

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BF030824 SAS No.: BF030824 SDG No.: BF030824
 Instrument ID: BNA_F Calibration Date/Time: 3/8/2024 12:13:05
 Lab File ID: BF137539.D Init. Calib. Date(s): _____
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.652	0.699		7.209	
Pyridine	1.741	1.816		4.308	
2-Fluorophenol	1.321	1.321		0.0	
Benzaldehyde	0.934	0.983		5.246	
Aniline	2.329	2.351		0.945	
Phenol-d6	1.906	1.849		-2.991	
Phenol	2.052	2.012		-1.949	20.0
bis(2-Chloroethyl)ether	1.503	1.460		-2.861	
2-Chlorophenol	1.393	1.370		-1.651	
1,2-Dichlorobenzene	1.398	1.349		-3.505	
1,3-Dichlorobenzene	1.488	1.471		-1.142	
1,4-Dichlorobenzene	1.523	1.502		-1.379	20.0
Benzyl Alcohol	1.187	1.182		-0.421	
2-Methylphenol	1.303	1.294		-0.691	
2,2-oxybis(1-Chloropropane)	2.584	2.419		-6.385	
Acetophenone	0.484	0.464		-4.132	
3+4-Methylphenols	1.493	1.425		-4.555	
n-Nitroso-di-n-propylamine	1.177	1.090	0.050	-7.392	
Nitrobenzene-d5	0.430	0.421		-2.093	
Hexachloroethane	0.501	0.503		0.399	
Nitrobenzene	0.432	0.432		0.0	
Isophorone	0.818	0.798		-2.445	
2-Nitrophenol	0.172	0.190		10.465	20.0
2,4-Dimethylphenol	0.321	0.322		0.312	
bis(2-Chloroethoxy)methane	0.480	0.473		-1.458	
2,4-Dichlorophenol	0.294	0.304		3.401	20.0
1,2,4-Trichlorobenzene	0.310	0.307		-0.968	
Benzoic acid	0.167	0.177		5.988	
Naphthalene	1.073	1.030		-4.007	
4-Chloroaniline	0.421	0.435		3.325	
Hexachlorobutadiene	0.183	0.182		-0.546	20.0
Caprolactam	0.100	0.107		7.0	
4-Chloro-3-methylphenol	0.329	0.330		0.304	20.0
2-Methylnaphthalene	0.684	0.659		-3.655	
Hexachlorocyclopentadiene	0.180	0.322	0.050	78.889	
2,4,6-Trichlorophenol	0.364	0.370		1.648	20.0
2-Fluorobiphenyl	1.278	1.153		-9.781	
2,4,5-Trichlorophenol	0.419	0.438		4.535	
1,1-Biphenyl	1.464	1.386		-5.328	
2-Chloronaphthalene	1.116	1.074		-3.763	
2-Nitroaniline	0.379	0.413		8.971	

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GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.392	1.364		-2.011	
Acenaphthylene	1.786	1.689		-5.431	
2,6-Dinitrotoluene	0.291	0.303		4.124	
3-Nitroaniline	0.308	0.330		7.143	
Acenaphthene	1.066	1.003		-5.91	20.0
2,4-Dinitrophenol	0.111	0.131	0.050	18.018	
4-Nitrophenol	0.190	0.203	0.050	6.842	
Dibenzofuran	1.624	1.531		-5.727	
2,4-Dinitrotoluene	0.358	0.378		5.587	
Diethylphthalate	1.315	1.279		-2.738	
4-Chlorophenyl-phenylether	0.611	0.561		-8.183	
Fluorene	1.247	1.141		-8.5	
4-Nitroaniline	0.265	0.285		7.547	
4,6-Dinitro-2-methylphenol	0.111	0.127		14.414	
n-Nitrosodiphenylamine	0.644	0.626		-2.795	20.0
Azobenzene	1.514	1.438		-5.02	
2,4,6-Tribromophenol	0.176	0.187		6.25	
4-Bromophenyl-phenylether	0.218	0.223		2.294	
Hexachlorobenzene	0.220	0.229		4.091	
Atrazine	0.196	0.204		4.082	
Pentachlorophenol	0.133	0.144		8.271	20.0
Phenanthrene	1.088	1.043		-4.136	
Anthracene	1.118	1.075		-3.846	
Carbazole	0.958	0.934		-2.505	
Di-n-butylphthalate	1.139	1.128		-0.966	
Fluoranthene	1.064	1.008		-5.263	20.0
Benzidine	0.489	0.548		12.065	
Pyrene	1.962	1.926		-1.835	
Terphenyl-d14	1.454	1.385		-4.746	
Butylbenzylphthalate	0.501	0.609		21.557	
3,3-Dichlorobenzidine	0.373	0.447		19.839	
Benzo (a) anthracene	1.402	1.376		-1.854	
Chrysene	1.417	1.373		-3.105	
Bis (2-ethylhexyl) phthalate	0.637	0.726		13.972	
Di-n-octyl phthalate	1.120	1.374		22.679	20.0
Benzo (b) fluoranthene	1.183	1.213		2.536	
Benzo (k) fluoranthene	1.271	1.143		-10.071	
Benzo (a) pyrene	1.166	1.155		-0.943	20.0
Indeno (1,2,3-cd) pyrene	1.316	1.343		2.052	
Dibenzo (a,h) anthracene	1.068	1.098		2.809	
Benzo (g,h,i) perylene	1.096	1.107		1.004	



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GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.558	0.544		-2.509	
1,4-Dioxane	0.722	0.703		-2.632	20.0
2,3,4,6-Tetrachlorophenol	0.336	0.341		1.488	
1-Methylnaphthalene	0.644	0.613		-4.814	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	3/8/2024 12:00:00 AM
Project:		Date Received:	3/8/2024 12:00:00 AM
Client Sample ID:	PB159511BL	SDG No.:	BF030824
Lab Sample ID:	PB159511BL	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
BF137540.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

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:	3/8/2024 12:00:00 AM
Project:		Date Received:	3/8/2024 12:00:00 AM
Client Sample ID:	PB159511BL	SDG No.:	BF030824
Lab Sample ID:	PB159511BL	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
BF137540.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

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:	3/8/2024 12:00:00 AM
Project:		Date Received:	3/8/2024 12:00:00 AM
Client Sample ID:	PB159511BL	SDG No.:	BF030824
Lab Sample ID:	PB159511BL	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
BF137540.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

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	114.264		18-112		76	SPK: -150
13127-88-3	Phenol-d6	108.883		15-107		73	SPK: -150
4165-60-0	Nitrobenzene-d5	76.514		18-107		77	SPK: -100
321-60-8	2-Fluorobiphenyl	74.291		20-109		74	SPK: -100
118-79-6	2,4,6-Tribromophenol	130.273		10-110		87	SPK: -150
1718-51-0	Terphenyl-d14	70.351		14-112		70	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	240702	6.887				
1146-65-2	Naphthalene-d8	944930	8.157				
15067-26-2	Acenaphthene-d10	526592	9.916				
1517-22-2	Phenanthrene-d10	970195	11.41				
1719-03-5	Chrysene-d12	605851	14.068				
1520-96-3	Perylene-d12	491195	15.615				



Report of Analysis

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Project:		Date Received:	3/8/2024 12:00:00 AM
Client Sample ID:	PB159511BL	SDG No.:	BF030824
Lab Sample ID:	PB159511BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137540.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

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

Client:		Date Collected:	3/8/2024 12:00:00 AM
Project:		Date Received:	3/8/2024 12:00:00 AM
Client Sample ID:	PB159511BS	SDG No.:	BF030824
Lab Sample ID:	PB159511BS	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
BF137541.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

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	1200		72.3	130	170	ug/Kg
100-52-7	Benzaldehyde	1500		150	270	330	ug/Kg
62-53-3	Aniline	800		120	130	170	ug/Kg
108-95-2	Phenol	1400		74.3	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		89.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		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	1500		88.4	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500		82.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1700		98.7	270	330	ug/Kg
95-48-7	2-Methylphenol	1400		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	1400		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		58.9	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1600		73.5	130	170	ug/Kg
98-95-3	Nitrobenzene	1400		75.1	130	170	ug/Kg
78-59-1	Isophorone	1500		68	130	170	ug/Kg
88-75-5	2-Nitrophenol	1700		95	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		99.5	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		78	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		77.4	130	170	ug/Kg
65-85-0	Benzoic acid	1600		210	270	330	ug/Kg
91-20-3	Naphthalene	1400		81.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	510		100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		83.9	130	170	ug/Kg
105-60-2	Caprolactam	1600		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		82.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		94.8	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/8/2024 12:00:00 AM
Project:		Date Received:	3/8/2024 12:00:00 AM
Client Sample ID:	PB159511BS	SDG No.:	BF030824
Lab Sample ID:	PB159511BS	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
BF137541.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	3200	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	1500		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	1600		99.2	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	1500		88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		93.3	130	170	ug/Kg
83-32-9	Acenaphthene	1400		80.2	130	170	ug/Kg
Total PAH	Total PAH	24200		1436.7	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3400	E	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	3100	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1400		76.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3200		189.7	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		99.8	130	170	ug/Kg
84-66-2	Diethylphthalate	1500		85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		90.3	130	170	ug/Kg
86-73-7	Fluorene	1400		84.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	1600		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	1400		93.2	130	170	ug/Kg
103-33-3	Azobenzene	1500		73.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		97.3	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		98.7	130	170	ug/Kg
1912-24-9	Atrazine	1400		95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	2900	E	110	270	330	ug/Kg
85-01-8	Phenanthrene	1400		92.6	130	170	ug/Kg
120-12-7	Anthracene	1400		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	1400		94.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/8/2024 12:00:00 AM
Project:		Date Received:	3/8/2024 12:00:00 AM
Client Sample ID:	PB159511BS	SDG No.:	BF030824
Lab Sample ID:	PB159511BS	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
BF137541.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	680		190	270	330	ug/Kg
129-00-0	Pyrene	1500		83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1900		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	1800		110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1700		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		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	1500		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	1600		82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	126.153		18-112		84	SPK: -150
13127-88-3	Phenol-d6	120.818		15-107		81	SPK: -150
4165-60-0	Nitrobenzene-d5	83.357		18-107		83	SPK: -100
321-60-8	2-Fluorobiphenyl	81.568		20-109		82	SPK: -100
118-79-6	2,4,6-Tribromophenol	151.577		10-110		101	SPK: -150
1718-51-0	Terphenyl-d14	86.385		14-112		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	231621	6.886				
1146-65-2	Naphthalene-d8	944738	8.163				
15067-26-2	Acenaphthene-d10	513530	9.922				
1517-22-2	Phenanthrene-d10	930256	11.416				
1719-03-5	Chrysene-d12	473680	14.08				
1520-96-3	Perylene-d12	448672	15.615				



Report of Analysis

Client:		Date Collected:	3/8/2024 12:00:00 AM
Project:		Date Received:	3/8/2024 12:00:00 AM
Client Sample ID:	PB159511BS	SDG No.:	BF030824
Lab Sample ID:	PB159511BS	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
BF137541.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

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

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	BF030824
Lab Sample ID:	P1705-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.6
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137542.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	54.9	U	54.9	190	230	ug/Kg
110-86-1	Pyridine	51.4	U	51.4	92.3	120	ug/Kg
100-52-7	Benzaldehyde	110	U	110	190	230	ug/Kg
62-53-3	Aniline	83.1	U	83.1	92.3	120	ug/Kg
108-95-2	Phenol	52.8	U	52.8	92.3	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	63.8	U	63.8	92.3	120	ug/Kg
95-57-8	2-Chlorophenol	51.1	U	51.1	92.3	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	58	U	58	92.3	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	62.9	U	62.9	92.3	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	58.5	U	58.5	92.3	120	ug/Kg
100-51-6	Benzyl Alcohol	70.2	U	70.2	190	230	ug/Kg
95-48-7	2-Methylphenol	81	U	81	92.3	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	74.6	U	74.6	92.3	120	ug/Kg
98-86-2	Acetophenone	61.6	U	61.6	92.3	120	ug/Kg
65794-96-9	3+4-Methylphenols	76.7	U	76.7	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.9	U	41.9	56.8	56.8	ug/Kg
67-72-1	Hexachloroethane	52.3	U	52.3	92.3	120	ug/Kg
98-95-3	Nitrobenzene	53.4	U	53.4	92.3	120	ug/Kg
78-59-1	Isophorone	48.4	U	48.4	92.3	120	ug/Kg
88-75-5	2-Nitrophenol	67.5	U	67.5	92.3	120	ug/Kg
105-67-9	2,4-Dimethylphenol	70.7	U	70.7	92.3	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	79.5	U	79.5	92.3	120	ug/Kg
120-83-2	2,4-Dichlorophenol	55.5	U	55.5	92.3	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	55	U	55	92.3	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	190	230	ug/Kg
91-20-3	Naphthalene	57.8	U	57.8	92.3	120	ug/Kg
106-47-8	4-Chloroaniline	74.6	U	74.6	92.3	120	ug/Kg
87-68-3	Hexachlorobutadiene	59.7	U	59.7	92.3	120	ug/Kg
105-60-2	Caprolactam	83.1	U	83.1	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	58.6	U	58.6	92.3	120	ug/Kg
91-57-6	2-Methylnaphthalene	67.4	U	67.4	92.3	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	BF030824
Lab Sample ID:	P1705-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.6
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137542.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	150	U	150	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	54.8	U	54.8	92.3	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	62.4	U	62.4	92.3	120	ug/Kg
92-52-4	1,1-Biphenyl	64.8	U	64.8	92.3	120	ug/Kg
91-58-7	2-Chloronaphthalene	60.1	U	60.1	92.3	120	ug/Kg
88-74-4	2-Nitroaniline	70.5	U	70.5	92.3	120	ug/Kg
131-11-3	Dimethylphthalate	63.1	U	63.1	92.3	120	ug/Kg
208-96-8	Acenaphthylene	62.8	U	62.8	92.3	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	63.9	U	63.9	92.3	120	ug/Kg
99-09-2	3-Nitroaniline	66.3	U	66.3	92.3	120	ug/Kg
83-32-9	Acenaphthene	57	U	57	92.3	120	ug/Kg
Total PAH	Total PAH	1020.4	U	1020.4	92.3	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	190	230	ug/Kg
100-02-7	4-Nitrophenol	81	U	81	190	230	ug/Kg
132-64-9	Dibenzofuran	54.6	U	54.6	92.3	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	70.9	U	70.9	92.3	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	34.8	U	134.8	92.3	240	ug/Kg
84-66-2	Diethylphthalate	61	U	61	92.3	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	64.2	U	64.2	92.3	120	ug/Kg
86-73-7	Fluorene	60.2	U	60.2	92.3	120	ug/Kg
100-01-6	4-Nitroaniline	73.9	U	73.9	92.3	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	62.4	U	62.4	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	66.3	U	66.3	92.3	120	ug/Kg
103-33-3	Azobenzene	52.2	U	52.2	92.3	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	69.2	U	69.2	92.3	120	ug/Kg
118-74-1	Hexachlorobenzene	70.2	U	70.2	92.3	120	ug/Kg
1912-24-9	Atrazine	67.8	U	67.8	92.3	120	ug/Kg
87-86-5	Pentachlorophenol	78.8	U	78.8	190	230	ug/Kg
85-01-8	Phenanthrene	65.8	U	65.8	92.3	120	ug/Kg
120-12-7	Anthracene	72.4	U	72.4	92.3	120	ug/Kg
86-74-8	Carbazole	60.3	U	60.3	92.3	120	ug/Kg
84-74-2	Di-n-butylphthalate	73.9	U	73.9	92.3	120	ug/Kg
206-44-0	Fluoranthene	67	U	67	92.3	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	BF030824
Lab Sample ID:	P1705-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.6
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137542.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	140	U	140	190	230	ug/Kg
129-00-0	Pyrene	59.4	U	59.4	92.3	120	ug/Kg
85-68-7	Butylbenzylphthalate	73.1	U	73.1	92.3	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	59.6	U	59.6	92.3	120	ug/Kg
218-01-9	Chrysene	61.6	U	61.6	92.3	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	81.7	U	81.7	92.3	120	ug/Kg
117-84-0	Di-n-octyl phthalate	87.4	U	87.4	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	57	U	57	92.3	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	62.6	U	62.6	92.3	120	ug/Kg
50-32-8	Benzo(a)pyrene	67	U	67	92.3	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	76	U	76	92.3	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	68.5	U	68.5	92.3	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	65.7	U	65.7	92.3	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	63.5	U	63.5	92.3	120	ug/Kg
123-91-1	1,4-Dioxane	83.1	U	83.1	92.3	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	58.9	U	58.9	92.3	120	ug/Kg
90-12-0	1-Methylnaphthalene	64.1	U	64.1	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	86.411		18-112		58	SPK: -150
13127-88-3	Phenol-d6	81.948		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	56.149		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	54.984		20-109		55	SPK: -100
118-79-6	2,4,6-Tribromophenol	84.83		10-110		57	SPK: -150
1718-51-0	Terphenyl-d14	45.728		14-112		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	221717	6.881				
1146-65-2	Naphthalene-d8	866653	8.151				
15067-26-2	Acenaphthene-d10	466984	9.91				
1517-22-2	Phenanthrene-d10	778475	11.404				
1719-03-5	Chrysene-d12	463092	14.069				
1520-96-3	Perylene-d12	464999	15.61				



