				47	128	
Phenanthrene	5200		4600	ug/Kg	88				72	113	
Anthracene	5200		4700	ug/Kg	90				62	124	
Carbazole	5200		4500	ug/Kg	87				59	119	
Di-n-butylphthalate	5200		4600	ug/Kg	88				69	118	
Fluoranthene	5200		4800	ug/Kg	92				59	125	
Benzidine	10500		1800	ug/Kg	17				10	119	
Pyrene	5200		4200	ug/Kg	81				52	128	
Butylbenzylphthalate	5200		4400	ug/Kg	85				64	126	
3,3-Dichlorobenzidine	5200		4000	ug/Kg	77				10	164	
Benzo(a)anthracene	5200		4600	ug/Kg	88				71	114	
Chrysene	5200		4500	ug/Kg	87				57	121	
bis(2-Ethylhexyl)phthalate	5200		4200	ug/Kg	81				66	127	
Di-n-octyl phthalate	5200		4200	ug/Kg	81				71	126	
Benzo(b)fluoranthene	5200		4500	ug/Kg	87				67	121	
Benzo(k)fluoranthene	5200		4600	ug/Kg	88				74	114	
Benzo(a)pyrene	5200		4600	ug/Kg	88				70	142	
Indeno(1,2,3-cd)pyrene	5200		4500	ug/Kg	87				61	125	
Dibenz(a,h)anthracene	5200		4600	ug/Kg	88				67	130	
Benzo(g,h,i)perylene	5200		4300	ug/Kg	83				53	140	
1,2,4,5-Tetrachlorobenzene	5200		4700	ug/Kg	90				69	124	
1,4-Dioxane	5200		3800	ug/Kg	73				46	112	
2,3,4,6-Tetrachlorophenol	5200		5200	ug/Kg	100				56	133	
1-Methylnaphthalene	5200		4200	ug/Kg	81				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BP022124

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P1523-05MSD		Client Sample ID: 20240765-COMPOSITE-39N-N-3-03M		DataFile: BP019810.D							
n-Nitrosodimethylamine	5300		4400	ug/Kg	83		2		66	124	20
Pyridine	5300		3600	ug/Kg	68		4		45	119	20
Benzaldehyde	5300		960	ug/Kg	18	*	0		26	163	20
Aniline	5300		3200	ug/Kg	60		7		10	88	20
Phenol	5300		4700	ug/Kg	89		9		67	126	20
bis(2-Chloroethyl)ether	5300		4400	ug/Kg	83		2		74	116	20
2-Chlorophenol	5300		4700	ug/Kg	89		5		61	138	20
1,2-Dichlorobenzene	5300		4300	ug/Kg	81		0		61	105	20
1,3-Dichlorobenzene	5300		4300	ug/Kg	81		0		62	101	20
1,4-Dichlorobenzene	5300		4400	ug/Kg	83		0		63	104	20
Benzyl Alcohol	5300		4800	ug/Kg	91		12		47	126	20
2-Methylphenol	5300		4600	ug/Kg	87		12		66	122	20
2,2-oxybis(1-Chloropropane)	5300		4300	ug/Kg	81		3		52	115	20
Acetophenone	5300		4400	ug/Kg	83		2		75	111	20
3+4-Methylphenols	5300		4700	ug/Kg	89		14		53	132	20
N-Nitroso-di-n-propylamine	5300		4400	ug/Kg	83		8		59	119	20
Hexachloroethane	5300		4300	ug/Kg	81		0		65	117	20
Nitrobenzene	5300		4200	ug/Kg	79		0		70	119	20
Isophorone	5300		4500	ug/Kg	85		5		76	122	20
2-Nitrophenol	5300		5100	ug/Kg	96		2		54	145	20
2,4-Dimethylphenol	5300		4600	ug/Kg	87		7		83	144	20
bis(2-Chloroethoxy)methane	5300		4400	ug/Kg	83		2		68	112	20
2,4-Dichlorophenol	5300		5000	ug/Kg	94		7		72	118	20
1,2,4-Trichlorobenzene	5300		4600	ug/Kg	87		1		57	103	20
Benzoic acid	5300		5500	ug/Kg	104		12		50	104	20
Naphthalene	5300		4400	ug/Kg	83		0		72	110	20
4-Chloroaniline	5300		2000	ug/Kg	38		20		10	100	20
Hexachlorobutadiene	5300		4500	ug/Kg	85		3		66	114	20
Caprolactam	5300		5400	ug/Kg	102		15		51	134	20
4-Chloro-3-methylphenol	5300		5100	ug/Kg	96		12		57	132	20
2-Methylnaphthalene	5300		4600	ug/Kg	87		5		59	123	20
Hexachlorocyclopentadiene	10500		10500	ug/Kg	100		15		10	175	20
2,4,6-Trichlorophenol	5300		4700	ug/Kg	89		1		72	117	20
2,4,5-Trichlorophenol	5300		4700	ug/Kg	89		2		72	117	20
1,1-Biphenyl	5300		4200	ug/Kg	79		5		75	113	20
2-Chloronaphthalene	5300		4100	ug/Kg	77		5		67	118	20
2-Nitroaniline	5300		4600	ug/Kg	87		0		69	127	20
Dimethylphthalate	5300		4600	ug/Kg	87		0		70	113	20
Acenaphthylene	5300		4700	ug/Kg	89		1		79	118	20
2,6-Dinitrotoluene	5300		4500	ug/Kg	85		2		70	125	20
3-Nitroaniline	5300		3800	ug/Kg	72		4		20	111	20
Acenaphthene	5300		4300	ug/Kg	81		0		70	121	20
Total PAH	84800		72800	ug/Kg	86		1		70	121	20
2,4-Dinitrophenol	10500		11300	ug/Kg	108		5		16	160	20
4-Nitrophenol	10500		10000	ug/Kg	95		8		45	133	20
Dibenzofuran	5300		4600	ug/Kg	87		0		72	110	20
2,4-Dinitrotoluene	5300		5100	ug/Kg	96		4		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BP022124

