

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF091624 SAS No.: BF091624 SDG No.: BF091624

Instrument ID: BNA_F Calibration Date/Time: 9/16/2024 1:10:36

Lab File ID: BF139377.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	0.940	0.924		-1.702	
Pyridine	1.084	1.150		6.089	
2-Fluorophenol	1.226	1.218		-0.653	
Benzaldehyde	0.930	0.806		-13.333	
Aniline	1.214	1.186		-2.306	
Phenol-d6	1.609	1.574		-2.175	
Phenol	1.639	1.629		-0.61	20.0
bis(2-Chloroethyl) ether	1.246	1.170		-6.1	
2-Chlorophenol	1.262	1.247		-1.189	
1,2-Dichlorobenzene	1.370	1.363		-0.511	
1,3-Dichlorobenzene	1.435	1.414		-1.463	
1,4-Dichlorobenzene	1.450	1.443		-0.483	20.0
Benzyl Alcohol	1.284	1.266		-1.402	
2-Methylphenol	1.003	0.996		-0.698	
2,2-oxybis(1-Chloropropane)	1.920	1.963		2.24	
Acetophenone	0.523	0.537		2.677	
3+4-Methylphenols	1.368	1.341		-1.974	
n-Nitroso-di-n-propylamine	0.954	0.966	0.050	1.258	
Nitrobenzene-d5	0.425	0.443		4.235	
Hexachloroethane	0.552	0.550		-0.362	
Nitrobenzene	0.438	0.448		2.283	
Isophorone	0.673	0.693		2.972	
2-Nitrophenol	0.171	0.177		3.509	20.0
2,4-Dimethylphenol	0.225	0.233		3.556	
bis(2-Chloroethoxy) methane	0.383	0.392		2.35	
2,4-Dichlorophenol	0.286	0.291		1.748	20.0
1,2,4-Trichlorobenzene	0.333	0.333		0.0	
Benzoic acid	0.211	0.219		3.791	
Naphthalene	1.044	1.065		2.011	
4-Chloroaniline	0.319	0.324		1.567	
Hexachlorobutadiene	0.226	0.236		4.425	20.0
Caprolactam	0.088	0.087		-1.136	
4-Chloro-3-methylphenol	0.327	0.331		1.223	20.0
2-Methylnaphthalene	0.663	0.670		1.056	
Hexachlorocyclopentadiene	0.207	0.229	0.050	10.628	
2,4,6-Trichlorophenol	0.386	0.406		5.181	20.0
2-Fluorobiphenyl	1.426	1.488		4.348	
2,4,5-Trichlorophenol	0.407	0.418		2.703	
1,1-Biphenyl	1.539	1.594		3.574	

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Lab File ID: BF139377.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
2-Chloronaphthalene	1.150	1.191		3.565	
2-Nitroaniline	0.428	0.446		4.206	
Dimethylphthalate	1.313	1.336		1.752	
Acenaphthylene	1.732	1.769		2.136	
2,6-Dinitrotoluene	0.291	0.308		5.842	
3-Nitroaniline	0.291	0.313		7.56	
Acenaphthene	1.209	1.235		2.151	20.0
2,4-Dinitrophenol	0.162	0.157	0.050	-3.086	
4-Nitrophenol	0.240	0.241	0.050	0.417	
Dibenzofuran	1.685	1.695		0.593	
2,4-Dinitrotoluene	0.393	0.403		2.545	
Diethylphthalate	1.355	1.373		1.328	
4-Chlorophenyl-phenylether	0.668	0.683		2.246	
Fluorene	1.375	1.390		1.091	
4-Nitroaniline	0.317	0.311		-1.893	
4,6-Dinitro-2-methylphenol	0.106	0.114		7.547	
n-Nitrosodiphenylamine	0.585	0.612		4.615	20.0
Azobenzene	1.332	1.353		1.577	
2,4,6-Tribromophenol	0.213	0.208		-2.347	
4-Bromophenyl-phenylether	0.198	0.214		8.081	
Hexachlorobenzene	0.233	0.244		4.721	
Atrazine	0.139	0.121		-12.95	
Pentachlorophenol	0.140	0.150		7.143	20.0
Phenanthrene	0.965	0.995		3.109	
Anthracene	0.943	0.972		3.075	
Carbazole	0.903	0.922		2.104	
Di-n-butylphthalate	1.006	1.034		2.783	
Fluoranthene	1.030	1.019		-1.068	20.0
Benzidine	0.287	0.311		8.362	
Pyrene	1.717	1.932		12.522	
Terphenyl-d14	1.218	1.320		8.374	
Butylbenzylphthalate	0.585	0.607		3.761	
3,3-Dichlorobenzidine	0.388	0.398		2.577	
Benzo(a)anthracene	1.325	1.355		2.264	
Chrysene	1.219	1.246		2.215	
Bis(2-ethylhexyl)phthalate	0.744	0.754		1.344	
Di-n-octyl phthalate	1.095	1.135		3.653	20.0
Benzo(b)fluoranthene	1.233	1.197		-2.92	
Benzo(k)fluoranthene	1.137	1.184		4.134	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF091624 SAS No.: BF091624 SDG No.: BF091624