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

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	BF030824
Lab Sample ID:	P1705-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.6
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137542.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	560	J			2.21	
000057-10-3	n-Hexadecanoic acid	77.4	J			11.951	
000295-17-0	Cyclotetradecane	81.4	J			13.933	

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	TP-2B	SDG No.:	BF030824
Lab Sample ID:	P1705-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137543.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	56.3	U	56.3	200	240	ug/Kg
110-86-1	Pyridine	52.7	U	52.7	94.6	120	ug/Kg
100-52-7	Benzaldehyde	110	U	110	200	240	ug/Kg
62-53-3	Aniline	85.2	U	85.2	94.6	120	ug/Kg
108-95-2	Phenol	54.2	U	54.2	94.6	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	65.4	U	65.4	94.6	120	ug/Kg
95-57-8	2-Chlorophenol	52.4	U	52.4	94.6	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	59.5	U	59.5	94.6	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	64.4	U	64.4	94.6	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	60	U	60	94.6	120	ug/Kg
100-51-6	Benzyl Alcohol	71.9	U	71.9	200	240	ug/Kg
95-48-7	2-Methylphenol	83	U	83	94.6	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	76.4	U	76.4	94.6	120	ug/Kg
98-86-2	Acetophenone	63.1	U	63.1	94.6	120	ug/Kg
65794-96-9	3+4-Methylphenols	78.6	U	78.6	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.9	U	42.9	58.2	58.2	ug/Kg
67-72-1	Hexachloroethane	53.6	U	53.6	94.6	120	ug/Kg
98-95-3	Nitrobenzene	54.7	U	54.7	94.6	120	ug/Kg
78-59-1	Isophorone	49.6	U	49.6	94.6	120	ug/Kg
88-75-5	2-Nitrophenol	69.2	U	69.2	94.6	120	ug/Kg
105-67-9	2,4-Dimethylphenol	72.5	U	72.5	94.6	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	81.5	U	81.5	94.6	120	ug/Kg
120-83-2	2,4-Dichlorophenol	56.8	U	56.8	94.6	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	56.4	U	56.4	94.6	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	200	240	ug/Kg
91-20-3	Naphthalene	290		59.2	94.6	120	ug/Kg
106-47-8	4-Chloroaniline	76.4	U	76.4	94.6	120	ug/Kg
87-68-3	Hexachlorobutadiene	61.1	U	61.1	94.6	120	ug/Kg
105-60-2	Caprolactam	85.2	U	85.2	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	60	U	60	94.6	120	ug/Kg
91-57-6	2-Methylnaphthalene	94.5	J	69.1	94.6	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	TP-2B	SDG No.:	BF030824
Lab Sample ID:	P1705-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137543.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	150	U	150	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	56.1	U	56.1	94.6	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	64	U	64	94.6	120	ug/Kg
92-52-4	1,1-Biphenyl	66.5	U	66.5	94.6	120	ug/Kg
91-58-7	2-Chloronaphthalene	61.6	U	61.6	94.6	120	ug/Kg
88-74-4	2-Nitroaniline	72.3	U	72.3	94.6	120	ug/Kg
131-11-3	Dimethylphthalate	64.7	U	64.7	94.6	120	ug/Kg
208-96-8	Acenaphthylene	64.3	U	64.3	94.6	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	65.5	U	65.5	94.6	120	ug/Kg
99-09-2	3-Nitroaniline	68	U	68	94.6	120	ug/Kg
83-32-9	Acenaphthene	58.4	U	58.4	94.6	120	ug/Kg
Total PAH	Total PAH	1045.7	U	1045.7	94.6	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	200	240	ug/Kg
100-02-7	4-Nitrophenol	83	U	83	200	240	ug/Kg
132-64-9	Dibenzofuran	56	U	56	94.6	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	38.2	U	138.2	94.6	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	72.7	U	72.7	94.6	120	ug/Kg
84-66-2	Diethylphthalate	62.5	U	62.5	94.6	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	65.8	U	65.8	94.6	120	ug/Kg
86-73-7	Fluorene	61.7	U	61.7	94.6	120	ug/Kg
100-01-6	4-Nitroaniline	75.7	U	75.7	94.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	63.9	U	63.9	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	67.9	U	67.9	94.6	120	ug/Kg
103-33-3	Azobenzene	53.5	U	53.5	94.6	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	70.9	U	70.9	94.6	120	ug/Kg
118-74-1	Hexachlorobenzene	71.9	U	71.9	94.6	120	ug/Kg
1912-24-9	Atrazine	69.4	U	69.4	94.6	120	ug/Kg
87-86-5	Pentachlorophenol	80.8	U	80.8	200	240	ug/Kg
85-01-8	Phenanthrene	99.9	J	67.5	94.6	120	ug/Kg
120-12-7	Anthracene	74.2	U	74.2	94.6	120	ug/Kg
86-74-8	Carbazole	61.8	U	61.8	94.6	120	ug/Kg
84-74-2	Di-n-butylphthalate	75.7	U	75.7	94.6	120	ug/Kg
206-44-0	Fluoranthene	68.7	U	68.7	94.6	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	TP-2B	SDG No.:	BF030824
Lab Sample ID:	P1705-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137543.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	140	U	140	200	240	ug/Kg
129-00-0	Pyrene	60.9	U	60.9	94.6	120	ug/Kg
85-68-7	Butylbenzylphthalate	75	U	75	94.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	61.1	U	61.1	94.6	120	ug/Kg
218-01-9	Chrysene	63.2	U	63.2	94.6	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	83.7	U	83.7	94.6	120	ug/Kg
117-84-0	Di-n-octyl phthalate	89.5	U	89.5	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	58.4	U	58.4	94.6	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	64.1	U	64.1	94.6	120	ug/Kg
50-32-8	Benzo(a)pyrene	68.6	U	68.6	94.6	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	77.9	U	77.9	94.6	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	70.2	U	70.2	94.6	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	67.3	U	67.3	94.6	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	65.1	U	65.1	94.6	120	ug/Kg
123-91-1	1,4-Dioxane	85.2	U	85.2	94.6	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	60.3	U	60.3	94.6	120	ug/Kg
90-12-0	1-Methylnaphthalene	130		65.7	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	88.583		18-112		59	SPK: -150
13127-88-3	Phenol-d6	82.725		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	56.98		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	54.93		20-109		55	SPK: -100
118-79-6	2,4,6-Tribromophenol	86.323		10-110		58	SPK: -150
1718-51-0	Terphenyl-d14	46.727		14-112		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	217366	6.887				
1146-65-2	Naphthalene-d8	832414	8.157				
15067-26-2	Acenaphthene-d10	448540	9.916				
1517-22-2	Phenanthrene-d10	741755	11.41				
1719-03-5	Chrysene-d12	439264	14.068				
1520-96-3	Perylene-d12	456930	15.615				

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	TP-2B	SDG No.:	BF030824
Lab Sample ID:	P1705-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137543.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	570	J			2.216	
000108-67-8	Mesitylene	77.6	J			6.71	
000629-59-4	Tetradecane	100	J			9.316	
000582-16-1	Naphthalene, 2,7-dimethyl-	61.1	J			9.504	
000581-40-8	Naphthalene, 2,3-dimethyl-	110	J			9.575	
1000406-42-6	Pentyl dotriacontyl ether	150	J			9.639	
000629-50-5	Tridecane	120	J			9.851	
066563-30-2	Bacchotricuneatin c	82.7	J			10.081	
017301-24-5	Undecane, 2,7-dimethyl-	71.1	J			10.11	
007098-21-7	Tritetracontane	82.2	J			10.175	
002050-77-3	Decane, 1-iodo-	120	J			10.351	
003892-00-0	Pentadecane, 2,6,10-trimethyl-	270	J			10.575	
055045-11-9	Tridecane, 5-propyl-	510	J			10.845	
000593-49-7	Heptacosane	67	J			11.022	
000629-62-9	Pentadecane	100	J			11.28	
054833-48-6	Heptadecane, 2,6,10,15-tetramethyl	230	J			11.31	
000629-78-7	Heptadecane	59.4	J			11.663	
002755-07-9	Undecane, 5-ethyl-5-propyl-	66	J			11.716	
1000309-38-1	Oxalic acid, isobutyl hexadecyl es	83.7	J			13.933	

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	TP-2BMS	SDG No.:	BF030824
Lab Sample ID:	P1705-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137544.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	990		56.2	200	240	ug/Kg
110-86-1	Pyridine	860		52.6	94.5	120	ug/Kg
100-52-7	Benzaldehyde	720		110	200	240	ug/Kg
62-53-3	Aniline	550		85.1	94.5	120	ug/Kg
108-95-2	Phenol	960		54.1	94.5	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	950		65.3	94.5	120	ug/Kg
95-57-8	2-Chlorophenol	1000		52.3	94.5	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		59.4	94.5	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		64.3	94.5	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		59.9	94.5	120	ug/Kg
100-51-6	Benzyl Alcohol	1100		71.8	200	240	ug/Kg
95-48-7	2-Methylphenol	880		82.9	94.5	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	910		76.3	94.5	120	ug/Kg
98-86-2	Acetophenone	1000		63	94.5	120	ug/Kg
65794-96-9	3+4-Methylphenols	880		78.5	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	880		42.9	58.2	58.2	ug/Kg
67-72-1	Hexachloroethane	1100		53.5	94.5	120	ug/Kg
98-95-3	Nitrobenzene	970		54.7	94.5	120	ug/Kg
78-59-1	Isophorone	980		49.5	94.5	120	ug/Kg
88-75-5	2-Nitrophenol	1100		69.1	94.5	120	ug/Kg
105-67-9	2,4-Dimethylphenol	810		72.4	94.5	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	990		81.4	94.5	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		56.8	94.5	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		56.3	94.5	120	ug/Kg
65-85-0	Benzoic acid	870		160	200	240	ug/Kg
91-20-3	Naphthalene	1100		59.2	94.5	120	ug/Kg
106-47-8	4-Chloroaniline	170		76.3	94.5	120	ug/Kg
87-68-3	Hexachlorobutadiene	1000		61.1	94.5	120	ug/Kg
105-60-2	Caprolactam	1000		85.1	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	990		60	94.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	1000		69	94.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	TP-2BMS	SDG No.:	BF030824
Lab Sample ID:	P1705-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137544.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2100	E	150	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		56.1	94.5	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	970		63.9	94.5	120	ug/Kg
92-52-4	1,1-Biphenyl	980		66.4	94.5	120	ug/Kg
91-58-7	2-Chloronaphthalene	1000		61.5	94.5	120	ug/Kg
88-74-4	2-Nitroaniline	1000		72.2	94.5	120	ug/Kg
131-11-3	Dimethylphthalate	950		64.6	94.5	120	ug/Kg
208-96-8	Acenaphthylene	1000		64.3	94.5	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		65.4	94.5	120	ug/Kg
99-09-2	3-Nitroaniline	440		67.9	94.5	120	ug/Kg
83-32-9	Acenaphthene	950		58.4	94.5	120	ug/Kg
Total PAH	Total PAH	15690		1044.8	94.5	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	1800		130	200	240	ug/Kg
100-02-7	4-Nitrophenol	1900		82.9	200	240	ug/Kg
132-64-9	Dibenzofuran	940		55.9	94.5	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2000		138	94.5	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		72.6	94.5	120	ug/Kg
84-66-2	Diethylphthalate	950		62.4	94.5	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	920		65.7	94.5	120	ug/Kg
86-73-7	Fluorene	940		61.6	94.5	120	ug/Kg
100-01-6	4-Nitroaniline	940		75.6	94.5	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		63.8	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	990		67.8	94.5	120	ug/Kg
103-33-3	Azobenzene	940		53.4	94.5	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		70.8	94.5	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		71.8	94.5	120	ug/Kg
1912-24-9	Atrazine	1100		69.4	94.5	120	ug/Kg
87-86-5	Pentachlorophenol	1800		80.7	200	240	ug/Kg
85-01-8	Phenanthrene	1000		67.4	94.5	120	ug/Kg
120-12-7	Anthracene	990		74.2	94.5	120	ug/Kg
86-74-8	Carbazole	970		61.7	94.5	120	ug/Kg
84-74-2	Di-n-butylphthalate	1000		75.6	94.5	120	ug/Kg
206-44-0	Fluoranthene	940		68.6	94.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	TP-2BMS	SDG No.:	BF030824
Lab Sample ID:	P1705-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137544.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1100		140	200	240	ug/Kg
129-00-0	Pyrene	960		60.8	94.5	120	ug/Kg
85-68-7	Butylbenzylphthalate	1300		74.9	94.5	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	690		120	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	1000		61	94.5	120	ug/Kg
218-01-9	Chrysene	1000		63.1	94.5	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400		83.6	94.5	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		89.4	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		58.4	94.5	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	910		64	94.5	120	ug/Kg
50-32-8	Benzo(a)pyrene	1000		68.6	94.5	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	970		77.8	94.5	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	960		70.2	94.5	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	870		67.2	94.5	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		65	94.5	120	ug/Kg
123-91-1	1,4-Dioxane	890		85.1	94.5	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	980		60.3	94.5	120	ug/Kg
90-12-0	1-Methylnaphthalene	990		65.6	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	73.624		18-112		49	SPK: -150
13127-88-3	Phenol-d6	69.096		15-107		46	SPK: -150
4165-60-0	Nitrobenzene-d5	49.179		18-107		49	SPK: -100
321-60-8	2-Fluorobiphenyl	46.52		20-109		47	SPK: -100
118-79-6	2,4,6-Tribromophenol	73.421		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	42.101		14-112		42	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	222491	6.893				
1146-65-2	Naphthalene-d8	841755	8.163				
15067-26-2	Acenaphthene-d10	458376	9.922				
1517-22-2	Phenanthrene-d10	741015	11.416				
1719-03-5	Chrysene-d12	396099	14.08				
1520-96-3	Perylene-d12	475261	15.621				



Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	TP-2BMS	SDG No.:	BF030824
Lab Sample ID:	P1705-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137544.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

