

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF032224 SAS No.: BF032224 SDG No.: BF032224

Instrument ID: BNA_F Calibration Date/Time: 3/22/2024 1:12:40

Lab File ID: BF137677.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	0.600		-7.975	
Pyridine	1.741	1.670		-4.078	
2-Fluorophenol	1.321	1.270		-3.861	
Benzaldehyde	0.934	0.868		-7.066	
Aniline	2.329	2.148		-7.772	
Phenol-d6	1.906	1.715		-10.021	
Phenol	2.052	1.858		-9.454	20.0
bis(2-Chloroethyl)ether	1.503	1.388		-7.651	
2-Chlorophenol	1.393	1.312		-5.815	
1,2-Dichlorobenzene	1.398	1.300		-7.01	
1,3-Dichlorobenzene	1.488	1.402		-5.78	
1,4-Dichlorobenzene	1.523	1.420		-6.763	20.0
Benzyl Alcohol	1.187	1.155		-2.696	
2-Methylphenol	1.303	1.203		-7.675	
2,2-oxybis(1-Chloropropane)	2.584	2.082		-19.427	
Acetophenone	0.484	0.458		-5.372	
3+4-Methylphenols	1.493	1.364		-8.64	
n-Nitroso-di-n-propylamine	1.177	0.991	0.050	-15.803	
Nitrobenzene-d5	0.430	0.410		-4.651	
Hexachloroethane	0.501	0.479		-4.391	
Nitrobenzene	0.432	0.412		-4.63	
Isophorone	0.818	0.732		-10.513	
2-Nitrophenol	0.172	0.182		5.814	20.0
2,4-Dimethylphenol	0.321	0.311		-3.115	
bis(2-Chloroethoxy)methane	0.480	0.454		-5.417	
2,4-Dichlorophenol	0.294	0.291		-1.02	20.0
1,2,4-Trichlorobenzene	0.310	0.304		-1.935	
Benzoic acid	0.167	0.128		-23.353	
Naphthalene	1.073	1.011		-5.778	
4-Chloroaniline	0.421	0.405		-3.8	
Hexachlorobutadiene	0.183	0.182		-0.546	20.0
Caprolactam	0.100	0.094		-6.0	
4-Chloro-3-methylphenol	0.329	0.312		-5.167	20.0
2-Methylnaphthalene	0.684	0.645		-5.702	
Hexachlorocyclopentadiene	0.180	0.159	0.050	-11.667	
2,4,6-Trichlorophenol	0.364	0.367		0.824	20.0
2-Fluorobiphenyl	1.278	1.214		-5.008	
2,4,5-Trichlorophenol	0.419	0.405		-3.341	
1,1-Biphenyl	1.464	1.401		-4.303	
2-Chloronaphthalene	1.116	1.077		-3.495	
2-Nitroaniline	0.379	0.383		1.055	



7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF032224 SAS No.: BF032224 SDG No.: BF032224

Instrument ID: BNA_F Calibration Date/Time: 3/22/2024 1:12:40

Lab File ID: BF137677.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
Dimethylphthalate	1.392	1.307		-6.106	
Acenaphthylene	1.786	1.671		-6.439	
2,6-Dinitrotoluene	0.291	0.289		-0.687	
3-Nitroaniline	0.308	0.307		-0.325	
Acenaphthene	1.066	0.989		-7.223	20.0
2,4-Dinitrophenol	0.111	0.107	0.050	-3.604	
4-Nitrophenol	0.190	0.184	0.050	-3.158	
Dibenzofuran	1.624	1.494		-8.005	
2,4-Dinitrotoluene	0.358	0.348		-2.793	
Diethylphthalate	1.315	1.213		-7.757	
4-Chlorophenyl-phenylether	0.611	0.566		-7.365	
Fluorene	1.247	1.137		-8.821	
4-Nitroaniline	0.265	0.254		-4.151	
4,6-Dinitro-2-methylphenol	0.111	0.105		-5.405	
n-Nitrosodiphenylamine	0.644	0.651		1.087	20.0
Azobenzene	1.514	1.327		-12.351	
2,4,6-Tribromophenol	0.176	0.170		-3.409	
4-Bromophenyl-phenylether	0.218	0.225		3.211	
Hexachlorobenzene	0.220	0.226		2.727	
Atrazine	0.196	0.199		1.531	
Pentachlorophenol	0.133	0.120		-9.774	20.0
Phenanthrene	1.088	1.020		-6.25	
Anthracene	1.118	1.044		-6.619	
Carbazole	0.958	0.895		-6.576	
Di-n-butylphthalate	1.139	1.120		-1.668	
Fluoranthene	1.064	0.915		-14.004	20.0
Benzidine	0.489	0.382		-21.881	
Pyrene	1.962	1.739		-11.366	
Terphenyl-d14	1.454	1.360		-6.465	
Butylbenzylphthalate	0.501	0.669		33.533	
3,3-Dichlorobenzidine	0.373	0.431		15.55	
Benzo (a) anthracene	1.402	1.283		-8.488	
Chrysene	1.417	1.326		-6.422	
Bis (2-ethylhexyl) phthalate	0.637	0.875		37.363	
Di-n-octyl phthalate	1.120	1.458		30.179	20.0
Benzo (b) fluoranthene	1.183	1.094		-7.523	
Benzo (k) fluoranthene	1.271	1.122		-11.723	
Benzo (a) pyrene	1.166	1.094		-6.175	20.0
Indeno (1,2,3-cd) pyrene	1.316	1.104		-16.109	
Dibenzo (a,h) anthracene	1.068	0.922		-13.67	
Benzo (g,h,i) perylene	1.096	0.869		-20.712	



7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF032224 SAS No.: BF032224 SDG No.: BF032224

Instrument ID: BNA_F Calibration Date/Time: 3/22/2024 1:12:40

Lab File ID: BF137677.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
1,2,4,5-Tetrachlorobenzene	0.558	0.564		1.075	
1,4-Dioxane	0.722	0.658		-8.864	20.0
2,3,4,6-Tetrachlorophenol	0.336	0.305		-9.226	
1-Methylnaphthalene	0.644	0.595		-7.609	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	PB159737BL	SDG No.:	BF032224
Lab Sample ID:	PB159737BL	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
BF137678.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.8	U	86.8	270	330	ug/Kg
110-86-1	Pyridine	79.9	U	79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.9	U	96.9	130	170	ug/Kg
108-95-2	Phenol	82.9	U	82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.6	U	84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	86	U	86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.5	U	86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	83	U	83	270	330	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	130	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	83	U	83	130	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	130	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.4	U	85.4	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	130	170	ug/Kg
105-60-2	Caprolactam	86.8	U	86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	PB159737BL	SDG No.:	BF032224
Lab Sample ID:	PB159737BL	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
BF137678.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	U	74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.4	U	87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	95	U	95	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	86.5	U	86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	130	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	130	170	ug/Kg
Total PAH	Total PAH	1325.1	U	1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.4	U	84.4	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	69.4	U	169.4	130	340	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	130	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.6	U	81.6	130	170	ug/Kg
103-33-3	Azobenzene	79.6	U	79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	85	U	85	130	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	84	U	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	PB159737BL	SDG No.:	BF032224
Lab Sample ID:	PB159737BL	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
BF137678.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83	U	83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	130	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	116.466		18-112		78	SPK: -150
13127-88-3	Phenol-d6	107.473		15-107		72	SPK: -150
4165-60-0	Nitrobenzene-d5	76.953		18-107		77	SPK: -100
321-60-8	2-Fluorobiphenyl	79.777		20-109		80	SPK: -100
118-79-6	2,4,6-Tribromophenol	126.69		10-110		84	SPK: -150
1718-51-0	Terphenyl-d14	73.695		14-112		74	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	223147	6.728				
1146-65-2	Naphthalene-d8	875292	8.004				
15067-26-2	Acenaphthene-d10	465734	9.757				
1517-22-2	Phenanthrene-d10	785572	11.245				
1719-03-5	Chrysene-d12	431500	13.874				
1520-96-3	Perylene-d12	405074	15.304				



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

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	PB159737BL	SDG No.:	BF032224
Lab Sample ID:	PB159737BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137678.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	140	A			4.957	
000111-06-8	Hexadecanoic acid, butyl ester	100	J			12.651	
000123-95-5	Octadecanoic acid, butyl ester	70.3	J			13.357	
000544-77-4	Hexadecane, 1-iodo-	86	J			14.969	
000646-31-1	Tetracosane	130	J			15.739	
000638-67-5	Tricosane	140	J			16.215	
000629-78-7	Heptadecane	110	J			16.774	
1000406-32-0	Tetracosane, 1-iodo-	100	J			17.433	

