

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF030524 SAS No.: BF030524 SDG No.: BF030524

Instrument ID: BNA_F Calibration Date/Time: 3/5/2024 12:12:23

Lab File ID: BF137495.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	0.735		12.73	
Pyridine	1.741	1.825		4.825	
2-Fluorophenol	1.321	1.319		-0.151	
Benzaldehyde	0.934	1.006		7.709	
Aniline	2.329	2.409		3.435	
Phenol-d6	1.906	1.881		-1.312	
Phenol	2.052	2.064		0.585	20.0
bis(2-Chloroethyl)ether	1.503	1.562		3.925	
2-Chlorophenol	1.393	1.389		-0.287	
1,2-Dichlorobenzene	1.398	1.345		-3.791	
1,3-Dichlorobenzene	1.488	1.474		-0.941	
1,4-Dichlorobenzene	1.523	1.500		-1.51	20.0
Benzyl Alcohol	1.187	1.224		3.117	
2-Methylphenol	1.303	1.319		1.228	
2,2-oxybis(1-Chloropropane)	2.584	2.506		-3.019	
Acetophenone	0.484	0.468		-3.306	
3+4-Methylphenols	1.493	1.450		-2.88	
n-Nitroso-di-n-propylamine	1.177	1.133	0.050	-3.738	
Nitrobenzene-d5	0.430	0.429		-0.233	
Hexachloroethane	0.501	0.511		1.996	
Nitrobenzene	0.432	0.444		2.778	
Isophorone	0.818	0.816		-0.244	
2-Nitrophenol	0.172	0.188		9.302	20.0
2,4-Dimethylphenol	0.321	0.323		0.623	
bis(2-Chloroethoxy)methane	0.480	0.486		1.25	
2,4-Dichlorophenol	0.294	0.306		4.082	20.0
1,2,4-Trichlorobenzene	0.310	0.310		0.0	
Benzoic acid	0.167	0.175		4.79	
Naphthalene	1.073	1.026		-4.38	
4-Chloroaniline	0.421	0.437		3.8	
Hexachlorobutadiene	0.183	0.182		-0.546	20.0
Caprolactam	0.100	0.108		8.0	
4-Chloro-3-methylphenol	0.329	0.333		1.216	20.0
2-Methylnaphthalene	0.684	0.670		-2.047	
Hexachlorocyclopentadiene	0.180	0.324	0.050	80.0	
2,4,6-Trichlorophenol	0.364	0.375		3.022	20.0
2-Fluorobiphenyl	1.278	1.177		-7.903	
2,4,5-Trichlorophenol	0.419	0.433		3.341	
1,1-Biphenyl	1.464	1.419		-3.074	
2-Chloronaphthalene	1.116	1.095		-1.882	
2-Nitroaniline	0.379	0.419		10.554	

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 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	1.380		-0.862	
Acenaphthylene	1.786	1.736		-2.8	
2,6-Dinitrotoluene	0.291	0.305		4.811	
3-Nitroaniline	0.308	0.334		8.442	
Acenaphthene	1.066	1.032		-3.189	20.0
2,4-Dinitrophenol	0.111	0.129	0.050	16.216	
4-Nitrophenol	0.190	0.217	0.050	14.211	
Dibenzofuran	1.624	1.567		-3.51	
2,4-Dinitrotoluene	0.358	0.381		6.425	
Diethylphthalate	1.315	1.295		-1.521	
4-Chlorophenyl-phenylether	0.611	0.571		-6.547	
Fluorene	1.247	1.165		-6.576	
4-Nitroaniline	0.265	0.287		8.302	
4,6-Dinitro-2-methylphenol	0.111	0.124		11.712	
n-Nitrosodiphenylamine	0.644	0.635		-1.398	20.0
Azobenzene	1.514	1.472		-2.774	
2,4,6-Tribromophenol	0.176	0.184		4.545	
4-Bromophenyl-phenylether	0.218	0.220		0.917	
Hexachlorobenzene	0.220	0.221		0.455	
Atrazine	0.196	0.203		3.571	
Pentachlorophenol	0.133	0.145		9.023	20.0
Phenanthrene	1.088	1.034		-4.963	
Anthracene	1.118	1.080		-3.399	
Carbazole	0.958	0.952		-0.626	
Di-n-butylphthalate	1.139	1.146		0.615	
Fluoranthene	1.064	1.052		-1.128	20.0
Benzidine	0.489	0.444		-9.202	
Pyrene	1.962	1.952		-0.51	
Terphenyl-d14	1.454	1.405		-3.37	
Butylbenzylphthalate	0.501	0.614		22.555	
3,3-Dichlorobenzidine	0.373	0.413		10.724	
Benzo (a) anthracene	1.402	1.394		-0.571	
Chrysene	1.417	1.417		0.0	
Bis (2-ethylhexyl) phthalate	0.637	0.739		16.013	
Di-n-octyl phthalate	1.120	1.183		5.625	20.0
Benzo (b) fluoranthene	1.183	1.242		4.987	
Benzo (k) fluoranthene	1.271	1.217		-4.249	
Benzo (a) pyrene	1.166	1.168		0.172	20.0
Indeno (1,2,3-cd) pyrene	1.316	1.349		2.508	
Dibenzo (a,h) anthracene	1.068	1.110		3.933	
Benzo (g,h,i) perylene	1.096	1.136		3.65	



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Lab File ID: BF137495.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	0.551		-1.254	
1,4-Dioxane	0.722	0.707		-2.078	20.0
2,3,4,6-Tetrachlorophenol	0.336	0.347		3.274	
1-Methylnaphthalene	0.644	0.621		-3.571	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	3/4/2024 12:00:00 AM
Project:		Date Received:	3/4/2024 12:00:00 AM
Client Sample ID:	PB159421BL	SDG No.:	BF030524
Lab Sample ID:	PB159421BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137496.D	1	3/4/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159421

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

Report of Analysis

Client:		Date Collected:	3/4/2024 12:00:00 AM
Project:		Date Received:	3/4/2024 12:00:00 AM
Client Sample ID:	PB159421BL	SDG No.:	BF030524
Lab Sample ID:	PB159421BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137496.D	1	3/4/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159421

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

Report of Analysis

Client:		Date Collected:	3/4/2024 12:00:00 AM
Project:		Date Received:	3/4/2024 12:00:00 AM
Client Sample ID:	PB159421BL	SDG No.:	BF030524
Lab Sample ID:	PB159421BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137496.D	1	3/4/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159421

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.6	U	6.6	8	10	ug/L
129-00-0	Pyrene	1.9	U	1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.8	U	2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	5.4	U	5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4	5	ug/L
218-01-9	Chrysene	1.6	U	1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.9	U	2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	3.1	U	3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	2.7	U	2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	U	2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.9	U	1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4	5	ug/L
123-91-1	1,4-Dioxane	2.4	U	2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	2.1	U	2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	121.752		10-139		81	SPK: -150
13127-88-3	Phenol-d6	115.766		10-134		77	SPK: -150
4165-60-0	Nitrobenzene-d5	82.556		49-133		83	SPK: -100
321-60-8	2-Fluorobiphenyl	77.779		52-132		78	SPK: -100
118-79-6	2,4,6-Tribromophenol	124.75		32-145		83	SPK: -150
1718-51-0	Terphenyl-d14	68.184		36-145		68	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	250625	6.857				
1146-65-2	Naphthalene-d8	1028973	8.133				
15067-26-2	Acenaphthene-d10	568979	9.886				
1517-22-2	Phenanthrene-d10	1042186	11.38				
1719-03-5	Chrysene-d12	724025	14.045				
1520-96-3	Perylene-d12	559440	15.574				



Report of Analysis

Client:		Date Collected:	3/4/2024 12:00:00 AM
Project:		Date Received:	3/4/2024 12:00:00 AM
Client Sample ID:	PB159421BL	SDG No.:	BF030524
Lab Sample ID:	PB159421BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137496.D	1	3/4/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159421

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

Client:		Date Collected:	3/4/2024 12:00:00 AM
Project:		Date Received:	3/4/2024 12:00:00 AM
Client Sample ID:	PB159421BS	SDG No.:	BF030524
Lab Sample ID:	PB159421BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137497.D	1	3/4/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159421

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	44.5		2	8	10	ug/L
110-86-1	Pyridine	34.4		1.8	4	5	ug/L
100-52-7	Benzaldehyde	3.3	U	3.3	8	10	ug/L
62-53-3	Aniline	24.6		2.4	4	5	ug/L
108-95-2	Phenol	42.7		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	45.4		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	47.1		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	45.6		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	44.2		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	44.9		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	50.4		2.4	8	10	ug/L
95-48-7	2-Methylphenol	42.7		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43		2.3	4	5	ug/L
98-86-2	Acetophenone	44.9		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	41.2		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41.6		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	46.5		1.6	4	5	ug/L
98-95-3	Nitrobenzene	43.1		1.7	4	5	ug/L
78-59-1	Isophorone	43.2		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	47.6		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	39.5		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.3		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	45.3		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	44.5		1.7	4	5	ug/L
65-85-0	Benzoic acid	44.8		6.7	8	10	ug/L
91-20-3	Naphthalene	41.8		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	9.2		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	43.6		1.9	4	5	ug/L
105-60-2	Caprolactam	45.6		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	44.2		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	40		2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/4/2024 12:00:00 AM
Project:		Date Received:	3/4/2024 12:00:00 AM
Client Sample ID:	PB159421BS	SDG No.:	BF030524
Lab Sample ID:	PB159421BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137497.D	1	3/4/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159421

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	96.6	E	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	46.4		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	41.9		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	43.8		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	44.6		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	45.9		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	43.2		1.9	4	5	ug/L
208-96-8	Acenaphthylene	44		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	46.4		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	24.5		2.4	4	5	ug/L
83-32-9	Acenaphthene	42.3		1.7	4	5	ug/L
Total PAH	Total PAH	704		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	92.6	E	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	90.2	E	2.8	8	10	ug/L
132-64-9	Dibenzofuran	41.7		1.6	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	45.7		2.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	42.1		4.6	4	10	ug/L
84-66-2	Diethylphthalate	42.2		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	40.7		2.2	4	5	ug/L
86-73-7	Fluorene	41.1		2	4	5	ug/L
100-01-6	4-Nitroaniline	43.2		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	46.6		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	42.4		2	4	5	ug/L
103-33-3	Azobenzene	42.6		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	42.7		2	4	5	ug/L
118-74-1	Hexachlorobenzene	46.3		1.9	4	5	ug/L
1912-24-9	Atrazine	46.2		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	87.8	E	2.6	8	10	ug/L
85-01-8	Phenanthrene	41.5		2	4	5	ug/L
120-12-7	Anthracene	41.4		2.3	4	5	ug/L
86-74-8	Carbazole	43.8		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	43.7		2.4	4	5	ug/L
206-44-0	Fluoranthene	43.2		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/4/2024 12:00:00 AM
Project:		Date Received:	3/4/2024 12:00:00 AM
Client Sample ID:	PB159421BS	SDG No.:	BF030524
Lab Sample ID:	PB159421BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137497.D	1	3/4/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159421

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	20.9		6.6	8	10	ug/L
129-00-0	Pyrene	44.3		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	53.5		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	30.3		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	43.5		1.5	4	5	ug/L
218-01-9	Chrysene	42.9		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	52.3		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	44.8		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	47.2		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	42.8		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	42.7		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	48.5		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	48.7		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	48.1		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	45.5		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	36.6		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	45		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	41.2		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	123.376		10-139		82	SPK: -150
13127-88-3	Phenol-d6	118.783		10-134		79	SPK: -150
4165-60-0	Nitrobenzene-d5	83.096		49-133		83	SPK: -100
321-60-8	2-Fluorobiphenyl	80.135		52-132		80	SPK: -100
118-79-6	2,4,6-Tribromophenol	134.182		32-145		89	SPK: -150
1718-51-0	Terphenyl-d14	85.754		36-145		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	232497	6.857				
1146-65-2	Naphthalene-d8	942981	8.134				
15067-26-2	Acenaphthene-d10	508300	9.892				
1517-22-2	Phenanthrene-d10	884420	11.386				
1719-03-5	Chrysene-d12	473297	14.051				
1520-96-3	Perylene-d12	429218	15.574				



Report of Analysis

Client:		Date Collected:	3/4/2024 12:00:00 AM
Project:		Date Received:	3/4/2024 12:00:00 AM
Client Sample ID:	PB159421BS	SDG No.:	BF030524
Lab Sample ID:	PB159421BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
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
BF137497.D	1	3/4/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159421

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

Client:		Date Collected:	3/4/2024 12:00:00 AM
Project:		Date Received:	3/4/2024 12:00:00 AM
Client Sample ID:	PB159401TB	SDG No.:	BF030524
Lab Sample ID:	PB159401TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137498.D	1	3/4/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159421

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

Report of Analysis

Client:		Date Collected:	3/4/2024 12:00:00 AM
Project:		Date Received:	3/4/2024 12:00:00 AM
Client Sample ID:	PB159401TB	SDG No.:	BF030524
Lab Sample ID:	PB159401TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137498.D	1	3/4/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159421

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

Report of Analysis

Client:		Date Collected:	3/4/2024 12:00:00 AM
Project:		Date Received:	3/4/2024 12:00:00 AM
Client Sample ID:	PB159401TB	SDG No.:	BF030524
Lab Sample ID:	PB159401TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137498.D	1	3/4/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159421

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	49.913		10-139		33	SPK: -150
13127-88-3	Phenol-d6	83.186		10-134		55	SPK: -150
4165-60-0	Nitrobenzene-d5	60.051		49-133		60	SPK: -100
321-60-8	2-Fluorobiphenyl	80.215		52-132		80	SPK: -100
118-79-6	2,4,6-Tribromophenol	178.931		32-145		119	SPK: -150
1718-51-0	Terphenyl-d14	89.113		36-145		89	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	223132	6.857				
1146-65-2	Naphthalene-d8	904562	8.134				
15067-26-2	Acenaphthene-d10	516633	9.892				
1517-22-2	Phenanthrene-d10	915837	11.386				
1719-03-5	Chrysene-d12	621512	14.045				
1520-96-3	Perylene-d12	472101	15.58				



Report of Analysis

Client:		Date Collected:	3/4/2024 12:00:00 AM
Project:		Date Received:	3/4/2024 12:00:00 AM
Client Sample ID:	PB159401TB	SDG No.:	BF030524
Lab Sample ID:	PB159401TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
Extraction Type :		Test:	
Injection Volume :		Level :	LOW
		Decanted :	
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137498.D	1	3/4/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159421

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

Client:		Date Collected:	3/5/2024 12:00:00 AM
Project:		Date Received:	3/5/2024 12:00:00 AM
Client Sample ID:	PB159437BL	SDG No.:	BF030524
Lab Sample ID:	PB159437BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137499.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	77.2	U	77.2	270	330	ug/Kg
110-86-1	Pyridine	72.4	U	72.4	130	170	ug/Kg
100-52-7	Benzaldehyde	150	U	150	270	330	ug/Kg
62-53-3	Aniline	120	U	120	130	170	ug/Kg
108-95-2	Phenol	74.4	U	74.4	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.7	U	89.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	72	U	72	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	81.6	U	81.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	88.4	U	88.4	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	82.3	U	82.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	98.7	U	98.7	270	330	ug/Kg
95-48-7	2-Methylphenol	110	U	110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	130	170	ug/Kg
98-86-2	Acetophenone	86.6	U	86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	59	U	59	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	73.6	U	73.6	130	170	ug/Kg
98-95-3	Nitrobenzene	75.1	U	75.1	130	170	ug/Kg
78-59-1	Isophorone	68.1	U	68.1	130	170	ug/Kg
88-75-5	2-Nitrophenol	95	U	95	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	99.5	U	99.5	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	78	U	78	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	77.4	U	77.4	130	170	ug/Kg
65-85-0	Benzoic acid	210	U	210	270	330	ug/Kg
91-20-3	Naphthalene	81.3	U	81.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.9	U	83.9	130	170	ug/Kg
105-60-2	Caprolactam	120	U	120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.4	U	82.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	94.8	U	94.8	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/5/2024 12:00:00 AM
Project:		Date Received:	3/5/2024 12:00:00 AM
Client Sample ID:	PB159437BL	SDG No.:	BF030524
Lab Sample ID:	PB159437BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137499.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