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

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	TP-2BMSD	SDG No.:	BF030824
Lab Sample ID:	P1705-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137545.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	940		56.2	200	240	ug/Kg
110-86-1	Pyridine	820		52.7	94.5	120	ug/Kg
100-52-7	Benzaldehyde	700		110	200	240	ug/Kg
62-53-3	Aniline	540		85.1	94.5	120	ug/Kg
108-95-2	Phenol	930		54.1	94.5	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	930		65.3	94.5	120	ug/Kg
95-57-8	2-Chlorophenol	1000		52.4	94.5	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		59.4	94.5	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	980		64.4	94.5	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	980		59.9	94.5	120	ug/Kg
100-51-6	Benzyl Alcohol	1100		71.9	200	240	ug/Kg
95-48-7	2-Methylphenol	860		82.9	94.5	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	880		76.4	94.5	120	ug/Kg
98-86-2	Acetophenone	990		63.1	94.5	120	ug/Kg
65794-96-9	3+4-Methylphenols	870		78.5	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	870		42.9	58.2	58.2	ug/Kg
67-72-1	Hexachloroethane	1000		53.5	94.5	120	ug/Kg
98-95-3	Nitrobenzene	970		54.7	94.5	120	ug/Kg
78-59-1	Isophorone	940		49.5	94.5	120	ug/Kg
88-75-5	2-Nitrophenol	1100		69.2	94.5	120	ug/Kg
105-67-9	2,4-Dimethylphenol	800		72.4	94.5	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	970		81.5	94.5	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		56.8	94.5	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		56.4	94.5	120	ug/Kg
65-85-0	Benzoic acid	850		160	200	240	ug/Kg
91-20-3	Naphthalene	1100		59.2	94.5	120	ug/Kg
106-47-8	4-Chloroaniline	180		76.4	94.5	120	ug/Kg
87-68-3	Hexachlorobutadiene	1000		61.1	94.5	120	ug/Kg
105-60-2	Caprolactam	1000		85.1	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	980		60	94.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	970		69	94.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	TP-2BMSD	SDG No.:	BF030824
Lab Sample ID:	P1705-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137545.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1900	E	150	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		56.1	94.5	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	980		63.9	94.5	120	ug/Kg
92-52-4	1,1-Biphenyl	980		66.4	94.5	120	ug/Kg
91-58-7	2-Chloronaphthalene	1000		61.5	94.5	120	ug/Kg
88-74-4	2-Nitroaniline	1000		72.2	94.5	120	ug/Kg
131-11-3	Dimethylphthalate	950		64.7	94.5	120	ug/Kg
208-96-8	Acenaphthylene	1000		64.3	94.5	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		65.5	94.5	120	ug/Kg
99-09-2	3-Nitroaniline	460		67.9	94.5	120	ug/Kg
83-32-9	Acenaphthene	940		58.4	94.5	120	ug/Kg
Total PAH	Total PAH	15470		1045.3	94.5	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	1800		130	200	240	ug/Kg
100-02-7	4-Nitrophenol	1900		82.9	200	240	ug/Kg
132-64-9	Dibenzofuran	940		55.9	94.5	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		72.7	94.5	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2000		138.2	94.5	240	ug/Kg
84-66-2	Diethylphthalate	940		62.5	94.5	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	900		65.7	94.5	120	ug/Kg
86-73-7	Fluorene	940		61.7	94.5	120	ug/Kg
100-01-6	4-Nitroaniline	980		75.6	94.5	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		63.9	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	970		67.9	94.5	120	ug/Kg
103-33-3	Azobenzene	930		53.5	94.5	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		70.8	94.5	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		71.9	94.5	120	ug/Kg
1912-24-9	Atrazine	1100		69.4	94.5	120	ug/Kg
87-86-5	Pentachlorophenol	1800		80.7	200	240	ug/Kg
85-01-8	Phenanthrene	990		67.4	94.5	120	ug/Kg
120-12-7	Anthracene	970		74.2	94.5	120	ug/Kg
86-74-8	Carbazole	960		61.7	94.5	120	ug/Kg
84-74-2	Di-n-butylphthalate	1000		75.6	94.5	120	ug/Kg
206-44-0	Fluoranthene	910		68.7	94.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	TP-2BMSD	SDG No.:	BF030824
Lab Sample ID:	P1705-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137545.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1100		140	200	240	ug/Kg
129-00-0	Pyrene	960		60.9	94.5	120	ug/Kg
85-68-7	Butylbenzylphthalate	1300		74.9	94.5	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	690		120	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	1000		61	94.5	120	ug/Kg
218-01-9	Chrysene	1000		63.1	94.5	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		83.6	94.5	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		89.5	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		58.4	94.5	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	890		64.1	94.5	120	ug/Kg
50-32-8	Benzo(a)pyrene	990		68.6	94.5	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	930		77.8	94.5	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	930		70.2	94.5	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	820		67.3	94.5	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		65	94.5	120	ug/Kg
123-91-1	1,4-Dioxane	860		85.1	94.5	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	970		60.3	94.5	120	ug/Kg
90-12-0	1-Methylnaphthalene	990		65.6	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	73.22		18-112		49	SPK: -150
13127-88-3	Phenol-d6	68.357		15-107		46	SPK: -150
4165-60-0	Nitrobenzene-d5	48.334		18-107		48	SPK: -100
321-60-8	2-Fluorobiphenyl	45.9		20-109		46	SPK: -100
118-79-6	2,4,6-Tribromophenol	72.911		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	41.777		14-112		42	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	216612	6.892				
1146-65-2	Naphthalene-d8	820184	8.163				
15067-26-2	Acenaphthene-d10	443124	9.922				
1517-22-2	Phenanthrene-d10	731030	11.416				
1719-03-5	Chrysene-d12	380902	14.08				
1520-96-3	Perylene-d12	454964	15.621				



Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	TP-2BMSD	SDG No.:	BF030824
Lab Sample ID:	P1705-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
Sample Wt/Vol:	50.06	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
BF137545.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

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

Client:		Date Collected:	3/5/2024 12:00:00 AM
Project:		Date Received:	3/5/2024 12:00:00 AM
Client Sample ID:	COMP-1DL	SDG No.:	BF030824
Lab Sample ID:	P1688-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	23.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137546.D	2	3/7/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159489

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	200	U	200	710	860	ug/Kg
110-86-1	Pyridine	190	U	190	340	450	ug/Kg
100-52-7	Benzaldehyde	390	U	390	710	860	ug/Kg
62-53-3	Aniline	310	U	310	340	450	ug/Kg
108-95-2	Phenol	190	U	190	340	450	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	240	U	240	340	450	ug/Kg
95-57-8	2-Chlorophenol	190	U	190	340	450	ug/Kg
95-50-1	1,2-Dichlorobenzene	210	U	210	340	450	ug/Kg
541-73-1	1,3-Dichlorobenzene	230	U	230	340	450	ug/Kg
106-46-7	1,4-Dichlorobenzene	220	U	220	340	450	ug/Kg
100-51-6	Benzyl Alcohol	260	U	260	710	860	ug/Kg
95-48-7	2-Methylphenol	300	U	300	340	450	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	270	U	270	340	450	ug/Kg
98-86-2	Acetophenone	230	U	230	340	450	ug/Kg
65794-96-9	3+4-Methylphenols	280	U	280	710	860	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	210	210	ug/Kg
67-72-1	Hexachloroethane	190	U	190	340	450	ug/Kg
98-95-3	Nitrobenzene	200	U	200	340	450	ug/Kg
78-59-1	Isophorone	180	U	180	340	450	ug/Kg
88-75-5	2-Nitrophenol	250	U	250	340	450	ug/Kg
105-67-9	2,4-Dimethylphenol	260	U	260	340	450	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	290	U	290	340	450	ug/Kg
120-83-2	2,4-Dichlorophenol	200	U	200	340	450	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	200	U	200	340	450	ug/Kg
65-85-0	Benzoic acid	560	U	560	710	860	ug/Kg
91-20-3	Naphthalene	210	U	210	340	450	ug/Kg
106-47-8	4-Chloroaniline	270	U	270	340	450	ug/Kg
87-68-3	Hexachlorobutadiene	220	U	220	340	450	ug/Kg
105-60-2	Caprolactam	310	U	310	710	860	ug/Kg
59-50-7	4-Chloro-3-methylphenol	220	U	220	340	450	ug/Kg
91-57-6	2-Methylnaphthalene	250	U	250	340	450	ug/Kg

Report of Analysis

Client:		Date Collected:	3/5/2024 12:00:00 AM
Project:		Date Received:	3/5/2024 12:00:00 AM
Client Sample ID:	COMP-1DL	SDG No.:	BF030824
Lab Sample ID:	P1688-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	23.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137546.D	2	3/7/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159489

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	550	U	550	710	860	ug/Kg
88-06-2	2,4,6-Trichlorophenol	200	U	200	340	450	ug/Kg
95-95-4	2,4,5-Trichlorophenol	230	U	230	340	450	ug/Kg
92-52-4	1,1-Biphenyl	240	U	240	340	450	ug/Kg
91-58-7	2-Chloronaphthalene	220	U	220	340	450	ug/Kg
88-74-4	2-Nitroaniline	260	U	260	340	450	ug/Kg
131-11-3	Dimethylphthalate	230	U	230	340	450	ug/Kg
208-96-8	Acenaphthylene	230	U	230	340	450	ug/Kg
606-20-2	2,6-Dinitrotoluene	240	U	240	340	450	ug/Kg
99-09-2	3-Nitroaniline	240	U	240	340	450	ug/Kg
83-32-9	Acenaphthene	260	JD	210	340	450	ug/Kg
Total PAH	Total PAH	29890	D	3760	340	7200	ug/Kg
51-28-5	2,4-Dinitrophenol	470	U	470	710	860	ug/Kg
100-02-7	4-Nitrophenol	300	U	300	710	860	ug/Kg
132-64-9	Dibenzofuran	200	U	200	340	450	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	600	U	500	340	900	ug/Kg
121-14-2	2,4-Dinitrotoluene	260	U	260	340	450	ug/Kg
84-66-2	Diethylphthalate	220	U	220	340	450	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	240	U	240	340	450	ug/Kg
86-73-7	Fluorene	220	U	220	340	450	ug/Kg
100-01-6	4-Nitroaniline	270	U	270	340	450	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	230	U	230	710	860	ug/Kg
86-30-6	n-Nitrosodiphenylamine	240	U	240	340	450	ug/Kg
103-33-3	Azobenzene	190	U	190	340	450	ug/Kg
101-55-3	4-Bromophenyl-phenylether	250	U	250	340	450	ug/Kg
118-74-1	Hexachlorobenzene	260	U	260	340	450	ug/Kg
1912-24-9	Atrazine	250	U	250	340	450	ug/Kg
87-86-5	Pentachlorophenol	290	U	290	710	860	ug/Kg
85-01-8	Phenanthrene	4300	D	240	340	450	ug/Kg
120-12-7	Anthracene	1000	D	270	340	450	ug/Kg
86-74-8	Carbazole	220	U	220	340	450	ug/Kg
84-74-2	Di-n-butylphthalate	270	U	270	340	450	ug/Kg
206-44-0	Fluoranthene	4700	D	250	340	450	ug/Kg

Report of Analysis

Client:		Date Collected:	3/5/2024 12:00:00 AM
Project:		Date Received:	3/5/2024 12:00:00 AM
Client Sample ID:	COMP-1DL	SDG No.:	BF030824
Lab Sample ID:	P1688-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	23.7
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137546.D	2	3/7/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159489

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	510	U	510	710	860	ug/Kg
129-00-0	Pyrene	4100	D	220	340	450	ug/Kg
85-68-7	Butylbenzylphthalate	270	U	270	340	450	ug/Kg
91-94-1	3,3-Dichlorobenzidine	420	U	420	710	860	ug/Kg
56-55-3	Benzo(a)anthracene	3100	D	220	340	450	ug/Kg
218-01-9	Chrysene	2600	D	230	340	450	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	300	U	300	340	450	ug/Kg
117-84-0	Di-n-octyl phthalate	320	U	320	710	860	ug/Kg
205-99-2	Benzo(b)fluoranthene	3500	D	210	340	450	ug/Kg
207-08-9	Benzo(k)fluoranthene	980	D	230	340	450	ug/Kg
50-32-8	Benzo(a)pyrene	2700	D	250	340	450	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100	D	280	340	450	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	350	JD	250	340	450	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200	D	240	340	450	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	230	U	230	340	450	ug/Kg
123-91-1	1,4-Dioxane	310	U	310	340	450	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	220	U	220	340	450	ug/Kg
90-12-0	1-Methylnaphthalene	240	U	240	450	450	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	98.522		18-112		66	SPK: -150
13127-88-3	Phenol-d6	92.618		15-107		62	SPK: -150
4165-60-0	Nitrobenzene-d5	65.046		18-107		65	SPK: -100
321-60-8	2-Fluorobiphenyl	69.08		20-109		69	SPK: -100
118-79-6	2,4,6-Tribromophenol	87.68		10-110		58	SPK: -150
1718-51-0	Terphenyl-d14	53.166		14-112		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	205831	6.892				
1146-65-2	Naphthalene-d8	791160	8.163				
15067-26-2	Acenaphthene-d10	422398	9.916				
1517-22-2	Phenanthrene-d10	661903	11.416				
1719-03-5	Chrysene-d12	369602	14.08				
1520-96-3	Perylene-d12	442990	15.627				



Report of Analysis

Client:		Date Collected:	3/5/2024 12:00:00 AM
Project:		Date Received:	3/5/2024 12:00:00 AM
Client Sample ID:	COMP-1DL	SDG No.:	BF030824
Lab Sample ID:	P1688-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	23.7
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137546.D	2	3/7/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159489