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	JC-03-03192024-ADL	SDG No.:	BF032224
Lab Sample ID:	P1804-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137679.D	10	3/20/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	550	U	550	1700	2100	ug/Kg
110-86-1	Pyridine	500	U	500	820	1100	ug/Kg
100-52-7	Benzaldehyde	1100	U	1100	1700	2100	ug/Kg
62-53-3	Aniline	610	U	610	820	1100	ug/Kg
108-95-2	Phenol	520	U	520	820	1100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	530	U	530	820	1100	ug/Kg
95-57-8	2-Chlorophenol	530	U	530	820	1100	ug/Kg
95-50-1	1,2-Dichlorobenzene	530	U	530	820	1100	ug/Kg
541-73-1	1,3-Dichlorobenzene	540	U	540	820	1100	ug/Kg
106-46-7	1,4-Dichlorobenzene	550	U	550	820	1100	ug/Kg
100-51-6	Benzyl Alcohol	520	U	520	1700	2100	ug/Kg
95-48-7	2-Methylphenol	510	U	510	820	1100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	570	U	570	820	1100	ug/Kg
98-86-2	Acetophenone	550	U	550	820	1100	ug/Kg
65794-96-9	3+4-Methylphenols	500	U	500	1700	2100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	250	U	250	510	510	ug/Kg
67-72-1	Hexachloroethane	520	U	520	820	1100	ug/Kg
98-95-3	Nitrobenzene	570	U	570	820	1100	ug/Kg
78-59-1	Isophorone	530	U	530	820	1100	ug/Kg
88-75-5	2-Nitrophenol	600	U	600	820	1100	ug/Kg
105-67-9	2,4-Dimethylphenol	590	U	590	820	1100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	540	U	540	820	1100	ug/Kg
120-83-2	2,4-Dichlorophenol	480	U	480	820	1100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	540	U	540	820	1100	ug/Kg
65-85-0	Benzoic acid	1500	U	1500	1700	2100	ug/Kg
91-20-3	Naphthalene	720	JD	520	820	1100	ug/Kg
106-47-8	4-Chloroaniline	520	U	520	820	1100	ug/Kg
87-68-3	Hexachlorobutadiene	530	U	530	820	1100	ug/Kg
105-60-2	Caprolactam	550	U	550	1700	2100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	490	U	490	820	1100	ug/Kg
91-57-6	2-Methylnaphthalene	520	U	520	820	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	JC-03-03192024-ADL	SDG No.:	BF032224
Lab Sample ID:	P1804-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137679.D	10	3/20/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	990	U	990	1700	2100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	450	U	450	820	1100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	470	U	470	820	1100	ug/Kg
92-52-4	1,1-Biphenyl	550	U	550	820	1100	ug/Kg
91-58-7	2-Chloronaphthalene	530	U	530	820	1100	ug/Kg
88-74-4	2-Nitroaniline	600	U	600	820	1100	ug/Kg
131-11-3	Dimethylphthalate	520	U	520	820	1100	ug/Kg
208-96-8	Acenaphthylene	550	U	550	820	1100	ug/Kg
606-20-2	2,6-Dinitrotoluene	530	U	530	820	1100	ug/Kg
99-09-2	3-Nitroaniline	560	U	560	820	1100	ug/Kg
83-32-9	Acenaphthene	740	JD	510	820	1100	ug/Kg
Total PAH	Total PAH	34260	D	8360	820	17600	ug/Kg
51-28-5	2,4-Dinitrophenol	1500	U	1500	1700	2100	ug/Kg
100-02-7	4-Nitrophenol	730	U	730	1700	2100	ug/Kg
132-64-9	Dibenzofuran	530	U	530	820	1100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1070	U	1070	820	2200	ug/Kg
121-14-2	2,4-Dinitrotoluene	540	U	540	820	1100	ug/Kg
84-66-2	Diethylphthalate	510	U	510	820	1100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	540	U	540	820	1100	ug/Kg
86-73-7	Fluorene	1000	JD	540	820	1100	ug/Kg
100-01-6	4-Nitroaniline	680	U	680	820	1100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	740	U	740	1700	2100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	520	U	520	820	1100	ug/Kg
103-33-3	Azobenzene	500	U	500	820	1100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	500	U	500	820	1100	ug/Kg
118-74-1	Hexachlorobenzene	540	U	540	820	1100	ug/Kg
1912-24-9	Atrazine	580	U	580	820	1100	ug/Kg
87-86-5	Pentachlorophenol	490	U	490	1700	2100	ug/Kg
85-01-8	Phenanthrene	4800	D	530	820	1100	ug/Kg
120-12-7	Anthracene	1500	D	530	820	1100	ug/Kg
86-74-8	Carbazole	510	U	510	820	1100	ug/Kg
84-74-2	Di-n-butylphthalate	530	U	530	820	1100	ug/Kg
206-44-0	Fluoranthene	5400	D	520	820	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	JC-03-03192024-ADL	SDG No.:	BF032224
Lab Sample ID:	P1804-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137679.D	10	3/20/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1000	U	1000	1700	2100	ug/Kg
129-00-0	Pyrene	4300	D	520	820	1100	ug/Kg
85-68-7	Butylbenzylphthalate	610	U	610	820	1100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	620	U	620	1700	2100	ug/Kg
56-55-3	Benzo(a)anthracene	3000	D	510	820	1100	ug/Kg
218-01-9	Chrysene	2500	D	500	820	1100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	570	U	570	820	1100	ug/Kg
117-84-0	Di-n-octyl phthalate	700	U	700	1700	2100	ug/Kg
205-99-2	Benzo(b)fluoranthene	3800	D	510	820	1100	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100	D	520	820	1100	ug/Kg
50-32-8	Benzo(a)pyrene	2800	D	590	820	1100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1200	D	490	820	1100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	510	U	510	820	1100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400	D	510	820	1100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	550	U	550	820	1100	ug/Kg
123-91-1	1,4-Dioxane	700	U	700	820	1100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	470	U	470	820	1100	ug/Kg
90-12-0	1-Methylnaphthalene	530	U	530	1100	1100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	68.11		18-112		45	SPK: -150
13127-88-3	Phenol-d6	66.23		15-107		44	SPK: -150
4165-60-0	Nitrobenzene-d5	42.77		18-107		43	SPK: -100
321-60-8	2-Fluorobiphenyl	58.36		20-109		58	SPK: -100
118-79-6	2,4,6-Tribromophenol	68.05		10-110		45	SPK: -150
1718-51-0	Terphenyl-d14	45.15		14-112		45	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	226884	6.728				
1146-65-2	Naphthalene-d8	887967	8.01				
15067-26-2	Acenaphthene-d10	475819	9.757				
1517-22-2	Phenanthrene-d10	723619	11.245				
1719-03-5	Chrysene-d12	426857	13.88				
1520-96-3	Perylene-d12	479682	15.304				



Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	JC-03-03192024-ADL	SDG No.:	BF032224
Lab Sample ID:	P1804-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137679.D	10	3/20/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	B-148-SB03	SDG No.:	BF032224
Lab Sample ID:	P1817-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.4
Sample Wt/Vol:	30.08	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
BF137680.D	1	3/21/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	98.8	U	98.8	310	380	ug/Kg
110-86-1	Pyridine	91	U	91	150	190	ug/Kg
100-52-7	Benzaldehyde	210	U	210	310	380	ug/Kg
62-53-3	Aniline	110	U	110	150	190	ug/Kg
108-95-2	Phenol	94.4	U	94.4	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	95.3	U	95.3	150	190	ug/Kg
95-57-8	2-Chlorophenol	95.1	U	95.1	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	96.3	U	96.3	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	97.9	U	97.9	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	98.5	U	98.5	150	190	ug/Kg
100-51-6	Benzyl Alcohol	94.5	U	94.5	310	380	ug/Kg
95-48-7	2-Methylphenol	91.8	U	91.8	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	150	190	ug/Kg
98-86-2	Acetophenone	98.9	U	98.9	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	90.9	U	90.9	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	45.9	U	45.9	91.1	91.1	ug/Kg
67-72-1	Hexachloroethane	94.5	U	94.5	150	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	150	190	ug/Kg
78-59-1	Isophorone	96.3	U	96.3	150	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	97.7	U	97.7	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	86	U	86	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	97.2	U	97.2	150	190	ug/Kg
65-85-0	Benzoic acid	270	U	270	310	380	ug/Kg
91-20-3	Naphthalene	94	U	94	150	190	ug/Kg
106-47-8	4-Chloroaniline	94	U	94	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	94.8	U	94.8	150	190	ug/Kg
105-60-2	Caprolactam	98.8	U	98.8	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	88.2	U	88.2	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	93.9	U	93.9	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	B-148-SB03	SDG No.:	BF032224
Lab Sample ID:	P1817-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.4
Sample Wt/Vol:	30.08	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
BF137680.D	1	3/21/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	180	U	180	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	81.3	U	81.3	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	84.3	U	84.3	150	190	ug/Kg
92-52-4	1,1-Biphenyl	99.5	U	99.5	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	94.8	U	94.8	150	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	190	ug/Kg
131-11-3	Dimethylphthalate	93	U	93	150	190	ug/Kg
208-96-8	Acenaphthylene	98.5	U	98.5	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	94.7	U	94.7	150	190	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	150	190	ug/Kg
83-32-9	Acenaphthene	110	J	92.3	150	190	ug/Kg
Total PAH	Total PAH	5420		1512.5	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	310	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	380	ug/Kg
132-64-9	Dibenzofuran	96.1	U	96.1	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	98.1	U	98.1	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	92.8	U	192.8	150	380	ug/Kg
84-66-2	Diethylphthalate	91.2	U	91.2	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	97.5	U	97.5	150	190	ug/Kg
86-73-7	Fluorene	97.3	U	97.3	150	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	92.9	U	92.9	150	190	ug/Kg
103-33-3	Azobenzene	90.6	U	90.6	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	89.8	U	89.8	150	190	ug/Kg
118-74-1	Hexachlorobenzene	96.8	U	96.8	150	190	ug/Kg
1912-24-9	Atrazine	100	U	100	150	190	ug/Kg
87-86-5	Pentachlorophenol	88	U	88	310	380	ug/Kg
85-01-8	Phenanthrene	810		95.6	150	190	ug/Kg
120-12-7	Anthracene	200		96.1	150	190	ug/Kg
86-74-8	Carbazole	91.4	U	91.4	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	96	U	96	150	190	ug/Kg
206-44-0	Fluoranthene	910		93	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	B-148-SB03	SDG No.:	BF032224
Lab Sample ID:	P1817-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.4
Sample Wt/Vol:	30.08	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
BF137680.D	1	3/21/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	310	380	ug/Kg
129-00-0	Pyrene	720		94.5	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	520		91.9	150	190	ug/Kg
218-01-9	Chrysene	450		90.5	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	680		92.3	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	170	J	94	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	440		110	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	200		88.9	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	92.4	U	92.4	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	210		91.2	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	98.8	U	98.8	150	190	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	85	U	85	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	94.7	U	94.7	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	88.16		18-112		59	SPK: -150
13127-88-3	Phenol-d6	83.446		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	59.735		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	58.113		20-109		58	SPK: -100
118-79-6	2,4,6-Tribromophenol	94.079		10-110		63	SPK: -150
1718-51-0	Terphenyl-d14	47.658		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	191886	6.728				
1146-65-2	Naphthalene-d8	744097	8.01				
15067-26-2	Acenaphthene-d10	412385	9.757				
1517-22-2	Phenanthrene-d10	655752	11.245				
1719-03-5	Chrysene-d12	364651	13.88				
1520-96-3	Perylene-d12	393112	15.304				



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

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	B-148-SB03	SDG No.:	BF032224
Lab Sample ID:	P1817-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.4
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137680.D	1	3/21/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-55-6	Propylene Glycol	150	J			3.128	
000770-35-4	1-Phenoxypropan-2-ol	110	J			8.327	
	unknown9.869	1400	J			9.869	
000832-69-9	Phenanthrene, 1-methyl-	170	J			11.774	
000203-64-5	4H-Cyclopenta[def]phenanthrene	140	J			11.857	
000112-62-9	9-Octadecenoic acid (Z)-, methyl e	110	J			12.345	
033543-31-6	Fluoranthene, 2-methyl-	81.2	J			13.009	
000238-84-6	11H-Benzo[a]fluorene	93.4	J			13.074	
000218-30-4	Dibenzo[c,h][2,6]naphthyridine	120	J			13.727	
000192-97-2	Benzo[e]pyrene	85.8	J			14.998	
000205-82-3	Benzo[j]fluoranthene	360	J			15.18	