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

Report of Analysis

Client:		Date Collected:	3/5/2024 12:00:00 AM
Project:		Date Received:	3/5/2024 12:00:00 AM
Client Sample ID:	PB159437BL	SDG No.:	BF030524
Lab Sample ID:	PB159437BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137499.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	270	330	ug/Kg
129-00-0	Pyrene	83.6	U	83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	83.8	U	83.8	130	170	ug/Kg
218-01-9	Chrysene	86.7	U	86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.2	U	80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88	U	88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.2	U	94.2	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.4	U	96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.4	U	92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.3	U	89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.8	U	82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.1	U	90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	114.775		18-112		77	SPK: -150
13127-88-3	Phenol-d6	110.339		15-107		74	SPK: -150
4165-60-0	Nitrobenzene-d5	78.366		18-107		78	SPK: -100
321-60-8	2-Fluorobiphenyl	74.239		20-109		74	SPK: -100
118-79-6	2,4,6-Tribromophenol	127.889		10-110		85	SPK: -150
1718-51-0	Terphenyl-d14	64.754		14-112		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	255527	6.863				
1146-65-2	Naphthalene-d8	1014316	8.133				
15067-26-2	Acenaphthene-d10	562112	9.892				
1517-22-2	Phenanthrene-d10	1019551	11.386				
1719-03-5	Chrysene-d12	709883	14.045				
1520-96-3	Perylene-d12	537124	15.58				



Report of Analysis

Client:		Date Collected:	3/5/2024 12:00:00 AM
Project:		Date Received:	3/5/2024 12:00:00 AM
Client Sample ID:	PB159437BL	SDG No.:	BF030524
Lab Sample ID:	PB159437BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137499.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	140	A			5.151	
000111-06-8	Hexadecanoic acid, butyl ester	73	J			12.816	
000630-01-3	Hexacosane	74	J			16.698	

Report of Analysis

Client:		Date Collected:	3/5/2024 12:00:00 AM
Project:		Date Received:	3/5/2024 12:00:00 AM
Client Sample ID:	PB159437BS	SDG No.:	BF030524
Lab Sample ID:	PB159437BS	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
BF137500.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1600		77.3	270	330	ug/Kg
110-86-1	Pyridine	1200		72.4	130	170	ug/Kg
100-52-7	Benzaldehyde	180	J	150	270	330	ug/Kg
62-53-3	Aniline	830		120	130	170	ug/Kg
108-95-2	Phenol	1500		74.4	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		89.8	130	170	ug/Kg
95-57-8	2-Chlorophenol	1700		72	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		81.7	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		88.5	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500		82.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1800		98.8	270	330	ug/Kg
95-48-7	2-Methylphenol	1500		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		100	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.7	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		59	80	80	ug/Kg
67-72-1	Hexachloroethane	1600		73.6	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		75.2	130	170	ug/Kg
78-59-1	Isophorone	1500		68.1	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		95.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		99.6	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		78.1	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		77.5	130	170	ug/Kg
65-85-0	Benzoic acid	1600		210	270	330	ug/Kg
91-20-3	Naphthalene	1400		81.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	440		100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		84	130	170	ug/Kg
105-60-2	Caprolactam	1600		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		82.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		94.9	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/5/2024 12:00:00 AM
Project:		Date Received:	3/5/2024 12:00:00 AM
Client Sample ID:	PB159437BS	SDG No.:	BF030524
Lab Sample ID:	PB159437BS	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
BF137500.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	3100	E	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		77.1	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		87.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		91.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		84.6	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		99.3	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		88.9	130	170	ug/Kg
208-96-8	Acenaphthylene	1500		88.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		90	130	170	ug/Kg
99-09-2	3-Nitroaniline	950		93.4	130	170	ug/Kg
83-32-9	Acenaphthene	1400		80.3	130	170	ug/Kg
Total PAH	Total PAH	24300		1438.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3300	E	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	3100	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1400		76.9	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		99.9	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3200		189.9	130	340	ug/Kg
84-66-2	Diethylphthalate	1500		85.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		90.4	130	170	ug/Kg
86-73-7	Fluorene	1400		84.8	130	170	ug/Kg
100-01-6	4-Nitroaniline	1600		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		87.8	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		93.3	130	170	ug/Kg
103-33-3	Azobenzene	1400		73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		97.4	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		98.8	130	170	ug/Kg
1912-24-9	Atrazine	1400		95.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	3000	E	110	270	330	ug/Kg
85-01-8	Phenanthrene	1400		92.7	130	170	ug/Kg
120-12-7	Anthracene	1400		100	130	170	ug/Kg
86-74-8	Carbazole	1500		84.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		100	130	170	ug/Kg
206-44-0	Fluoranthene	1400		94.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/5/2024 12:00:00 AM
Project:		Date Received:	3/5/2024 12:00:00 AM
Client Sample ID:	PB159437BS	SDG No.:	BF030524
Lab Sample ID:	PB159437BS	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
BF137500.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	680		190	270	330	ug/Kg
129-00-0	Pyrene	1500		83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1900		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		83.9	130	170	ug/Kg
218-01-9	Chrysene	1500		86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		94.3	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	1200		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	129.041		18-112		86	SPK: -150
13127-88-3	Phenol-d6	124.465		15-107		83	SPK: -150
4165-60-0	Nitrobenzene-d5	84.944		18-107		85	SPK: -100
321-60-8	2-Fluorobiphenyl	80.322		20-109		80	SPK: -100
118-79-6	2,4,6-Tribromophenol	145.444		10-110		97	SPK: -150
1718-51-0	Terphenyl-d14	87.432		14-112		87	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	241156	6.863				
1146-65-2	Naphthalene-d8	993842	8.139				
15067-26-2	Acenaphthene-d10	546190	9.898				
1517-22-2	Phenanthrene-d10	959824	11.392				
1719-03-5	Chrysene-d12	505678	14.057				
1520-96-3	Perylene-d12	456854	15.58				



Report of Analysis

Client:		Date Collected:	3/5/2024 12:00:00 AM
Project:		Date Received:	3/5/2024 12:00:00 AM
Client Sample ID:	PB159437BS	SDG No.:	BF030524
Lab Sample ID:	PB159437BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137500.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

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

Client:		Date Collected:	3/1/2024 12:00:00 AM
Project:		Date Received:	3/1/2024 12:00:00 AM
Client Sample ID:	TP-3	SDG No.:	BF030524
Lab Sample ID:	P1672-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.3
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
BF137501.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	56	U	56	200	240	ug/Kg
110-86-1	Pyridine	52.5	U	52.5	94.3	120	ug/Kg
100-52-7	Benzaldehyde	110	U	110	200	240	ug/Kg
62-53-3	Aniline	84.8	U	84.8	94.3	120	ug/Kg
108-95-2	Phenol	53.9	U	53.9	94.3	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	65.1	U	65.1	94.3	120	ug/Kg
95-57-8	2-Chlorophenol	52.2	U	52.2	94.3	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	59.2	U	59.2	94.3	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	64.2	U	64.2	94.3	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	59.7	U	59.7	94.3	120	ug/Kg
100-51-6	Benzyl Alcohol	71.6	U	71.6	200	240	ug/Kg
95-48-7	2-Methylphenol	82.7	U	82.7	94.3	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	76.1	U	76.1	94.3	120	ug/Kg
98-86-2	Acetophenone	62.9	U	62.9	94.3	120	ug/Kg
65794-96-9	3+4-Methylphenols	78.3	U	78.3	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.8	U	42.8	58	58	ug/Kg
67-72-1	Hexachloroethane	53.4	U	53.4	94.3	120	ug/Kg
98-95-3	Nitrobenzene	54.5	U	54.5	94.3	120	ug/Kg
78-59-1	Isophorone	49.4	U	49.4	94.3	120	ug/Kg
88-75-5	2-Nitrophenol	69	U	69	94.3	120	ug/Kg
105-67-9	2,4-Dimethylphenol	72.2	U	72.2	94.3	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	81.2	U	81.2	94.3	120	ug/Kg
120-83-2	2,4-Dichlorophenol	56.6	U	56.6	94.3	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	56.2	U	56.2	94.3	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	200	240	ug/Kg
91-20-3	Naphthalene	59	U	59	94.3	120	ug/Kg
106-47-8	4-Chloroaniline	76.1	U	76.1	94.3	120	ug/Kg
87-68-3	Hexachlorobutadiene	60.9	U	60.9	94.3	120	ug/Kg
105-60-2	Caprolactam	84.8	U	84.8	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	59.8	U	59.8	94.3	120	ug/Kg
91-57-6	2-Methylnaphthalene	68.8	U	68.8	94.3	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/1/2024 12:00:00 AM
Project:		Date Received:	3/1/2024 12:00:00 AM
Client Sample ID:	TP-3	SDG No.:	BF030524
Lab Sample ID:	P1672-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.3
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
BF137501.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	150	U	150	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	55.9	U	55.9	94.3	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	63.7	U	63.7	94.3	120	ug/Kg
92-52-4	1,1-Biphenyl	66.2	U	66.2	94.3	120	ug/Kg
91-58-7	2-Chloronaphthalene	61.3	U	61.3	94.3	120	ug/Kg
88-74-4	2-Nitroaniline	72	U	72	94.3	120	ug/Kg
131-11-3	Dimethylphthalate	64.5	U	64.5	94.3	120	ug/Kg
208-96-8	Acenaphthylene	64.1	U	64.1	94.3	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	65.3	U	65.3	94.3	120	ug/Kg
99-09-2	3-Nitroaniline	67.7	U	67.7	94.3	120	ug/Kg
83-32-9	Acenaphthene	58.2	U	58.2	94.3	120	ug/Kg
Total PAH	Total PAH	1042	U	1042	94.3	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	200	240	ug/Kg
100-02-7	4-Nitrophenol	82.7	U	82.7	200	240	ug/Kg
132-64-9	Dibenzofuran	55.8	U	55.8	94.3	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	137.7	U	137.7	94.3	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	72.4	U	72.4	94.3	120	ug/Kg
84-66-2	Diethylphthalate	62.3	U	62.3	94.3	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	65.5	U	65.5	94.3	120	ug/Kg
86-73-7	Fluorene	61.5	U	61.5	94.3	120	ug/Kg
100-01-6	4-Nitroaniline	75.4	U	75.4	94.3	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	63.7	U	63.7	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	67.6	U	67.6	94.3	120	ug/Kg
103-33-3	Azobenzene	53.3	U	53.3	94.3	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	70.6	U	70.6	94.3	120	ug/Kg
118-74-1	Hexachlorobenzene	71.6	U	71.6	94.3	120	ug/Kg
1912-24-9	Atrazine	69.2	U	69.2	94.3	120	ug/Kg
87-86-5	Pentachlorophenol	80.5	U	80.5	200	240	ug/Kg
85-01-8	Phenanthrene	67.2	U	67.2	94.3	120	ug/Kg
120-12-7	Anthracene	74	U	74	94.3	120	ug/Kg
86-74-8	Carbazole	61.6	U	61.6	94.3	120	ug/Kg
84-74-2	Di-n-butylphthalate	75.4	U	75.4	94.3	120	ug/Kg
206-44-0	Fluoranthene	68.4	U	68.4	94.3	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/1/2024 12:00:00 AM
Project:		Date Received:	3/1/2024 12:00:00 AM
Client Sample ID:	TP-3	SDG No.:	BF030524
Lab Sample ID:	P1672-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.3
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
BF137501.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	140	U	140	200	240	ug/Kg
129-00-0	Pyrene	60.7	U	60.7	94.3	120	ug/Kg
85-68-7	Butylbenzylphthalate	74.7	U	74.7	94.3	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	60.8	U	60.8	94.3	120	ug/Kg
218-01-9	Chrysene	62.9	U	62.9	94.3	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	83.4	U	83.4	94.3	120	ug/Kg
117-84-0	Di-n-octyl phthalate	89.2	U	89.2	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	58.2	U	58.2	94.3	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	63.9	U	63.9	94.3	120	ug/Kg
50-32-8	Benzo(a)pyrene	68.4	U	68.4	94.3	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	77.6	U	77.6	94.3	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	70	U	70	94.3	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	67.1	U	67.1	94.3	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	64.8	U	64.8	94.3	120	ug/Kg
123-91-1	1,4-Dioxane	84.8	U	84.8	94.3	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	60.1	U	60.1	94.3	120	ug/Kg
90-12-0	1-Methylnaphthalene	65.4	U	65.4	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	88.589		18-112		59	SPK: -150
13127-88-3	Phenol-d6	84.109		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	57.338		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	59.247		20-109		59	SPK: -100
118-79-6	2,4,6-Tribromophenol	70.441		10-110		47	SPK: -150
1718-51-0	Terphenyl-d14	53.247		14-112		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	165207	6.857				
1146-65-2	Naphthalene-d8	630889	8.128				
15067-26-2	Acenaphthene-d10	337272	9.886				
1517-22-2	Phenanthrene-d10	573517	11.38				
1719-03-5	Chrysene-d12	343920	14.039				
1520-96-3	Perylene-d12	346407	15.568				

Report of Analysis

Client:		Date Collected:	3/1/2024 12:00:00 AM
Project:		Date Received:	3/1/2024 12:00:00 AM
Client Sample ID:	TP-3	SDG No.:	BF030524
Lab Sample ID:	P1672-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.3
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137501.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown9.992	610	J			9.992	
000057-10-3	n-Hexadecanoic acid	1300	J			11.927	
000112-61-8	Methyl stearate	65	J			12.58	
000112-80-1	Oleic Acid	120	J			12.651	
000057-11-4	Octadecanoic acid	2000	J			12.722	
001120-16-7	Dodecanamide	77.6	J			12.81	
000629-58-3	1-Pentadecanol acetate	57.3	J			12.886	
000593-49-7	Heptacosane	82.7	J			13.222	
000301-02-0	9-Octadecenamide, (Z)-	68.2	J			13.474	
000629-94-7	Heneicosane	190	J			13.569	
007098-22-8	Tetratetracontane	310	J			13.904	
000638-68-6	Triacontane	220	J			14.221	
000629-92-5	Nonadecane	61.4	J			14.474	
001560-98-1	Octacosane, 2-methyl-	210	J			14.533	
000629-99-2	Pentacosane	160	J			14.857	
1000108-92-4	Farnesol isomer a	150	J			14.939	
000630-02-4	Octacosane	110	J			15.221	
001560-97-0	Dodecane, 2-methyl-	86	J			15.468	
000629-78-7	Heptadecane	79.5	J			15.639	
000630-06-8	Hexatriacontane	52.7	J			16.074	