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	10600		9600	ug/Kg	91		2		55	128	20
Diethylphthalate	5300		4700	ug/Kg	89		2		70	112	20
4-Chlorophenyl-phenylether	5300		4700	ug/Kg	89		1		71	108	20
Fluorene	5300		4700	ug/Kg	89		2		68	116	20
4-Nitroaniline	5300		4600	ug/Kg	87		7		55	120	20
4,6-Dinitro-2-methylphenol	5300		5300	ug/Kg	100		2		32	145	20
N-Nitrosodiphenylamine	5300		4300	ug/Kg	81		2		73	118	20
Azobenzene	5300		4500	ug/Kg	85		2		73	110	20
4-Bromophenyl-phenylether	5300		4600	ug/Kg	87		3		65	121	20
Hexachlorobenzene	5300		4600	ug/Kg	87		1		67	118	20
Atrazine	5300		5600	ug/Kg	106		0		79	127	20
Pentachlorophenol	10500		9500	ug/Kg	90		0		47	128	20
Phenanthrene	5300		4700	ug/Kg	89		1		72	113	20
Anthracene	5300		4700	ug/Kg	89		1		62	124	20
Carbazole	5300		4700	ug/Kg	89		2		59	119	20
Di-n-butylphthalate	5300		4700	ug/Kg	89		1		69	118	20
Fluoranthene	5300		5000	ug/Kg	94		2		59	125	20
Benzidine	10500		1900	ug/Kg	18		6		10	119	20
Pyrene	5300		4300	ug/Kg	81		0		52	128	20
Butylbenzylphthalate	5300		4500	ug/Kg	85		0		64	126	20
3,3-Dichlorobenzidine	5300		4000	ug/Kg	75		3		10	164	20
Benzo(a)anthracene	5300		4600	ug/Kg	87		1		71	114	20
Chrysene	5300		4600	ug/Kg	87		0		57	121	20
bis(2-Ethylhexyl)phthalate	5300		4400	ug/Kg	83		2		66	127	20
Di-n-octyl phthalate	5300		4300	ug/Kg	81		0		71	126	20
Benzo(b)fluoranthene	5300		4700	ug/Kg	89		2		67	121	20
Benzo(k)fluoranthene	5300		4800	ug/Kg	91		3		74	114	20
Benzo(a)pyrene	5300		4700	ug/Kg	89		1		70	142	20
Indeno(1,2,3-cd)pyrene	5300		4300	ug/Kg	81		7		61	125	20
Dibenz(a,h)anthracene	5300		4300	ug/Kg	81		8		67	130	20
Benzo(g,h,i)perylene	5300		4000	ug/Kg	75		10		53	140	20
1,2,4,5-Tetrachlorobenzene	5300		4400	ug/Kg	83		8		69	124	20
1,4-Dioxane	5300		3600	ug/Kg	68		7		46	112	20
2,3,4,6-Tetrachlorophenol	5300		5400	ug/Kg	102		2		56	133	20
1-Methylnaphthalene	5300		4500	ug/Kg	85		5		70	130	20