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	72-11933	SDG No.:	BF032224
Lab Sample ID:	P1827-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
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
BF137681.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	61.4	U	61.4	190	230	ug/Kg
110-86-1	Pyridine	56.5	U	56.5	91.9	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	190	230	ug/Kg
62-53-3	Aniline	68.5	U	68.5	91.9	120	ug/Kg
108-95-2	Phenol	58.6	U	58.6	91.9	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	59.2	U	59.2	91.9	120	ug/Kg
95-57-8	2-Chlorophenol	59.1	U	59.1	91.9	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	59.8	U	59.8	91.9	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	60.8	U	60.8	91.9	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	61.2	U	61.2	91.9	120	ug/Kg
100-51-6	Benzyl Alcohol	58.7	U	58.7	190	230	ug/Kg
95-48-7	2-Methylphenol	57	U	57	91.9	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	64.3	U	64.3	91.9	120	ug/Kg
98-86-2	Acetophenone	61.5	U	61.5	91.9	120	ug/Kg
65794-96-9	3+4-Methylphenols	56.4	U	56.4	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	28.5	U	28.5	56.6	56.6	ug/Kg
67-72-1	Hexachloroethane	58.7	U	58.7	91.9	120	ug/Kg
98-95-3	Nitrobenzene	64.2	U	64.2	91.9	120	ug/Kg
78-59-1	Isophorone	59.8	U	59.8	91.9	120	ug/Kg
88-75-5	2-Nitrophenol	66.8	U	66.8	91.9	120	ug/Kg
105-67-9	2,4-Dimethylphenol	65.9	U	65.9	91.9	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	60.7	U	60.7	91.9	120	ug/Kg
120-83-2	2,4-Dichlorophenol	53.4	U	53.4	91.9	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	60.4	U	60.4	91.9	120	ug/Kg
65-85-0	Benzoic acid	170	U	170	190	230	ug/Kg
91-20-3	Naphthalene	58.4	U	58.4	91.9	120	ug/Kg
106-47-8	4-Chloroaniline	58.4	U	58.4	91.9	120	ug/Kg
87-68-3	Hexachlorobutadiene	58.9	U	58.9	91.9	120	ug/Kg
105-60-2	Caprolactam	61.4	U	61.4	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	54.8	U	54.8	91.9	120	ug/Kg
91-57-6	2-Methylnaphthalene	58.3	U	58.3	91.9	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	72-11933	SDG No.:	BF032224
Lab Sample ID:	P1827-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
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
BF137681.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	110	U	110	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	50.5	U	50.5	91.9	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	52.3	U	52.3	91.9	120	ug/Kg
92-52-4	1,1-Biphenyl	61.8	U	61.8	91.9	120	ug/Kg
91-58-7	2-Chloronaphthalene	58.9	U	58.9	91.9	120	ug/Kg
88-74-4	2-Nitroaniline	67.2	U	67.2	91.9	120	ug/Kg
131-11-3	Dimethylphthalate	57.8	U	57.8	91.9	120	ug/Kg
208-96-8	Acenaphthylene	61.2	U	61.2	91.9	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	58.8	U	58.8	91.9	120	ug/Kg
99-09-2	3-Nitroaniline	63.1	U	63.1	91.9	120	ug/Kg
83-32-9	Acenaphthene	57.4	U	57.4	91.9	120	ug/Kg
Total PAH	Total PAH	937.3	U	937.3	91.9	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	190	230	ug/Kg
100-02-7	4-Nitrophenol	82	U	82	190	230	ug/Kg
132-64-9	Dibenzofuran	59.7	U	59.7	91.9	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	119.8	U	119.8	91.9	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	61	U	61	91.9	120	ug/Kg
84-66-2	Diethylphthalate	56.7	U	56.7	91.9	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	60.5	U	60.5	91.9	120	ug/Kg
86-73-7	Fluorene	60.5	U	60.5	91.9	120	ug/Kg
100-01-6	4-Nitroaniline	75.7	U	75.7	91.9	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	82.7	U	82.7	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	57.7	U	57.7	91.9	120	ug/Kg
103-33-3	Azobenzene	56.3	U	56.3	91.9	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	55.8	U	55.8	91.9	120	ug/Kg
118-74-1	Hexachlorobenzene	60.1	U	60.1	91.9	120	ug/Kg
1912-24-9	Atrazine	64.6	U	64.6	91.9	120	ug/Kg
87-86-5	Pentachlorophenol	54.7	U	54.7	190	230	ug/Kg
85-01-8	Phenanthrene	71.3	J	59.4	91.9	120	ug/Kg
120-12-7	Anthracene	59.7	U	59.7	91.9	120	ug/Kg
86-74-8	Carbazole	56.8	U	56.8	91.9	120	ug/Kg
84-74-2	Di-n-butylphthalate	59.6	U	59.6	91.9	120	ug/Kg
206-44-0	Fluoranthene	130		57.8	91.9	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	72-11933	SDG No.:	BF032224
Lab Sample ID:	P1827-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
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
BF137681.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	120	U	120	190	230	ug/Kg
129-00-0	Pyrene	110	J	58.7	91.9	120	ug/Kg
85-68-7	Butylbenzylphthalate	68.5	U	68.5	91.9	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	69.7	U	69.7	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	71.4	J	57.1	91.9	120	ug/Kg
218-01-9	Chrysene	88.4	J	56.2	91.9	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	64.4	U	64.4	91.9	120	ug/Kg
117-84-0	Di-n-octyl phthalate	77.8	U	77.8	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	J	57.4	91.9	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	58.4	U	58.4	91.9	120	ug/Kg
50-32-8	Benzo(a)pyrene	74.9	J	65.8	91.9	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	55.2	U	55.2	91.9	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	57.4	U	57.4	91.9	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	56.7	U	56.7	91.9	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	61.4	U	61.4	91.9	120	ug/Kg
123-91-1	1,4-Dioxane	77.8	U	77.8	91.9	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52.8	U	52.8	91.9	120	ug/Kg
90-12-0	1-Methylnaphthalene	58.8	U	58.8	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	101.983		18-112		68	SPK: -150
13127-88-3	Phenol-d6	95.689		15-107		64	SPK: -150
4165-60-0	Nitrobenzene-d5	68.859		18-107		69	SPK: -100
321-60-8	2-Fluorobiphenyl	63.393		20-109		63	SPK: -100
118-79-6	2,4,6-Tribromophenol	103.495		10-110		69	SPK: -150
1718-51-0	Terphenyl-d14	48.244		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	177491	6.728				
1146-65-2	Naphthalene-d8	681814	8.01				
15067-26-2	Acenaphthene-d10	372642	9.757				
1517-22-2	Phenanthrene-d10	559390	11.239				
1719-03-5	Chrysene-d12	338238	13.874				
1520-96-3	Perylene-d12	372149	15.304				

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	72-11933	SDG No.:	BF032224
Lab Sample ID:	P1827-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
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
BF137681.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000544-76-3	Hexadecane	69.3	J			8.598	
000629-59-4	Tetradecane	96.4	J			9.163	
003891-99-4	2,6,10-Trimethyltridecane	49.5	J			9.486	
000112-40-3	Dodecane	100	J			9.692	
000629-78-7	Heptadecane	110	J			10.192	
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	62.5	J			10.41	
017312-63-9	Nonane, 5-butyl-	200	J			10.663	
000593-45-3	Octadecane	120	J			11.11	
004292-19-7	Dodecane, 1-iodo-	60.1	J			11.139	
000629-94-7	Heneicosane	92.4	J			11.539	
000057-10-3	n-Hexadecanoic acid	120	J			11.78	
000112-95-8	Eicosane	77.1	J			11.945	
064359-81-5	4,5-Dichloro-2-octyl-3(2H)-isothia	100	J			12.251	
000593-49-7	Heptacosane	83.9	J			12.333	
000629-99-2	Pentacosane	58	J			13.063	
074685-30-6	5-Eicosene, (E)-	130	J			13.733	
000137-89-3	1,3-Benzenedicarboxylic acid, bis(	67.7	J			14.51	
000192-97-2	Benzo[e]pyrene	51.9	J			15.004	
000205-82-3	Benzo[j]fluoranthene	67.9	J			15.18	
000191-26-4	Dibenzo[def,mno]chrysene	48.6	J			16.692	

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	72-11933MS	SDG No.:	BF032224
Lab Sample ID:	P1827-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137682.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	980		61.5	190	230	ug/Kg
110-86-1	Pyridine	870		56.6	92	120	ug/Kg
100-52-7	Benzaldehyde	300		130	190	230	ug/Kg
62-53-3	Aniline	440		68.6	92	120	ug/Kg
108-95-2	Phenol	960		58.7	92	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		59.3	92	120	ug/Kg
95-57-8	2-Chlorophenol	1100		59.1	92	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		59.9	92	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		60.9	92	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		61.2	92	120	ug/Kg
100-51-6	Benzyl Alcohol	1100		58.8	190	230	ug/Kg
95-48-7	2-Methylphenol	900		57.1	92	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	850		64.4	92	120	ug/Kg
98-86-2	Acetophenone	1100		61.5	92	120	ug/Kg
65794-96-9	3+4-Methylphenols	940		56.5	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	930		28.5	56.6	56.6	ug/Kg
67-72-1	Hexachloroethane	1100		58.8	92	120	ug/Kg
98-95-3	Nitrobenzene	1000		64.3	92	120	ug/Kg
78-59-1	Isophorone	1000		59.9	92	120	ug/Kg
88-75-5	2-Nitrophenol	1200		66.9	92	120	ug/Kg
105-67-9	2,4-Dimethylphenol	850		66	92	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		60.7	92	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		53.5	92	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100		60.5	92	120	ug/Kg
65-85-0	Benzoic acid	1100		170	190	230	ug/Kg
91-20-3	Naphthalene	1000		58.5	92	120	ug/Kg
106-47-8	4-Chloroaniline	190		58.5	92	120	ug/Kg
87-68-3	Hexachlorobutadiene	1100		59	92	120	ug/Kg
105-60-2	Caprolactam	1100		61.5	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		54.9	92	120	ug/Kg
91-57-6	2-Methylnaphthalene	1000		58.4	92	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	72-11933MS	SDG No.:	BF032224
Lab Sample ID:	P1827-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137682.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1500		110	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		50.5	92	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		52.4	92	120	ug/Kg
92-52-4	1,1-Biphenyl	1100		61.9	92	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		59	92	120	ug/Kg
88-74-4	2-Nitroaniline	1100		67.3	92	120	ug/Kg
131-11-3	Dimethylphthalate	1000		57.8	92	120	ug/Kg
208-96-8	Acenaphthylene	1000		61.2	92	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		58.9	92	120	ug/Kg
99-09-2	3-Nitroaniline	570		63.1	92	120	ug/Kg
83-32-9	Acenaphthene	1000		57.4	92	120	ug/Kg
Total PAH	Total PAH	16110		938.1	92	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	1700		170	190	230	ug/Kg
100-02-7	4-Nitrophenol	1800		82.1	190	230	ug/Kg
132-64-9	Dibenzofuran	970		59.8	92	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		61	92	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2100		119.9	92	240	ug/Kg
84-66-2	Diethylphthalate	1000		56.7	92	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	990		60.6	92	120	ug/Kg
86-73-7	Fluorene	980		60.5	92	120	ug/Kg
100-01-6	4-Nitroaniline	840		75.8	92	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		82.8	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		57.8	92	120	ug/Kg
103-33-3	Azobenzene	940		56.4	92	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		55.9	92	120	ug/Kg
118-74-1	Hexachlorobenzene	1200		60.2	92	120	ug/Kg
1912-24-9	Atrazine	1200		64.7	92	120	ug/Kg
87-86-5	Pentachlorophenol	2000	E	54.7	190	230	ug/Kg
85-01-8	Phenanthrene	1100		59.5	92	120	ug/Kg
120-12-7	Anthracene	1000		59.8	92	120	ug/Kg
86-74-8	Carbazole	1000		56.8	92	120	ug/Kg
84-74-2	Di-n-butylphthalate	1100		59.7	92	120	ug/Kg
206-44-0	Fluoranthene	1000		57.8	92	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	72-11933MS	SDG No.:	BF032224
Lab Sample ID:	P1827-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137682.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1300		120	190	230	ug/Kg
129-00-0	Pyrene	940		58.8	92	120	ug/Kg
85-68-7	Butylbenzylphthalate	1400		68.5	92	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		69.8	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	1100		57.1	92	120	ug/Kg
218-01-9	Chrysene	1100		56.3	92	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		64.4	92	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		77.9	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		57.4	92	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000		58.5	92	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		65.8	92	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	870		55.3	92	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	850		57.5	92	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	770		56.7	92	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		61.5	92	120	ug/Kg
123-91-1	1,4-Dioxane	910		77.9	92	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		52.9	92	120	ug/Kg
90-12-0	1-Methylnaphthalene	980		58.9	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.134		18-112		54	SPK: -150
13127-88-3	Phenol-d6	76.087		15-107		51	SPK: -150
4165-60-0	Nitrobenzene-d5	55.735		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	50.837		20-109		51	SPK: -100
118-79-6	2,4,6-Tribromophenol	82.349		10-110		55	SPK: -150
1718-51-0	Terphenyl-d14	38.302		14-112		38	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	193602	6.728				
1146-65-2	Naphthalene-d8	728839	8.01				
15067-26-2	Acenaphthene-d10	390519	9.763				
1517-22-2	Phenanthrene-d10	573985	11.245				
1719-03-5	Chrysene-d12	336291	13.88				
1520-96-3	Perylene-d12	372839	15.304				