Report of Analysis

Client:		Date Collected:	3/1/2024 12:00:00 AM
Project:		Date Received:	3/1/2024 12:00:00 AM
Client Sample ID:	TP-3MS	SDG No.:	BF030524
Lab Sample ID:	P1672-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.3
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
BF137502.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		56	200	240	ug/Kg
110-86-1	Pyridine	970		52.5	94.2	120	ug/Kg
100-52-7	Benzaldehyde	910		110	200	240	ug/Kg
62-53-3	Aniline	680		84.8	94.2	120	ug/Kg
108-95-2	Phenol	1100		53.9	94.2	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		65.1	94.2	120	ug/Kg
95-57-8	2-Chlorophenol	1100		52.2	94.2	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		59.2	94.2	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1100		64.1	94.2	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1100		59.7	94.2	120	ug/Kg
100-51-6	Benzyl Alcohol	1200		71.6	200	240	ug/Kg
95-48-7	2-Methylphenol	970		82.6	94.2	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		76.1	94.2	120	ug/Kg
98-86-2	Acetophenone	1100		62.8	94.2	120	ug/Kg
65794-96-9	3+4-Methylphenols	1000		78.2	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	970		42.7	58	58	ug/Kg
67-72-1	Hexachloroethane	1100		53.3	94.2	120	ug/Kg
98-95-3	Nitrobenzene	1100		54.5	94.2	120	ug/Kg
78-59-1	Isophorone	1100		49.3	94.2	120	ug/Kg
88-75-5	2-Nitrophenol	1200		68.9	94.2	120	ug/Kg
105-67-9	2,4-Dimethylphenol	900		72.2	94.2	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		81.1	94.2	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		56.6	94.2	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100		56.1	94.2	120	ug/Kg
65-85-0	Benzoic acid	460		160	200	240	ug/Kg
91-20-3	Naphthalene	1100		59	94.2	120	ug/Kg
106-47-8	4-Chloroaniline	360		76.1	94.2	120	ug/Kg
87-68-3	Hexachlorobutadiene	1100		60.9	94.2	120	ug/Kg
105-60-2	Caprolactam	1100		84.8	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		59.8	94.2	120	ug/Kg
91-57-6	2-Methylnaphthalene	1100		68.8	94.2	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/1/2024 12:00:00 AM
Project:		Date Received:	3/1/2024 12:00:00 AM
Client Sample ID:	TP-3MS	SDG No.:	BF030524
Lab Sample ID:	P1672-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.3
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
BF137502.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2000	E	150	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		55.9	94.2	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	990		63.7	94.2	120	ug/Kg
92-52-4	1,1-Biphenyl	1100		66.1	94.2	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		61.3	94.2	120	ug/Kg
88-74-4	2-Nitroaniline	1100		71.9	94.2	120	ug/Kg
131-11-3	Dimethylphthalate	1100		64.4	94.2	120	ug/Kg
208-96-8	Acenaphthylene	1200		64	94.2	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		65.2	94.2	120	ug/Kg
99-09-2	3-Nitroaniline	710		67.7	94.2	120	ug/Kg
83-32-9	Acenaphthene	1100		58.2	94.2	120	ug/Kg
Total PAH	Total PAH	17390		1041.1	94.2	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	1200		130	200	240	ug/Kg
100-02-7	4-Nitrophenol	2000	E	82.6	200	240	ug/Kg
132-64-9	Dibenzofuran	1100		55.7	94.2	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2300		137.6	94.2	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		72.4	94.2	120	ug/Kg
84-66-2	Diethylphthalate	1100		62.2	94.2	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		65.5	94.2	120	ug/Kg
86-73-7	Fluorene	1000		61.4	94.2	120	ug/Kg
100-01-6	4-Nitroaniline	1100		75.3	94.2	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	830		63.6	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		67.6	94.2	120	ug/Kg
103-33-3	Azobenzene	1100		53.3	94.2	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		70.6	94.2	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		71.6	94.2	120	ug/Kg
1912-24-9	Atrazine	1200		69.1	94.2	120	ug/Kg
87-86-5	Pentachlorophenol	1600		80.4	200	240	ug/Kg
85-01-8	Phenanthrene	1100		67.2	94.2	120	ug/Kg
120-12-7	Anthracene	1100		73.9	94.2	120	ug/Kg
86-74-8	Carbazole	1100		61.5	94.2	120	ug/Kg
84-74-2	Di-n-butylphthalate	1100		75.3	94.2	120	ug/Kg
206-44-0	Fluoranthene	1100		68.4	94.2	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/1/2024 12:00:00 AM
Project:		Date Received:	3/1/2024 12:00:00 AM
Client Sample ID:	TP-3MS	SDG No.:	BF030524
Lab Sample ID:	P1672-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.3
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137502.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1500		140	200	240	ug/Kg
129-00-0	Pyrene	1100		60.6	94.2	120	ug/Kg
85-68-7	Butylbenzylphthalate	1400		74.6	94.2	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	730		120	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	1100		60.8	94.2	120	ug/Kg
218-01-9	Chrysene	1100		62.9	94.2	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		83.3	94.2	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		89.1	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		58.2	94.2	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000		63.8	94.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		68.3	94.2	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		77.5	94.2	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		69.9	94.2	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	990		67	94.2	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		64.8	94.2	120	ug/Kg
123-91-1	1,4-Dioxane	1000		84.8	94.2	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		60.1	94.2	120	ug/Kg
90-12-0	1-Methylnaphthalene	1000		65.3	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	85.953		18-112		57	SPK: -150
13127-88-3	Phenol-d6	78.978		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	55.697		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	56.312		20-109		56	SPK: -100
118-79-6	2,4,6-Tribromophenol	79.272		10-110		53	SPK: -150
1718-51-0	Terphenyl-d14	55.458		14-112		55	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	163434	6.857				
1146-65-2	Naphthalene-d8	610981	8.134				
15067-26-2	Acenaphthene-d10	330621	9.886				
1517-22-2	Phenanthrene-d10	562603	11.38				
1719-03-5	Chrysene-d12	306155	14.045				
1520-96-3	Perylene-d12	352773	15.568				



Report of Analysis

Client:		Date Collected:	3/1/2024 12:00:00 AM
Project:		Date Received:	3/1/2024 12:00:00 AM
Client Sample ID:	TP-3MS	SDG No.:	BF030524
Lab Sample ID:	P1672-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.3
Sample Wt/Vol:	50.07	Final Vol:	1000 uL
Soil Aliquot Vol:		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
BF137502.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

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

Client:		Date Collected:	3/1/2024 12:00:00 AM
Project:		Date Received:	3/1/2024 12:00:00 AM
Client Sample ID:	TP-3MSD	SDG No.:	BF030524
Lab Sample ID:	P1672-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.3
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137503.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		56	200	240	ug/Kg
110-86-1	Pyridine	910		52.4	94.1	120	ug/Kg
100-52-7	Benzaldehyde	880		110	200	240	ug/Kg
62-53-3	Aniline	670		84.7	94.1	120	ug/Kg
108-95-2	Phenol	1100		53.9	94.1	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		65	94.1	120	ug/Kg
95-57-8	2-Chlorophenol	1100		52.1	94.1	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		59.2	94.1	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1100		64.1	94.1	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1100		59.7	94.1	120	ug/Kg
100-51-6	Benzyl Alcohol	1200		71.6	200	240	ug/Kg
95-48-7	2-Methylphenol	930		82.6	94.1	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		76	94.1	120	ug/Kg
98-86-2	Acetophenone	1100		62.8	94.1	120	ug/Kg
65794-96-9	3+4-Methylphenols	980		78.2	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	950		42.7	57.9	57.9	ug/Kg
67-72-1	Hexachloroethane	1100		53.3	94.1	120	ug/Kg
98-95-3	Nitrobenzene	1000		54.5	94.1	120	ug/Kg
78-59-1	Isophorone	1000		49.3	94.1	120	ug/Kg
88-75-5	2-Nitrophenol	1100		68.9	94.1	120	ug/Kg
105-67-9	2,4-Dimethylphenol	860		72.1	94.1	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		81.1	94.1	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		56.6	94.1	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100		56.1	94.1	120	ug/Kg
65-85-0	Benzoic acid	450		150	200	240	ug/Kg
91-20-3	Naphthalene	1000		59	94.1	120	ug/Kg
106-47-8	4-Chloroaniline	340		76	94.1	120	ug/Kg
87-68-3	Hexachlorobutadiene	1000		60.8	94.1	120	ug/Kg
105-60-2	Caprolactam	1000		84.7	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		59.7	94.1	120	ug/Kg
91-57-6	2-Methylnaphthalene	1000		68.7	94.1	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/1/2024 12:00:00 AM
Project:		Date Received:	3/1/2024 12:00:00 AM
Client Sample ID:	TP-3MSD	SDG No.:	BF030524
Lab Sample ID:	P1672-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.3
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137503.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1900	E	150	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		55.8	94.1	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		63.7	94.1	120	ug/Kg
92-52-4	1,1-Biphenyl	1100		66.1	94.1	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		61.3	94.1	120	ug/Kg
88-74-4	2-Nitroaniline	1100		71.9	94.1	120	ug/Kg
131-11-3	Dimethylphthalate	1000		64.4	94.1	120	ug/Kg
208-96-8	Acenaphthylene	1100		64	94.1	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		65.2	94.1	120	ug/Kg
99-09-2	3-Nitroaniline	690		67.6	94.1	120	ug/Kg
83-32-9	Acenaphthene	1000		58.2	94.1	120	ug/Kg
Total PAH	Total PAH	16550		1041	94.1	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	1200		130	200	240	ug/Kg
100-02-7	4-Nitrophenol	1900		82.6	200	240	ug/Kg
132-64-9	Dibenzofuran	1000		55.7	94.1	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		72.3	94.1	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2200		137.5	94.1	240	ug/Kg
84-66-2	Diethylphthalate	1000		62.2	94.1	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	980		65.5	94.1	120	ug/Kg
86-73-7	Fluorene	1000		61.4	94.1	120	ug/Kg
100-01-6	4-Nitroaniline	1000		75.3	94.1	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	850		63.6	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		67.6	94.1	120	ug/Kg
103-33-3	Azobenzene	1000		53.2	94.1	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		70.5	94.1	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		71.6	94.1	120	ug/Kg
1912-24-9	Atrazine	1100		69.1	94.1	120	ug/Kg
87-86-5	Pentachlorophenol	1600		80.4	200	240	ug/Kg
85-01-8	Phenanthrene	1000		67.1	94.1	120	ug/Kg
120-12-7	Anthracene	1000		73.9	94.1	120	ug/Kg
86-74-8	Carbazole	1100		61.5	94.1	120	ug/Kg
84-74-2	Di-n-butylphthalate	1100		75.3	94.1	120	ug/Kg
206-44-0	Fluoranthene	1000		68.4	94.1	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/1/2024 12:00:00 AM
Project:		Date Received:	3/1/2024 12:00:00 AM
Client Sample ID:	TP-3MSD	SDG No.:	BF030524
Lab Sample ID:	P1672-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.3
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137503.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1500		140	200	240	ug/Kg
129-00-0	Pyrene	1100		60.6	94.1	120	ug/Kg
85-68-7	Butylbenzylphthalate	1400		74.6	94.1	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	760		120	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	1100		60.8	94.1	120	ug/Kg
218-01-9	Chrysene	1100		62.9	94.1	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		83.3	94.1	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		89.1	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		58.2	94.1	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000		63.8	94.1	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		68.3	94.1	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		77.5	94.1	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000		69.9	94.1	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	950		67	94.1	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		64.7	94.1	120	ug/Kg
123-91-1	1,4-Dioxane	970		84.7	94.1	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	990		60	94.1	120	ug/Kg
90-12-0	1-Methylnaphthalene	980		65.3	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.879		18-112		55	SPK: -150
13127-88-3	Phenol-d6	78.142		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	52.601		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	53.679		20-109		54	SPK: -100
118-79-6	2,4,6-Tribromophenol	78.644		10-110		52	SPK: -150
1718-51-0	Terphenyl-d14	54.947		14-112		55	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	177257	6.857				
1146-65-2	Naphthalene-d8	691022	8.134				
15067-26-2	Acenaphthene-d10	376519	9.886				
1517-22-2	Phenanthrene-d10	636957	11.386				
1719-03-5	Chrysene-d12	334315	14.045				
1520-96-3	Perylene-d12	371646	15.568				



Report of Analysis

Client:		Date Collected:	3/1/2024 12:00:00 AM
Project:		Date Received:	3/1/2024 12:00:00 AM
Client Sample ID:	TP-3MSD	SDG No.:	BF030524
Lab Sample ID:	P1672-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.3
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137503.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

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

Client:		Date Collected:	3/2/2024 12:00:00 AM
Project:		Date Received:	3/2/2024 12:00:00 AM
Client Sample ID:	TP-13	SDG No.:	BF030524
Lab Sample ID:	P1672-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.6
Sample Wt/Vol:	50.1	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137504.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	53	U	53	180	230	ug/Kg
110-86-1	Pyridine	49.6	U	49.6	89.1	120	ug/Kg
100-52-7	Benzaldehyde	100	U	100	180	230	ug/Kg
62-53-3	Aniline	80.2	U	80.2	89.1	120	ug/Kg
108-95-2	Phenol	51	U	51	89.1	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	61.5	U	61.5	89.1	120	ug/Kg
95-57-8	2-Chlorophenol	49.3	U	49.3	89.1	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	56	U	56	89.1	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	60.6	U	60.6	89.1	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	56.5	U	56.5	89.1	120	ug/Kg
100-51-6	Benzyl Alcohol	67.7	U	67.7	180	230	ug/Kg
95-48-7	2-Methylphenol	78.1	U	78.1	89.1	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	71.9	U	71.9	89.1	120	ug/Kg
98-86-2	Acetophenone	59.4	U	59.4	89.1	120	ug/Kg
65794-96-9	3+4-Methylphenols	74	U	74	180	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.4	U	40.4	54.8	54.8	ug/Kg
67-72-1	Hexachloroethane	50.4	U	50.4	89.1	120	ug/Kg
98-95-3	Nitrobenzene	51.5	U	51.5	89.1	120	ug/Kg
78-59-1	Isophorone	46.7	U	46.7	89.1	120	ug/Kg
88-75-5	2-Nitrophenol	65.2	U	65.2	89.1	120	ug/Kg
105-67-9	2,4-Dimethylphenol	68.2	U	68.2	89.1	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	76.7	U	76.7	89.1	120	ug/Kg
120-83-2	2,4-Dichlorophenol	53.5	U	53.5	89.1	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	53.1	U	53.1	89.1	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	180	230	ug/Kg
91-20-3	Naphthalene	55.8	U	55.8	89.1	120	ug/Kg
106-47-8	4-Chloroaniline	71.9	U	71.9	89.1	120	ug/Kg
87-68-3	Hexachlorobutadiene	57.6	U	57.6	89.1	120	ug/Kg
105-60-2	Caprolactam	80.2	U	80.2	180	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	56.5	U	56.5	89.1	120	ug/Kg
91-57-6	2-Methylnaphthalene	65	U	65	89.1	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/2/2024 12:00:00 AM
Project:		Date Received:	3/2/2024 12:00:00 AM
Client Sample ID:	TP-13	SDG No.:	BF030524
Lab Sample ID:	P1672-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.6
Sample Wt/Vol:	50.1	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137504.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	180	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	52.8	U	52.8	89.1	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	60.2	U	60.2	89.1	120	ug/Kg
92-52-4	1,1-Biphenyl	62.6	U	62.6	89.1	120	ug/Kg
91-58-7	2-Chloronaphthalene	58	U	58	89.1	120	ug/Kg
88-74-4	2-Nitroaniline	68	U	68	89.1	120	ug/Kg
131-11-3	Dimethylphthalate	60.9	U	60.9	89.1	120	ug/Kg
208-96-8	Acenaphthylene	60.6	U	60.6	89.1	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	61.7	U	61.7	89.1	120	ug/Kg
99-09-2	3-Nitroaniline	64	U	64	89.1	120	ug/Kg
83-32-9	Acenaphthene	55	U	55	89.1	120	ug/Kg
Total PAH	Total PAH	984.7	U	984.7	89.1	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	230	ug/Kg
100-02-7	4-Nitrophenol	78.1	U	78.1	180	230	ug/Kg
132-64-9	Dibenzofuran	52.7	U	52.7	89.1	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	68.4	U	68.4	89.1	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	30.1	U	130.1	89.1	240	ug/Kg
84-66-2	Diethylphthalate	58.9	U	58.9	89.1	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	61.9	U	61.9	89.1	120	ug/Kg
86-73-7	Fluorene	58.1	U	58.1	89.1	120	ug/Kg
100-01-6	4-Nitroaniline	71.3	U	71.3	89.1	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	60.2	U	60.2	180	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	63.9	U	63.9	89.1	120	ug/Kg
103-33-3	Azobenzene	50.4	U	50.4	89.1	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	66.7	U	66.7	89.1	120	ug/Kg
118-74-1	Hexachlorobenzene	67.7	U	67.7	89.1	120	ug/Kg
1912-24-9	Atrazine	65.4	U	65.4	89.1	120	ug/Kg
87-86-5	Pentachlorophenol	76	U	76	180	230	ug/Kg
85-01-8	Phenanthrene	63.5	U	63.5	89.1	120	ug/Kg
120-12-7	Anthracene	69.9	U	69.9	89.1	120	ug/Kg
86-74-8	Carbazole	58.2	U	58.2	89.1	120	ug/Kg
84-74-2	Di-n-butylphthalate	71.3	U	71.3	89.1	120	ug/Kg
206-44-0	Fluoranthene	64.7	U	64.7	89.1	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/2/2024 12:00:00 AM
Project:		Date Received:	3/2/2024 12:00:00 AM
Client Sample ID:	TP-13	SDG No.:	BF030524
Lab Sample ID:	P1672-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.6
Sample Wt/Vol:	50.1	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137504.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	180	230	ug/Kg
129-00-0	Pyrene	57.3	U	57.3	89.1	120	ug/Kg
85-68-7	Butylbenzylphthalate	70.6	U	70.6	89.1	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	230	ug/Kg
56-55-3	Benzo(a)anthracene	57.5	U	57.5	89.1	120	ug/Kg
218-01-9	Chrysene	59.5	U	59.5	89.1	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	78.8	U	78.8	89.1	120	ug/Kg
117-84-0	Di-n-octyl phthalate	84.3	U	84.3	180	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	55	U	55	89.1	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	60.4	U	60.4	89.1	120	ug/Kg
50-32-8	Benzo(a)pyrene	64.6	U	64.6	89.1	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	73.3	U	73.3	89.1	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	66.1	U	66.1	89.1	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	63.4	U	63.4	89.1	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	61.3	U	61.3	89.1	120	ug/Kg
123-91-1	1,4-Dioxane	80.2	U	80.2	89.1	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	56.8	U	56.8	89.1	120	ug/Kg
90-12-0	1-Methylnaphthalene	61.8	U	61.8	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	94.335		18-112		63	SPK: -150
13127-88-3	Phenol-d6	89.297		15-107		60	SPK: -150
4165-60-0	Nitrobenzene-d5	62.731		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	64.434		20-109		64	SPK: -100
118-79-6	2,4,6-Tribromophenol	76.144		10-110		51	SPK: -150
1718-51-0	Terphenyl-d14	59.648		14-112		60	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	169947	6.851				
1146-65-2	Naphthalene-d8	659047	8.122				
15067-26-2	Acenaphthene-d10	355358	9.881				
1517-22-2	Phenanthrene-d10	597941	11.375				
1719-03-5	Chrysene-d12	341383	14.039				
1520-96-3	Perylene-d12	345718	15.563				