Surrogate Summary

SW-846

SDG No.: BP022124

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1523-01	20240763-COMPO:BP019806.D		2-Fluorophenol	150	86.86	58		18	112
			Phenol-d6	150	82.34	55		15	107
			Nitrobenzene-d5	100	57.23	57		18	107
			2-Fluorobiphenyl	100	45.77	46		20	109
			2,4,6-Tribromophenol	150	105.25	70		10	110
			Terphenyl-d14	100	41.55	42		14	112
P1523-02	20240764-COMPO:BP019807.D		2-Fluorophenol	150	81.64	54		18	112
			Phenol-d6	150	80.46	54		15	107
			Nitrobenzene-d5	100	55.90	56		18	107
			2-Fluorobiphenyl	100	40.36	40		20	109
			2,4,6-Tribromophenol	150	95.14	63		10	110
			Terphenyl-d14	100	33.95	34		14	112
P1523-03	20240765-COMPO:BP019808.D		2-Fluorophenol	150	85.69	57		18	112
			Phenol-d6	150	84.32	56		15	107
			Nitrobenzene-d5	100	60.16	60		18	107
			2-Fluorobiphenyl	100	50.82	51		20	109
			2,4,6-Tribromophenol	150	93.98	63		10	110
			Terphenyl-d14	100	47.16	47		14	112
P1523-04MS	20240765-COMPO:BP019809.D		2-Fluorophenol	150	93.95	63		18	112
			Phenol-d6	150	86.89	58		15	107
			Nitrobenzene-d5	100	62.78	63		18	107
			2-Fluorobiphenyl	100	54.48	54		20	109
			2,4,6-Tribromophenol	150	113.50	76		10	110
			Terphenyl-d14	100	47.47	47		14	112
P1523-05MSD	20240765-COMPO:BP019810.D		2-Fluorophenol	150	99.87	67		18	112
			Phenol-d6	150	98.73	66		15	107
			Nitrobenzene-d5	100	62.71	63		18	107
			2-Fluorobiphenyl	100	53.06	53		20	109
			2,4,6-Tribromophenol	150	120.06	80		10	110
			Terphenyl-d14	100	50.03	50		14	112
PB159140BL	PB159140BL	BP019800.D	2-Fluorophenol	150	119.46	80		18	112
			Phenol-d6	150	108.27	72		15	107
			Nitrobenzene-d5	100	77.12	77		18	107
			2-Fluorobiphenyl	100	78.69	79		20	109
			2,4,6-Tribromophenol	150	152.74	102		10	110
			Terphenyl-d14	100	84.93	85		14	112
PB159140BS	PB159140BS	BP019801.D	2-Fluorophenol	150	129.45	86		18	112
			Phenol-d6	150	116.87	78		15	107
			Nitrobenzene-d5	100	85.16	85		18	107
			2-Fluorobiphenyl	100	89.15	89		20	109
			2,4,6-Tribromophenol	150	149.25	99		10	110
			Terphenyl-d14	100	95.49	95		14	112



Surrogate Summary

SW-846

SDG No.: BP022124

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB159105TB	PB159105TB	BP019804.D	2-Fluorophenol	150	133.08	89		10	139
			Phenol-d6	150	120.90	81		10	134
			Nitrobenzene-d5	100	83.96	84		49	133
			2-Fluorobiphenyl	100	84.76	85		52	132
			2,4,6-Tribromophenol	150	142.07	95		32	145
			Terphenyl-d14	100	99.23	99		36	145
PB159106TB	PB159106TB	BP019805.D	2-Fluorophenol	150	128.10	85		10	139
			Phenol-d6	150	114.88	77		10	134
			Nitrobenzene-d5	100	83.41	83		49	133
			2-Fluorobiphenyl	100	82.79	83		52	132
			2,4,6-Tribromophenol	150	151.67	101		32	145
			Terphenyl-d14	100	88.11	88		36	145
PB159144BL	PB159144BL	BP019802.D	2-Fluorophenol	150	119.71	80		10	139
			Phenol-d6	150	108.46	72		10	134
			Nitrobenzene-d5	100	78.38	78		49	133
			2-Fluorobiphenyl	100	80.53	81		52	132
			2,4,6-Tribromophenol	150	156.08	104		32	145
			Terphenyl-d14	100	82.23	82		36	145
PB159144BS	PB159144BS	BP019803.D	2-Fluorophenol	150	126.57	84		10	139
			Phenol-d6	150	120.98	81		10	134
			Nitrobenzene-d5	100	79.65	80		49	133
			2-Fluorobiphenyl	100	78.35	78		52	132
			2,4,6-Tribromophenol	150	160.56	107		32	145
			Terphenyl-d14	100	85.73	86		36	145