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

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	72-11933MS	SDG No.:	BF032224
Lab Sample ID:	P1827-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137682.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	72-11933MSD	SDG No.:	BF032224
Lab Sample ID:	P1827-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137683.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	900		61.4	190	230	ug/Kg
110-86-1	Pyridine	790		56.5	92	120	ug/Kg
100-52-7	Benzaldehyde	270		130	190	230	ug/Kg
62-53-3	Aniline	420		68.6	92	120	ug/Kg
108-95-2	Phenol	900		58.7	92	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	930		59.2	92	120	ug/Kg
95-57-8	2-Chlorophenol	990		59.1	92	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	990		59.9	92	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	970		60.9	92	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	970		61.2	92	120	ug/Kg
100-51-6	Benzyl Alcohol	1100		58.7	190	230	ug/Kg
95-48-7	2-Methylphenol	830		57	92	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	790		64.3	92	120	ug/Kg
98-86-2	Acetophenone	970		61.5	92	120	ug/Kg
65794-96-9	3+4-Methylphenols	870		56.5	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	850		28.5	56.6	56.6	ug/Kg
67-72-1	Hexachloroethane	1000		58.7	92	120	ug/Kg
98-95-3	Nitrobenzene	930		64.3	92	120	ug/Kg
78-59-1	Isophorone	910		59.9	92	120	ug/Kg
88-75-5	2-Nitrophenol	1100		66.9	92	120	ug/Kg
105-67-9	2,4-Dimethylphenol	770		66	92	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	930		60.7	92	120	ug/Kg
120-83-2	2,4-Dichlorophenol	990		53.4	92	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		60.4	92	120	ug/Kg
65-85-0	Benzoic acid	980		170	190	230	ug/Kg
91-20-3	Naphthalene	930		58.5	92	120	ug/Kg
106-47-8	4-Chloroaniline	170		58.5	92	120	ug/Kg
87-68-3	Hexachlorobutadiene	1000		58.9	92	120	ug/Kg
105-60-2	Caprolactam	930		61.4	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	940		54.8	92	120	ug/Kg
91-57-6	2-Methylnaphthalene	900		58.4	92	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	72-11933MSD	SDG No.:	BF032224
Lab Sample ID:	P1827-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
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
BF137683.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1300		110	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		50.5	92	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	950		52.4	92	120	ug/Kg
92-52-4	1,1-Biphenyl	990		61.9	92	120	ug/Kg
91-58-7	2-Chloronaphthalene	1000		58.9	92	120	ug/Kg
88-74-4	2-Nitroaniline	980		67.2	92	120	ug/Kg
131-11-3	Dimethylphthalate	970		57.8	92	120	ug/Kg
208-96-8	Acenaphthylene	960		61.2	92	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	970		58.9	92	120	ug/Kg
99-09-2	3-Nitroaniline	490		63.1	92	120	ug/Kg
83-32-9	Acenaphthene	910		57.4	92	120	ug/Kg
Total PAH	Total PAH	14700		937.8	92	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	1400		170	190	230	ug/Kg
100-02-7	4-Nitrophenol	1600		82.1	190	230	ug/Kg
132-64-9	Dibenzofuran	900		59.7	92	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	940		119.9	92	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	970		61	92	120	ug/Kg
84-66-2	Diethylphthalate	940		56.7	92	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	920		60.6	92	120	ug/Kg
86-73-7	Fluorene	900		60.5	92	120	ug/Kg
100-01-6	4-Nitroaniline	760		75.7	92	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	900		82.8	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		57.7	92	120	ug/Kg
103-33-3	Azobenzene	860		56.3	92	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		55.8	92	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		60.2	92	120	ug/Kg
1912-24-9	Atrazine	1100		64.7	92	120	ug/Kg
87-86-5	Pentachlorophenol	1800		54.7	190	230	ug/Kg
85-01-8	Phenanthrene	960		59.4	92	120	ug/Kg
120-12-7	Anthracene	930		59.7	92	120	ug/Kg
86-74-8	Carbazole	900		56.8	92	120	ug/Kg
84-74-2	Di-n-butylphthalate	1000		59.7	92	120	ug/Kg
206-44-0	Fluoranthene	920		57.8	92	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	72-11933MSD	SDG No.:	BF032224
Lab Sample ID:	P1827-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
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
BF137683.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1200		120	190	230	ug/Kg
129-00-0	Pyrene	810		58.7	92	120	ug/Kg
85-68-7	Butylbenzylphthalate	1200		68.5	92	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		69.8	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	980		57.1	92	120	ug/Kg
218-01-9	Chrysene	960		56.3	92	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		64.4	92	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		77.8	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		57.4	92	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	930		58.5	92	120	ug/Kg
50-32-8	Benzo(a)pyrene	1000		65.8	92	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	810		55.3	92	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	790		57.5	92	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	710		56.7	92	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		61.4	92	120	ug/Kg
123-91-1	1,4-Dioxane	830		77.8	92	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	890		52.9	92	120	ug/Kg
90-12-0	1-Methylnaphthalene	890		58.9	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	76.131		18-112		51	SPK: -150
13127-88-3	Phenol-d6	70.075		15-107		47	SPK: -150
4165-60-0	Nitrobenzene-d5	50.663		18-107		51	SPK: -100
321-60-8	2-Fluorobiphenyl	47.077		20-109		47	SPK: -100
118-79-6	2,4,6-Tribromophenol	74.122		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	33.265		14-112		33	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	188887	6.728				
1146-65-2	Naphthalene-d8	725467	8.01				
15067-26-2	Acenaphthene-d10	382075	9.763				
1517-22-2	Phenanthrene-d10	568287	11.245				
1719-03-5	Chrysene-d12	343820	13.886				
1520-96-3	Perylene-d12	364762	15.304				



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

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	72-11933MSD	SDG No.:	BF032224
Lab Sample ID:	P1827-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Injection Volume :		Decanted :	Level : LOW
		GPC Factor :	Level : LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137683.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	TR-05-031224	SDG No.:	BF032224
Lab Sample ID:	P1829-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.9
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
BF137684.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	54.1	U	54.1	170	210	ug/Kg
110-86-1	Pyridine	49.8	U	49.8	81.1	110	ug/Kg
100-52-7	Benzaldehyde	110	U	110	170	210	ug/Kg
62-53-3	Aniline	60.4	U	60.4	81.1	110	ug/Kg
108-95-2	Phenol	51.7	U	51.7	81.1	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	52.2	U	52.2	81.1	110	ug/Kg
95-57-8	2-Chlorophenol	52.1	U	52.1	81.1	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	52.7	U	52.7	81.1	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	53.6	U	53.6	81.1	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	53.9	U	53.9	81.1	110	ug/Kg
100-51-6	Benzyl Alcohol	51.7	U	51.7	170	210	ug/Kg
95-48-7	2-Methylphenol	50.3	U	50.3	81.1	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	56.7	U	56.7	81.1	110	ug/Kg
98-86-2	Acetophenone	54.2	U	54.2	81.1	110	ug/Kg
65794-96-9	3+4-Methylphenols	49.8	U	49.8	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	25.1	U	25.1	49.9	49.9	ug/Kg
67-72-1	Hexachloroethane	51.7	U	51.7	81.1	110	ug/Kg
98-95-3	Nitrobenzene	56.6	U	56.6	81.1	110	ug/Kg
78-59-1	Isophorone	52.7	U	52.7	81.1	110	ug/Kg
88-75-5	2-Nitrophenol	58.9	U	58.9	81.1	110	ug/Kg
105-67-9	2,4-Dimethylphenol	58.1	U	58.1	81.1	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	53.5	U	53.5	81.1	110	ug/Kg
120-83-2	2,4-Dichlorophenol	47.1	U	47.1	81.1	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	53.2	U	53.2	81.1	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	51.5	U	51.5	81.1	110	ug/Kg
106-47-8	4-Chloroaniline	51.5	U	51.5	81.1	110	ug/Kg
87-68-3	Hexachlorobutadiene	51.9	U	51.9	81.1	110	ug/Kg
105-60-2	Caprolactam	54.1	U	54.1	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	48.3	U	48.3	81.1	110	ug/Kg
91-57-6	2-Methylnaphthalene	51.4	U	51.4	81.1	110	ug/Kg

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	TR-05-031224	SDG No.:	BF032224
Lab Sample ID:	P1829-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.9
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
BF137684.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	97.3	U	97.3	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	44.5	U	44.5	81.1	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	46.1	U	46.1	81.1	110	ug/Kg
92-52-4	1,1-Biphenyl	54.5	U	54.5	81.1	110	ug/Kg
91-58-7	2-Chloronaphthalene	51.9	U	51.9	81.1	110	ug/Kg
88-74-4	2-Nitroaniline	59.2	U	59.2	81.1	110	ug/Kg
131-11-3	Dimethylphthalate	50.9	U	50.9	81.1	110	ug/Kg
208-96-8	Acenaphthylene	53.9	U	53.9	81.1	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	51.9	U	51.9	81.1	110	ug/Kg
99-09-2	3-Nitroaniline	55.6	U	55.6	81.1	110	ug/Kg
83-32-9	Acenaphthene	50.6	U	50.6	81.1	110	ug/Kg
Total PAH	Total PAH	826.1	U	826.1	81.1	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	170	210	ug/Kg
100-02-7	4-Nitrophenol	72.3	U	72.3	170	210	ug/Kg
132-64-9	Dibenzofuran	52.6	U	52.6	81.1	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	53.7	U	53.7	81.1	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	105.6	U	105.6	81.1	220	ug/Kg
84-66-2	Diethylphthalate	49.9	U	49.9	81.1	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	53.4	U	53.4	81.1	110	ug/Kg
86-73-7	Fluorene	53.3	U	53.3	81.1	110	ug/Kg
100-01-6	4-Nitroaniline	66.7	U	66.7	81.1	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	72.9	U	72.9	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	50.9	U	50.9	81.1	110	ug/Kg
103-33-3	Azobenzene	49.6	U	49.6	81.1	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	49.2	U	49.2	81.1	110	ug/Kg
118-74-1	Hexachlorobenzene	53	U	53	81.1	110	ug/Kg
1912-24-9	Atrazine	57	U	57	81.1	110	ug/Kg
87-86-5	Pentachlorophenol	48.2	U	48.2	170	210	ug/Kg
85-01-8	Phenanthrene	71.2	J	52.4	81.1	110	ug/Kg
120-12-7	Anthracene	52.6	U	52.6	81.1	110	ug/Kg
86-74-8	Carbazole	50.1	U	50.1	81.1	110	ug/Kg
84-74-2	Di-n-butylphthalate	52.6	U	52.6	81.1	110	ug/Kg
206-44-0	Fluoranthene	59	J	50.9	81.1	110	ug/Kg