Report of Analysis

Client:		Date Collected:	3/2/2024 12:00:00 AM
Project:		Date Received:	3/2/2024 12:00:00 AM
Client Sample ID:	TP-13	SDG No.:	BF030524
Lab Sample ID:	P1672-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.6
Sample Wt/Vol:	50.1	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137504.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-55-6	Propylene Glycol	110	J			3.446	
000770-35-4	1-Phenoxypropan-2-ol	49.1	J			8.445	
	unknown9.986	460	J			9.986	
000640-61-9	Benzenesulfonamide, N,4-dimethyl-	120	J			10.792	
000886-66-8	Benzene, 1,1-(1,3-butadiyne-1,4-d	51.2	J			12.828	
000301-02-0	9-Octadecenamide, (Z)-	260	J			13.469	
1010309-70-5	Oxalic acid, cyclobutyl pentadecyl	99.6	J			13.898	

Report of Analysis

Client:		Date Collected:	3/4/2024 12:00:00 AM
Project:		Date Received:	3/4/2024 12:00:00 AM
Client Sample ID:	1A	SDG No.:	BF030524
Lab Sample ID:	P1674-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.7
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
BF137505.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	51.3	U	51.3	180	220	ug/Kg
110-86-1	Pyridine	48	U	48	86.2	110	ug/Kg
100-52-7	Benzaldehyde	98.2	U	98.2	180	220	ug/Kg
62-53-3	Aniline	77.6	U	77.6	86.2	110	ug/Kg
108-95-2	Phenol	49.4	U	49.4	86.2	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	59.6	U	59.6	86.2	110	ug/Kg
95-57-8	2-Chlorophenol	47.8	U	47.8	86.2	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54.2	U	54.2	86.2	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	58.7	U	58.7	86.2	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	54.7	U	54.7	86.2	110	ug/Kg
100-51-6	Benzyl Alcohol	65.5	U	65.5	180	220	ug/Kg
95-48-7	2-Methylphenol	75.6	U	75.6	86.2	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	69.7	U	69.7	86.2	110	ug/Kg
98-86-2	Acetophenone	57.5	U	57.5	86.2	110	ug/Kg
65794-96-9	3+4-Methylphenols	71.6	U	71.6	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	39.1	U	39.1	53.1	53.1	ug/Kg
67-72-1	Hexachloroethane	48.8	U	48.8	86.2	110	ug/Kg
98-95-3	Nitrobenzene	49.9	U	49.9	86.2	110	ug/Kg
78-59-1	Isophorone	45.2	U	45.2	86.2	110	ug/Kg
88-75-5	2-Nitrophenol	63.1	U	63.1	86.2	110	ug/Kg
105-67-9	2,4-Dimethylphenol	66.1	U	66.1	86.2	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	74.3	U	74.3	86.2	110	ug/Kg
120-83-2	2,4-Dichlorophenol	51.8	U	51.8	86.2	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.4	U	51.4	86.2	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	180	220	ug/Kg
91-20-3	Naphthalene	54	U	54	86.2	110	ug/Kg
106-47-8	4-Chloroaniline	69.7	U	69.7	86.2	110	ug/Kg
87-68-3	Hexachlorobutadiene	55.7	U	55.7	86.2	110	ug/Kg
105-60-2	Caprolactam	77.6	U	77.6	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	54.7	U	54.7	86.2	110	ug/Kg
91-57-6	2-Methylnaphthalene	63	U	63	86.2	110	ug/Kg

Report of Analysis

Client:		Date Collected:	3/4/2024 12:00:00 AM
Project:		Date Received:	3/4/2024 12:00:00 AM
Client Sample ID:	1A	SDG No.:	BF030524
Lab Sample ID:	P1674-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.7
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
BF137505.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	51.1	U	51.1	86.2	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	58.3	U	58.3	86.2	110	ug/Kg
92-52-4	1,1-Biphenyl	60.6	U	60.6	86.2	110	ug/Kg
91-58-7	2-Chloronaphthalene	56.1	U	56.1	86.2	110	ug/Kg
88-74-4	2-Nitroaniline	65.9	U	65.9	86.2	110	ug/Kg
131-11-3	Dimethylphthalate	59	U	59	86.2	110	ug/Kg
208-96-8	Acenaphthylene	58.6	U	58.6	86.2	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	59.7	U	59.7	86.2	110	ug/Kg
99-09-2	3-Nitroaniline	62	U	62	86.2	110	ug/Kg
83-32-9	Acenaphthene	53.3	U	53.3	86.2	110	ug/Kg
Total PAH	Total PAH	953.5	U	953.5	86.2	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	220	ug/Kg
100-02-7	4-Nitrophenol	75.6	U	75.6	180	220	ug/Kg
132-64-9	Dibenzofuran	51	U	51	86.2	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	26	U	126	86.2	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	66.3	U	66.3	86.2	110	ug/Kg
84-66-2	Diethylphthalate	57	U	57	86.2	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	60	U	60	86.2	110	ug/Kg
86-73-7	Fluorene	56.3	U	56.3	86.2	110	ug/Kg
100-01-6	4-Nitroaniline	69	U	69	86.2	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	58.2	U	58.2	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	61.9	U	61.9	86.2	110	ug/Kg
103-33-3	Azobenzene	48.8	U	48.8	86.2	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	64.6	U	64.6	86.2	110	ug/Kg
118-74-1	Hexachlorobenzene	65.5	U	65.5	86.2	110	ug/Kg
1912-24-9	Atrazine	63.3	U	63.3	86.2	110	ug/Kg
87-86-5	Pentachlorophenol	73.6	U	73.6	180	220	ug/Kg
85-01-8	Phenanthrene	63.5	J	61.5	86.2	110	ug/Kg
120-12-7	Anthracene	67.7	U	67.7	86.2	110	ug/Kg
86-74-8	Carbazole	56.3	U	56.3	86.2	110	ug/Kg
84-74-2	Di-n-butylphthalate	69	U	69	86.2	110	ug/Kg
206-44-0	Fluoranthene	110		62.6	86.2	110	ug/Kg

Report of Analysis

Client:		Date Collected:	3/4/2024 12:00:00 AM
Project:		Date Received:	3/4/2024 12:00:00 AM
Client Sample ID:	1A	SDG No.:	BF030524
Lab Sample ID:	P1674-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.7
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
BF137505.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	180	220	ug/Kg
129-00-0	Pyrene	95.5	J	55.5	86.2	110	ug/Kg
85-68-7	Butylbenzylphthalate	68.3	U	68.3	86.2	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	77.1	J	55.7	86.2	110	ug/Kg
218-01-9	Chrysene	71.3	J	57.6	86.2	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	76.3	U	76.3	86.2	110	ug/Kg
117-84-0	Di-n-octyl phthalate	81.6	U	81.6	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	78.1	J	53.3	86.2	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	58.4	U	58.4	86.2	110	ug/Kg
50-32-8	Benzo(a)pyrene	62.6	U	62.6	86.2	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	71	U	71	86.2	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	64	U	64	86.2	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	61.4	U	61.4	86.2	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59.3	U	59.3	86.2	110	ug/Kg
123-91-1	1,4-Dioxane	77.6	U	77.6	86.2	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	55	U	55	86.2	110	ug/Kg
90-12-0	1-Methylnaphthalene	59.8	U	59.8	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	94.937		18-112		63	SPK: -150
13127-88-3	Phenol-d6	90.1		15-107		60	SPK: -150
4165-60-0	Nitrobenzene-d5	62.417		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	60.909		20-109		61	SPK: -100
118-79-6	2,4,6-Tribromophenol	74.182		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	53.432		14-112		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	179317	6.845				
1146-65-2	Naphthalene-d8	692187	8.122				
15067-26-2	Acenaphthene-d10	378764	9.88				
1517-22-2	Phenanthrene-d10	637888	11.374				
1719-03-5	Chrysene-d12	357083	14.033				
1520-96-3	Perylene-d12	382440	15.557				



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

Report of Analysis

Client:		Date Collected:	3/4/2024 12:00:00 AM
Project:		Date Received:	3/4/2024 12:00:00 AM
Client Sample ID:	1A	SDG No.:	BF030524
Lab Sample ID:	P1674-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.7
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
BF137505.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	620	J			2.122	
1000383-11-5	Carbonic acid, octadecyl prop-1-en	83.4	J			13.898	
000544-76-3	Hexadecane	46.2	J			15.215	
000545-47-1	Lupeol	110	J			18.403	

Report of Analysis

Client:		Date Collected:	3/4/2024 12:00:00 AM
Project:		Date Received:	3/4/2024 12:00:00 AM
Client Sample ID:	2B	SDG No.:	BF030524
Lab Sample ID:	P1674-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.3
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
BF137506.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

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

Report of Analysis

Client:		Date Collected:	3/4/2024 12:00:00 AM
Project:		Date Received:	3/4/2024 12:00:00 AM
Client Sample ID:	2B	SDG No.:	BF030524
Lab Sample ID:	P1674-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.3
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
BF137506.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	180	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	52.7	U	52.7	88.9	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	60.1	U	60.1	88.9	120	ug/Kg
92-52-4	1,1-Biphenyl	62.4	U	62.4	88.9	120	ug/Kg
91-58-7	2-Chloronaphthalene	57.8	U	57.8	88.9	120	ug/Kg
88-74-4	2-Nitroaniline	67.9	U	67.9	88.9	120	ug/Kg
131-11-3	Dimethylphthalate	60.8	U	60.8	88.9	120	ug/Kg
208-96-8	Acenaphthylene	60.4	U	60.4	88.9	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	61.5	U	61.5	88.9	120	ug/Kg
99-09-2	3-Nitroaniline	63.8	U	63.8	88.9	120	ug/Kg
83-32-9	Acenaphthene	54.9	U	54.9	88.9	120	ug/Kg
Total PAH	Total PAH	1969.1	U	982.2	88.9	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	230	ug/Kg
100-02-7	4-Nitrophenol	77.9	U	77.9	180	230	ug/Kg
132-64-9	Dibenzofuran	52.6	U	52.6	88.9	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	29.8	U	129.8	88.9	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	68.3	U	68.3	88.9	120	ug/Kg
84-66-2	Diethylphthalate	58.7	U	58.7	88.9	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	61.8	U	61.8	88.9	120	ug/Kg
86-73-7	Fluorene	58	U	58	88.9	120	ug/Kg
100-01-6	4-Nitroaniline	71.1	U	71.1	88.9	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	60	U	60	180	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	63.8	U	63.8	88.9	120	ug/Kg
103-33-3	Azobenzene	50.2	U	50.2	88.9	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	66.6	U	66.6	88.9	120	ug/Kg
118-74-1	Hexachlorobenzene	67.5	U	67.5	88.9	120	ug/Kg
1912-24-9	Atrazine	65.2	U	65.2	88.9	120	ug/Kg
87-86-5	Pentachlorophenol	75.9	U	75.9	180	230	ug/Kg
85-01-8	Phenanthrene	290		63.4	88.9	120	ug/Kg
120-12-7	Anthracene	69.7	U	69.7	88.9	120	ug/Kg
86-74-8	Carbazole	58	U	58	88.9	120	ug/Kg
84-74-2	Di-n-butylphthalate	71.1	U	71.1	88.9	120	ug/Kg
206-44-0	Fluoranthene	510		64.5	88.9	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/4/2024 12:00:00 AM
Project:		Date Received:	3/4/2024 12:00:00 AM
Client Sample ID:	2B	SDG No.:	BF030524
Lab Sample ID:	P1674-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.3
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
BF137506.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	180	230	ug/Kg
129-00-0	Pyrene	370		57.2	88.9	120	ug/Kg
85-68-7	Butylbenzylphthalate	70.4	U	70.4	88.9	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	230	ug/Kg
56-55-3	Benzo(a)anthracene	230		57.3	88.9	120	ug/Kg
218-01-9	Chrysene	220		59.3	88.9	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	78.6	U	78.6	88.9	120	ug/Kg
117-84-0	Di-n-octyl phthalate	84.1	U	84.1	180	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	190		54.9	88.9	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	73.7	J	60.2	88.9	120	ug/Kg
50-32-8	Benzo(a)pyrene	85.4	J	64.5	88.9	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	73.1	U	73.1	88.9	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	66	U	66	88.9	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	63.2	U	63.2	88.9	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	61.1	U	61.1	88.9	120	ug/Kg
123-91-1	1,4-Dioxane	80	U	80	88.9	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	56.7	U	56.7	88.9	120	ug/Kg
90-12-0	1-Methylnaphthalene	61.6	U	61.6	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	99.86		18-112		67	SPK: -150
13127-88-3	Phenol-d6	95.333		15-107		64	SPK: -150
4165-60-0	Nitrobenzene-d5	63.415		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	62.919		20-109		63	SPK: -100
118-79-6	2,4,6-Tribromophenol	82.178		10-110		55	SPK: -150
1718-51-0	Terphenyl-d14	56.941		14-112		57	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	178306	6.845				
1146-65-2	Naphthalene-d8	698706	8.122				
15067-26-2	Acenaphthene-d10	380893	9.875				
1517-22-2	Phenanthrene-d10	637216	11.375				
1719-03-5	Chrysene-d12	356658	14.033				
1520-96-3	Perylene-d12	382591	15.557				