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

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	BF030824
Lab Sample ID:	P1705-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.7
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137547.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	55	U	55	190	230	ug/Kg
110-86-1	Pyridine	51.5	U	51.5	92.5	120	ug/Kg
100-52-7	Benzaldehyde	110	U	110	190	230	ug/Kg
62-53-3	Aniline	83.2	U	83.2	92.5	120	ug/Kg
108-95-2	Phenol	52.9	U	52.9	92.5	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	63.9	U	63.9	92.5	120	ug/Kg
95-57-8	2-Chlorophenol	51.2	U	51.2	92.5	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	58.1	U	58.1	92.5	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	62.9	U	62.9	92.5	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	58.6	U	58.6	92.5	120	ug/Kg
100-51-6	Benzyl Alcohol	70.3	U	70.3	190	230	ug/Kg
95-48-7	2-Methylphenol	81.1	U	81.1	92.5	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	74.7	U	74.7	92.5	120	ug/Kg
98-86-2	Acetophenone	61.7	U	61.7	92.5	120	ug/Kg
65794-96-9	3+4-Methylphenols	76.8	U	76.8	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42	U	42	56.9	56.9	ug/Kg
67-72-1	Hexachloroethane	52.3	U	52.3	92.5	120	ug/Kg
98-95-3	Nitrobenzene	53.5	U	53.5	92.5	120	ug/Kg
78-59-1	Isophorone	48.4	U	48.4	92.5	120	ug/Kg
88-75-5	2-Nitrophenol	67.6	U	67.6	92.5	120	ug/Kg
105-67-9	2,4-Dimethylphenol	70.8	U	70.8	92.5	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	79.7	U	79.7	92.5	120	ug/Kg
120-83-2	2,4-Dichlorophenol	55.5	U	55.5	92.5	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	55.1	U	55.1	92.5	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	190	230	ug/Kg
91-20-3	Naphthalene	57.9	U	57.9	92.5	120	ug/Kg
106-47-8	4-Chloroaniline	74.7	U	74.7	92.5	120	ug/Kg
87-68-3	Hexachlorobutadiene	59.7	U	59.7	92.5	120	ug/Kg
105-60-2	Caprolactam	83.2	U	83.2	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	58.7	U	58.7	92.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	67.5	U	67.5	92.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	BF030824
Lab Sample ID:	P1705-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.7
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137547.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	150	U	150	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	54.8	U	54.8	92.5	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	62.5	U	62.5	92.5	120	ug/Kg
92-52-4	1,1-Biphenyl	64.9	U	64.9	92.5	120	ug/Kg
91-58-7	2-Chloronaphthalene	60.2	U	60.2	92.5	120	ug/Kg
88-74-4	2-Nitroaniline	70.6	U	70.6	92.5	120	ug/Kg
131-11-3	Dimethylphthalate	63.2	U	63.2	92.5	120	ug/Kg
208-96-8	Acenaphthylene	90.1	J	62.9	92.5	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	64	U	64	92.5	120	ug/Kg
99-09-2	3-Nitroaniline	66.4	U	66.4	92.5	120	ug/Kg
83-32-9	Acenaphthene	57.1	U	57.1	92.5	120	ug/Kg
Total PAH	Total PAH	4040.1	U	1022	92.5	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	190	230	ug/Kg
100-02-7	4-Nitrophenol	81.1	U	81.1	190	230	ug/Kg
132-64-9	Dibenzofuran	54.7	U	54.7	92.5	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	35	U	135	92.5	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	71	U	71	92.5	120	ug/Kg
84-66-2	Diethylphthalate	61.1	U	61.1	92.5	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	64.3	U	64.3	92.5	120	ug/Kg
86-73-7	Fluorene	60.3	U	60.3	92.5	120	ug/Kg
100-01-6	4-Nitroaniline	74	U	74	92.5	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	62.4	U	62.4	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	66.4	U	66.4	92.5	120	ug/Kg
103-33-3	Azobenzene	52.3	U	52.3	92.5	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	69.3	U	69.3	92.5	120	ug/Kg
118-74-1	Hexachlorobenzene	70.3	U	70.3	92.5	120	ug/Kg
1912-24-9	Atrazine	67.8	U	67.8	92.5	120	ug/Kg
87-86-5	Pentachlorophenol	78.9	U	78.9	190	230	ug/Kg
85-01-8	Phenanthrene	260		65.9	92.5	120	ug/Kg
120-12-7	Anthracene	72.5	U	72.5	92.5	120	ug/Kg
86-74-8	Carbazole	60.4	U	60.4	92.5	120	ug/Kg
84-74-2	Di-n-butylphthalate	74	U	74	92.5	120	ug/Kg
206-44-0	Fluoranthene	460		67.1	92.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	BF030824
Lab Sample ID:	P1705-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.7
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137547.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	140	U	140	190	230	ug/Kg
129-00-0	Pyrene	690		59.5	92.5	120	ug/Kg
85-68-7	Butylbenzylphthalate	73.3	U	73.3	92.5	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	500		59.7	92.5	120	ug/Kg
218-01-9	Chrysene	530		61.7	92.5	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	81.8	U	81.8	92.5	120	ug/Kg
117-84-0	Di-n-octyl phthalate	87.5	U	87.5	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	490		57.1	92.5	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	170		62.7	92.5	120	ug/Kg
50-32-8	Benzo(a)pyrene	490		67.1	92.5	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140		76.1	92.5	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	68.6	U	68.6	92.5	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	220		65.8	92.5	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	63.6	U	63.6	92.5	120	ug/Kg
123-91-1	1,4-Dioxane	83.2	U	83.2	92.5	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	59	U	59	92.5	120	ug/Kg
90-12-0	1-Methylnaphthalene	64.1	U	64.1	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	79.976		18-112		53	SPK: -150
13127-88-3	Phenol-d6	76.525		15-107		51	SPK: -150
4165-60-0	Nitrobenzene-d5	52.905		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	49.803		20-109		50	SPK: -100
118-79-6	2,4,6-Tribromophenol	75.26		10-110		50	SPK: -150
1718-51-0	Terphenyl-d14	34.68		14-112		35	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	224611	6.892				
1146-65-2	Naphthalene-d8	864593	8.163				
15067-26-2	Acenaphthene-d10	454913	9.922				
1517-22-2	Phenanthrene-d10	688233	11.416				
1719-03-5	Chrysene-d12	425435	14.08				
1520-96-3	Perylene-d12	466018	15.633				

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	BF030824
Lab Sample ID:	P1705-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.7
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137547.D	1	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	520	J			2.228	
000613-12-7	Anthracene, 2-methyl-	260	J			11.922	
002531-84-2	Phenanthrene, 2-methyl-	330	J			11.951	
000832-69-9	Phenanthrene, 1-methyl-	330	J			12.033	
000779-02-2	Anthracene, 9-methyl-	180	J			12.057	
000483-87-4	Phenanthrene, 1,7-dimethyl-	150	J			12.368	
001576-67-6	Phenanthrene, 3,6-dimethyl-	280	J			12.404	
002789-88-0	di-p-Tolylacetylene	160	J			12.427	
003674-65-5	Phenanthrene, 2,3-dimethyl-	540	J			12.48	
000781-43-1	9,10-Dimethylanthracene	390	J			12.51	
003674-66-6	Phenanthrene, 2,5-dimethyl-	260	J			12.563	
003674-73-5	Phenanthrene, 2,3,5-trimethyl-	170	J			12.933	
002381-21-7	Pyrene, 1-methyl-	190	J			13.092	
003442-78-2	Pyrene, 2-methyl-	190	J			13.31	
003353-12-6	Pyrene, 4-methyl-	150	J			13.398	
002498-76-2	Benz[a]anthracene, 2-methyl-	190	J			14.474	
000316-51-8	3,9-Dimethylbenz[a]anthracene	140	J			14.886	
020627-31-0	Benz(a)anthracene, 8,12-dimethyl-	210	J			14.921	
000604-81-9	Benz(a)anthracene, 7,8-dimethyl-	150	J			15.063	
000198-55-0	Perylene	430	J			15.492	

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	TR-04-030724	SDG No.:	BF030824
Lab Sample ID:	P1710-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137548.D	5	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

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

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	TR-04-030724	SDG No.:	BF030824
Lab Sample ID:	P1710-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137548.D	5	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	630	U	630	810	990	ug/Kg
88-06-2	2,4,6-Trichlorophenol	230	U	230	390	510	ug/Kg
95-95-4	2,4,5-Trichlorophenol	260	U	260	390	510	ug/Kg
92-52-4	1,1-Biphenyl	270	U	270	390	510	ug/Kg
91-58-7	2-Chloronaphthalene	250	U	250	390	510	ug/Kg
88-74-4	2-Nitroaniline	300	U	300	390	510	ug/Kg
131-11-3	Dimethylphthalate	270	U	270	390	510	ug/Kg
208-96-8	Acenaphthylene	260	U	260	390	510	ug/Kg
606-20-2	2,6-Dinitrotoluene	270	U	270	390	510	ug/Kg
99-09-2	3-Nitroaniline	280	U	280	390	510	ug/Kg
83-32-9	Acenaphthene	240	U	240	390	510	ug/Kg
Total PAH	Total PAH	4290	U	4290	390	8160	ug/Kg
51-28-5	2,4-Dinitrophenol	540	U	540	810	990	ug/Kg
100-02-7	4-Nitrophenol	340	U	340	810	990	ug/Kg
132-64-9	Dibenzofuran	230	U	230	390	510	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	670	U	570	390	1020	ug/Kg
121-14-2	2,4-Dinitrotoluene	300	U	300	390	510	ug/Kg
84-66-2	Diethylphthalate	260	U	260	390	510	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	270	U	270	390	510	ug/Kg
86-73-7	Fluorene	250	U	250	390	510	ug/Kg
100-01-6	4-Nitroaniline	310	U	310	390	510	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	260	U	260	810	990	ug/Kg
86-30-6	n-Nitrosodiphenylamine	280	U	280	390	510	ug/Kg
103-33-3	Azobenzene	220	U	220	390	510	ug/Kg
101-55-3	4-Bromophenyl-phenylether	290	U	290	390	510	ug/Kg
118-74-1	Hexachlorobenzene	300	U	300	390	510	ug/Kg
1912-24-9	Atrazine	290	U	290	390	510	ug/Kg
87-86-5	Pentachlorophenol	330	U	330	810	990	ug/Kg
85-01-8	Phenanthrene	280	U	280	390	510	ug/Kg
120-12-7	Anthracene	310	U	310	390	510	ug/Kg
86-74-8	Carbazole	250	U	250	390	510	ug/Kg
84-74-2	Di-n-butylphthalate	310	U	310	390	510	ug/Kg
206-44-0	Fluoranthene	280	U	280	390	510	ug/Kg

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	TR-04-030724	SDG No.:	BF030824
Lab Sample ID:	P1710-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137548.D	5	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	580	U	580	810	990	ug/Kg
129-00-0	Pyrene	250	U	250	390	510	ug/Kg
85-68-7	Butylbenzylphthalate	310	U	310	390	510	ug/Kg
91-94-1	3,3-Dichlorobenzidine	480	U	480	810	990	ug/Kg
56-55-3	Benzo(a)anthracene	250	U	250	390	510	ug/Kg
218-01-9	Chrysene	260	U	260	390	510	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	340	U	340	390	510	ug/Kg
117-84-0	Di-n-octyl phthalate	370	U	370	810	990	ug/Kg
205-99-2	Benzo(b)fluoranthene	240	U	240	390	510	ug/Kg
207-08-9	Benzo(k)fluoranthene	260	U	260	390	510	ug/Kg
50-32-8	Benzo(a)pyrene	280	U	280	390	510	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	320	U	320	390	510	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	290	U	290	390	510	ug/Kg
191-24-2	Benzo(g,h,i)perylene	280	U	280	390	510	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	270	U	270	390	510	ug/Kg
123-91-1	1,4-Dioxane	350	U	350	390	510	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	250	390	510	ug/Kg
90-12-0	1-Methylnaphthalene	270	U	270	510	510	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	91.915		18-112		61	SPK: -150
13127-88-3	Phenol-d6	88.245		15-107		59	SPK: -150
4165-60-0	Nitrobenzene-d5	58.85		18-107		59	SPK: -100
321-60-8	2-Fluorobiphenyl	72.15		20-109		72	SPK: -100
118-79-6	2,4,6-Tribromophenol	78.785		10-110		53	SPK: -150
1718-51-0	Terphenyl-d14	47.295		14-112		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	217595	6.892				
1146-65-2	Naphthalene-d8	834098	8.163				
15067-26-2	Acenaphthene-d10	438791	9.922				
1517-22-2	Phenanthrene-d10	666613	11.416				
1719-03-5	Chrysene-d12	425526	14.08				
1520-96-3	Perylene-d12	463893	15.627				



Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	TR-04-030724	SDG No.:	BF030824
Lab Sample ID:	P1710-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137548.D	5	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	580	J			2.193	

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	RCA-1-COMP	SDG No.:	BF030824
Lab Sample ID:	P1701-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.3
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
BF137549.D	5	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	430	U	430	1500	1800	ug/Kg
110-86-1	Pyridine	400	U	400	720	940	ug/Kg
100-52-7	Benzaldehyde	820	U	820	1500	1800	ug/Kg
62-53-3	Aniline	640	U	640	720	940	ug/Kg
108-95-2	Phenol	410	U	410	720	940	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	490	U	490	720	940	ug/Kg
95-57-8	2-Chlorophenol	400	U	400	720	940	ug/Kg
95-50-1	1,2-Dichlorobenzene	450	U	450	720	940	ug/Kg
541-73-1	1,3-Dichlorobenzene	490	U	490	720	940	ug/Kg
106-46-7	1,4-Dichlorobenzene	450	U	450	720	940	ug/Kg
100-51-6	Benzyl Alcohol	540	U	540	1500	1800	ug/Kg
95-48-7	2-Methylphenol	630	U	630	720	940	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	580	U	580	720	940	ug/Kg
98-86-2	Acetophenone	480	U	480	720	940	ug/Kg
65794-96-9	3+4-Methylphenols	590	U	590	1500	1800	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	330	U	330	440	440	ug/Kg
67-72-1	Hexachloroethane	410	U	410	720	940	ug/Kg
98-95-3	Nitrobenzene	410	U	410	720	940	ug/Kg
78-59-1	Isophorone	380	U	380	720	940	ug/Kg
88-75-5	2-Nitrophenol	520	U	520	720	940	ug/Kg
105-67-9	2,4-Dimethylphenol	550	U	550	720	940	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	620	U	620	720	940	ug/Kg
120-83-2	2,4-Dichlorophenol	430	U	430	720	940	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	430	U	430	720	940	ug/Kg
65-85-0	Benzoic acid	1200	U	1200	1500	1800	ug/Kg
91-20-3	Naphthalene	450	U	450	720	940	ug/Kg
106-47-8	4-Chloroaniline	580	U	580	720	940	ug/Kg
87-68-3	Hexachlorobutadiene	460	U	460	720	940	ug/Kg
105-60-2	Caprolactam	640	U	640	1500	1800	ug/Kg
59-50-7	4-Chloro-3-methylphenol	450	U	450	720	940	ug/Kg
91-57-6	2-Methylnaphthalene	520	U	520	720	940	ug/Kg

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	RCA-1-COMP	SDG No.:	BF030824
Lab Sample ID:	P1701-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.3
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
BF137549.D	5	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1200	U	1200	1500	1800	ug/Kg
88-06-2	2,4,6-Trichlorophenol	420	U	420	720	940	ug/Kg
95-95-4	2,4,5-Trichlorophenol	480	U	480	720	940	ug/Kg
92-52-4	1,1-Biphenyl	500	U	500	720	940	ug/Kg
91-58-7	2-Chloronaphthalene	470	U	470	720	940	ug/Kg
88-74-4	2-Nitroaniline	550	U	550	720	940	ug/Kg
131-11-3	Dimethylphthalate	490	U	490	720	940	ug/Kg
208-96-8	Acenaphthylene	490	U	490	720	940	ug/Kg
606-20-2	2,6-Dinitrotoluene	500	U	500	720	940	ug/Kg
99-09-2	3-Nitroaniline	510	U	510	720	940	ug/Kg
83-32-9	Acenaphthene	440	U	440	720	940	ug/Kg
Total PAH	Total PAH	7920	U	7920	720	15040	ug/Kg
51-28-5	2,4-Dinitrophenol	990	U	990	1500	1800	ug/Kg
100-02-7	4-Nitrophenol	630	U	630	1500	1800	ug/Kg
132-64-9	Dibenzofuran	420	U	420	720	940	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1050	U	1050	720	1880	ug/Kg
121-14-2	2,4-Dinitrotoluene	550	U	550	720	940	ug/Kg
84-66-2	Diethylphthalate	470	U	470	720	940	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	500	U	500	720	940	ug/Kg
86-73-7	Fluorene	470	U	470	720	940	ug/Kg
100-01-6	4-Nitroaniline	570	U	570	720	940	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	480	U	480	1500	1800	ug/Kg
86-30-6	n-Nitrosodiphenylamine	510	U	510	720	940	ug/Kg
103-33-3	Azobenzene	400	U	400	720	940	ug/Kg
101-55-3	4-Bromophenyl-phenylether	540	U	540	720	940	ug/Kg
118-74-1	Hexachlorobenzene	540	U	540	720	940	ug/Kg
1912-24-9	Atrazine	530	U	530	720	940	ug/Kg
87-86-5	Pentachlorophenol	610	U	610	1500	1800	ug/Kg
85-01-8	Phenanthrene	510	U	510	720	940	ug/Kg
120-12-7	Anthracene	560	U	560	720	940	ug/Kg
86-74-8	Carbazole	470	U	470	720	940	ug/Kg
84-74-2	Di-n-butylphthalate	570	U	570	720	940	ug/Kg
206-44-0	Fluoranthene	520	U	520	720	940	ug/Kg