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	TR-05-031224	SDG No.:	BF032224
Lab Sample ID:	P1829-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.9
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
BF137684.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	51.7	U	51.7	81.1	110	ug/Kg
85-68-7	Butylbenzylphthalate	60.4	U	60.4	81.1	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	61.5	U	61.5	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	50.3	U	50.3	81.1	110	ug/Kg
218-01-9	Chrysene	49.6	U	49.6	81.1	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	56.7	U	56.7	81.1	110	ug/Kg
117-84-0	Di-n-octyl phthalate	68.6	U	68.6	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	50.6	U	50.6	81.1	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	51.5	U	51.5	81.1	110	ug/Kg
50-32-8	Benzo(a)pyrene	58	U	58	81.1	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	48.7	U	48.7	81.1	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	50.6	U	50.6	81.1	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	49.9	U	49.9	81.1	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	54.1	U	54.1	81.1	110	ug/Kg
123-91-1	1,4-Dioxane	68.6	U	68.6	81.1	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46.6	U	46.6	81.1	110	ug/Kg
90-12-0	1-Methylnaphthalene	51.9	U	51.9	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	89.342		18-112		60	SPK: -150
13127-88-3	Phenol-d6	82.412		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	58.931		18-107		59	SPK: -100
321-60-8	2-Fluorobiphenyl	65.564		20-109		66	SPK: -100
118-79-6	2,4,6-Tribromophenol	83.168		10-110		55	SPK: -150
1718-51-0	Terphenyl-d14	45.648		14-112		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	183044	6.728				
1146-65-2	Naphthalene-d8	692794	8.01				
15067-26-2	Acenaphthene-d10	343277	9.757				
1517-22-2	Phenanthrene-d10	477009	11.245				
1719-03-5	Chrysene-d12	358691	13.875				
1520-96-3	Perylene-d12	323976	15.304				

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	TR-05-031224	SDG No.:	BF032224
Lab Sample ID:	P1829-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.9
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
BF137684.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000629-50-5	Tridecane	240	J			8.604	
017302-23-7	Nonane, 4,5-dimethyl-	100	J			8.963	
074645-98-0	Dodecane, 2,7,10-trimethyl-	120	J			9.028	
062238-11-3	Decane, 2,3,5-trimethyl-	440	J			9.169	
007098-21-7	Tritetracontane	230	J			9.487	
030316-17-7	Naphthalene, 1,2,3,4-tetrahydro-2,	95.8	J			9.51	
000629-78-7	Heptadecane	440	J			9.698	
066563-30-2	Bacchotricuneatin c	91.4	J			9.928	
055045-09-5	Tridecane, 7-propyl-	150	J			10.016	
000544-76-3	Hexadecane	420	J			10.193	
055045-11-9	Tridecane, 5-propyl-	240	J			10.416	
017312-63-9	Nonane, 5-butyl-	730	J			10.663	
055045-08-4	Dodecane, 2-methyl-6-propyl-	420	J			11.116	
003891-98-3	Dodecane, 2,6,10-trimethyl-	210	J			11.14	
000629-94-7	Heneicosane	320	J			11.54	
000112-95-8	Eicosane	250	J			11.945	
056554-62-2	10,13-Octadecadienoic acid, methyl	450	J			12.328	
000629-97-0	Docosane	150	J			12.704	
019218-94-1	Tetradecane, 1-iodo-	120	J			13.063	
1000382-54-3	Carbonic acid, eicosyl vinyl ester	160	J			13.733	

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	600581536	SDG No.:	BF032224
Lab Sample ID:	P1832-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
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
BF137685.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	58.8	U	58.8	180	220	ug/Kg
110-86-1	Pyridine	54.2	U	54.2	88.1	120	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	65.7	U	65.7	88.1	120	ug/Kg
108-95-2	Phenol	56.2	U	56.2	88.1	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	56.7	U	56.7	88.1	120	ug/Kg
95-57-8	2-Chlorophenol	56.6	U	56.6	88.1	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	57.4	U	57.4	88.1	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	58.3	U	58.3	88.1	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	58.6	U	58.6	88.1	120	ug/Kg
100-51-6	Benzyl Alcohol	56.3	U	56.3	180	220	ug/Kg
95-48-7	2-Methylphenol	54.6	U	54.6	88.1	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	61.6	U	61.6	88.1	120	ug/Kg
98-86-2	Acetophenone	58.9	U	58.9	88.1	120	ug/Kg
65794-96-9	3+4-Methylphenols	54.1	U	54.1	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27.3	U	27.3	54.2	54.2	ug/Kg
67-72-1	Hexachloroethane	56.3	U	56.3	88.1	120	ug/Kg
98-95-3	Nitrobenzene	61.6	U	61.6	88.1	120	ug/Kg
78-59-1	Isophorone	57.4	U	57.4	88.1	120	ug/Kg
88-75-5	2-Nitrophenol	64.1	U	64.1	88.1	120	ug/Kg
105-67-9	2,4-Dimethylphenol	63.2	U	63.2	88.1	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.2	U	58.2	88.1	120	ug/Kg
120-83-2	2,4-Dichlorophenol	51.2	U	51.2	88.1	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	57.9	U	57.9	88.1	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	67	J	56	88.1	120	ug/Kg
106-47-8	4-Chloroaniline	56	U	56	88.1	120	ug/Kg
87-68-3	Hexachlorobutadiene	56.5	U	56.5	88.1	120	ug/Kg
105-60-2	Caprolactam	58.8	U	58.8	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.5	U	52.5	88.1	120	ug/Kg
91-57-6	2-Methylnaphthalene	55.9	U	55.9	88.1	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	600581536	SDG No.:	BF032224
Lab Sample ID:	P1832-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
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
BF137685.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	110	U	110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48.4	U	48.4	88.1	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	50.2	U	50.2	88.1	120	ug/Kg
92-52-4	1,1-Biphenyl	59.3	U	59.3	88.1	120	ug/Kg
91-58-7	2-Chloronaphthalene	56.5	U	56.5	88.1	120	ug/Kg
88-74-4	2-Nitroaniline	64.4	U	64.4	88.1	120	ug/Kg
131-11-3	Dimethylphthalate	55.4	U	55.4	88.1	120	ug/Kg
208-96-8	Acenaphthylene	58.6	U	58.6	88.1	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	56.4	U	56.4	88.1	120	ug/Kg
99-09-2	3-Nitroaniline	60.5	U	60.5	88.1	120	ug/Kg
83-32-9	Acenaphthene	97.1	J	55	88.1	120	ug/Kg
Total PAH	Total PAH	4094.1		898.2	88.1	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	78.6	U	78.6	180	220	ug/Kg
132-64-9	Dibenzofuran	68.7	J	57.2	88.1	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	14.8	U	114.8	88.1	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.4	U	58.4	88.1	120	ug/Kg
84-66-2	Diethylphthalate	54.3	U	54.3	88.1	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	58	U	58	88.1	120	ug/Kg
86-73-7	Fluorene	140		58	88.1	120	ug/Kg
100-01-6	4-Nitroaniline	72.5	U	72.5	88.1	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	79.3	U	79.3	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.3	U	55.3	88.1	120	ug/Kg
103-33-3	Azobenzene	54	U	54	88.1	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53.5	U	53.5	88.1	120	ug/Kg
118-74-1	Hexachlorobenzene	57.6	U	57.6	88.1	120	ug/Kg
1912-24-9	Atrazine	62	U	62	88.1	120	ug/Kg
87-86-5	Pentachlorophenol	52.4	U	52.4	180	220	ug/Kg
85-01-8	Phenanthrene	650		56.9	88.1	120	ug/Kg
120-12-7	Anthracene	180		57.2	88.1	120	ug/Kg
86-74-8	Carbazole	54.4	U	54.4	88.1	120	ug/Kg
84-74-2	Di-n-butylphthalate	57.1	U	57.1	88.1	120	ug/Kg
206-44-0	Fluoranthene	710		55.4	88.1	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	600581536	SDG No.:	BF032224
Lab Sample ID:	P1832-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137685.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	480		56.3	88.1	120	ug/Kg
85-68-7	Butylbenzylphthalate	65.6	U	65.6	88.1	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	66.8	U	66.8	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	350		54.7	88.1	120	ug/Kg
218-01-9	Chrysene	300		53.9	88.1	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	61.7	U	61.7	88.1	120	ug/Kg
117-84-0	Di-n-octyl phthalate	74.6	U	74.6	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	430		55	88.1	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	120		56	88.1	120	ug/Kg
50-32-8	Benzo(a)pyrene	310		63	88.1	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120		52.9	88.1	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	55	U	55	88.1	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140		54.3	88.1	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58.8	U	58.8	88.1	120	ug/Kg
123-91-1	1,4-Dioxane	74.6	U	74.6	88.1	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.6	U	50.6	88.1	120	ug/Kg
90-12-0	1-Methylnaphthalene	62.5	J	56.4	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	94.784		18-112		63	SPK: -150
13127-88-3	Phenol-d6	86.505		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	62.712		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	69.058		20-109		69	SPK: -100
118-79-6	2,4,6-Tribromophenol	87.101		10-110		58	SPK: -150
1718-51-0	Terphenyl-d14	46.734		14-112		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	168236	6.728				
1146-65-2	Naphthalene-d8	638161	8.01				
15067-26-2	Acenaphthene-d10	323804	9.757				
1517-22-2	Phenanthrene-d10	443357	11.245				
1719-03-5	Chrysene-d12	330268	13.88				
1520-96-3	Perylene-d12	305535	15.304				

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	600581536	SDG No.:	BF032224
Lab Sample ID:	P1832-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
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
BF137685.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000259-79-0	Biphenylene	46.8	J			9.622	
001430-97-3	9H-Fluorene, 2-methyl-	48.6	J			10.851	
000132-65-0	Dibenzothiophene	61.7	J			11.139	
000613-12-7	Anthracene, 2-methyl-	120	J			11.745	
002531-84-2	Phenanthrene, 2-methyl-	190	J			11.774	
000832-64-4	Phenanthrene, 4-methyl-	57.8	J			11.822	
000203-64-5	4H-Cyclopenta[def]phenanthrene	240	J			11.857	
000779-02-2	Anthracene, 9-methyl-	73.2	J			11.874	
000612-94-2	Naphthalene, 2-phenyl-	74.8	J			12.039	
003674-66-6	Phenanthrene, 2,5-dimethyl-	89	J			12.292	
000605-02-7	Naphthalene, 1-phenyl-	74.8	J			12.327	
000781-43-1	9,10-Dimethylanthracene	50.6	J			12.38	
002381-21-7	Pyrene, 1-methyl-	50.2	J			12.898	
000243-17-4	11H-Benzo[b]fluorene	80.4	J			13.01	
000238-84-6	11H-Benzo[a]fluorene	68.9	J			13.074	
003442-78-2	Pyrene, 2-methyl-	49.9	J			13.116	
000295-48-7	Cyclopentadecane	60.6	J			13.733	
002498-76-2	Benz[a]anthracene, 2-methyl-	47.5	J			14.262	
000192-97-2	Benzo[e]pyrene	65.1	J			14.998	
000198-55-0	Perylene	210	J			15.186	

Hit Summary Sheet SW-846

SDG No.: BF032224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : JC-03-03192024-ADL								
P1804-01DL	JC-03-03192024-ADL	Solid	Acenaphthene	740.000	JD	510	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Anthracene	1,500.000	D	530	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Benzo(a)anthracene	3,000.000	D	510	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Benzo(a)pyrene	2,800.000	D	590	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Benzo(b)fluoranthene	3,800.000	D	510	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Benzo(g,h,i)perylene	1,400.000	D	510	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Benzo(k)fluoranthene	1,100.000	D	520	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Chrysene	2,500.000	D	500	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Fluoranthene	5,400.000	D	520	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Fluorene	1,000.000	JD	540	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Indeno(1,2,3-cd)pyrene	1,200.000	D	490	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Naphthalene	720.000	JD	520	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Phenanthrene	4,800.000	D	530	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Pyrene	4,300.000	D	520	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Total PAH	34,260.000	D	8360	17600	ug/Kg
Total Svoc :				68,520.00				
Total Concentration:				68,520.00				