Report of Analysis

Client:		Date Collected:	3/4/2024 12:00:00 AM
Project:		Date Received:	3/4/2024 12:00:00 AM
Client Sample ID:	2B	SDG No.:	BF030524
Lab Sample ID:	P1674-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.3
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137506.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	520	J			2.111	
000832-71-3	Phenanthrene, 3-methyl-	66.6	J			11.904	
000779-02-2	Anthracene, 9-methyl-	57.9	J			11.986	
000243-17-4	11H-Benzo[b]fluorene	47.8	J			13.051	
033543-31-6	Fluoranthene, 2-methyl-	48.4	J			13.263	
000479-79-8	11H-Benzo[a]fluoren-11-one	58.1	J			13.669	
1000309-38-1	Oxalic acid, isobutyl hexadecyl ester	81.7	J			13.892	
000192-97-2	Benzo[e]pyrene	100	J			15.421	
000193-39-5	Indeno[1,2,3-cd]pyrene	63.5	J			17.127	

Report of Analysis

Client:		Date Collected:	3/2/2024 12:00:00 AM
Project:		Date Received:	3/2/2024 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	BF030524
Lab Sample ID:	P1672-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.5
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
BF137507.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	53	U	53	180	230	ug/Kg
110-86-1	Pyridine	49.6	U	49.6	89.1	120	ug/Kg
100-52-7	Benzaldehyde	100	U	100	180	230	ug/Kg
62-53-3	Aniline	80.1	U	80.1	89.1	120	ug/Kg
108-95-2	Phenol	51	U	51	89.1	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	61.5	U	61.5	89.1	120	ug/Kg
95-57-8	2-Chlorophenol	49.3	U	49.3	89.1	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	56	U	56	89.1	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	60.6	U	60.6	89.1	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	56.4	U	56.4	89.1	120	ug/Kg
100-51-6	Benzyl Alcohol	67.7	U	67.7	180	230	ug/Kg
95-48-7	2-Methylphenol	78.1	U	78.1	89.1	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	71.9	U	71.9	89.1	120	ug/Kg
98-86-2	Acetophenone	59.4	U	59.4	89.1	120	ug/Kg
65794-96-9	3+4-Methylphenols	74	U	74	180	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.4	U	40.4	54.8	54.8	ug/Kg
67-72-1	Hexachloroethane	50.4	U	50.4	89.1	120	ug/Kg
98-95-3	Nitrobenzene	51.5	U	51.5	89.1	120	ug/Kg
78-59-1	Isophorone	46.7	U	46.7	89.1	120	ug/Kg
88-75-5	2-Nitrophenol	65.1	U	65.1	89.1	120	ug/Kg
105-67-9	2,4-Dimethylphenol	68.2	U	68.2	89.1	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	76.7	U	76.7	89.1	120	ug/Kg
120-83-2	2,4-Dichlorophenol	53.5	U	53.5	89.1	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	53.1	U	53.1	89.1	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	180	230	ug/Kg
91-20-3	Naphthalene	55.8	U	55.8	89.1	120	ug/Kg
106-47-8	4-Chloroaniline	71.9	U	71.9	89.1	120	ug/Kg
87-68-3	Hexachlorobutadiene	57.5	U	57.5	89.1	120	ug/Kg
105-60-2	Caprolactam	80.1	U	80.1	180	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	56.5	U	56.5	89.1	120	ug/Kg
91-57-6	2-Methylnaphthalene	65	U	65	89.1	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/2/2024 12:00:00 AM
Project:		Date Received:	3/2/2024 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	BF030524
Lab Sample ID:	P1672-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.5
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
BF137507.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	180	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	52.8	U	52.8	89.1	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	60.2	U	60.2	89.1	120	ug/Kg
92-52-4	1,1-Biphenyl	62.5	U	62.5	89.1	120	ug/Kg
91-58-7	2-Chloronaphthalene	58	U	58	89.1	120	ug/Kg
88-74-4	2-Nitroaniline	68	U	68	89.1	120	ug/Kg
131-11-3	Dimethylphthalate	60.9	U	60.9	89.1	120	ug/Kg
208-96-8	Acenaphthylene	60.6	U	60.6	89.1	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	61.7	U	61.7	89.1	120	ug/Kg
99-09-2	3-Nitroaniline	64	U	64	89.1	120	ug/Kg
83-32-9	Acenaphthene	55	U	55	89.1	120	ug/Kg
Total PAH	Total PAH	984.7	U	984.7	89.1	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	230	ug/Kg
100-02-7	4-Nitrophenol	78.1	U	78.1	180	230	ug/Kg
132-64-9	Dibenzofuran	52.7	U	52.7	89.1	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	130.1	U	130.1	89.1	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	68.4	U	68.4	89.1	120	ug/Kg
84-66-2	Diethylphthalate	58.8	U	58.8	89.1	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	61.9	U	61.9	89.1	120	ug/Kg
86-73-7	Fluorene	58.1	U	58.1	89.1	120	ug/Kg
100-01-6	4-Nitroaniline	71.2	U	71.2	89.1	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	60.1	U	60.1	180	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	63.9	U	63.9	89.1	120	ug/Kg
103-33-3	Azobenzene	50.3	U	50.3	89.1	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	66.7	U	66.7	89.1	120	ug/Kg
118-74-1	Hexachlorobenzene	67.7	U	67.7	89.1	120	ug/Kg
1912-24-9	Atrazine	65.4	U	65.4	89.1	120	ug/Kg
87-86-5	Pentachlorophenol	76	U	76	180	230	ug/Kg
85-01-8	Phenanthrene	63.5	U	63.5	89.1	120	ug/Kg
120-12-7	Anthracene	69.9	U	69.9	89.1	120	ug/Kg
86-74-8	Carbazole	58.2	U	58.2	89.1	120	ug/Kg
84-74-2	Di-n-butylphthalate	71.2	U	71.2	89.1	120	ug/Kg
206-44-0	Fluoranthene	64.7	U	64.7	89.1	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/2/2024 12:00:00 AM
Project:		Date Received:	3/2/2024 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	BF030524
Lab Sample ID:	P1672-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.5
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137507.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	180	230	ug/Kg
129-00-0	Pyrene	57.3	U	57.3	89.1	120	ug/Kg
85-68-7	Butylbenzylphthalate	70.6	U	70.6	89.1	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	230	ug/Kg
56-55-3	Benzo(a)anthracene	57.5	U	57.5	89.1	120	ug/Kg
218-01-9	Chrysene	59.5	U	59.5	89.1	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	78.8	U	78.8	89.1	120	ug/Kg
117-84-0	Di-n-octyl phthalate	84.3	U	84.3	180	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	55	U	55	89.1	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	60.4	U	60.4	89.1	120	ug/Kg
50-32-8	Benzo(a)pyrene	64.6	U	64.6	89.1	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	73.3	U	73.3	89.1	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	66.1	U	66.1	89.1	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	63.4	U	63.4	89.1	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	61.2	U	61.2	89.1	120	ug/Kg
123-91-1	1,4-Dioxane	80.1	U	80.1	89.1	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	56.8	U	56.8	89.1	120	ug/Kg
90-12-0	1-Methylnaphthalene	61.8	U	61.8	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	87.734		18-112		58	SPK: -150
13127-88-3	Phenol-d6	80.888		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	55.072		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	53.434		20-109		53	SPK: -100
118-79-6	2,4,6-Tribromophenol	66.476		10-110		44	SPK: -150
1718-51-0	Terphenyl-d14	45.17		14-112		45	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	144458	6.845				
1146-65-2	Naphthalene-d8	550227	8.122				
15067-26-2	Acenaphthene-d10	301106	9.875				
1517-22-2	Phenanthrene-d10	503253	11.375				
1719-03-5	Chrysene-d12	295616	14.033				
1520-96-3	Perylene-d12	343492	15.557				



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

Report of Analysis

Client:		Date Collected:	3/2/2024 12:00:00 AM
Project:		Date Received:	3/2/2024 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	BF030524
Lab Sample ID:	P1672-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.5
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137507.D	1	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-55-6	Propylene Glycol	120	J			3.416	
	unknown9.986	1100	J			9.986	
000640-61-9	Benzenesulfonamide, N,4-dimethyl-	68.7	J			10.792	
1000309-38-2	Oxalic acid, isobutyl heptadecyl e	78.1	J			13.892	

Report of Analysis

Client:		Date Collected:	3/2/2024 12:00:00 AM
Project:		Date Received:	3/2/2024 12:00:00 AM
Client Sample ID:	TP-5	SDG No.:	BF030524
Lab Sample ID:	P1672-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.6
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
BF137508.D	5	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	260	U	260	900	1100	ug/Kg
110-86-1	Pyridine	240	U	240	440	570	ug/Kg
100-52-7	Benzaldehyde	500	U	500	900	1100	ug/Kg
62-53-3	Aniline	390	U	390	440	570	ug/Kg
108-95-2	Phenol	250	U	250	440	570	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	300	U	300	440	570	ug/Kg
95-57-8	2-Chlorophenol	240	U	240	440	570	ug/Kg
95-50-1	1,2-Dichlorobenzene	270	U	270	440	570	ug/Kg
541-73-1	1,3-Dichlorobenzene	300	U	300	440	570	ug/Kg
106-46-7	1,4-Dichlorobenzene	280	U	280	440	570	ug/Kg
100-51-6	Benzyl Alcohol	330	U	330	900	1100	ug/Kg
95-48-7	2-Methylphenol	380	U	380	440	570	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	350	U	350	440	570	ug/Kg
98-86-2	Acetophenone	290	U	290	440	570	ug/Kg
65794-96-9	3+4-Methylphenols	360	U	360	900	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	200	U	200	270	270	ug/Kg
67-72-1	Hexachloroethane	250	U	250	440	570	ug/Kg
98-95-3	Nitrobenzene	250	U	250	440	570	ug/Kg
78-59-1	Isophorone	230	U	230	440	570	ug/Kg
88-75-5	2-Nitrophenol	320	U	320	440	570	ug/Kg
105-67-9	2,4-Dimethylphenol	330	U	330	440	570	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	380	U	380	440	570	ug/Kg
120-83-2	2,4-Dichlorophenol	260	U	260	440	570	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	260	U	260	440	570	ug/Kg
65-85-0	Benzoic acid	720	U	720	900	1100	ug/Kg
91-20-3	Naphthalene	270	U	270	440	570	ug/Kg
106-47-8	4-Chloroaniline	350	U	350	440	570	ug/Kg
87-68-3	Hexachlorobutadiene	280	U	280	440	570	ug/Kg
105-60-2	Caprolactam	390	U	390	900	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	280	U	280	440	570	ug/Kg
91-57-6	2-Methylnaphthalene	370	J	320	440	570	ug/Kg

Report of Analysis

Client:		Date Collected:	3/2/2024 12:00:00 AM
Project:		Date Received:	3/2/2024 12:00:00 AM
Client Sample ID:	TP-5	SDG No.:	BF030524
Lab Sample ID:	P1672-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.6
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
BF137508.D	5	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	700	U	700	900	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	260	U	260	440	570	ug/Kg
95-95-4	2,4,5-Trichlorophenol	290	U	290	440	570	ug/Kg
92-52-4	1,1-Biphenyl	310	U	310	440	570	ug/Kg
91-58-7	2-Chloronaphthalene	280	U	280	440	570	ug/Kg
88-74-4	2-Nitroaniline	330	U	330	440	570	ug/Kg
131-11-3	Dimethylphthalate	300	U	300	440	570	ug/Kg
208-96-8	Acenaphthylene	300	U	300	440	570	ug/Kg
606-20-2	2,6-Dinitrotoluene	300	U	300	440	570	ug/Kg
99-09-2	3-Nitroaniline	310	U	310	440	570	ug/Kg
83-32-9	Acenaphthene	640		270	440	570	ug/Kg
Total PAH	Total PAH	33170		4820	440	9120	ug/Kg
51-28-5	2,4-Dinitrophenol	600	U	600	900	1100	ug/Kg
100-02-7	4-Nitrophenol	380	U	380	900	1100	ug/Kg
132-64-9	Dibenzofuran	360	J	260	440	570	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	630	U	630	440	1140	ug/Kg
121-14-2	2,4-Dinitrotoluene	330	U	330	440	570	ug/Kg
84-66-2	Diethylphthalate	290	U	290	440	570	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	300	U	300	440	570	ug/Kg
86-73-7	Fluorene	1000		280	440	570	ug/Kg
100-01-6	4-Nitroaniline	350	U	350	440	570	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	290	U	290	900	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	310	U	310	440	570	ug/Kg
103-33-3	Azobenzene	250	U	250	440	570	ug/Kg
101-55-3	4-Bromophenyl-phenylether	330	U	330	440	570	ug/Kg
118-74-1	Hexachlorobenzene	330	U	330	440	570	ug/Kg
1912-24-9	Atrazine	320	U	320	440	570	ug/Kg
87-86-5	Pentachlorophenol	370	U	370	900	1100	ug/Kg
85-01-8	Phenanthrene	5500		310	440	570	ug/Kg
120-12-7	Anthracene	1700		340	440	570	ug/Kg
86-74-8	Carbazole	380	J	280	440	570	ug/Kg
84-74-2	Di-n-butylphthalate	350	U	350	440	570	ug/Kg
206-44-0	Fluoranthene	5800		320	440	570	ug/Kg

Report of Analysis

Client:		Date Collected:	3/2/2024 12:00:00 AM
Project:		Date Received:	3/2/2024 12:00:00 AM
Client Sample ID:	TP-5	SDG No.:	BF030524
Lab Sample ID:	P1672-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.6
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
BF137508.D	5	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	650	U	650	900	1100	ug/Kg
129-00-0	Pyrene	4400		280	440	570	ug/Kg
85-68-7	Butylbenzylphthalate	350	U	350	440	570	ug/Kg
91-94-1	3,3-Dichlorobenzidine	540	U	540	900	1100	ug/Kg
56-55-3	Benzo(a)anthracene	2900		280	440	570	ug/Kg
218-01-9	Chrysene	2500		290	440	570	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	390	U	390	440	570	ug/Kg
117-84-0	Di-n-octyl phthalate	410	U	410	900	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	3400		270	440	570	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000		300	440	570	ug/Kg
50-32-8	Benzo(a)pyrene	2500		320	440	570	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	830		360	440	570	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	320	U	320	440	570	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1000		310	440	570	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	300	U	300	440	570	ug/Kg
123-91-1	1,4-Dioxane	390	U	390	440	570	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	280	U	280	440	570	ug/Kg
90-12-0	1-Methylnaphthalene	370	J	300	570	570	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	62.625		18-112		42	SPK: -150
13127-88-3	Phenol-d6	60.445		15-107		40	SPK: -150
4165-60-0	Nitrobenzene-d5	34.995		18-107		35	SPK: -100
321-60-8	2-Fluorobiphenyl	52.54		20-109		53	SPK: -100
118-79-6	2,4,6-Tribromophenol	42.05		10-110		28	SPK: -150
1718-51-0	Terphenyl-d14	34.78		14-112		35	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	146128	6.845				
1146-65-2	Naphthalene-d8	576519	8.122				
15067-26-2	Acenaphthene-d10	299912	9.88				
1517-22-2	Phenanthrene-d10	439475	11.374				
1719-03-5	Chrysene-d12	338970	14.039				
1520-96-3	Perylene-d12	281159	15.562				