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	RCA-1-COMP	SDG No.:	BF030824
Lab Sample ID:	P1701-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.3
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
BF137549.D	5	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1100	U	1100	1500	1800	ug/Kg
129-00-0	Pyrene	460	U	460	720	940	ug/Kg
85-68-7	Butylbenzylphthalate	570	U	570	720	940	ug/Kg
91-94-1	3,3-Dichlorobenzidine	890	U	890	1500	1800	ug/Kg
56-55-3	Benzo(a)anthracene	460	U	460	720	940	ug/Kg
218-01-9	Chrysene	480	U	480	720	940	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	630	U	630	720	940	ug/Kg
117-84-0	Di-n-octyl phthalate	680	U	680	1500	1800	ug/Kg
205-99-2	Benzo(b)fluoranthene	440	U	440	720	940	ug/Kg
207-08-9	Benzo(k)fluoranthene	490	U	490	720	940	ug/Kg
50-32-8	Benzo(a)pyrene	520	U	520	720	940	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	590	U	590	720	940	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	530	U	530	720	940	ug/Kg
191-24-2	Benzo(g,h,i)perylene	510	U	510	720	940	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	490	U	490	720	940	ug/Kg
123-91-1	1,4-Dioxane	640	U	640	720	940	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	460	U	460	720	940	ug/Kg
90-12-0	1-Methylnaphthalene	500	U	500	940	940	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	87.53		18-112		58	SPK: -150
13127-88-3	Phenol-d6	81.965		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	54.36		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	73.18		20-109		73	SPK: -100
118-79-6	2,4,6-Tribromophenol	68.965		10-110		46	SPK: -150
1718-51-0	Terphenyl-d14	45.04		14-112		45	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	201211	6.892				
1146-65-2	Naphthalene-d8	769027	8.163				
15067-26-2	Acenaphthene-d10	388804	9.922				
1517-22-2	Phenanthrene-d10	561795	11.416				
1719-03-5	Chrysene-d12	411641	14.08				
1520-96-3	Perylene-d12	437032	15.627				



Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	RCA-1-COMP	SDG No.:	BF030824
Lab Sample ID:	P1701-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.3
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137549.D	5	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1200	J			2.193	

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	RCA-2-COMP	SDG No.:	BF030824
Lab Sample ID:	P1701-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
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
BF137550.D	5	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	420	U	420	1500	1800	ug/Kg
110-86-1	Pyridine	400	U	400	710	930	ug/Kg
100-52-7	Benzaldehyde	810	U	810	1500	1800	ug/Kg
62-53-3	Aniline	640	U	640	710	930	ug/Kg
108-95-2	Phenol	410	U	410	710	930	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	490	U	490	710	930	ug/Kg
95-57-8	2-Chlorophenol	390	U	390	710	930	ug/Kg
95-50-1	1,2-Dichlorobenzene	450	U	450	710	930	ug/Kg
541-73-1	1,3-Dichlorobenzene	480	U	480	710	930	ug/Kg
106-46-7	1,4-Dichlorobenzene	450	U	450	710	930	ug/Kg
100-51-6	Benzyl Alcohol	540	U	540	1500	1800	ug/Kg
95-48-7	2-Methylphenol	620	U	620	710	930	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	580	U	580	710	930	ug/Kg
98-86-2	Acetophenone	470	U	470	710	930	ug/Kg
65794-96-9	3+4-Methylphenols	590	U	590	1500	1800	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	320	U	320	440	440	ug/Kg
67-72-1	Hexachloroethane	400	U	400	710	930	ug/Kg
98-95-3	Nitrobenzene	410	U	410	710	930	ug/Kg
78-59-1	Isophorone	370	U	370	710	930	ug/Kg
88-75-5	2-Nitrophenol	520	U	520	710	930	ug/Kg
105-67-9	2,4-Dimethylphenol	550	U	550	710	930	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	610	U	610	710	930	ug/Kg
120-83-2	2,4-Dichlorophenol	430	U	430	710	930	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	420	U	420	710	930	ug/Kg
65-85-0	Benzoic acid	1200	U	1200	1500	1800	ug/Kg
91-20-3	Naphthalene	450	U	450	710	930	ug/Kg
106-47-8	4-Chloroaniline	580	U	580	710	930	ug/Kg
87-68-3	Hexachlorobutadiene	460	U	460	710	930	ug/Kg
105-60-2	Caprolactam	640	U	640	1500	1800	ug/Kg
59-50-7	4-Chloro-3-methylphenol	450	U	450	710	930	ug/Kg
91-57-6	2-Methylnaphthalene	520	U	520	710	930	ug/Kg

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	RCA-2-COMP	SDG No.:	BF030824
Lab Sample ID:	P1701-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
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
BF137550.D	5	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1200	U	1200	1500	1800	ug/Kg
88-06-2	2,4,6-Trichlorophenol	420	U	420	710	930	ug/Kg
95-95-4	2,4,5-Trichlorophenol	480	U	480	710	930	ug/Kg
92-52-4	1,1-Biphenyl	500	U	500	710	930	ug/Kg
91-58-7	2-Chloronaphthalene	460	U	460	710	930	ug/Kg
88-74-4	2-Nitroaniline	540	U	540	710	930	ug/Kg
131-11-3	Dimethylphthalate	490	U	490	710	930	ug/Kg
208-96-8	Acenaphthylene	480	U	480	710	930	ug/Kg
606-20-2	2,6-Dinitrotoluene	490	U	490	710	930	ug/Kg
99-09-2	3-Nitroaniline	510	U	510	710	930	ug/Kg
83-32-9	Acenaphthene	440	U	440	710	930	ug/Kg
Total PAH	Total PAH	7890	U	7890	710	14880	ug/Kg
51-28-5	2,4-Dinitrophenol	990	U	990	1500	1800	ug/Kg
100-02-7	4-Nitrophenol	620	U	620	1500	1800	ug/Kg
132-64-9	Dibenzofuran	420	U	420	710	930	ug/Kg
121-14-2	2,4-Dinitrotoluene	550	U	550	710	930	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1040	U	1040	710	1860	ug/Kg
84-66-2	Diethylphthalate	470	U	470	710	930	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	500	U	500	710	930	ug/Kg
86-73-7	Fluorene	460	U	460	710	930	ug/Kg
100-01-6	4-Nitroaniline	570	U	570	710	930	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	480	U	480	1500	1800	ug/Kg
86-30-6	n-Nitrosodiphenylamine	510	U	510	710	930	ug/Kg
103-33-3	Azobenzene	400	U	400	710	930	ug/Kg
101-55-3	4-Bromophenyl-phenylether	530	U	530	710	930	ug/Kg
118-74-1	Hexachlorobenzene	540	U	540	710	930	ug/Kg
1912-24-9	Atrazine	520	U	520	710	930	ug/Kg
87-86-5	Pentachlorophenol	610	U	610	1500	1800	ug/Kg
85-01-8	Phenanthrene	510	U	510	710	930	ug/Kg
120-12-7	Anthracene	560	U	560	710	930	ug/Kg
86-74-8	Carbazole	460	U	460	710	930	ug/Kg
84-74-2	Di-n-butylphthalate	570	U	570	710	930	ug/Kg
206-44-0	Fluoranthene	520	U	520	710	930	ug/Kg

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	RCA-2-COMP	SDG No.:	BF030824
Lab Sample ID:	P1701-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
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
BF137550.D	5	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1100	U	1100	1500	1800	ug/Kg
129-00-0	Pyrene	460	U	460	710	930	ug/Kg
85-68-7	Butylbenzylphthalate	560	U	560	710	930	ug/Kg
91-94-1	3,3-Dichlorobenzidine	880	U	880	1500	1800	ug/Kg
56-55-3	Benzo(a)anthracene	460	U	460	710	930	ug/Kg
218-01-9	Chrysene	480	U	480	710	930	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	630	U	630	710	930	ug/Kg
117-84-0	Di-n-octyl phthalate	670	U	670	1500	1800	ug/Kg
205-99-2	Benzo(b)fluoranthene	440	U	440	710	930	ug/Kg
207-08-9	Benzo(k)fluoranthene	480	U	480	710	930	ug/Kg
50-32-8	Benzo(a)pyrene	520	U	520	710	930	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	590	U	590	710	930	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	530	U	530	710	930	ug/Kg
191-24-2	Benzo(g,h,i)perylene	510	U	510	710	930	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	490	U	490	710	930	ug/Kg
123-91-1	1,4-Dioxane	640	U	640	710	930	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	450	U	450	710	930	ug/Kg
90-12-0	1-Methylnaphthalene	490	U	490	930	930	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	92.21		18-112		61	SPK: -150
13127-88-3	Phenol-d6	85.155		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	50.48		18-107		50	SPK: -100
321-60-8	2-Fluorobiphenyl	71.675		20-109		72	SPK: -100
118-79-6	2,4,6-Tribromophenol	69.17		10-110		46	SPK: -150
1718-51-0	Terphenyl-d14	45.845		14-112		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	197997	6.893				
1146-65-2	Naphthalene-d8	773738	8.163				
15067-26-2	Acenaphthene-d10	400833	9.922				
1517-22-2	Phenanthrene-d10	585003	11.416				
1719-03-5	Chrysene-d12	416942	14.08				
1520-96-3	Perylene-d12	428600	15.627				



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

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	RCA-2-COMP	SDG No.:	BF030824
Lab Sample ID:	P1701-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Injection Volume :		Decanted :	Level : LOW
		GPC Factor :	PH :
		GPC Cleanup :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137550.D	5	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1200	J			2.199	

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	RCA-3-COMP	SDG No.:	BF030824
Lab Sample ID:	P1701-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
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
BF137551.D	5	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	420	U	420	1500	1800	ug/Kg
110-86-1	Pyridine	400	U	400	710	930	ug/Kg
100-52-7	Benzaldehyde	810	U	810	1500	1800	ug/Kg
62-53-3	Aniline	640	U	640	710	930	ug/Kg
108-95-2	Phenol	410	U	410	710	930	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	490	U	490	710	930	ug/Kg
95-57-8	2-Chlorophenol	390	U	390	710	930	ug/Kg
95-50-1	1,2-Dichlorobenzene	450	U	450	710	930	ug/Kg
541-73-1	1,3-Dichlorobenzene	490	U	490	710	930	ug/Kg
106-46-7	1,4-Dichlorobenzene	450	U	450	710	930	ug/Kg
100-51-6	Benzyl Alcohol	540	U	540	1500	1800	ug/Kg
95-48-7	2-Methylphenol	620	U	620	710	930	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	580	U	580	710	930	ug/Kg
98-86-2	Acetophenone	480	U	480	710	930	ug/Kg
65794-96-9	3+4-Methylphenols	590	U	590	1500	1800	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	320	U	320	440	440	ug/Kg
67-72-1	Hexachloroethane	400	U	400	710	930	ug/Kg
98-95-3	Nitrobenzene	410	U	410	710	930	ug/Kg
78-59-1	Isophorone	370	U	370	710	930	ug/Kg
88-75-5	2-Nitrophenol	520	U	520	710	930	ug/Kg
105-67-9	2,4-Dimethylphenol	550	U	550	710	930	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	610	U	610	710	930	ug/Kg
120-83-2	2,4-Dichlorophenol	430	U	430	710	930	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	420	U	420	710	930	ug/Kg
65-85-0	Benzoic acid	1200	U	1200	1500	1800	ug/Kg
91-20-3	Naphthalene	450	U	450	710	930	ug/Kg
106-47-8	4-Chloroaniline	580	U	580	710	930	ug/Kg
87-68-3	Hexachlorobutadiene	460	U	460	710	930	ug/Kg
105-60-2	Caprolactam	640	U	640	1500	1800	ug/Kg
59-50-7	4-Chloro-3-methylphenol	450	U	450	710	930	ug/Kg
91-57-6	2-Methylnaphthalene	520	U	520	710	930	ug/Kg

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	RCA-3-COMP	SDG No.:	BF030824
Lab Sample ID:	P1701-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
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
BF137551.D	5	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1200	U	1200	1500	1800	ug/Kg
88-06-2	2,4,6-Trichlorophenol	420	U	420	710	930	ug/Kg
95-95-4	2,4,5-Trichlorophenol	480	U	480	710	930	ug/Kg
92-52-4	1,1-Biphenyl	500	U	500	710	930	ug/Kg
91-58-7	2-Chloronaphthalene	460	U	460	710	930	ug/Kg
88-74-4	2-Nitroaniline	540	U	540	710	930	ug/Kg
131-11-3	Dimethylphthalate	490	U	490	710	930	ug/Kg
208-96-8	Acenaphthylene	480	U	480	710	930	ug/Kg
606-20-2	2,6-Dinitrotoluene	490	U	490	710	930	ug/Kg
99-09-2	3-Nitroaniline	510	U	510	710	930	ug/Kg
83-32-9	Acenaphthene	440	U	440	710	930	ug/Kg
Total PAH	Total PAH	7890	U	7890	710	14880	ug/Kg
51-28-5	2,4-Dinitrophenol	990	U	990	1500	1800	ug/Kg
100-02-7	4-Nitrophenol	620	U	620	1500	1800	ug/Kg
132-64-9	Dibenzofuran	420	U	420	710	930	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1040	U	1040	710	1860	ug/Kg
121-14-2	2,4-Dinitrotoluene	550	U	550	710	930	ug/Kg
84-66-2	Diethylphthalate	470	U	470	710	930	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	500	U	500	710	930	ug/Kg
86-73-7	Fluorene	460	U	460	710	930	ug/Kg
100-01-6	4-Nitroaniline	570	U	570	710	930	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	480	U	480	1500	1800	ug/Kg
86-30-6	n-Nitrosodiphenylamine	510	U	510	710	930	ug/Kg
103-33-3	Azobenzene	400	U	400	710	930	ug/Kg
101-55-3	4-Bromophenyl-phenylether	530	U	530	710	930	ug/Kg
118-74-1	Hexachlorobenzene	540	U	540	710	930	ug/Kg
1912-24-9	Atrazine	520	U	520	710	930	ug/Kg
87-86-5	Pentachlorophenol	610	U	610	1500	1800	ug/Kg
85-01-8	Phenanthrene	510	U	510	710	930	ug/Kg
120-12-7	Anthracene	560	U	560	710	930	ug/Kg
86-74-8	Carbazole	470	U	470	710	930	ug/Kg
84-74-2	Di-n-butylphthalate	570	U	570	710	930	ug/Kg
206-44-0	Fluoranthene	520	U	520	710	930	ug/Kg

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	RCA-3-COMP	SDG No.:	BF030824
Lab Sample ID:	P1701-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
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
BF137551.D	5	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1100	U	1100	1500	1800	ug/Kg
129-00-0	Pyrene	460	U	460	710	930	ug/Kg
85-68-7	Butylbenzylphthalate	560	U	560	710	930	ug/Kg
91-94-1	3,3-Dichlorobenzidine	880	U	880	1500	1800	ug/Kg
56-55-3	Benzo(a)anthracene	460	U	460	710	930	ug/Kg
218-01-9	Chrysene	480	U	480	710	930	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	630	U	630	710	930	ug/Kg
117-84-0	Di-n-octyl phthalate	670	U	670	1500	1800	ug/Kg
205-99-2	Benzo(b)fluoranthene	440	U	440	710	930	ug/Kg
207-08-9	Benzo(k)fluoranthene	480	U	480	710	930	ug/Kg
50-32-8	Benzo(a)pyrene	520	U	520	710	930	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	590	U	590	710	930	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	530	U	530	710	930	ug/Kg
191-24-2	Benzo(g,h,i)perylene	510	U	510	710	930	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	490	U	490	710	930	ug/Kg
123-91-1	1,4-Dioxane	640	U	640	710	930	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	450	U	450	710	930	ug/Kg
90-12-0	1-Methylnaphthalene	490	U	490	930	930	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	86.255		18-112		58	SPK: -150
13127-88-3	Phenol-d6	79.485		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	50.39		18-107		50	SPK: -100
321-60-8	2-Fluorobiphenyl	69.75		20-109		70	SPK: -100
118-79-6	2,4,6-Tribromophenol	63.095		10-110		42	SPK: -150
1718-51-0	Terphenyl-d14	41.58		14-112		42	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	202382	6.886				
1146-65-2	Naphthalene-d8	786070	8.157				
15067-26-2	Acenaphthene-d10	398391	9.916				
1517-22-2	Phenanthrene-d10	555127	11.41				
1719-03-5	Chrysene-d12	419122	14.074				
1520-96-3	Perylene-d12	409770	15.621				



Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	RCA-3-COMP	SDG No.:	BF030824
Lab Sample ID:	P1701-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
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
BF137551.D	5	3/8/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1000	J			2.181	

Hit Summary Sheet

SW-846

SDG No.: BF030824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COMP-1DL								
P1688-01DL	COMP-1DL	Solid	Acenaphthene	260.000	JD	210	450	ug/Kg
P1688-01DL	COMP-1DL	Solid	Anthracene	1,000.000	D	270	450	ug/Kg
P1688-01DL	COMP-1DL	Solid	Benzo(a)anthracene	3,100.000	D	220	450	ug/Kg
P1688-01DL	COMP-1DL	Solid	Benzo(a)pyrene	2,700.000	D	250	450	ug/Kg
P1688-01DL	COMP-1DL	Solid	Benzo(b)fluoranthene	3,500.000	D	210	450	ug/Kg
P1688-01DL	COMP-1DL	Solid	Benzo(g,h,i)perylene	1,200.000	D	240	450	ug/Kg
P1688-01DL	COMP-1DL	Solid	Benzo(k)fluoranthene	980.000	D	230	450	ug/Kg
P1688-01DL	COMP-1DL	Solid	Chrysene	2,600.000	D	230	450	ug/Kg
P1688-01DL	COMP-1DL	Solid	Dibenzo(a,h)anthracene	350.000	JD	250	450	ug/Kg
P1688-01DL	COMP-1DL	Solid	Fluoranthene	4,700.000	D	250	450	ug/Kg
P1688-01DL	COMP-1DL	Solid	Indeno(1,2,3-cd)pyrene	1,100.000	D	280	450	ug/Kg
P1688-01DL	COMP-1DL	Solid	Phenanthrene	4,300.000	D	240	450	ug/Kg
P1688-01DL	COMP-1DL	Solid	Pyrene	4,100.000	D	220	450	ug/Kg
P1688-01DL	COMP-1DL	Solid	Total PAH	29,890.000	D	3760	7200	ug/Kg
Total Svoc :				59,780.00				
Total Concentration:				59,780.00				
Client ID : RCA-1-COMP								
P1701-01	RCA-1-COMP	Solid	Butane, 2-methoxy-2-methyl-	*	1,200.000	J		
Total Tics :				1,200.00				
Total Concentration:				1,200.00				
Client ID : RCA-2-COMP								
P1701-02	RCA-2-COMP	Solid	Butane, 2-methoxy-2-methyl-	*	1,200.000	J		
Total Tics :				1,200.00				
Total Concentration:				1,200.00				
Client ID : RCA-3-COMP								
P1701-03	RCA-3-COMP	Solid	Butane, 2-methoxy-2-methyl-	*	1,000.000	J		
Total Tics :				1,000.00				
Total Concentration:				1,000.00				
Client ID : TP-1								
P1705-01	TP-1	Solid	3,9-Dimethylbenz[a]anthracene	*	140.000	J		
P1705-01	TP-1	Solid	9,10-Dimethylanthracene	*	390.000	J		
P1705-01	TP-1	Solid	Anthracene, 2-methyl-	*	260.000	J		
P1705-01	TP-1	Solid	Anthracene, 9-methyl-	*	180.000	J		
P1705-01	TP-1	Solid	Benz(a)anthracene, 7,8-dimethyl-	*	150.000	J		
P1705-01	TP-1	Solid	Benz(a)anthracene, 8,12-dimethyl	*	210.000	J		
P1705-01	TP-1	Solid	Benz[a]anthracene, 2-methyl-	*	190.000	J		
P1705-01	TP-1	Solid	Butane, 2-methoxy-2-methyl-	*	520.000	J		

Hit Summary Sheet SW-846

SDG No.: BF030824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1705-01	TP-1	Solid	di-p-Tolylacetylene	*	160.000	J		
P1705-01	TP-1	Solid	Perylene	*	430.000	J		
P1705-01	TP-1	Solid	Phenanthrene, 1,7-dimethyl-	*	150.000	J		
P1705-01	TP-1	Solid	Phenanthrene, 1-methyl-	*	330.000	J		
P1705-01	TP-1	Solid	Phenanthrene, 2,3,5-trimethyl-	*	170.000	J		
P1705-01	TP-1	Solid	Phenanthrene, 2,3-dimethyl-	*	540.000	J		
P1705-01	TP-1	Solid	Phenanthrene, 2,5-dimethyl-	*	260.000	J		
P1705-01	TP-1	Solid	Phenanthrene, 2-methyl-	*	330.000	J		
P1705-01	TP-1	Solid	Phenanthrene, 3,6-dimethyl-	*	280.000	J		
P1705-01	TP-1	Solid	Pyrene, 1-methyl-	*	190.000	J		
P1705-01	TP-1	Solid	Pyrene, 2-methyl-	*	190.000	J		
P1705-01	TP-1	Solid	Pyrene, 4-methyl-	*	150.000	J		
Total Tics :					5,220.00			
P1705-01	TP-1	Solid	Acenaphthylene		90.100	J	62.9	120 ug/Kg
P1705-01	TP-1	Solid	Benzo(a)anthracene		500.000		59.7	120 ug/Kg
P1705-01	TP-1	Solid	Benzo(a)pyrene		490.000		67.1	120 ug/Kg
P1705-01	TP-1	Solid	Benzo(b)fluoranthene		490.000		57.1	120 ug/Kg
P1705-01	TP-1	Solid	Benzo(g,h,i)perylene		220.000		65.8	120 ug/Kg
P1705-01	TP-1	Solid	Benzo(k)fluoranthene		170.000		62.7	120 ug/Kg
P1705-01	TP-1	Solid	Chrysene		530.000		61.7	120 ug/Kg
P1705-01	TP-1	Solid	Fluoranthene		460.000		67.1	120 ug/Kg
P1705-01	TP-1	Solid	Indeno(1,2,3-cd)pyrene		140.000		76.1	120 ug/Kg
P1705-01	TP-1	Solid	Phenanthrene		260.000		65.9	120 ug/Kg
P1705-01	TP-1	Solid	Pyrene		690.000		59.5	120 ug/Kg
Total Svoc :					4,040.10			
Total Concentration:					9,260.10			
Client ID : TP-2								
P1705-03	TP-2	Solid	Butane, 2-methoxy-2-methyl-	*	560.000	J		
P1705-03	TP-2	Solid	Cyclotetradecane	*	81.400	J		
P1705-03	TP-2	Solid	n-Hexadecanoic acid	*	77.400	J		
Total Tics :					718.80			
Total Concentration:					718.80			
Client ID : TP-2B								
P1705-05	TP-2B	Solid	Bacchotricuneatin c	*	82.700	J		
P1705-05	TP-2B	Solid	Butane, 2-methoxy-2-methyl-	*	570.000	J		
P1705-05	TP-2B	Solid	Decane, 1-iodo-	*	120.000	J		
P1705-05	TP-2B	Solid	Heptacosane	*	67.000	J		
P1705-05	TP-2B	Solid	Heptadecane	*	59.400	J		
P1705-05	TP-2B	Solid	Heptadecane, 2,6,10,15-tetramethy	*	230.000	J		
P1705-05	TP-2B	Solid	Mesitylene	*	77.600	J		
P1705-05	TP-2B	Solid	Naphthalene, 2,3-dimethyl-	*	110.000	J		

Hit Summary Sheet SW-846

SDG No.: BF030824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1705-05	TP-2B	Solid	Naphthalene, 2,7-dimethyl-	*	61.100	J		
P1705-05	TP-2B	Solid	Oxalic acid, isobutyl hexadecyl es	*	83.700	J		
P1705-05	TP-2B	Solid	Pentadecane	*	100.000	J		
P1705-05	TP-2B	Solid	Pentadecane, 2,6,10-trimethyl-	*	270.000	J		
P1705-05	TP-2B	Solid	Pentyl dotriacontyl ether	*	150.000	J		
P1705-05	TP-2B	Solid	Tetradecane	*	100.000	J		
P1705-05	TP-2B	Solid	Tridecane	*	120.000	J		
P1705-05	TP-2B	Solid	Tridecane, 5-propyl-	*	510.000	J		
P1705-05	TP-2B	Solid	Tritetracontane	*	82.200	J		
P1705-05	TP-2B	Solid	Undecane, 2,7-dimethyl-	*	71.100	J		
P1705-05	TP-2B	Solid	Undecane, 5-ethyl-5-propyl-	*	66.000	J		
Total Tics :					2,930.80			
P1705-05	TP-2B	Solid	1-Methylnaphthalene		130.000	65.7	120	ug/Kg
P1705-05	TP-2B	Solid	2-Methylnaphthalene		94.500	J 69.1	120	ug/Kg
P1705-05	TP-2B	Solid	Naphthalene		290.000	59.2	120	ug/Kg
P1705-05	TP-2B	Solid	Phenanthrene		99.900	J 67.5	120	ug/Kg
Total Svoc :					614.40			
Total Concentration:					3,545.20			
Client ID : TR-04-030724								
P1710-01	TR-04-030724	Solid	Butane, 2-methoxy-2-methyl-	*	580.000	J		
Total Tics :					580.00			
Total Concentration:					580.00			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF022924

SAS No.: BF022924

SDG No.: BF022924

Instrument ID: _____

Calibration Date(s): 2/29/2024 : _____

Calibration Time(s): 12:44 _____

LAB FILE ID:		RRF2.5 = BF137439.D		RRF005 = BF137440.D		RRF010 = BF137441.D		
		RRF020 = BF137442.D		RRF040 = BF137443.D		RRF050 = BF137444.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine			0.425	0.628	0.700	0.710	0.652	17.9
Pyridine		1.361	1.529	1.895	1.910	1.832	1.741	12.2
2-Fluorophenol		1.221	1.350	1.475	1.380	1.318	1.321	7.1
Benzaldehyde		0.824	0.936	1.041	1.001	0.950	0.934	8.1
Aniline		2.090	2.322	2.553	2.462	2.343	2.329	6.8
Phenol-d6		1.987	2.007	2.095	1.924	1.832	1.906	7.4
Phenol		2.046	2.142	2.271	2.125	2.004	2.052	7.5
bis(2-Chloroethyl)ether		1.600	1.380	1.546	1.577	1.523	1.503	5.4
2-Chlorophenol		1.432	1.462	1.537	1.417	1.354	1.393	7.4
1,2-Dichlorobenzene		1.533	1.522	1.553	1.399	1.334	1.398	10.6
1,3-Dichlorobenzene		1.559	1.559	1.620	1.505	1.437	1.488	6.9
1,4-Dichlorobenzene		1.659	1.572	1.670	1.544	1.449	1.523	8.2
Benzyl Alcohol		1.046	1.221	1.364	1.272	1.190	1.187	9.6
2-Methylphenol		1.299	1.348	1.410	1.325	1.277	1.303	5.3
2,2-oxybis(1-Chloropropane)		2.765	2.745	2.815	2.596	2.486	2.584	8.1
Acetophenone		0.508	0.525	0.540	0.480	0.467	0.484	9.2
3+4-Methylphenols		1.518	1.665	1.745	1.509	1.408	1.493	11.8
n-Nitroso-di-n-propylamine	1.240	1.246	1.252	1.290	1.161	1.097	1.177	7.9
Nitrobenzene-d5		0.418	0.437	0.471	0.441	0.427	0.430	5.4
Hexachloroethane		0.497	0.502	0.546	0.513	0.493	0.501	5.1
Nitrobenzene		0.406	0.434	0.465	0.440	0.439	0.432	4.7
Isophorone		0.816	0.831	0.862	0.820	0.807	0.818	3.3
2-Nitrophenol		0.140	0.162	0.182	0.178	0.183	0.172	9.2
2,4-Dimethylphenol		0.312	0.330	0.351	0.327	0.319	0.321	5.7
bis(2-Chloroethoxy)methane		0.465	0.498	0.522	0.488	0.476	0.480	5.5
2,4-Dichlorophenol		0.279	0.296	0.322	0.302	0.297	0.294	5.4
1,2,4-Trichlorobenzene		0.323	0.326	0.332	0.310	0.302	0.310	6.3
Benzoic acid			0.123	0.141	0.165	0.182	0.167	17.9
Naphthalene		1.163	1.163	1.192	1.058	1.028	1.073	9.7
4-Chloroaniline		0.369	0.430	0.467	0.444	0.430	0.421	8.4
Hexachlorobutadiene		0.191	0.191	0.195	0.184	0.177	0.183	5.7
Caprolactam		0.095	0.096	0.104	0.102	0.102	0.100	3.8
4-Chloro-3-methylphenol		0.328	0.335	0.354	0.336	0.325	0.329	4.6
2-Methylnaphthalene		0.732	0.748	0.760	0.684	0.654	0.684	9.8
Hexachlorocyclopentadiene			0.084	0.141	0.190	0.211	0.180	31.6
2,4,6-Trichlorophenol		0.355	0.355	0.387	0.375	0.364	0.364	3.8

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BF022924

SAS No.: BF022924

SDG No.: BF022924

Instrument ID:

Calibration Date(s): 2/29/2024

Calibration Time(s): 12:44

LAB FILE ID:		RRF2.5 = BF137439.D		RRF005 = BF137440.D		RRF010 = BF137441.D		
		RRF020 = BF137442.D		RRF040 = BF137443.D		RRF050 = BF137444.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.509	1.467	1.412	1.240	1.157	1.278	14.5
2,4,5-Trichlorophenol		0.413	0.398	0.464	0.428	0.417	0.419	5.5
1,1-Biphenyl		1.595	1.586	1.619	1.465	1.379	1.464	9.8
2-Chloronaphthalene		1.192	1.170	1.217	1.122	1.067	1.116	7.4
2-Nitroaniline		0.289	0.345	0.399	0.402	0.411	0.379	12.1
Dimethylphthalate		1.476	1.481	1.498	1.378	1.327	1.392	6.8
Acenaphthylene		1.993	1.932	1.981	1.798	1.679	1.786	11.0
2,6-Dinitrotoluene		0.270	0.283	0.315	0.300	0.292	0.291	5.1
3-Nitroaniline		0.269	0.291	0.311	0.329	0.323	0.308	7.1
Acenaphthene		1.175	1.160	1.179	1.057	0.997	1.066	10.0
2,4-Dinitrophenol			0.044	0.088	0.122	0.131	0.111	34.5
4-Nitrophenol			0.104	0.181	0.206	0.216	0.190	23.6
Dibenzofuran		1.816	1.800	1.834	1.615	1.513	1.624	12.3
2,4-Dinitrotoluene		0.310	0.356	0.397	0.378	0.370	0.358	8.2
Diethylphthalate		1.401	1.415	1.438	1.311	1.250	1.315	8.3
4-Chlorophenyl-phenylether		0.701	0.682	0.674	0.589	0.564	0.611	12.0
Fluorene		1.447	1.420	1.402	1.211	1.129	1.247	14.0
4-Nitroaniline		0.217	0.238	0.296	0.273	0.277	0.265	10.5
4,6-Dinitro-2-methylphenol			0.080	0.107	0.117	0.121	0.111	14.7
n-Nitrosodiphenylamine		0.669	0.687	0.699	0.636	0.625	0.644	6.6
Azobenzene		1.617	1.602	1.647	1.524	1.452	1.514	7.7
2,4,6-Tribromophenol		0.169	0.174	0.187	0.175	0.173	0.176	3.3
4-Bromophenyl-phenylether		0.213	0.219	0.236	0.221	0.216	0.218	4.3
Hexachlorobenzene		0.225	0.225	0.233	0.217	0.217	0.220	4.1
Atrazine		0.190	0.199	0.214	0.197	0.195	0.196	4.8
Pentachlorophenol			0.105	0.133	0.139	0.142	0.133	10.7
Phenanthrene		1.206	1.195	1.203	1.058	1.036	1.088	10.4
Anthracene		1.203	1.195	1.248	1.088	1.085	1.118	9.1
Carbazole		0.998	1.027	1.062	0.952	0.931	0.958	8.4
Di-n-butylphthalate		1.192	1.203	1.255	1.140	1.116	1.139	7.6
Fluoranthene		1.208	1.167	1.185	1.030	1.005	1.064	11.6
Benzidine			0.375	0.497	0.568	0.541	0.489	14.4
Pyrene		1.874	1.929	2.096	2.064	1.969	1.962	4.9
Terphenyl-d14		1.470	1.472	1.534	1.490	1.441	1.454	4.2
Butylbenzylphthalate		0.405	0.441	0.506	0.527	0.540	0.501	11.4
3,3-Dichlorobenzidine		0.274	0.318	0.390	0.417	0.398	0.373	14.8