Client ID : B-148-SB03

P1817-02	B-148-SB03	Solid	1-Phenoxypropan-2-ol	*	110.000	J		
P1817-02	B-148-SB03	Solid	11H-Benzo[a]fluorene	*	93.400	J		
P1817-02	B-148-SB03	Solid	4H-Cyclopenta[def]phenanthrene	*	140.000	J		
P1817-02	B-148-SB03	Solid	9-Octadecenoic acid (Z)-, methyl	*	110.000	J		
P1817-02	B-148-SB03	Solid	Benzo[e]pyrene	*	85.800	J		
P1817-02	B-148-SB03	Solid	Benzo[j]fluoranthene	*	360.000	J		
P1817-02	B-148-SB03	Solid	Dibenzo[c,h][2,6]naphthyridine	*	120.000	J		
P1817-02	B-148-SB03	Solid	Fluoranthene, 2-methyl-	*	81.200	J		
P1817-02	B-148-SB03	Solid	Phenanthrene, 1-methyl-	*	170.000	J		
P1817-02	B-148-SB03	Solid	Propylene Glycol	*	150.000	J		
P1817-02	B-148-SB03	Solid	unknown9.869	*	1,400.000	J		
Total Tics :				2,820.40				
P1817-02	B-148-SB03	Solid	Acenaphthene		110.000	J	92.3	190 ug/Kg
P1817-02	B-148-SB03	Solid	Anthracene		200.000		96.1	190 ug/Kg
P1817-02	B-148-SB03	Solid	Benzo(a)anthracene		520.000		91.9	190 ug/Kg
P1817-02	B-148-SB03	Solid	Benzo(a)pyrene		440.000		110	190 ug/Kg
P1817-02	B-148-SB03	Solid	Benzo(b)fluoranthene		680.000		92.3	190 ug/Kg
P1817-02	B-148-SB03	Solid	Benzo(g,h,i)perylene		210.000		91.2	190 ug/Kg
P1817-02	B-148-SB03	Solid	Benzo(k)fluoranthene	J	170.000		94	190 ug/Kg
P1817-02	B-148-SB03	Solid	Chrysene		450.000		90.5	190 ug/Kg
P1817-02	B-148-SB03	Solid	Fluoranthene		910.000		93	190 ug/Kg

Hit Summary Sheet SW-846

SDG No.: BF032224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1817-02	B-148-SB03	Solid	Indeno(1,2,3-cd)pyrene	200.000		88.9	190	ug/Kg
P1817-02	B-148-SB03	Solid	Phenanthrene	810.000		95.6	190	ug/Kg
P1817-02	B-148-SB03	Solid	Pyrene	720.000		94.5	190	ug/Kg
P1817-02	B-148-SB03	Solid	Total PAH	5,420.000		1512.5	3040	ug/Kg
Total Svoc :				10,840.00				
Total Concentration:				13,660.40				
Client ID : 72-11933								
P1827-01	72-11933	Solid	1,3-Benzenedicarboxylic acid, bis *	67.700	J			
P1827-01	72-11933	Solid	2,6,10-Trimethyltridecane *	49.500	J			
P1827-01	72-11933	Solid	4,5-Dichloro-2-octyl-3(2H)-isothi *	100.000	J			
P1827-01	72-11933	Solid	5-Eicosene, (E)- *	130.000	J			
P1827-01	72-11933	Solid	Benzo[e]pyrene *	51.900	J			
P1827-01	72-11933	Solid	Benzo[j]fluoranthene *	67.900	J			
P1827-01	72-11933	Solid	Dibenzo[def,mno]chrysene *	48.600	J			
P1827-01	72-11933	Solid	Dodecane *	100.000	J			
P1827-01	72-11933	Solid	Dodecane, 1-iodo- *	60.100	J			
P1827-01	72-11933	Solid	Eicosane *	77.100	J			
P1827-01	72-11933	Solid	Heneicosane *	92.400	J			
P1827-01	72-11933	Solid	Heptacosane *	83.900	J			
P1827-01	72-11933	Solid	Heptadecane *	110.000	J			
P1827-01	72-11933	Solid	Hexadecane *	69.300	J			
P1827-01	72-11933	Solid	Hexadecane, 2,6,10,14-tetramethy *	62.500	J			
P1827-01	72-11933	Solid	n-Hexadecanoic acid *	120.000	J			
P1827-01	72-11933	Solid	Nonane, 5-butyl- *	200.000	J			
P1827-01	72-11933	Solid	Octadecane *	120.000	J			
P1827-01	72-11933	Solid	Pentacosane *	58.000	J			
P1827-01	72-11933	Solid	Tetradecane *	96.400	J			
Total Tics :				1,765.30				
P1827-01	72-11933	Solid	Benzo(a)anthracene	71.400	J	57.1	120	ug/Kg
P1827-01	72-11933	Solid	Benzo(a)pyrene	74.900	J	65.8	120	ug/Kg
P1827-01	72-11933	Solid	Benzo(b)fluoranthene	110.000	J	57.4	120	ug/Kg
P1827-01	72-11933	Solid	Chrysene	88.400	J	56.2	120	ug/Kg
P1827-01	72-11933	Solid	Fluoranthene	130.000	J	57.8	120	ug/Kg
P1827-01	72-11933	Solid	Phenanthrene	71.300	J	59.4	120	ug/Kg
P1827-01	72-11933	Solid	Pyrene	110.000	J	58.7	120	ug/Kg
Total Svoc :				656.00				
Total Concentration:				2,421.30				
Client ID : TR-05-031224								
P1829-01	TR-05-031224	Solid	10,13-Octadecadienoic acid, meth *	450.000	J			
P1829-01	TR-05-031224	Solid	Bacchotricuneatin c *	91.400	J			
P1829-01	TR-05-031224	Solid	Carbonic acid, eicosyl vinyl ester *	160.000	J			

Hit Summary Sheet SW-846

SDG No.: BF032224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1829-01	TR-05-031224	Solid	Decane, 2,3,5-trimethyl-	*	440.000	J		
P1829-01	TR-05-031224	Solid	Docosane	*	150.000	J		
P1829-01	TR-05-031224	Solid	Dodecane, 2,6,10-trimethyl-	*	210.000	J		
P1829-01	TR-05-031224	Solid	Dodecane, 2,7,10-trimethyl-	*	120.000	J		
P1829-01	TR-05-031224	Solid	Dodecane, 2-methyl-6-propyl-	*	420.000	J		
P1829-01	TR-05-031224	Solid	Eicosane	*	250.000	J		
P1829-01	TR-05-031224	Solid	Heneicosane	*	320.000	J		
P1829-01	TR-05-031224	Solid	Heptadecane	*	440.000	J		
P1829-01	TR-05-031224	Solid	Hexadecane	*	420.000	J		
P1829-01	TR-05-031224	Solid	Naphthalene, 1,2,3,4-tetrahydro-2-	*	95.800	J		
P1829-01	TR-05-031224	Solid	Nonane, 4,5-dimethyl-	*	100.000	J		
P1829-01	TR-05-031224	Solid	Nonane, 5-butyl-	*	730.000	J		
P1829-01	TR-05-031224	Solid	Tetradecane, 1-iodo-	*	120.000	J		
P1829-01	TR-05-031224	Solid	Tridecane	*	240.000	J		
P1829-01	TR-05-031224	Solid	Tridecane, 5-propyl-	*	240.000	J		
P1829-01	TR-05-031224	Solid	Tridecane, 7-propyl-	*	150.000	J		
P1829-01	TR-05-031224	Solid	Tritetracontane	*	230.000	J		
Total Tics :					5,377.20			
P1829-01	TR-05-031224	Solid	Fluoranthene		59.000	J 50.9	110	ug/Kg
P1829-01	TR-05-031224	Solid	Phenanthrene		71.200	J 52.4	110	ug/Kg
Total Svoc :					130.20			
Total Concentration:					5,507.40			
Client ID : 600581536								
P1832-01	600581536	Solid	11H-Benzo[a]fluorene	*	68.900	J		
P1832-01	600581536	Solid	11H-Benzo[b]fluorene	*	80.400	J		
P1832-01	600581536	Solid	4H-Cyclopenta[def]phenanthrene	*	240.000	J		
P1832-01	600581536	Solid	9,10-Dimethylanthracene	*	50.600	J		
P1832-01	600581536	Solid	9H-Fluorene, 2-methyl-	*	48.600	J		
P1832-01	600581536	Solid	Anthracene, 2-methyl-	*	120.000	J		
P1832-01	600581536	Solid	Anthracene, 9-methyl-	*	73.200	J		
P1832-01	600581536	Solid	Benz[a]anthracene, 2-methyl-	*	47.500	J		
P1832-01	600581536	Solid	Benzo[e]pyrene	*	65.100	J		
P1832-01	600581536	Solid	Biphenylene	*	46.800	J		
P1832-01	600581536	Solid	Cyclopentadecane	*	60.600	J		
P1832-01	600581536	Solid	Dibenzothiophene	*	61.700	J		
P1832-01	600581536	Solid	Naphthalene, 1-phenyl-	*	74.800	J		
P1832-01	600581536	Solid	Naphthalene, 2-phenyl-	*	74.800	J		
P1832-01	600581536	Solid	Perylene	*	210.000	J		
P1832-01	600581536	Solid	Phenanthrene, 2,5-dimethyl-	*	89.000	J		
P1832-01	600581536	Solid	Phenanthrene, 2-methyl-	*	190.000	J		
P1832-01	600581536	Solid	Phenanthrene, 4-methyl-	*	57.800	J		
P1832-01	600581536	Solid	Pyrene, 1-methyl-	*	50.200	J		

Hit Summary Sheet SW-846

SDG No.: BF032224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1832-01	600581536	Solid	Pyrene, 2-methyl-	*	49.900	J		
			Total Tics :		1,759.90			
P1832-01	600581536	Solid	1-Methylnaphthalene		62.500	J	56.4	120 ug/Kg
P1832-01	600581536	Solid	Acenaphthene		97.100	J	55	120 ug/Kg
P1832-01	600581536	Solid	Anthracene		180.000		57.2	120 ug/Kg
P1832-01	600581536	Solid	Benzo(a)anthracene		350.000		54.7	120 ug/Kg
P1832-01	600581536	Solid	Benzo(a)pyrene		310.000		63	120 ug/Kg
P1832-01	600581536	Solid	Benzo(b)fluoranthene		430.000		55	120 ug/Kg
P1832-01	600581536	Solid	Benzo(g,h,i)perylene		140.000		54.3	120 ug/Kg
P1832-01	600581536	Solid	Benzo(k)fluoranthene		120.000		56	120 ug/Kg
P1832-01	600581536	Solid	Chrysene		300.000		53.9	120 ug/Kg
P1832-01	600581536	Solid	Dibenzofuran		68.700	J	57.2	120 ug/Kg
P1832-01	600581536	Solid	Fluoranthene		710.000		55.4	120 ug/Kg
P1832-01	600581536	Solid	Fluorene		140.000		58	120 ug/Kg
P1832-01	600581536	Solid	Indeno(1,2,3-cd)pyrene		120.000		52.9	120 ug/Kg
P1832-01	600581536	Solid	Naphthalene		67.000	J	56	120 ug/Kg
P1832-01	600581536	Solid	Phenanthrene		650.000		56.9	120 ug/Kg
P1832-01	600581536	Solid	Pyrene		480.000		56.3	120 ug/Kg
P1832-01	600581536	Solid	Total PAH		4,094.000		898.2	1920 ug/Kg
			Total Svoc :		8,319.30			
			Total Concentration:		10,079.20			