Report of Analysis

Client:		Date Collected:	3/2/2024 12:00:00 AM
Project:		Date Received:	3/2/2024 12:00:00 AM
Client Sample ID:	TP-5	SDG No.:	BF030524
Lab Sample ID:	P1672-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.6
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
BF137508.D	5	3/5/2024 12:00:00 AM	3/5/2024 12:00:00 AM	PB159437

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000581-40-8	Naphthalene, 2,3-dimethyl-	400	J			9.539	
	unknown9.986	1700	J			9.986	
001730-37-6	9H-Fluorene, 1-methyl-	400	J			10.98	
000132-65-0	Dibenzothiophene	590	J			11.274	
002531-84-2	Phenanthrene, 2-methyl-	1100	J			11.88	
000613-12-7	Anthracene, 2-methyl-	1200	J			11.91	
000832-64-4	Phenanthrene, 4-methyl-	390	J			11.957	
000203-64-5	4H-Cyclopenta[def]phenanthrene	1900	J			11.992	
000779-02-2	Anthracene, 9-methyl-	720	J			12.015	
000612-94-2	Naphthalene, 2-phenyl-	560	J			12.18	
003674-66-6	Phenanthrene, 2,5-dimethyl-	850	J			12.433	
001576-69-8	Phenanthrene, 2,7-dimethyl-	500	J			12.468	
035099-60-6	1H-Indene, 2-methyl-3-phenyl-	530	J			12.521	
000243-17-4	11H-Benzo[b]fluorene	350	J			13.051	
000238-84-6	11H-Benzo[a]fluorene	610	J			13.157	
003442-78-2	Pyrene, 2-methyl-	430	J			13.227	
002381-21-7	Pyrene, 1-methyl-	400	J			13.262	
001705-84-6	Triphenylene, 2-methyl-	580	J			14.427	
000192-97-2	Benzo[e]pyrene	880	J			15.221	
000205-82-3	Benzo[j]fluoranthene	2500	J			15.433	

Hit Summary Sheet

SW-846

SDG No.: BF030524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-1								
P1672-01	TP-1	Solid	Benzenesulfonamide, N,4-dimethyl	*	68.700	J		
P1672-01	TP-1	Solid	Oxalic acid, isobutyl heptadecyl e	*	78.100	J		
P1672-01	TP-1	Solid	Propylene Glycol	*	120.000	J		
P1672-01	TP-1	Solid	unknown9.986	*	1,100.000	J		
Total Tics :					1,366.80			
Total Concentration:					1,366.80			
Client ID : TP-3								
P1672-05	TP-3	Solid	1-Pentadecanol acetate	*	57.300	J		
P1672-05	TP-3	Solid	9-Octadecenamide, (Z)-	*	68.200	J		
P1672-05	TP-3	Solid	Dodecanamide	*	77.600	J		
P1672-05	TP-3	Solid	Dodecane, 2-methyl-	*	86.000	J		
P1672-05	TP-3	Solid	Farnesol isomer a	*	150.000	J		
P1672-05	TP-3	Solid	Heneicosane	*	190.000	J		
P1672-05	TP-3	Solid	Heptacosane	*	82.700	J		
P1672-05	TP-3	Solid	Heptadecane	*	79.500	J		
P1672-05	TP-3	Solid	Hexatriacontane	*	52.700	J		
P1672-05	TP-3	Solid	Methyl stearate	*	65.000	J		
P1672-05	TP-3	Solid	n-Hexadecanoic acid	*	1,300.000	J		
P1672-05	TP-3	Solid	Nonadecane	*	61.400	J		
P1672-05	TP-3	Solid	Octacosane	*	110.000	J		
P1672-05	TP-3	Solid	Octacosane, 2-methyl-	*	210.000	J		
P1672-05	TP-3	Solid	Octadecanoic acid	*	2,000.000	J		
P1672-05	TP-3	Solid	Oleic Acid	*	120.000	J		
P1672-05	TP-3	Solid	Pentacosane	*	160.000	J		
P1672-05	TP-3	Solid	Tetratetracontane	*	310.000	J		
P1672-05	TP-3	Solid	Triacontane	*	220.000	J		
P1672-05	TP-3	Solid	unknown9.992	*	610.000	J		
Total Tics :					6,010.40			
Total Concentration:					6,010.40			
Client ID : TP-5								
P1672-09	TP-5	Solid	11H-Benzo[a]fluorene	*	610.000	J		
P1672-09	TP-5	Solid	11H-Benzo[b]fluorene	*	350.000	J		
P1672-09	TP-5	Solid	1H-Indene, 2-methyl-3-phenyl-	*	530.000	J		
P1672-09	TP-5	Solid	4H-Cyclopenta[def]phenanthrene	*	1,900.000	J		
P1672-09	TP-5	Solid	9H-Fluorene, 1-methyl-	*	400.000	J		
P1672-09	TP-5	Solid	Anthracene, 2-methyl-	*	1,200.000	J		
P1672-09	TP-5	Solid	Anthracene, 9-methyl-	*	720.000	J		
P1672-09	TP-5	Solid	Benzo[e]pyrene	*	880.000	J		

Hit Summary Sheet SW-846

SDG No.: BF030524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1672-09	TP-5	Solid	Benzo[j]fluoranthene	*	2,500.000	J		
P1672-09	TP-5	Solid	Dibenzothiophene	*	590.000	J		
P1672-09	TP-5	Solid	Naphthalene, 2,3-dimethyl-	*	400.000	J		
P1672-09	TP-5	Solid	Naphthalene, 2-phenyl-	*	560.000	J		
P1672-09	TP-5	Solid	Phenanthrene, 2,5-dimethyl-	*	850.000	J		
P1672-09	TP-5	Solid	Phenanthrene, 2,7-dimethyl-	*	500.000	J		
P1672-09	TP-5	Solid	Phenanthrene, 2-methyl-	*	1,100.000	J		
P1672-09	TP-5	Solid	Phenanthrene, 4-methyl-	*	390.000	J		
P1672-09	TP-5	Solid	Pyrene, 1-methyl-	*	400.000	J		
P1672-09	TP-5	Solid	Pyrene, 2-methyl-	*	430.000	J		
P1672-09	TP-5	Solid	Triphenylene, 2-methyl-	*	580.000	J		
P1672-09	TP-5	Solid	unknown9.986	*	1,700.000	J		
Total Tics :					16,590.00			
P1672-09	TP-5	Solid	1-Methylnaphthalene		370.000	J	300	570 ug/Kg
P1672-09	TP-5	Solid	2-Methylnaphthalene		370.000	J	320	570 ug/Kg
P1672-09	TP-5	Solid	Acenaphthene		640.000		270	570 ug/Kg
P1672-09	TP-5	Solid	Anthracene		1,700.000		340	570 ug/Kg
P1672-09	TP-5	Solid	Benzo(a)anthracene		2,900.000		280	570 ug/Kg
P1672-09	TP-5	Solid	Benzo(a)pyrene		2,500.000		320	570 ug/Kg
P1672-09	TP-5	Solid	Benzo(b)fluoranthene		3,400.000		270	570 ug/Kg
P1672-09	TP-5	Solid	Benzo(g,h,i)perylene		1,000.000		310	570 ug/Kg
P1672-09	TP-5	Solid	Benzo(k)fluoranthene		1,000.000		300	570 ug/Kg
P1672-09	TP-5	Solid	Carbazole		380.000	J	280	570 ug/Kg
P1672-09	TP-5	Solid	Chrysene		2,500.000		290	570 ug/Kg
P1672-09	TP-5	Solid	Dibenzofuran		360.000	J	260	570 ug/Kg
P1672-09	TP-5	Solid	Fluoranthene		5,800.000		320	570 ug/Kg
P1672-09	TP-5	Solid	Fluorene		1,000.000		280	570 ug/Kg
P1672-09	TP-5	Solid	Indeno(1,2,3-cd)pyrene		830.000		360	570 ug/Kg
P1672-09	TP-5	Solid	Phenanthrene		5,500.000		310	570 ug/Kg
P1672-09	TP-5	Solid	Pyrene		4,400.000		280	570 ug/Kg
P1672-09	TP-5	Solid	Total PAH		33,170.000		4820	9120 ug/Kg
Total Svoc :					67,820.00			
Total Concentration:					84,410.00			
Client ID : TP-13								
P1672-13	TP-13	Solid	1-Phenoxypropan-2-ol	*	49.100	J		
P1672-13	TP-13	Solid	9-Octadecenamide, (Z)-	*	260.000	J		
P1672-13	TP-13	Solid	Benzene, 1,1-(1,3-butadiyne-1,4-d	*	51.200	J		
P1672-13	TP-13	Solid	Benzenesulfonamide, N,4-dimethyl-	*	120.000	J		
P1672-13	TP-13	Solid	Oxalic acid, cyclobutyl pentadecyl-	*	99.600	J		
P1672-13	TP-13	Solid	Propylene Glycol	*	110.000	J		
P1672-13	TP-13	Solid	unknown9.986	*	460.000	J		
Total Tics :					1,149.90			

Hit Summary Sheet SW-846

SDG No.: BF030524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				1,149.90				
Client ID : 1A								
P1674-01	1A	Solid	Butane, 2-methoxy-2-methyl-	*	620.000	J		
P1674-01	1A	Solid	Carbonic acid, octadecyl prop-1-e	*	83.400	J		
P1674-01	1A	Solid	Hexadecane	*	46.200	J		
P1674-01	1A	Solid	Lupeol	*	110.000	J		
Total Tics :				859.60				
P1674-01	1A	Solid	Benzo(a)anthracene		77.100	J	55.7	110 ug/Kg
P1674-01	1A	Solid	Benzo(b)fluoranthene		78.100	J	53.3	110 ug/Kg
P1674-01	1A	Solid	Chrysene		71.300	J	57.6	110 ug/Kg
P1674-01	1A	Solid	Fluoranthene		110.000		62.6	110 ug/Kg
P1674-01	1A	Solid	Phenanthrene		63.500	J	61.5	110 ug/Kg
P1674-01	1A	Solid	Pyrene		95.500	J	55.5	110 ug/Kg
Total Svoc :				495.50				
Total Concentration:				1,355.10				
Client ID : 2B								
P1674-03	2B	Solid	11H-Benzo[a]fluoren-11-one	*	58.100	J		
P1674-03	2B	Solid	11H-Benzo[b]fluorene	*	47.800	J		
P1674-03	2B	Solid	Anthracene, 9-methyl-	*	57.900	J		
P1674-03	2B	Solid	Benzo[e]pyrene	*	100.000	J		
P1674-03	2B	Solid	Butane, 2-methoxy-2-methyl-	*	520.000	J		
P1674-03	2B	Solid	Fluoranthene, 2-methyl-	*	48.400	J		
P1674-03	2B	Solid	Indeno[1,2,3-cd]pyrene	*	63.500	J		
P1674-03	2B	Solid	Oxalic acid, isobutyl hexadecyl es	*	81.700	J		
P1674-03	2B	Solid	Phenanthrene, 3-methyl-	*	66.600	J		
Total Tics :				1,044.00				
P1674-03	2B	Solid	Benzo(a)anthracene		230.000		57.3	120 ug/Kg
P1674-03	2B	Solid	Benzo(a)pyrene		85.400	J	64.5	120 ug/Kg
P1674-03	2B	Solid	Benzo(b)fluoranthene		190.000		54.9	120 ug/Kg
P1674-03	2B	Solid	Benzo(k)fluoranthene		73.700	J	60.2	120 ug/Kg
P1674-03	2B	Solid	Chrysene		220.000		59.3	120 ug/Kg
P1674-03	2B	Solid	Fluoranthene		510.000		64.5	120 ug/Kg
P1674-03	2B	Solid	Phenanthrene		290.000		63.4	120 ug/Kg
P1674-03	2B	Solid	Pyrene		370.000		57.2	120 ug/Kg
Total Svoc :				1,969.10				
Total Concentration:				3,013.10				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF022924

SAS No.: BF022924

SDG No.: BF022924

Instrument ID: _____

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

Calibration Time(s): 12:44 : _____

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BF022924

SAS No.: BF022924

SDG No.: BF022924

Instrument ID:

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

Calibration Time(s): 12:44

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF022924 SAS No.: BF022924 SDG No.: BF022924
Instrument ID: _____ Calibration Date(s): 2/29/2024 : _____
Calibration Time(s): 12:44 _____

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BF030524 SAS No.: BF030524 SDG NO.: BF030524EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 5 2024 12:00AMLab File ID: BF137443.D Time Analyzed: 12:53Instrument 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	PB159421BL	250625	6.86	1.02897e	8.13	568979	9.89
02	PB159421BS	232497	6.86	942981	8.13	508300	9.89
03	PB159401TB	223132	6.86	904562	8.13	516633	9.89
04	PB159437BL	255527	6.86	1.01432e	8.13	562112	9.89
05	PB159437BS	241156	6.86	993842	8.14	546190	9.90
06	TP-3	165207	6.86	630889	8.13	337272	9.89
07	TP-3MS	163434	6.86	610981	8.13	330621	9.89
08	TP-3MSD	177257	6.86	691022	8.13	376519	9.89
09	TP-13	169947	6.85	659047	8.12	355358	9.88
10	1A	179317	6.85	692187	8.12	378764	9.88
11	2B	178306	6.85	698706	8.12	380893	9.88
12	TP-1	144458	6.85	550227	8.12	301106	9.88
13	TP-5	146128	6.85	576519	8.12	299912	9.88

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BF030524 SAS No.: BF030524 SDG NO.: BF030524EPA Sample No.: SSTDCCC040 Date Analyzed: Mar 5 2024 12:00AMLab File ID: BF137495.D Time Analyzed: 12:53Instrument 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	250164	6.863	986493	8.13	548221	9.89
	UPPER LIMIT	500328	7.363	1972986	8.633	1096442	10.392
	LOWER LIMIT	125082	6.363	493246.5	7.633	274110.5	9.392
	EPA SAMPLE NO.						
01	PB159421BL	250625	6.86	1.02897e	8.13	568979	9.89
02	PB159421BS	232497	6.86	942981	8.13	508300	9.89
03	PB159401TB	223132	6.86	904562	8.13	516633	9.89
04	PB159437BL	255527	6.86	1.01432e	8.13	562112	9.89
05	PB159437BS	241156	6.86	993842	8.14	546190	9.90
06	TP-3	165207	6.86	630889	8.13	337272	9.89
07	TP-3MS	163434	6.86	610981	8.13	330621	9.89
08	TP-3MSD	177257	6.86	691022	8.13	376519	9.89
09	TP-13	169947	6.85	659047	8.12	355358	9.88
10	1A	179317	6.85	692187	8.12	378764	9.88
11	2B	178306	6.85	698706	8.12	380893	9.88
12	TP-1	144458	6.85	550227	8.12	301106	9.88
13	TP-5	146128	6.85	576519	8.12	299912	9.88

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 LOWER 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.: BF030524 SAS No.: BF030524 SDG NO.: BF030524

EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 5 2024 12:00AM

Lab File ID: BF137443.D Time Analyzed: 12:53

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 PB159421BL	1.04219	11.38	724025	14.05	559440	15.57
02 PB159421BS	884420	11.39	473297	14.05	429218	15.57
03 PB159401TB	915837	11.39	621512	14.05	472101	15.58
04 PB159437BL	1.01955	11.39	709883	14.05	537124	15.58
05 PB159437BS	959824	11.39	505678	14.06	456854	15.58
06 TP-3	573517	11.38	343920	14.04	346407	15.57
07 TP-3MS	562603	11.38	306155	14.05	352773	15.57
08 TP-3MSD	636957	11.39	334315	14.05	371646	15.57
09 TP-13	597941	11.38	341383	14.04	345718	15.56
10 1A	637888	11.37	357083	14.03	382440	15.56
11 2B	637216	11.38	356658	14.03	382591	15.56
12 TP-1	503253	11.38	295616	14.03	343492	15.56
13 TP-5	439475	11.37	338970	14.04	281159	15.56

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.: BF030524 SAS No.: BF030524 SDG NO.: BF030524

EPA Sample No.: SSTDCCC040 Date Analyzed: Mar 5 2024 12:00AM

Lab File ID: BF137495.D Time Analyzed: 12:53

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	940653	11.386	512263	14.051	450413	15.574
UPPER LIMIT	1881306	11.886	1024526	14.551	900826	16.074
LOWER LIMIT	470326.5	10.886	256131.5	13.551	225206.5	15.074
EPA SAMPLE NO.						
01 PB159421BL	1.04219	11.38	724025	14.05	559440	15.57
02 PB159421BS	884420	11.39	473297	14.05	429218	15.57
03 PB159401TB	915837	11.39	621512	14.05	472101	15.58
04 PB159437BL	1.01955	11.39	709883	14.05	537124	15.58
05 PB159437BS	959824	11.39	505678	14.06	456854	15.58
06 TP-3	573517	11.38	343920	14.04	346407	15.57
07 TP-3MS	562603	11.38	306155	14.05	352773	15.57
08 TP-3MSD	636957	11.39	334315	14.05	371646	15.57
09 TP-13	597941	11.38	341383	14.04	345718	15.56
10 1A	637888	11.37	357083	14.03	382440	15.56
11 2B	637216	11.38	356658	14.03	382591	15.56
12 TP-1	503253	11.38	295616	14.03	343492	15.56
13 TP-5	439475 *	11.37	338970	14.04	281159	15.56

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



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

SDG No.: BF030524

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD	
								Qual	Low	High		
PB159421BS	n-Nitrosodimethylamine	50	44.5	ug/L	89					55	108	
	Pyridine	50	34.4	ug/L	69					29	97	
	Benzaldehyde	50	0	ug/L	0		*			15	121	
	Aniline	50	24.6	ug/L	49					10	130	
	Phenol	50	42.7	ug/L	85					66	118	
	bis(2-Chloroethyl)ether	50	45.4	ug/L	91					62	103	
	2-Chlorophenol	50	47.1	ug/L	94					70	117	
	1,2-Dichlorobenzene	50	45.6	ug/L	91					72	102	
	1,3-Dichlorobenzene	50	44.2	ug/L	88					71	103	
	1,4-Dichlorobenzene	50	44.9	ug/L	90					76	103	
	Benzyl Alcohol	50	50.4	ug/L	101		*			36	93	
	2-Methylphenol	50	42.7	ug/L	85					69	109	
	2,2-oxybis(1-Chloropropane)	50	43	ug/L	86					52	103	
	Acetophenone	50	44.9	ug/L	90					60	104	
	3+4-Methylphenols	50	41.2	ug/L	82					67	106	
	N-Nitroso-di-n-propylamine	50	41.6	ug/L	83					57	107	
	Hexachloroethane	50	46.5	ug/L	93					76	118	
	Nitrobenzene	50	43.1	ug/L	86					58	106	
	Isophorone	50	43.2	ug/L	86					61	102	
	2-Nitrophenol	50	47.6	ug/L	95					70	115	
	2,4-Dimethylphenol	50	39.5	ug/L	79					67	130	
	bis(2-Chloroethoxy)methane	50	43.3	ug/L	87					58	109	
	2,4-Dichlorophenol	50	45.3	ug/L	91					66	115	
	1,2,4-Trichlorobenzene	50	44.5	ug/L	89					41	115	
	Benzoic acid	50	44.8	ug/L	90					10	125	
	Naphthalene	50	41.8	ug/L	84					64	107	
	4-Chloroaniline	50	9.2	ug/L	18					10	85	
	Hexachlorobutadiene	50	43.6	ug/L	87					69	101	
	Caprolactam	50	45.6	ug/L	91					58	128	
	4-Chloro-3-methylphenol	50	44.2	ug/L	88					65	114	
	2-Methylnaphthalene	50	40	ug/L	80					64	107	
	Hexachlorocyclopentadiene	100	96.6	ug/L	97					36	160	
	2,4,6-Trichlorophenol	50	46.4	ug/L	93					61	110	
	2,4,5-Trichlorophenol	50	41.9	ug/L	84					70	106	
	1,1-Biphenyl	50	43.8	ug/L	88					72	98	
	2-Chloronaphthalene	50	44.6	ug/L	89					59	106	
	2-Nitroaniline	50	45.9	ug/L	92					58	107	
	Dimethylphthalate	50	43.2	ug/L	86					64	103	
	Acenaphthylene	50	44	ug/L	88					65	108	
	2,6-Dinitrotoluene	50	46.4	ug/L	93					64	110	
	3-Nitroaniline	50	24.5	ug/L	49					28	100	
	Acenaphthene	50	42.3	ug/L	85					59	113	
	Total PAH	800	704	ug/L	88					59	113	
	2,4-Dinitrophenol	100	92.6	ug/L	93					64	132	
	4-Nitrophenol	100	90.2	ug/L	90					68	116	
	Dibenzofuran	50	41.7	ug/L	83					65	106	



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

SDG No.: BF030524

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB159421BS	2,4-Dinitrotoluene	50	45.7	ug/L	91				60	115	
	2,4-Dinitrotoluene/2,6-Dinitro	100	92.1	ug/L	92				60	115	
	Diethylphthalate	50	42.2	ug/L	84				63	105	
	4-Chlorophenyl-phenylether	50	40.7	ug/L	81				61	104	
	Fluorene	50	41.1	ug/L	82				64	107	
	4-Nitroaniline	50	43.2	ug/L	86				69	112	
	4,6-Dinitro-2-methylphenol	50	46.6	ug/L	93				62	132	
	N-Nitrosodiphenylamine	50	42.4	ug/L	85				61	109	
	Azobenzene	50	42.6	ug/L	85				59	106	
	4-Bromophenyl-phenylether	50	42.7	ug/L	85				73	103	
	Hexachlorobenzene	50	46.3	ug/L	93				73	106	
	Atrazine	50	46.2	ug/L	92				76	120	
	Pentachlorophenol	100	87.8	ug/L	88				47	114	
	Phenanthrene	50	41.5	ug/L	83				62	109	
	Anthracene	50	41.4	ug/L	83				65	110	
	Carbazole	50	43.8	ug/L	88				62	106	
	Di-n-butylphthalate	50	43.7	ug/L	87				64	106	
	Fluoranthene	50	43.2	ug/L	86				64	110	
	Benzidine	100	20.9	ug/L	21				10	94	
	Pyrene	50	44.3	ug/L	89				71	103	
	Butylbenzylphthalate	50	53.5	ug/L	107		*		61	105	
	3,3-Dichlorobenzidine	50	30.3	ug/L	61				43	108	
	Benzo(a)anthracene	50	43.5	ug/L	87				62	107	
	Chrysene	50	42.9	ug/L	86				61	108	
	bis(2-Ethylhexyl)phthalate	50	52.3	ug/L	105				59	110	
	Di-n-octyl phthalate	50	44.8	ug/L	90				67	126	
	Benzo(b)fluoranthene	50	47.2	ug/L	94				77	113	
	Benzo(k)fluoranthene	50	42.8	ug/L	86				64	113	
	Benzo(a)pyrene	50	42.7	ug/L	85				72	131	
	Indeno(1,2,3-cd)pyrene	50	48.5	ug/L	97				72	105	
	Dibenz(a,h)anthracene	50	48.7	ug/L	97				78	115	
	Benzo(g,h,i)perylene	50	48.1	ug/L	96				75	118	
	1,2,4,5-Tetrachlorobenzene	50	45.5	ug/L	91				72	101	
	1,4-Dioxane	50	36.6	ug/L	73				38	125	
	2,3,4,6-Tetrachlorophenol	50	45	ug/L	90				63	116	
	1-Methylnaphthalene	50	41.2	ug/L	82				51	114	



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

SDG No.: BF030524

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159437BS	n-Nitrosodimethylamine	1700	1600	ug/Kg	94				57	103	
	Pyridine	1700	1200	ug/Kg	71				28	98	
	Benzaldehyde	1700	180	ug/Kg	11				10	147	
	Aniline	1700	830	ug/Kg	49				38	100	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1600	ug/Kg	94				60	101	
	2-Chlorophenol	1700	1700	ug/Kg	100				65	112	
	1,2-Dichlorobenzene	1700	1600	ug/Kg	94				51	102	
	1,3-Dichlorobenzene	1700	1600	ug/Kg	94				52	99	
	1,4-Dichlorobenzene	1700	1500	ug/Kg	88				52	100	
	Benzyl Alcohol	1700	1800	ug/Kg	106				42	116	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1500	ug/Kg	88				55	104	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95	
	Hexachloroethane	1700	1600	ug/Kg	94				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1300	ug/Kg	76				67	119	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				53	105	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	1,2,4-Trichlorobenzene	1700	1500	ug/Kg	88				44	110	
	Benzoic acid	1700	1600	ug/Kg	94				10	140	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	440	ug/Kg	26				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1600	ug/Kg	94				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	3100	ug/Kg	94				45	134	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104	
	3-Nitroaniline	1700	950	ug/Kg	56				28	100	
	Acenaphthene	1700	1400	ug/Kg	82				57	104	
	Total PAH	27200	24300	ug/Kg	89				57	104	
	2,4-Dinitrophenol	3300	3300	ug/Kg	100				37	128	
	4-Nitrophenol	3300	3100	ug/Kg	94				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	



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

SDG No.: BF030524

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159437BS	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	2,4-Dinitrotoluene/2,6-Dinitro	3400	3200	ug/Kg	94				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1600	ug/Kg	94				64	103	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				56	107	
	Azobenzene	1700	1400	ug/Kg	82				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				55	99	
	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	1400	ug/Kg	82				67	113	
	Pentachlorophenol	3300	3000	ug/Kg	91				67	105	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1400	ug/Kg	82				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1400	ug/Kg	82				57	107	
	Benzidine	3300	680	ug/Kg	21				10	98	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1900	ug/Kg	112		*		55	103	
	3,3-Dichlorobenzidine	1700	1300	ug/Kg	76				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1800	ug/Kg	106				63	111	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70	108	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				63	101	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159421BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF030524

SAS No.: BF030524 SDG NO.: BF030524

Lab File ID: BF137496.D

Lab Sample ID: PB159421BL

Instrument ID: BNA_F

Date Extracted: 03/04/2024

Matrix: (soil/water) water

Date Analyzed: 03/05/2024

Level: (low/med) LOW

Time Analyzed: 12:53

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159421BS	PB159421BS	BF137497.D	03/05/2024
PB159401TB	PB159401TB	BF137498.D	03/05/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159437BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF030524SAS No.: BF030524 SDG NO.: BF030524Lab File ID: BF137499.DLab Sample ID: PB159437BLInstrument ID: BNA_FDate Extracted: 03/05/2024Matrix: (soil/water) SolidDate Analyzed: 03/05/2024Level: (low/med) LOWTime Analyzed: 14:25

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159437BS	PB159437BS	BF137500.D	03/05/2024
TP-3	P1672-05	BF137501.D	03/05/2024
TP-3MS	P1672-05MS	BF137502.D	03/05/2024
TP-3MSD	P1672-05MSD	BF137503.D	03/05/2024
TP-13	P1672-13	BF137504.D	03/05/2024
1A	P1674-01	BF137505.D	03/05/2024
2B	P1674-03	BF137506.D	03/05/2024
TP-1	P1672-01	BF137507.D	03/05/2024
TP-5	P1672-09	BF137508.D	03/05/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF030524

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P1672-05MS	Client Sample ID:	TP-3MS					DataFile:	BF137502.D		
n-Nitrosodimethylamine	1200		1100	ug/Kg	92				66	124	
Pyridine	1200		970	ug/Kg	81				45	119	
Benzaldehyde	1200		910	ug/Kg	76				26	163	
Aniline	1200		680	ug/Kg	57				10	88	
Phenol	1200		1100	ug/Kg	92				67	126	
bis(2-Chloroethyl)ether	1200		1100	ug/Kg	92				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		1100	ug/Kg	92				62	101	
1,4-Dichlorobenzene	1200		1100	ug/Kg	92				63	104	
Benzyl Alcohol	1200		1200	ug/Kg	100				47	126	
2-Methylphenol	1200		970	ug/Kg	81				66	122	
2,2-oxybis(1-Chloropropane)	1200		1000	ug/Kg	83				52	115	
Acetophenone	1200		1100	ug/Kg	92				75	111	
3+4-Methylphenols	1200		1000	ug/Kg	83				53	132	
N-Nitroso-di-n-propylamine	1200		970	ug/Kg	81				59	119	
Hexachloroethane	1200		1100	ug/Kg	92				65	117	
Nitrobenzene	1200		1100	ug/Kg	92				70	119	
Isophorone	1200		1100	ug/Kg	92				76	122	
2-Nitrophenol	1200		1200	ug/Kg	100				54	145	
2,4-Dimethylphenol	1200		900	ug/Kg	75	*			83	144	
bis(2-Chloroethoxy)methane	1200		1100	ug/Kg	92				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		460	ug/Kg	38	*			50	104	
Naphthalene	1200		1100	ug/Kg	92				72	110	
4-Chloroaniline	1200		360	ug/Kg	30				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		1100	ug/Kg	92				59	123	
Hexachlorocyclopentadiene	2400		2000	ug/Kg	83				10	175	
2,4,6-Trichlorophenol	1200		1100	ug/Kg	92				72	117	
2,4,5-Trichlorophenol	1200		990	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		1100	ug/Kg	92				70	113	
Acenaphthylene	1200		1200	ug/Kg	100				79	118	
2,6-Dinitrotoluene	1200		1100	ug/Kg	92				70	125	
3-Nitroaniline	1200		710	ug/Kg	59				20	111	
Acenaphthene	1200		1100	ug/Kg	92				70	121	
Total PAH	19200		17390	ug/Kg	91				70	121	
2,4-Dinitrophenol	2400		1200	ug/Kg	50				16	160	
4-Nitrophenol	2400		2000	ug/Kg	83				45	133	
Dibenzofuran	1200		1100	ug/Kg	92				72	110	
2,4-Dinitrotoluene	1200		1200	ug/Kg	100				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF030524