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF022924

SAS No.: BF022924

SDG No.: BF022924

Instrument ID: _____

Calibration Date(s): 2/29/2024 : _____

Calibration Time(s): 12:44 : _____

LAB FILE ID:		RRF2.5 = BF137439.D			RRF005 = BF137440.D		RRF010 = BF137441.D	
		RRF020 = BF137442.D			RRF040 = BF137443.D		RRF050 = BF137444.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.401	1.405	1.519	1.416	1.380	1.402	4.6
Chrysene		1.427	1.407	1.493	1.447	1.384	1.417	3.1
Bis(2-ethylhexyl)phthalate		0.540	0.560	0.655	0.677	0.668	0.637	9.6
Di-n-octyl phthalate			0.808	0.979	1.196	1.170	1.120	17.1
Benzo(b)fluoranthene		1.181	1.174	1.292	1.200	1.166	1.183	5.0
Benzo(k)fluoranthene		1.372	1.359	1.352	1.231	1.217	1.271	7.2
Benzo(a)pyrene		1.115	1.144	1.249	1.210	1.165	1.166	4.5
Indeno(1,2,3-cd)pyrene		1.135	1.258	1.395	1.392	1.355	1.316	7.2
Dibenzo(a,h)anthracene		0.901	1.008	1.134	1.134	1.101	1.068	8.2
Benzo(g,h,i)perylene		0.943	1.030	1.171	1.162	1.132	1.096	7.6
1,2,4,5-Tetrachlorobenzene		0.576	0.584	0.609	0.563	0.543	0.558	6.5
1,4-Dioxane		0.715	0.716	0.764	0.742	0.710	0.722	3.5
2,3,4,6-Tetrachlorophenol		0.336	0.346	0.363	0.341	0.329	0.336	5.0
1-Methylnaphthalene		0.704	0.710	0.718	0.635	0.605	0.644	10.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BF030824 SAS No.: BF030824 SDG NO.: BF030824EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 8 2024 12:00AMLab File ID: BF137443.D Time Analyzed: 13:35Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	211004	6.804	833843	8.08	463807	9.84
	UPPER LIMIT	422008	7.304	1667686	8.581	927614	10.339
	LOWER LIMIT	105502	6.304	416921.5	7.581	231903.5	9.339
	EPA SAMPLE NO.						
01	PB159511BL	240702	6.89	944930	8.16	526592	9.92
02	PB159511BS	231621	6.89	944738	8.16	513530	9.92
03	TP-2	221717	6.88	866653	8.15	466984	9.91
04	TP-2B	217366	6.89	832414	8.16	448540	9.92
05	TP-2BMS	222491	6.89	841755	8.16	458376	9.92
06	TP-2BMSD	216612	6.89	820184	8.16	443124	9.92
07	COMP-1DL	205831	6.89	791160	8.16	422398	9.92
08	TP-1	224611	6.89	864593	8.16	454913	9.92
09	TR-04-030724	217595	6.89	834098	8.16	438791	9.92
10	RCA-1-COMP	201211	6.89	769027	8.16	388804	9.92
11	RCA-2-COMP	197997	6.89	773738	8.16	400833	9.92
12	RCA-3-COMP	202382	6.89	786070	8.16	398391	9.92

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.: BF030824 SAS No.: BF030824 SDG NO.: BF030824EPA Sample No.: SSTDCCC040 Date Analyzed: Mar 8 2024 12:00AMLab File ID: BF137539.D Time Analyzed: 13:35Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	239407	6.887	934029	8.16	527883	9.92
	UPPER LIMIT	478814	7.387	1868058	8.657	1055766	10.416
	LOWER LIMIT	119703.5	6.387	467014.5	7.657	263941.5	9.416
	EPA SAMPLE NO.						
01	PB159511BL	240702	6.89	944930	8.16	526592	9.92
02	PB159511BS	231621	6.89	944738	8.16	513530	9.92
03	TP-2	221717	6.88	866653	8.15	466984	9.91
04	TP-2B	217366	6.89	832414	8.16	448540	9.92
05	TP-2BMS	222491	6.89	841755	8.16	458376	9.92
06	TP-2BMSD	216612	6.89	820184	8.16	443124	9.92
07	COMP-1DL	205831	6.89	791160	8.16	422398	9.92
08	TP-1	224611	6.89	864593	8.16	454913	9.92
09	TR-04-030724	217595	6.89	834098	8.16	438791	9.92
10	RCA-1-COMP	201211	6.89	769027	8.16	388804	9.92
11	RCA-2-COMP	197997	6.89	773738	8.16	400833	9.92
12	RCA-3-COMP	202382	6.89	786070	8.16	398391	9.92

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF030824 SAS No.: BF030824 SDG NO.: BF030824

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

Lab File ID: BF137443.D Time Analyzed: 13:35

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	794722	11.328	399789	13.986	384521	15.486
UPPER LIMIT	1589444	11.828	799578	14.486	769042	15.986
LOWER LIMIT	397361	10.828	199894.5	13.486	192260.5	14.986
EPA SAMPLE NO.						
01 PB159511BL	970195	11.41	605851	14.07	491195	15.62
02 PB159511BS	930256	11.42	473680	14.08	448672	15.62
03 TP-2	778475	11.40	463092	14.07	464999	15.61
04 TP-2B	741755	11.41	439264	14.07	456930	15.62
05 TP-2BMS	741015	11.42	396099	14.08	475261	15.62
06 TP-2BMDS	731030	11.42	380902	14.08	454964	15.62
07 COMP-1DL	661903	11.42	369602	14.08	442990	15.63
08 TP-1	688233	11.42	425435	14.08	466018	15.63
09 TR-04-030724	666613	11.42	425526	14.08	463893	15.63
10 RCA-1-COMP	561795	11.42	411641	14.08	437032	15.63
11 RCA-2-COMP	585003	11.42	416942	14.08	428600	15.63
12 RCA-3-COMP	555127	11.41	419122	14.07	409770	15.62

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF030824 SAS No.: BF030824 SDG NO.: BF030824

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

Lab File ID: BF137539.D Time Analyzed: 13:35

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	894183	11.41	470852	14.074	496101	15.615
UPPER LIMIT	1788366	11.91	941704	14.574	992202	16.115
LOWER LIMIT	447091.5	10.91	235426	13.574	248050.5	15.115
EPA SAMPLE NO.						
01 PB159511BL	970195	11.41	605851	14.07	491195	15.62
02 PB159511BS	930256	11.42	473680	14.08	448672	15.62
03 TP-2	778475	11.40	463092	14.07	464999	15.61
04 TP-2B	741755	11.41	439264	14.07	456930	15.62
05 TP-2BMS	741015	11.42	396099	14.08	475261	15.62
06 TP-2BMSD	731030	11.42	380902	14.08	454964	15.62
07 COMP-1DL	661903	11.42	369602	14.08	442990	15.63
08 TP-1	688233	11.42	425435	14.08	466018	15.63
09 TR-04-030724	666613	11.42	425526	14.08	463893	15.63
10 RCA-1-COMP	561795	11.42	411641	14.08	437032	15.63
11 RCA-2-COMP	585003	11.42	416942	14.08	428600	15.63
12 RCA-3-COMP	555127	11.41	419122	14.07	409770	15.62

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.: BF030824

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159511BS	n-Nitrosodimethylamine	1700	1500	ug/Kg	88				57	103	
	Pyridine	1700	1200	ug/Kg	71				28	98	
	Benzaldehyde	1700	1500	ug/Kg	88				10	147	
	Aniline	1700	800	ug/Kg	47				38	100	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88				51	102	
	1,3-Dichlorobenzene	1700	1500	ug/Kg	88				52	99	
	1,4-Dichlorobenzene	1700	1500	ug/Kg	88				52	100	
	Benzyl Alcohol	1700	1700	ug/Kg	100				42	116	
	2-Methylphenol	1700	1400	ug/Kg	82				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	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1600	ug/Kg	94				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1700	ug/Kg	100				61	111	
	2,4-Dimethylphenol	1700	1300	ug/Kg	76				67	119	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				53	105	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	1,2,4-Trichlorobenzene	1700	1500	ug/Kg	88				44	110	
	Benzoic acid	1700	1600	ug/Kg	94				10	140	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	510	ug/Kg	30				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1600	ug/Kg	94				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	3200	ug/Kg	97				45	134	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1400	ug/Kg	82				57	104	
	Total PAH	27200	24200	ug/Kg	89				57	104	
	2,4-Dinitrophenol	3300	3400	ug/Kg	103				37	128	
	4-Nitrophenol	3300	3100	ug/Kg	94				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	



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

SDG No.: BF030824

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB159511BS	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106		
	2,4-Dinitrotoluene/2,6-Dinitrotr	3400	3200	ug/Kg	94				60	106		
	Diethylphthalate	1700	1500	ug/Kg	88				60	101		
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98		
	Fluorene	1700	1400	ug/Kg	82				61	101		
	4-Nitroaniline	1700	1600	ug/Kg	94				64	103		
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113		
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				56	107		
	Azobenzene	1700	1500	ug/Kg	88				54	103		
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				55	99		
	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98		
	Atrazine	1700	1400	ug/Kg	82				67	113		
	Pentachlorophenol	3300	2900	ug/Kg	88				67	105		
	Phenanthrene	1700	1400	ug/Kg	82				59	103		
	Anthracene	1700	1400	ug/Kg	82				61	105		
	Carbazole	1700	1400	ug/Kg	82				61	99		
	Di-n-butylphthalate	1700	1400	ug/Kg	82				58	104		
	Fluoranthene	1700	1400	ug/Kg	82				57	107		
	Benzidine	3300	680	ug/Kg	21				10	98		
	Pyrene	1700	1500	ug/Kg	88				59	103		
	Butylbenzylphthalate	1700	1900	ug/Kg	112		*		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	1800	ug/Kg	106				63	111		
	Di-n-octyl phthalate	1700	1700	ug/Kg	100				70	108		
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				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	1500	ug/Kg	88				53	101		
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96		
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108		
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130		



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159511BL

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM

Case No.: BF030824

SAS No.: BF030824

SDG NO.: BF030824

Lab File ID: BF137540.D

Lab Sample ID: PB159511BL

Instrument ID: BNA_F

Date Extracted: 03/08/2024

Matrix: (soil/water) Solid

Date Analyzed: 03/08/2024

Level: (low/med) LOW

Time Analyzed: 13:35

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159511BS	PB159511BS	BF137541.D	03/08/2024
TP-2	P1705-03	BF137542.D	03/08/2024
TP-2B	P1705-05	BF137543.D	03/08/2024
TP-2BMS	P1705-05MS	BF137544.D	03/08/2024
TP-2BMSD	P1705-05MSD	BF137545.D	03/08/2024
TP-1	P1705-01	BF137547.D	03/08/2024
TR-04-030724	P1710-01	BF137548.D	03/08/2024
RCA-1-COMP	P1701-01	BF137549.D	03/08/2024
RCA-2-COMP	P1701-02	BF137550.D	03/08/2024
RCA-3-COMP	P1701-03	BF137551.D	03/08/2024

COMMENTS:

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF030824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
Lab Sample ID:	P1705-05MS	Client Sample ID:	TP-2BMS					DataFile:	BF137544.D		
n-Nitrosodimethylamine	1200		990	ug/Kg	83				66	124	
Pyridine	1200		860	ug/Kg	72				45	119	
Benzaldehyde	1200		720	ug/Kg	60				26	163	
Aniline	1200		550	ug/Kg	46				10	88	
Phenol	1200		960	ug/Kg	80				67	126	
bis(2-Chloroethyl)ether	1200		950	ug/Kg	79				74	116	
2-Chlorophenol	1200		1000	ug/Kg	83				61	138	
1,2-Dichlorobenzene	1200		1000	ug/Kg	83				61	105	
1,3-Dichlorobenzene	1200		1000	ug/Kg	83				62	101	
1,4-Dichlorobenzene	1200		1000	ug/Kg	83				63	104	
Benzyl Alcohol	1200		1100	ug/Kg	92				47	126	
2-Methylphenol	1200		880	ug/Kg	73				66	122	
2,2-oxybis(1-Chloropropane)	1200		910	ug/Kg	76				52	115	
Acetophenone	1200		1000	ug/Kg	83				75	111	
3+4-Methylphenols	1200		880	ug/Kg	73				53	132	
N-Nitroso-di-n-propylamine	1200		880	ug/Kg	73				59	119	
Hexachloroethane	1200		1100	ug/Kg	92				65	117	
Nitrobenzene	1200		970	ug/Kg	81				70	119	
Isophorone	1200		980	ug/Kg	82				76	122	
2-Nitrophenol	1200		1100	ug/Kg	92				54	145	
2,4-Dimethylphenol	1200		810	ug/Kg	68	*			83	144	
bis(2-Chloroethoxy)methane	1200		990	ug/Kg	83				68	112	
2,4-Dichlorophenol	1200		1000	ug/Kg	83				72	118	
1,2,4-Trichlorobenzene	1200		1000	ug/Kg	83				57	103	
Benzoic acid	1200		870	ug/Kg	73				50	104	
Naphthalene	1200	290	1100	ug/Kg	68	*			72	110	
4-Chloroaniline	1200		170	ug/Kg	14				10	100	
Hexachlorobutadiene	1200		1000	ug/Kg	83				66	114	
Caprolactam	1200		1000	ug/Kg	83				51	134	
4-Chloro-3-methylphenol	1200		990	ug/Kg	83				57	132	
2-Methylnaphthalene	1200	94.5	1000	ug/Kg	75				59	123	
Hexachlorocyclopentadiene	2400		2100	ug/Kg	88				10	175	
2,4,6-Trichlorophenol	1200		1000	ug/Kg	83				72	117	
2,4,5-Trichlorophenol	1200		970	ug/Kg	81				72	117	
1,1-Biphenyl	1200		980	ug/Kg	82				75	113	
2-Chloronaphthalene	1200		1000	ug/Kg	83				67	118	
2-Nitroaniline	1200		1000	ug/Kg	83				69	127	
Dimethylphthalate	1200		950	ug/Kg	79				70	113	
Acenaphthylene	1200		1000	ug/Kg	83				79	118	
2,6-Dinitrotoluene	1200		1000	ug/Kg	83				70	125	
3-Nitroaniline	1200		440	ug/Kg	37				20	111	
Acenaphthene	1200		950	ug/Kg	79				70	121	
Total PAH	19200	0	15690	ug/Kg	82				70	121	
2,4-Dinitrophenol	2400		1800	ug/Kg	75				16	160	
4-Nitrophenol	2400		1900	ug/Kg	79				45	133	
Dibenzofuran	1200		940	ug/Kg	78				72	110	
2,4-Dinitrotoluene	1200		1000	ug/Kg	83				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF030824