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: CHEMTECH

Lab Code: CHEM Case No.: BF032224 SAS No.: BF032224 SDG NO.: BF032224

EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 22 2024 12:00AM

Lab File ID: BF137443.D Time Analyzed: 13:09

Instrument 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 PB159737BL	223147	6.73	875292	8.00	465734	9.76
02 JC-03-03192024-ADL	226884	6.73	887967	8.01	475819	9.76
03 B-148-SB03	191886	6.73	744097	8.01	412385	9.76
04 72-11933	177491	6.73	681814	8.01	372642	9.76
05 72-11933MS	193602	6.73	728839	8.01	390519	9.76
06 72-11933MSD	188887	6.73	725467	8.01	382075	9.76
07 TR-05-031224	183044	6.73	692794	8.01	343277	9.76
08 600581536	168236	6.73	638161	8.01	323804	9.76

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF032224 SAS No.: BF032224 SDG NO.: BF032224

EPA Sample No.: SSTDCCC040 Date Analyzed: Mar 22 2024 12:00AM

Lab File ID: BF137677.D Time Analyzed: 13:09

Instrument 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	188107	6.728	703475	8.01	381236	9.76
UPPER LIMIT	376214	7.228	1406950	8.51	762472	10.263
LOWER LIMIT	94053.5	6.228	351737.5	7.51	190618	9.263
EPA SAMPLE NO.						
01 PB159737BL	223147	6.73	875292	8.00	465734	9.76
02 JC-03-03192024-ADL	226884	6.73	887967	8.01	475819	9.76
03 B-148-SB03	191886	6.73	744097	8.01	412385	9.76
04 72-11933	177491	6.73	681814	8.01	372642	9.76
05 72-11933MS	193602	6.73	728839	8.01	390519	9.76
06 72-11933MSD	188887	6.73	725467	8.01	382075	9.76
07 TR-05-031224	183044	6.73	692794	8.01	343277	9.76
08 600581536	168236	6.73	638161	8.01	323804	9.76

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.: BF032224 SAS No.: BF032224 SDG NO.: BF032224

EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 22 2024 12:00AM

Lab File ID: BF137443.D Time Analyzed: 13:09

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 PB159737BL	785572	11.25	431500	13.87	405074	15.30
02 JC-03-03192024-ADL	723619	11.25	426857	13.88	479682	15.30
03 B-148-SB03	655752	11.25	364651	13.88	393112	15.30
04 72-11933	559390	11.24	338238	13.87	372149	15.30
05 72-11933MS	573985	11.25	336291	13.88	372839	15.30
06 72-11933MSD	568287	11.25	343820	13.89	364762	15.30
07 TR-05-031224	477009	11.25	358691	13.88	323976	15.30
08 600581536	443357	11.25	330268	13.88	305535	15.30

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.: BF032224 SAS No.: BF032224 SDG NO.: BF032224

EPA Sample No.: SSTDCCC040 Date Analyzed: Mar 22 2024 12:00AM

Lab File ID: BF137677.D Time Analyzed: 13:09

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	594839	11.245	310793	13.88	345088	15.304
UPPER LIMIT	1189678	11.745	621586	14.38	690176	15.804
LOWER LIMIT	297419.5	10.745	155396.5	13.38	172544	14.804
EPA SAMPLE NO.						
01 PB159737BL	785572	11.25	431500	13.87	405074	15.30
02 JC-03-03192024-ADL	723619	11.25	426857	13.88	479682	15.30
03 B-148-SB03	655752	11.25	364651	13.88	393112	15.30
04 72-11933	559390	11.24	338238	13.87	372149	15.30
05 72-11933MS	573985	11.25	336291	13.88	372839	15.30
06 72-11933MSD	568287	11.25	343820	13.89	364762	15.30
07 TR-05-031224	477009	11.25	358691	13.88	323976	15.30
08 600581536	443357	11.25	330268	13.88	305535	15.30

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.



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

B-148-SB03

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF032224SAS No.: BF032224 SDG NO.: BF032224Lab File ID: BF137680.DLab Sample ID: P1817-02Instrument ID: BNA_FDate Extracted: 03/21/2024Matrix: (soil/water) SolidDate Analyzed: 03/22/2024Level: (low/med) LOWTime Analyzed: 14:26

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
B-148-SB03	P1817-02	BF137680.D	03/22/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159737BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF032224SAS No.: BF032224 SDG NO.: BF032224Lab File ID: BF137678.DLab Sample ID: PB159737BLInstrument ID: BNA_FDate Extracted: 03/22/2024Matrix: (soil/water) SolidDate Analyzed: 03/22/2024Level: (low/med) LOWTime Analyzed: 13:09

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
72-11933	P1827-01	BF137681.D	03/22/2024
72-11933MS	P1827-01MS	BF137682.D	03/22/2024
72-11933MSD	P1827-01MSD	BF137683.D	03/22/2024
TR-05-031224	P1829-01	BF137684.D	03/22/2024
600581536	P1832-01	BF137685.D	03/22/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF032224

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P1827-01MS	Client Sample ID:	72-11933MS					DataFile:	BF137682.D		
n-Nitrosodimethylamine	1200		980	ug/Kg	82				66	124	
Pyridine	1200		870	ug/Kg	73				45	119	
Benzaldehyde	1200		300	ug/Kg	25	*			26	163	
Aniline	1200		440	ug/Kg	37				10	88	
Phenol	1200		960	ug/Kg	80				67	126	
bis(2-Chloroethyl)ether	1200		1000	ug/Kg	83				74	116	
2-Chlorophenol	1200		1100	ug/Kg	92				61	138	
1,2-Dichlorobenzene	1200		1100	ug/Kg	92				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		900	ug/Kg	75				66	122	
2,2-oxybis(1-Chloropropane)	1200		850	ug/Kg	71				52	115	
Acetophenone	1200		1100	ug/Kg	92				75	111	
3+4-Methylphenols	1200		940	ug/Kg	78				53	132	
N-Nitroso-di-n-propylamine	1200		930	ug/Kg	78				59	119	
Hexachloroethane	1200		1100	ug/Kg	92				65	117	
Nitrobenzene	1200		1000	ug/Kg	83				70	119	
Isophorone	1200		1000	ug/Kg	83				76	122	
2-Nitrophenol	1200		1200	ug/Kg	100				54	145	
2,4-Dimethylphenol	1200		850	ug/Kg	71	*			83	144	
bis(2-Chloroethoxy)methane	1200		1000	ug/Kg	83				68	112	
2,4-Dichlorophenol	1200		1100	ug/Kg	92				72	118	
1,2,4-Trichlorobenzene	1200		1100	ug/Kg	92				57	103	
Benzoic acid	1200		1100	ug/Kg	92				50	104	
Naphthalene	1200		1000	ug/Kg	83				72	110	
4-Chloroaniline	1200		190	ug/Kg	16				10	100	
Hexachlorobutadiene	1200		1100	ug/Kg	92				66	114	
Caprolactam	1200		1100	ug/Kg	92				51	134	
4-Chloro-3-methylphenol	1200		1100	ug/Kg	92				57	132	
2-Methylnaphthalene	1200		1000	ug/Kg	83				59	123	
Hexachlorocyclopentadiene	2400		1500	ug/Kg	63				10	175	
2,4,6-Trichlorophenol	1200		1100	ug/Kg	92				72	117	
2,4,5-Trichlorophenol	1200		1000	ug/Kg	83				72	117	
1,1-Biphenyl	1200		1100	ug/Kg	92				75	113	
2-Chloronaphthalene	1200		1100	ug/Kg	92				67	118	
2-Nitroaniline	1200		1100	ug/Kg	92				69	127	
Dimethylphthalate	1200		1000	ug/Kg	83				70	113	
Acenaphthylene	1200		1000	ug/Kg	83				79	118	
2,6-Dinitrotoluene	1200		1100	ug/Kg	92				70	125	
3-Nitroaniline	1200		570	ug/Kg	48				20	111	
Acenaphthene	1200		1000	ug/Kg	83				70	121	
Total PAH	19200	0	16110	ug/Kg	84				70	121	
2,4-Dinitrophenol	2400		1700	ug/Kg	71				16	160	
4-Nitrophenol	2400		1800	ug/Kg	75				45	133	
Dibenzofuran	1200		970	ug/Kg	81				72	110	
2,4-Dinitrotoluene	1200		1000	ug/Kg	83				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF032224

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		2100	ug/Kg	88				55	128	
Diethylphthalate	1200		1000	ug/Kg	83				70	112	
4-Chlorophenyl-phenylether	1200		990	ug/Kg	83				71	108	
Fluorene	1200		980	ug/Kg	82				68	116	
4-Nitroaniline	1200		840	ug/Kg	70				55	120	
4,6-Dinitro-2-methylphenol	1200		1100	ug/Kg	92				32	145	
N-Nitrosodiphenylamine	1200		1100	ug/Kg	92				73	118	
Azobenzene	1200		940	ug/Kg	78				73	110	
4-Bromophenyl-phenylether	1200		1200	ug/Kg	100				65	121	
Hexachlorobenzene	1200		1200	ug/Kg	100				67	118	
Atrazine	1200		1200	ug/Kg	100				79	127	
Pentachlorophenol	2400		2000	ug/Kg	83				47	128	
Phenanthrene	1200	71.3	1100	ug/Kg	86				72	113	
Anthracene	1200		1000	ug/Kg	83				62	124	
Carbazole	1200		1000	ug/Kg	83				59	119	
Di-n-butylphthalate	1200		1100	ug/Kg	92				69	118	
Fluoranthene	1200	130	1000	ug/Kg	73				59	125	
Benzidine	2400		1300	ug/Kg	54				10	119	
Pyrene	1200	110	940	ug/Kg	69				52	128	
Butylbenzylphthalate	1200		1400	ug/Kg	117				64	126	
3,3-Dichlorobenzidine	1200		1100	ug/Kg	92				10	164	
Benzo(a)anthracene	1200	71.4	1100	ug/Kg	86				71	114	
Chrysene	1200	88.4	1100	ug/Kg	84				57	121	
bis(2-Ethylhexyl)phthalate	1200		1500	ug/Kg	125				66	127	
Di-n-octyl phthalate	1200		1400	ug/Kg	117				71	126	
Benzo(b)fluoranthene	1200	110	1300	ug/Kg	99				67	121	
Benzo(k)fluoranthene	1200		1000	ug/Kg	83				74	114	
Benzo(a)pyrene	1200	74.9	1100	ug/Kg	85				70	142	
Indeno(1,2,3-cd)pyrene	1200		870	ug/Kg	73				61	125	
Dibenz(a,h)anthracene	1200		850	ug/Kg	71				67	130	
Benzo(g,h,i)perylene	1200		770	ug/Kg	64				53	140	
1,2,4,5-Tetrachlorobenzene	1200		1100	ug/Kg	92				69	124	
1,4-Dioxane	1200		910	ug/Kg	76				46	112	
2,3,4,6-Tetrachlorophenol	1200		1000	ug/Kg	83				56	133	
1-Methylnaphthalene	1200		980	ug/Kg	82				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF032224