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		2300	ug/Kg	96				55	128	
Diethylphthalate	1200		1100	ug/Kg	92				70	112	
4-Chlorophenyl-phenylether	1200		1000	ug/Kg	83				71	108	
Fluorene	1200		1000	ug/Kg	83				68	116	
4-Nitroaniline	1200		1100	ug/Kg	92				55	120	
4,6-Dinitro-2-methylphenol	1200		830	ug/Kg	69				32	145	
N-Nitrosodiphenylamine	1200		1100	ug/Kg	92				73	118	
Azobenzene	1200		1100	ug/Kg	92				73	110	
4-Bromophenyl-phenylether	1200		1100	ug/Kg	92				65	121	
Hexachlorobenzene	1200		1100	ug/Kg	92				67	118	
Atrazine	1200		1200	ug/Kg	100				79	127	
Pentachlorophenol	2400		1600	ug/Kg	67				47	128	
Phenanthrene	1200		1100	ug/Kg	92				72	113	
Anthracene	1200		1100	ug/Kg	92				62	124	
Carbazole	1200		1100	ug/Kg	92				59	119	
Di-n-butylphthalate	1200		1100	ug/Kg	92				69	118	
Fluoranthene	1200		1100	ug/Kg	92				59	125	
Benzidine	2400		1500	ug/Kg	63				10	119	
Pyrene	1200		1100	ug/Kg	92				52	128	
Butylbenzylphthalate	1200		1400	ug/Kg	117				64	126	
3,3-Dichlorobenzidine	1200		730	ug/Kg	61				10	164	
Benzo(a)anthracene	1200		1100	ug/Kg	92				71	114	
Chrysene	1200		1100	ug/Kg	92				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		1100	ug/Kg	92				67	121	
Benzo(k)fluoranthene	1200		1000	ug/Kg	83				74	114	
Benzo(a)pyrene	1200		1100	ug/Kg	92				70	142	
Indeno(1,2,3-cd)pyrene	1200		1100	ug/Kg	92				61	125	
Dibenz(a,h)anthracene	1200		1100	ug/Kg	92				67	130	
Benzo(g,h,i)perylene	1200		990	ug/Kg	83				53	140	
1,2,4,5-Tetrachlorobenzene	1200		1100	ug/Kg	92				69	124	
1,4-Dioxane	1200		1000	ug/Kg	83				46	112	
2,3,4,6-Tetrachlorophenol	1200		1000	ug/Kg	83				56	133	
1-Methylnaphthalene	1200		1000	ug/Kg	83				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF030524

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P1672-05MSD	Client Sample ID:	TP-3MSD					DataFile:	BF137503.D		
n-Nitrosodimethylamine	1200		1100	ug/Kg	92		0		66	124	20
Pyridine	1200		910	ug/Kg	76		6		45	119	20
Benzaldehyde	1200		880	ug/Kg	73		4		26	163	20
Aniline	1200		670	ug/Kg	56		2		10	88	20
Phenol	1200		1100	ug/Kg	92		0		67	126	20
bis(2-Chloroethyl)ether	1200		1000	ug/Kg	83		10		74	116	20
2-Chlorophenol	1200		1100	ug/Kg	92		0		61	138	20
1,2-Dichlorobenzene	1200		1100	ug/Kg	92		0		61	105	20
1,3-Dichlorobenzene	1200		1100	ug/Kg	92		0		62	101	20
1,4-Dichlorobenzene	1200		1100	ug/Kg	92		0		63	104	20
Benzyl Alcohol	1200		1200	ug/Kg	100		0		47	126	20
2-Methylphenol	1200		930	ug/Kg	78		4		66	122	20
2,2-oxybis(1-Chloropropane)	1200		1000	ug/Kg	83		0		52	115	20
Acetophenone	1200		1100	ug/Kg	92		0		75	111	20
3+4-Methylphenols	1200		980	ug/Kg	82		1		53	132	20
N-Nitroso-di-n-propylamine	1200		950	ug/Kg	79		3		59	119	20
Hexachloroethane	1200		1100	ug/Kg	92		0		65	117	20
Nitrobenzene	1200		1000	ug/Kg	83		10		70	119	20
Isophorone	1200		1000	ug/Kg	83		10		76	122	20
2-Nitrophenol	1200		1100	ug/Kg	92		8		54	145	20
2,4-Dimethylphenol	1200		860	ug/Kg	72	*	4		83	144	20
bis(2-Chloroethoxy)methane	1200		1000	ug/Kg	83		10		68	112	20
2,4-Dichlorophenol	1200		1100	ug/Kg	92		0		72	118	20
1,2,4-Trichlorobenzene	1200		1100	ug/Kg	92		0		57	103	20
Benzoic acid	1200		450	ug/Kg	38	*	0		50	104	20
Naphthalene	1200		1000	ug/Kg	83		10		72	110	20
4-Chloroaniline	1200		340	ug/Kg	28		7		10	100	20
Hexachlorobutadiene	1200		1000	ug/Kg	83		10		66	114	20
Caprolactam	1200		1000	ug/Kg	83		10		51	134	20
4-Chloro-3-methylphenol	1200		1000	ug/Kg	83		10		57	132	20
2-Methylnaphthalene	1200		1000	ug/Kg	83		10		59	123	20
Hexachlorocyclopentadiene	2400		1900	ug/Kg	79		5		10	175	20
2,4,6-Trichlorophenol	1200		1100	ug/Kg	92		0		72	117	20
2,4,5-Trichlorophenol	1200		1000	ug/Kg	83		0		72	117	20
1,1-Biphenyl	1200		1100	ug/Kg	92		0		75	113	20
2-Chloronaphthalene	1200		1100	ug/Kg	92		0		67	118	20
2-Nitroaniline	1200		1100	ug/Kg	92		0		69	127	20
Dimethylphthalate	1200		1000	ug/Kg	83		10		70	113	20
Acenaphthylene	1200		1100	ug/Kg	92		8		79	118	20
2,6-Dinitrotoluene	1200		1100	ug/Kg	92		0		70	125	20
3-Nitroaniline	1200		690	ug/Kg	58		2		20	111	20
Acenaphthene	1200		1000	ug/Kg	83		10		70	121	20
Total PAH	19200		16550	ug/Kg	86		6		70	121	20
2,4-Dinitrophenol	2400		1200	ug/Kg	50		0		16	160	20
4-Nitrophenol	2400		1900	ug/Kg	79		5		45	133	20
Dibenzofuran	1200		1000	ug/Kg	83		10		72	110	20
2,4-Dinitrotoluene	1200		1100	ug/Kg	92		8		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF030524

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		2200	ug/Kg	92		4		55	128	20
Diethylphthalate	1200		1000	ug/Kg	83		10		70	112	20
4-Chlorophenyl-phenylether	1200		980	ug/Kg	82		1		71	108	20
Fluorene	1200		1000	ug/Kg	83		0		68	116	20
4-Nitroaniline	1200		1000	ug/Kg	83		10		55	120	20
4,6-Dinitro-2-methylphenol	1200		850	ug/Kg	71		3		32	145	20
N-Nitrosodiphenylamine	1200		1100	ug/Kg	92		0		73	118	20
Azobenzene	1200		1000	ug/Kg	83		10		73	110	20
4-Bromophenyl-phenylether	1200		1100	ug/Kg	92		0		65	121	20
Hexachlorobenzene	1200		1100	ug/Kg	92		0		67	118	20
Atrazine	1200		1100	ug/Kg	92		8		79	127	20
Pentachlorophenol	2400		1600	ug/Kg	67		0		47	128	20
Phenanthrene	1200		1000	ug/Kg	83		10		72	113	20
Anthracene	1200		1000	ug/Kg	83		10		62	124	20
Carbazole	1200		1100	ug/Kg	92		0		59	119	20
Di-n-butylphthalate	1200		1100	ug/Kg	92		0		69	118	20
Fluoranthene	1200		1000	ug/Kg	83		10		59	125	20
Benzidine	2400		1500	ug/Kg	63		0		10	119	20
Pyrene	1200		1100	ug/Kg	92		0		52	128	20
Butylbenzylphthalate	1200		1400	ug/Kg	117		0		64	126	20
3,3-Dichlorobenzidine	1200		760	ug/Kg	63		3		10	164	20
Benzo(a)anthracene	1200		1100	ug/Kg	92		0		71	114	20
Chrysene	1200		1100	ug/Kg	92		0		57	121	20
bis(2-Ethylhexyl)phthalate	1200		1500	ug/Kg	125		0		66	127	20
Di-n-octyl phthalate	1200		1400	ug/Kg	117		0		71	126	20
Benzo(b)fluoranthene	1200		1100	ug/Kg	92		0		67	121	20
Benzo(k)fluoranthene	1200		1000	ug/Kg	83		0		74	114	20
Benzo(a)pyrene	1200		1100	ug/Kg	92		0		70	142	20
Indeno(1,2,3-cd)pyrene	1200		1000	ug/Kg	83		10		61	125	20
Dibenz(a,h)anthracene	1200		1000	ug/Kg	83		10		67	130	20
Benzo(g,h,i)perylene	1200		950	ug/Kg	79		5		53	140	20
1,2,4,5-Tetrachlorobenzene	1200		1100	ug/Kg	92		0		69	124	20
1,4-Dioxane	1200		970	ug/Kg	81		2		46	112	20
2,3,4,6-Tetrachlorophenol	1200		990	ug/Kg	83		0		56	133	20
1-Methylnaphthalene	1200		980	ug/Kg	82		1		70	130	20



Surrogate Summary
SW-846

SDG No.: BF030524

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB159401TB	PB159401TB	BF137498.D	2-Fluorophenol	150	49.91	33		10	139
			Phenol-d6	150	83.19	55		10	134
			Nitrobenzene-d5	100	60.05	60		49	133
			2-Fluorobiphenyl	100	80.22	80		52	132
			2,4,6-Tribromophenol	150	178.93	119		32	145
			Terphenyl-d14	100	89.11	89		36	145
PB159421BL	PB159421BL	BF137496.D	2-Fluorophenol	150	121.75	81		10	139
			Phenol-d6	150	115.77	77		10	134
			Nitrobenzene-d5	100	82.56	83		49	133
			2-Fluorobiphenyl	100	77.78	78		52	132
			2,4,6-Tribromophenol	150	124.75	83		32	145
			Terphenyl-d14	100	68.18	68		36	145
PB159421BS	PB159421BS	BF137497.D	2-Fluorophenol	150	123.38	82		10	139
			Phenol-d6	150	118.78	79		10	134
			Nitrobenzene-d5	100	83.10	83		49	133
			2-Fluorobiphenyl	100	80.14	80		52	132
			2,4,6-Tribromophenol	150	134.18	89		32	145
			Terphenyl-d14	100	85.75	86		36	145

Surrogate Summary

SW-846

SDG No.: **BF030524**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1672-01	TP-1	BF137507.D	2-Fluorophenol	150	87.73	58		18	112
			Phenol-d6	150	80.89	54		15	107
			Nitrobenzene-d5	100	55.07	55		18	107
			2-Fluorobiphenyl	100	53.43	53		20	109
			2,4,6-Tribromophenol	150	66.48	44		10	110
			Terphenyl-d14	100	45.17	45		14	112
P1672-05	TP-3	BF137501.D	2-Fluorophenol	150	88.59	59		18	112
			Phenol-d6	150	84.11	56		15	107
			Nitrobenzene-d5	100	57.34	57		18	107
			2-Fluorobiphenyl	100	59.25	59		20	109
			2,4,6-Tribromophenol	150	70.44	47		10	110
			Terphenyl-d14	100	53.25	53		14	112
P1672-05MS	TP-3MS	BF137502.D	2-Fluorophenol	150	85.95	57		18	112
			Phenol-d6	150	78.98	53		15	107
			Nitrobenzene-d5	100	55.70	56		18	107
			2-Fluorobiphenyl	100	56.31	56		20	109
			2,4,6-Tribromophenol	150	79.27	53		10	110
			Terphenyl-d14	100	55.46	55		14	112
P1672-05MSD	TP-3MSD	BF137503.D	2-Fluorophenol	150	81.88	55		18	112
			Phenol-d6	150	78.14	52		15	107
			Nitrobenzene-d5	100	52.60	53		18	107
			2-Fluorobiphenyl	100	53.68	54		20	109
			2,4,6-Tribromophenol	150	78.64	52		10	110
			Terphenyl-d14	100	54.95	55		14	112
P1672-09	TP-5	BF137508.D	2-Fluorophenol	150	62.63	42		18	112
			Phenol-d6	150	60.45	40		15	107
			Nitrobenzene-d5	100	35.00	35		18	107
			2-Fluorobiphenyl	100	52.54	53		20	109
			2,4,6-Tribromophenol	150	42.05	28		10	110
			Terphenyl-d14	100	34.78	35		14	112
P1672-13	TP-13	BF137504.D	2-Fluorophenol	150	94.34	63		18	112
			Phenol-d6	150	89.30	60		15	107
			Nitrobenzene-d5	100	62.73	63		18	107
			2-Fluorobiphenyl	100	64.43	64		20	109
			2,4,6-Tribromophenol	150	76.14	51		10	110
			Terphenyl-d14	100	59.65	60		14	112
P1674-01	1A	BF137505.D	2-Fluorophenol	150	94.94	63		18	112
			Phenol-d6	150	90.10	60		15	107
			Nitrobenzene-d5	100	62.42	62		18	107
			2-Fluorobiphenyl	100	60.91	61		20	109
			2,4,6-Tribromophenol	150	74.18	49		10	110
			Terphenyl-d14	100	53.43	53		14	112
P1674-03	2B	BF137506.D	2-Fluorophenol	150	99.86	67		18	112
			Phenol-d6	150	95.33	64		15	107
			Nitrobenzene-d5	100	63.42	63		18	107
			2-Fluorobiphenyl	100	62.92	63		20	109
			2,4,6-Tribromophenol	150	82.18	55		10	110
			Terphenyl-d14	100	56.94	57		14	112
PB159437BL	PB159437BL	BF137499.D	2-Fluorophenol	150	114.78	77		18	112
			Phenol-d6	150	110.34	74		15	107
			Nitrobenzene-d5	100	78.37	78		18	107



Surrogate Summary
SW-846

SDG No.: BF030524

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB159437BL	PB159437BL	BF137499.D	2-Fluorobiphenyl	100	74.24	74		20	109
			2,4,6-Tribromophenol	150	127.89	85		10	110
			Terphenyl-d14	100	64.75	65		14	112
PB159437BS	PB159437BS	BF137500.D	2-Fluorophenol	150	129.04	86		18	112
			Phenol-d6	150	124.47	83		15	107
			Nitrobenzene-d5	100	84.94	85		18	107
			2-Fluorobiphenyl	100	80.32	80		20	109
			2,4,6-Tribromophenol	150	145.44	97		10	110
			Terphenyl-d14	100	87.43	87		14	112



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF030524

Lab Code: CHEM

SAS No.: BF030524 SDG NO.: BF030524

Lab File ID: BF137494.D

DFTPP Injection Date: 03/05/2024

Instrument ID: BNA_F

DFTPP Injection Time: 11:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.5
68	Less than 2.0% of mass 69	0.6 (1.4) 1
69	Mass 69 relative abundance	38.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	44.8
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	24.9
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	14.5
442	Greater than 50% of mass 198	93.9
443	15.0 - 24.0% of mass 442	18.6 (19.8) 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	BF137495.D	03/05/2024	12:23
PB159421BL	PB159421BL	BF137496.D	03/05/2024	12:53
PB159421BS	PB159421BS	BF137497.D	03/05/2024	13:23
PB159401TB	PB159401TB	BF137498.D	03/05/2024	13:54
PB159437BL	PB159437BL	BF137499.D	03/05/2024	14:25
PB159437BS	PB159437BS	BF137500.D	03/05/2024	14:55
TP-3	P1672-05	BF137501.D	03/05/2024	15:30
TP-3MS	P1672-05MS	BF137502.D	03/05/2024	16:01
TP-3MSD	P1672-05MSD	BF137503.D	03/05/2024	16:32
TP-13	P1672-13	BF137504.D	03/05/2024	17:03
1A	P1674-01	BF137505.D	03/05/2024	17:33
2B	P1674-03	BF137506.D	03/05/2024	18:04
TP-1	P1672-01	BF137507.D	03/05/2024	18:35
TP-5	P1672-09	BF137508.D	03/05/2024	19:06