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	2400		2000	ug/Kg	83				55	128	
Diethylphthalate	1200		950	ug/Kg	79				70	112	
4-Chlorophenyl-phenylether	1200		920	ug/Kg	77				71	108	
Fluorene	1200		940	ug/Kg	78				68	116	
4-Nitroaniline	1200		940	ug/Kg	78				55	120	
4,6-Dinitro-2-methylphenol	1200		1100	ug/Kg	92				32	145	
N-Nitrosodiphenylamine	1200		990	ug/Kg	83				73	118	
Azobenzene	1200		940	ug/Kg	78				73	110	
4-Bromophenyl-phenylether	1200		1000	ug/Kg	83				65	121	
Hexachlorobenzene	1200		1100	ug/Kg	92				67	118	
Atrazine	1200		1100	ug/Kg	92				79	127	
Pentachlorophenol	2400		1800	ug/Kg	75				47	128	
Phenanthrene	1200	99.9	1000	ug/Kg	75				72	113	
Anthracene	1200		990	ug/Kg	83				62	124	
Carbazole	1200		970	ug/Kg	81				59	119	
Di-n-butylphthalate	1200		1000	ug/Kg	83				69	118	
Fluoranthene	1200		940	ug/Kg	78				59	125	
Benzidine	2400		1100	ug/Kg	46				10	119	
Pyrene	1200	0	960	ug/Kg	80				52	128	
Butylbenzylphthalate	1200		1300	ug/Kg	108				64	126	
3,3-Dichlorobenzidine	1200		690	ug/Kg	58				10	164	
Benzo(a)anthracene	1200		1000	ug/Kg	83				71	114	
Chrysene	1200		1000	ug/Kg	83				57	121	
bis(2-Ethylhexyl)phthalate	1200		1400	ug/Kg	117				66	127	
Di-n-octyl phthalate	1200		1300	ug/Kg	108				71	126	
Benzo(b)fluoranthene	1200		1100	ug/Kg	92				67	121	
Benzo(k)fluoranthene	1200		910	ug/Kg	76				74	114	
Benzo(a)pyrene	1200		1000	ug/Kg	83				70	142	
Indeno(1,2,3-cd)pyrene	1200		970	ug/Kg	81				61	125	
Dibenz(a,h)anthracene	1200		960	ug/Kg	80				67	130	
Benzo(g,h,i)perylene	1200		870	ug/Kg	73				53	140	
1,2,4,5-Tetrachlorobenzene	1200		1000	ug/Kg	83				69	124	
1,4-Dioxane	1200		890	ug/Kg	74				46	112	
2,3,4,6-Tetrachlorophenol	1200		980	ug/Kg	82				56	133	
1-Methylnaphthalene	1200	130	990	ug/Kg	72				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF030824

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P1705-05MSD	Client Sample ID:	TP-2BMSD					DataFile:	BF137545.D		
n-Nitrosodimethylamine	1200		940	ug/Kg	78		6		66	124	20
Pyridine	1200		820	ug/Kg	68		6		45	119	20
Benzaldehyde	1200		700	ug/Kg	58		3		26	163	20
Aniline	1200		540	ug/Kg	45		2		10	88	20
Phenol	1200		930	ug/Kg	78		3		67	126	20
bis(2-Chloroethyl)ether	1200		930	ug/Kg	78		1		74	116	20
2-Chlorophenol	1200		1000	ug/Kg	83		0		61	138	20
1,2-Dichlorobenzene	1200		1000	ug/Kg	83		0		61	105	20
1,3-Dichlorobenzene	1200		980	ug/Kg	82		1		62	101	20
1,4-Dichlorobenzene	1200		980	ug/Kg	82		1		63	104	20
Benzyl Alcohol	1200		1100	ug/Kg	92		0		47	126	20
2-Methylphenol	1200		860	ug/Kg	72		1		66	122	20
2,2-oxybis(1-Chloropropane)	1200		880	ug/Kg	73		4		52	115	20
Acetophenone	1200		990	ug/Kg	83		0		75	111	20
3+4-Methylphenols	1200		870	ug/Kg	73		0		53	132	20
N-Nitroso-di-n-propylamine	1200		870	ug/Kg	73		0		59	119	20
Hexachloroethane	1200		1000	ug/Kg	83		10		65	117	20
Nitrobenzene	1200		970	ug/Kg	81		0		70	119	20
Isophorone	1200		940	ug/Kg	78		5		76	122	20
2-Nitrophenol	1200		1100	ug/Kg	92		0		54	145	20
2,4-Dimethylphenol	1200		800	ug/Kg	67	*	1		83	144	20
bis(2-Chloroethoxy)methane	1200		970	ug/Kg	81		2		68	112	20
2,4-Dichlorophenol	1200		1000	ug/Kg	83		0		72	118	20
1,2,4-Trichlorobenzene	1200		1000	ug/Kg	83		0		57	103	20
Benzoic acid	1200		850	ug/Kg	71		3		50	104	20
Naphthalene	1200	290	1100	ug/Kg	68	*	0		72	110	20
4-Chloroaniline	1200		180	ug/Kg	15		7		10	100	20
Hexachlorobutadiene	1200		1000	ug/Kg	83		0		66	114	20
Caprolactam	1200		1000	ug/Kg	83		0		51	134	20
4-Chloro-3-methylphenol	1200		980	ug/Kg	82		1		57	132	20
2-Methylnaphthalene	1200	94.5	970	ug/Kg	73		3		59	123	20
Hexachlorocyclopentadiene	2400		1900	ug/Kg	79		11		10	175	20
2,4,6-Trichlorophenol	1200		1000	ug/Kg	83		0		72	117	20
2,4,5-Trichlorophenol	1200		980	ug/Kg	82		1		72	117	20
1,1-Biphenyl	1200		980	ug/Kg	82		0		75	113	20
2-Chloronaphthalene	1200		1000	ug/Kg	83		0		67	118	20
2-Nitroaniline	1200		1000	ug/Kg	83		0		69	127	20
Dimethylphthalate	1200		950	ug/Kg	79		0		70	113	20
Acenaphthylene	1200		1000	ug/Kg	83		0		79	118	20
2,6-Dinitrotoluene	1200		1000	ug/Kg	83		0		70	125	20
3-Nitroaniline	1200		460	ug/Kg	38		3		20	111	20
Acenaphthene	1200		940	ug/Kg	78		1		70	121	20
Total PAH	19200	0	15470	ug/Kg	81		1		70	121	20
2,4-Dinitrophenol	2400		1800	ug/Kg	75		0		16	160	20
4-Nitrophenol	2400		1900	ug/Kg	79		0		45	133	20
Dibenzofuran	1200		940	ug/Kg	78		0		72	110	20
2,4-Dinitrotoluene	1200		1000	ug/Kg	83		0		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF030824

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	2400		2000	ug/Kg	83		0		55	128	20
Diethylphthalate	1200		940	ug/Kg	78		1		70	112	20
4-Chlorophenyl-phenylether	1200		900	ug/Kg	75		3		71	108	20
Fluorene	1200		940	ug/Kg	78		0		68	116	20
4-Nitroaniline	1200		980	ug/Kg	82		5		55	120	20
4,6-Dinitro-2-methylphenol	1200		1100	ug/Kg	92		0		32	145	20
N-Nitrosodiphenylamine	1200		970	ug/Kg	81		2		73	118	20
Azobenzene	1200		930	ug/Kg	78		0		73	110	20
4-Bromophenyl-phenylether	1200		1000	ug/Kg	83		0		65	121	20
Hexachlorobenzene	1200		1100	ug/Kg	92		0		67	118	20
Atrazine	1200		1100	ug/Kg	92		0		79	127	20
Pentachlorophenol	2400		1800	ug/Kg	75		0		47	128	20
Phenanthrene	1200	99.9	990	ug/Kg	74		1		72	113	20
Anthracene	1200		970	ug/Kg	81		2		62	124	20
Carbazole	1200		960	ug/Kg	80		1		59	119	20
Di-n-butylphthalate	1200		1000	ug/Kg	83		0		69	118	20
Fluoranthene	1200		910	ug/Kg	76		3		59	125	20
Benzidine	2400		1100	ug/Kg	46		0		10	119	20
Pyrene	1200	0	960	ug/Kg	80		0		52	128	20
Butylbenzylphthalate	1200		1300	ug/Kg	108		0		64	126	20
3,3-Dichlorobenzidine	1200		690	ug/Kg	58		0		10	164	20
Benzo(a)anthracene	1200		1000	ug/Kg	83		0		71	114	20
Chrysene	1200		1000	ug/Kg	83		0		57	121	20
bis(2-Ethylhexyl)phthalate	1200		1300	ug/Kg	108		8		66	127	20
Di-n-octyl phthalate	1200		1200	ug/Kg	100		8		71	126	20
Benzo(b)fluoranthene	1200		1100	ug/Kg	92		0		67	121	20
Benzo(k)fluoranthene	1200		890	ug/Kg	74		3		74	114	20
Benzo(a)pyrene	1200		990	ug/Kg	83		0		70	142	20
Indeno(1,2,3-cd)pyrene	1200		930	ug/Kg	78		4		61	125	20
Dibenz(a,h)anthracene	1200		930	ug/Kg	78		3		67	130	20
Benzo(g,h,i)perylene	1200		820	ug/Kg	68		7		53	140	20
1,2,4,5-Tetrachlorobenzene	1200		1000	ug/Kg	83		0		69	124	20
1,4-Dioxane	1200		860	ug/Kg	72		3		46	112	20
2,3,4,6-Tetrachlorophenol	1200		970	ug/Kg	81		1		56	133	20
1-Methylnaphthalene	1200	130	990	ug/Kg	72		0		70	130	20



Surrogate Summary
SW-846

SDG No.: BF030824

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1688-01DL	COMP-1DL	BF137546.D	2-Fluorophenol	150	98.52	66		18	112
			Phenol-d6	150	92.62	62		15	107
			Nitrobenzene-d5	100	65.05	65		18	107
			2-Fluorobiphenyl	100	69.08	69		20	109
			2,4,6-Tribromophenol	150	87.68	58		10	110
			Terphenyl-d14	100	53.17	53		14	112

Surrogate Summary

SW-846

SDG No.: **BF030824**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1701-01	RCA-1-COMP	BF137549.D	2-Fluorophenol	150	87.53	58		18	112
			Phenol-d6	150	81.97	55		15	107
			Nitrobenzene-d5	100	54.36	54		18	107
			2-Fluorobiphenyl	100	73.18	73		20	109
			2,4,6-Tribromophenol	150	68.97	46		10	110
			Terphenyl-d14	100	45.04	45		14	112
P1701-02	RCA-2-COMP	BF137550.D	2-Fluorophenol	150	92.21	61		18	112
			Phenol-d6	150	85.16	57		15	107
			Nitrobenzene-d5	100	50.48	50		18	107
			2-Fluorobiphenyl	100	71.68	72		20	109
			2,4,6-Tribromophenol	150	69.17	46		10	110
			Terphenyl-d14	100	45.85	46		14	112
P1701-03	RCA-3-COMP	BF137551.D	2-Fluorophenol	150	86.26	58		18	112
			Phenol-d6	150	79.49	53		15	107
			Nitrobenzene-d5	100	50.39	50		18	107
			2-Fluorobiphenyl	100	69.75	70		20	109
			2,4,6-Tribromophenol	150	63.10	42		10	110
			Terphenyl-d14	100	41.58	42		14	112
P1705-01	TP-1	BF137547.D	2-Fluorophenol	150	79.98	53		18	112
			Phenol-d6	150	76.53	51		15	107
			Nitrobenzene-d5	100	52.91	53		18	107
			2-Fluorobiphenyl	100	49.80	50		20	109
			2,4,6-Tribromophenol	150	75.26	50		10	110
			Terphenyl-d14	100	34.68	35		14	112
P1705-03	TP-2	BF137542.D	2-Fluorophenol	150	86.41	58		18	112
			Phenol-d6	150	81.95	55		15	107
			Nitrobenzene-d5	100	56.15	56		18	107
			2-Fluorobiphenyl	100	54.98	55		20	109
			2,4,6-Tribromophenol	150	84.83	57		10	110
			Terphenyl-d14	100	45.73	46		14	112
P1705-05	TP-2B	BF137543.D	2-Fluorophenol	150	88.58	59		18	112
			Phenol-d6	150	82.73	55		15	107
			Nitrobenzene-d5	100	56.98	57		18	107
			2-Fluorobiphenyl	100	54.93	55		20	109
			2,4,6-Tribromophenol	150	86.32	58		10	110
			Terphenyl-d14	100	46.73	47		14	112
P1705-05MS	TP-2BMS	BF137544.D	2-Fluorophenol	150	73.62	49		18	112
			Phenol-d6	150	69.10	46		15	107
			Nitrobenzene-d5	100	49.18	49		18	107
			2-Fluorobiphenyl	100	46.52	47		20	109
			2,4,6-Tribromophenol	150	73.42	49		10	110
			Terphenyl-d14	100	42.10	42		14	112
P1705-05MSD	TP-2BMSD	BF137545.D	2-Fluorophenol	150	73.22	49		18	112
			Phenol-d6	150	68.36	46		15	107
			Nitrobenzene-d5	100	48.33	48		18	107
			2-Fluorobiphenyl	100	45.90	46		20	109
			2,4,6-Tribromophenol	150	72.91	49		10	110
			Terphenyl-d14	100	41.78	42		14	112
P1710-01	TR-04-030724	BF137548.D	2-Fluorophenol	150	91.92	61		18	112
			Phenol-d6	150	88.25	59		15	107
			Nitrobenzene-d5	100	58.85	59		18	107



Surrogate Summary
SW-846

SDG No.: BF030824

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1710-01	TR-04-030724	BF137548.D	2-Fluorobiphenyl	100	72.15	72		20	109
			2,4,6-Tribromophenol	150	78.79	53		10	110
			Terphenyl-d14	100	47.30	47		14	112
PB159511BL	PB159511BL	BF137540.D	2-Fluorophenol	150	114.26	76		18	112
			Phenol-d6	150	108.88	73		15	107
			Nitrobenzene-d5	100	76.51	77		18	107
			2-Fluorobiphenyl	100	74.29	74		20	109
			2,4,6-Tribromophenol	150	130.27	87		10	110
			Terphenyl-d14	100	70.35	70		14	112
PB159511BS	PB159511BS	BF137541.D	2-Fluorophenol	150	126.15	84		18	112
			Phenol-d6	150	120.82	81		15	107
			Nitrobenzene-d5	100	83.36	83		18	107
			2-Fluorobiphenyl	100	81.57	82		20	109
			2,4,6-Tribromophenol	150	151.58	101		10	110
			Terphenyl-d14	100	86.39	86		14	112



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF030824

Lab Code: CHEM

SAS No.: BF030824 SDG NO.: BF030824

Lab File ID: BF137538.D

DFTPP Injection Date: 03/08/2024

Instrument ID: BNA_F

DFTPP Injection Time: 12:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.6
68	Less than 2.0% of mass 69	0.6 (1.5) 1
69	Mass 69 relative abundance	37.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	44.3
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	25.2
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	96.9
443	15.0 - 24.0% of mass 442	19.1 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF137539.D	03/08/2024	13:05
PB159511BL	PB159511BL	BF137540.D	03/08/2024	13:35
PB159511BS	PB159511BS	BF137541.D	03/08/2024	14:05
TP-2	P1705-03	BF137542.D	03/08/2024	14:41
TP-2B	P1705-05	BF137543.D	03/08/2024	15:11
TP-2BMS	P1705-05MS	BF137544.D	03/08/2024	15:41
TP-2BMSD	P1705-05MSD	BF137545.D	03/08/2024	16:11
COMP-1DL	P1688-01DL	BF137546.D	03/08/2024	16:41
TP-1	P1705-01	BF137547.D	03/08/2024	17:10
TR-04-030724	P1710-01	BF137548.D	03/08/2024	17:40
RCA-1-COMP	P1701-01	BF137549.D	03/08/2024	18:10
RCA-2-COMP	P1701-02	BF137550.D	03/08/2024	18:41
RCA-3-COMP	P1701-03	BF137551.D	03/08/2024	19:11