Surrogate Summary

SW-846

SDG No.: BP022124

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1530-01	BROAD-GENERA	BP019811.D	2-Fluorophenol	150	65.80	44		18	112
			Phenol-d6	150	57.76	39		15	107
			Nitrobenzene-d5	100	45.43	45		18	107
			2-Fluorobiphenyl	100	40.90	41		20	109
			2,4,6-Tribromophenol	150	77.59	52		10	110
			Terphenyl-d14	100	33.41	33		14	112
P1537-04	4	BP019812.D	2-Fluorophenol	150	78.19	52		18	112
			Phenol-d6	150	72.44	48		15	107
			Nitrobenzene-d5	100	52.94	53		18	107
			2-Fluorobiphenyl	100	52.27	52		20	109
			2,4,6-Tribromophenol	150	110.74	74		10	110
			Terphenyl-d14	100	54.98	55		14	112
P1537-05	5	BP019813.D	2-Fluorophenol	150	72.73	48		18	112
			Phenol-d6	150	68.34	46		15	107
			Nitrobenzene-d5	100	48.43	48		18	107
			2-Fluorobiphenyl	100	47.94	48		20	109
			2,4,6-Tribromophenol	150	81.83	55		10	110
			Terphenyl-d14	100	47.72	48		14	112
P1537-06	6	BP019814.D	2-Fluorophenol	150	80.56	54		18	112
			Phenol-d6	150	77.31	52		15	107
			Nitrobenzene-d5	100	53.09	53		18	107
			2-Fluorobiphenyl	100	51.65	52		20	109
			2,4,6-Tribromophenol	150	105.37	70		10	110
			Terphenyl-d14	100	54.22	54		14	112
P1537-07	7	BP019815.D	2-Fluorophenol	150	85.20	57		18	112
			Phenol-d6	150	80.76	54		15	107
			Nitrobenzene-d5	100	54.28	54		18	107
			2-Fluorobiphenyl	100	53.65	54		20	109
			2,4,6-Tribromophenol	150	109.62	73		10	110
			Terphenyl-d14	100	59.92	60		14	112



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BP022124Lab Code: CHEMSAS No.: BP022124 SDG NO.: BP022124Lab File ID: BP019798.DDFTPP Injection Date: 02/21/2024Instrument ID: BNA_PDFTPP Injection Time: 09:25

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.9
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	34.4
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	39.5
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 60.0% of mass 198	29.8
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	14.1
442	Greater than 50% of mass 198	91
443	15.0 - 24.0% of mass 442	18.2 (20) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP019799.D	02/21/2024	09:59
PB159140BL	PB159140BL	BP019800.D	02/21/2024	10:35
PB159140BS	PB159140BS	BP019801.D	02/21/2024	11:09
PB159144BL	PB159144BL	BP019802.D	02/21/2024	11:43
PB159144BS	PB159144BS	BP019803.D	02/21/2024	12:17
PB159105TB	PB159105TB	BP019804.D	02/21/2024	12:51
PB159106TB	PB159106TB	BP019805.D	02/21/2024	13:25
20240763-COMPOSITE-39N-N-3-01	P1523-01	BP019806.D	02/21/2024	14:05
20240764-COMPOSITE-39N-N-3-02	P1523-02	BP019807.D	02/21/2024	14:39
20240765-COMPOSITE-39N-N-3-03	P1523-03	BP019808.D	02/21/2024	15:13
20240765-COMPOSITE-39N-N-3-03MS	P1523-04MS	BP019809.D	02/21/2024	15:47
20240765-COMPOSITE-39N-N-3-03MSL	P1523-05MSD	BP019810.D	02/21/2024	16:20
BROAD-GENERAL	P1530-01	BP019811.D	02/21/2024	16:54
4	P1537-04	BP019812.D	02/21/2024	17:28
5	P1537-05	BP019813.D	02/21/2024	18:02
6	P1537-06	BP019814.D	02/21/2024	18:36
7	P1537-07	BP019815.D	02/21/2024	19:10