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P1827-01MSD	Client Sample ID:	72-11933MSD					DataFile:	BF137683.D		
n-Nitrosodimethylamine	1200		900	ug/Kg	75		9		66	124	20
Pyridine	1200		790	ug/Kg	66		10		45	119	20
Benzaldehyde	1200		270	ug/Kg	23	*	8		26	163	20
Aniline	1200		420	ug/Kg	35		6		10	88	20
Phenol	1200		900	ug/Kg	75		6		67	126	20
bis(2-Chloroethyl)ether	1200		930	ug/Kg	78		6		74	116	20
2-Chlorophenol	1200		990	ug/Kg	83		10		61	138	20
1,2-Dichlorobenzene	1200		990	ug/Kg	83		10		61	105	20
1,3-Dichlorobenzene	1200		970	ug/Kg	81		2		62	101	20
1,4-Dichlorobenzene	1200		970	ug/Kg	81		2		63	104	20
Benzyl Alcohol	1200		1100	ug/Kg	92		0		47	126	20
2-Methylphenol	1200		830	ug/Kg	69		8		66	122	20
2,2-oxybis(1-Chloropropane)	1200		790	ug/Kg	66		7		52	115	20
Acetophenone	1200		970	ug/Kg	81		13		75	111	20
3+4-Methylphenols	1200		870	ug/Kg	73		7		53	132	20
N-Nitroso-di-n-propylamine	1200		850	ug/Kg	71		9		59	119	20
Hexachloroethane	1200		1000	ug/Kg	83		10		65	117	20
Nitrobenzene	1200		930	ug/Kg	78		6		70	119	20
Isophorone	1200		910	ug/Kg	76		9		76	122	20
2-Nitrophenol	1200		1100	ug/Kg	92		8		54	145	20
2,4-Dimethylphenol	1200		770	ug/Kg	64	*	10		83	144	20
bis(2-Chloroethoxy)methane	1200		930	ug/Kg	78		6		68	112	20
2,4-Dichlorophenol	1200		990	ug/Kg	83		10		72	118	20
1,2,4-Trichlorobenzene	1200		1000	ug/Kg	83		10		57	103	20
Benzoic acid	1200		980	ug/Kg	82		11		50	104	20
Naphthalene	1200		930	ug/Kg	78		6		72	110	20
4-Chloroaniline	1200		170	ug/Kg	14		13		10	100	20
Hexachlorobutadiene	1200		1000	ug/Kg	83		10		66	114	20
Caprolactam	1200		930	ug/Kg	78		16		51	134	20
4-Chloro-3-methylphenol	1200		940	ug/Kg	78		16		57	132	20
2-Methylnaphthalene	1200		900	ug/Kg	75		10		59	123	20
Hexachlorocyclopentadiene	2400		1300	ug/Kg	54		15		10	175	20
2,4,6-Trichlorophenol	1200		1000	ug/Kg	83		10		72	117	20
2,4,5-Trichlorophenol	1200		950	ug/Kg	79		5		72	117	20
1,1-Biphenyl	1200		990	ug/Kg	83		10		75	113	20
2-Chloronaphthalene	1200		1000	ug/Kg	83		10		67	118	20
2-Nitroaniline	1200		980	ug/Kg	82		11		69	127	20
Dimethylphthalate	1200		970	ug/Kg	81		2		70	113	20
Acenaphthylene	1200		960	ug/Kg	80		4		79	118	20
2,6-Dinitrotoluene	1200		970	ug/Kg	81		13		70	125	20
3-Nitroaniline	1200		490	ug/Kg	41		16		20	111	20
Acenaphthene	1200		910	ug/Kg	76		9		70	121	20
Total PAH	19200	0	14700	ug/Kg	77		9		70	121	20
2,4-Dinitrophenol	2400		1400	ug/Kg	58		20		16	160	20
4-Nitrophenol	2400		1600	ug/Kg	67		11		45	133	20
Dibenzofuran	1200		900	ug/Kg	75		8		72	110	20
2,4-Dinitrotoluene	1200		970	ug/Kg	81		2		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF032224

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		1940	ug/Kg	81		8		55	128	20
Diethylphthalate	1200		940	ug/Kg	78		6		70	112	20
4-Chlorophenyl-phenylether	1200		920	ug/Kg	77		8		71	108	20
Fluorene	1200		900	ug/Kg	75		9		68	116	20
4-Nitroaniline	1200		760	ug/Kg	63		11		55	120	20
4,6-Dinitro-2-methylphenol	1200		900	ug/Kg	75		20		32	145	20
N-Nitrosodiphenylamine	1200		1000	ug/Kg	83		10		73	118	20
Azobenzene	1200		860	ug/Kg	72	*	8		73	110	20
4-Bromophenyl-phenylether	1200		1100	ug/Kg	92		8		65	121	20
Hexachlorobenzene	1200		1100	ug/Kg	92		8		67	118	20
Atrazine	1200		1100	ug/Kg	92		8		79	127	20
Pentachlorophenol	2400		1800	ug/Kg	75		10		47	128	20
Phenanthrene	1200	71.3	960	ug/Kg	74		15		72	113	20
Anthracene	1200		930	ug/Kg	78		6		62	124	20
Carbazole	1200		900	ug/Kg	75		10		59	119	20
Di-n-butylphthalate	1200		1000	ug/Kg	83		10		69	118	20
Fluoranthene	1200	130	920	ug/Kg	66		10		59	125	20
Benzidine	2400		1200	ug/Kg	50		8		10	119	20
Pyrene	1200	110	810	ug/Kg	58		17		52	128	20
Butylbenzylphthalate	1200		1200	ug/Kg	100		16		64	126	20
3,3-Dichlorobenzidine	1200		1000	ug/Kg	83		10		10	164	20
Benzo(a)anthracene	1200	71.4	980	ug/Kg	76		12		71	114	20
Chrysene	1200	88.4	960	ug/Kg	73		14		57	121	20
bis(2-Ethylhexyl)phthalate	1200		1300	ug/Kg	108		15		66	127	20
Di-n-octyl phthalate	1200		1300	ug/Kg	108		8		71	126	20
Benzo(b)fluoranthene	1200	110	1200	ug/Kg	91		8		67	121	20
Benzo(k)fluoranthene	1200		930	ug/Kg	78		6		74	114	20
Benzo(a)pyrene	1200	74.9	1000	ug/Kg	77		10		70	142	20
Indeno(1,2,3-cd)pyrene	1200		810	ug/Kg	68		7		61	125	20
Dibenz(a,h)anthracene	1200		790	ug/Kg	66	*	7		67	130	20
Benzo(g,h,i)perylene	1200		710	ug/Kg	59		8		53	140	20
1,2,4,5-Tetrachlorobenzene	1200		1000	ug/Kg	83		10		69	124	20
1,4-Dioxane	1200		830	ug/Kg	69		10		46	112	20
2,3,4,6-Tetrachlorophenol	1200		890	ug/Kg	74		11		56	133	20
1-Methylnaphthalene	1200		890	ug/Kg	74		10		70	130	20



Surrogate Summary
SW-846

SDG No.: BF032224

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1804-01DL	JC-03-03192024-AIBF137679.D		2-Fluorophenol	150	68.11	45		18	112
			Phenol-d6	150	66.23	44		15	107
			Nitrobenzene-d5	100	42.77	43		18	107
			2-Fluorobiphenyl	100	58.36	58		20	109
			2,4,6-Tribromophenol	150	68.05	45		10	110
			Terphenyl-d14	100	45.15	45		14	112



Surrogate Summary
SW-846

SDG No.: BF032224

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1817-02	B-148-SB03	BF137680.D	2-Fluorophenol	150	88.16	59		18	112
			Phenol-d6	150	83.45	56		15	107
			Nitrobenzene-d5	100	59.74	60		18	107
			2-Fluorobiphenyl	100	58.11	58		20	109
			2,4,6-Tribromophenol	150	94.08	63		10	110
			Terphenyl-d14	100	47.66	48		14	112



Surrogate Summary

SW-846

SDG No.: **BF032224**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1827-01	72-11933	BF137681.D	2-Fluorophenol	150	101.98	68		18	112
			Phenol-d6	150	95.69	64		15	107
			Nitrobenzene-d5	100	68.86	69		18	107
			2-Fluorobiphenyl	100	63.39	63		20	109
			2,4,6-Tribromophenol	150	103.50	69		10	110
			Terphenyl-d14	100	48.24	48		14	112
P1827-01MS	72-11933MS	BF137682.D	2-Fluorophenol	150	81.13	54		18	112
			Phenol-d6	150	76.09	51		15	107
			Nitrobenzene-d5	100	55.74	56		18	107
			2-Fluorobiphenyl	100	50.84	51		20	109
			2,4,6-Tribromophenol	150	82.35	55		10	110
			Terphenyl-d14	100	38.30	38		14	112
P1827-01MSD	72-11933MSD	BF137683.D	2-Fluorophenol	150	76.13	51		18	112
			Phenol-d6	150	70.08	47		15	107
			Nitrobenzene-d5	100	50.66	51		18	107
			2-Fluorobiphenyl	100	47.08	47		20	109
			2,4,6-Tribromophenol	150	74.12	49		10	110
			Terphenyl-d14	100	33.27	33		14	112
P1829-01	TR-05-031224	BF137684.D	2-Fluorophenol	150	89.34	60		18	112
			Phenol-d6	150	82.41	55		15	107
			Nitrobenzene-d5	100	58.93	59		18	107
			2-Fluorobiphenyl	100	65.56	66		20	109
			2,4,6-Tribromophenol	150	83.17	55		10	110
			Terphenyl-d14	100	45.65	46		14	112
P1832-01	600581536	BF137685.D	2-Fluorophenol	150	94.78	63		18	112
			Phenol-d6	150	86.51	58		15	107
			Nitrobenzene-d5	100	62.71	63		18	107
			2-Fluorobiphenyl	100	69.06	69		20	109
			2,4,6-Tribromophenol	150	87.10	58		10	110
			Terphenyl-d14	100	46.73	47		14	112
PB159737BL	PB159737BL	BF137678.D	2-Fluorophenol	150	116.47	78		18	112
			Phenol-d6	150	107.47	72		15	107
			Nitrobenzene-d5	100	76.95	77		18	107
			2-Fluorobiphenyl	100	79.78	80		20	109
			2,4,6-Tribromophenol	150	126.69	84		10	110
			Terphenyl-d14	100	73.70	74		14	112



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BF032224Lab Code: CHEMSAS No.: BF032224 SDG NO.: BF032224Lab File ID: BF137676.DDFTPP Injection Date: 03/22/2024Instrument ID: BNA_FDFTPP Injection Time: 11:42

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.5
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	32.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	39.4
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.8
275	10.0 - 60.0% of mass 198	23.1
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 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	BF137677.D	03/22/2024	12:40
PB159737BL	PB159737BL	BF137678.D	03/22/2024	13:09
JC-03-03192024-ADL	P1804-01DL	BF137679.D	03/22/2024	13:56
B-148-SB03	P1817-02	BF137680.D	03/22/2024	14:26
72-11933	P1827-01	BF137681.D	03/22/2024	14:56
72-11933MS	P1827-01MS	BF137682.D	03/22/2024	15:26
72-11933MSD	P1827-01MSD	BF137683.D	03/22/2024	15:56
TR-05-031224	P1829-01	BF137684.D	03/22/2024	16:26
600581536	P1832-01	BF137685.D	03/22/2024	16:56