Instrument ID: BNA_F Calibration Date/Time: 9/16/2024 10:36

Lab File ID: BF139377.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
Benzo(a)pyrene	1.023	1.059		3.519	20.0
Indeno(1,2,3-cd)pyrene	1.189	1.318		10.849	
Dibenzo(a,h)anthracene	0.983	1.092		11.089	
Benzo(g,h,i)perylene	0.973	1.101		13.155	
1,2,4,5-Tetrachlorobenzene	0.593	0.621		4.722	
1,4-Dioxane	0.492	0.496		0.813	20.0
2,3,4,6-Tetrachlorophenol	0.336	0.349		3.869	
1-Methylnaphthalene	0.651	0.652		0.154	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	PB163318BL	SDG No.:	BF091624
Lab Sample ID:	PB163318BL	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
BF139378.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8	10	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5	ug/L
108-95-2	Phenol	0.93	U	0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	0.8	U	0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8	10	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1	U	1	4	5	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5	ug/L
78-59-1	Isophorone	1.1	U	1.1	4	5	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8	10	ug/L
91-20-3	Naphthalene	1	U	1	4	5	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	PB163318BL	SDG No.:	BF091624
Lab Sample ID:	PB163318BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139378.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	5	U	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	4	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	4	5	ug/L
208-96-8	Acenaphthylene	1	U	1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.2	U	1.2	4	5	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	4	5	ug/L
Total PAH	Total PAH	17.36	U	17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	6.4	U	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	2	U	2	8	10	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	ug/L
84-66-2	Diethylphthalate	1	U	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	4	5	ug/L
86-73-7	Fluorene	0.96	U	0.96	4	5	ug/L
100-01-6	4-Nitroaniline	2	U	2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	4	5	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	1.1	U	1.1	4	5	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	PB163318BL	SDG No.:	BF091624
Lab Sample ID:	PB163318BL	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
BF139378.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L
92-87-5	Benzidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	120.883		10-139		81	SPK: -150
13127-88-3	Phenol-d6	119.398		10-134		80	SPK: -150
4165-60-0	Nitrobenzene-d5	81.896		49-133		82	SPK: -100
321-60-8	2-Fluorobiphenyl	81.696		52-132		82	SPK: -100

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	PB163318BL	SDG No.:	BF091624
Lab Sample ID:	PB163318BL	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
BF139378.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	117.49		44-137		78	SPK: -150
1718-51-0	Terphenyl-d14	85.054		48-125		85	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	93864	6.875				
1146-65-2	Naphthalene-d8	352298	8.157				
15067-26-2	Acenaphthene-d10	195161	9.91				
1517-22-2	Phenanthrene-d10	366268	11.392				
1719-03-5	Chrysene-d12	227743	14.027				
1520-96-3	Perylene-d12	184675	15.498				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2.5	J			2.246	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	6.2	A			5.128	
000629-94-7	Heneicosane	2.9	J			15.969	
000630-02-4	Octacosane	3.3	J			16.48	
000593-45-3	Octadecane	5.6	J			17.074	
000593-49-7	Heptacosane	2.2	J			17.786	

Report of Analysis

Client:		Date Collected:	9/3/2024 12:00:00 AM
Project:		Date Received:	9/3/2024 12:00:00 AM
Client Sample ID:	PT-ACIDS-WP	SDG No.:	BF091624
Lab Sample ID:	P3845-06	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
BF139379.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8	10	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5	ug/L
108-95-2	Phenol	130	E	0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5	ug/L
95-57-8	2-Chlorophenol	160	E	0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	0.8	U	0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8	10	ug/L
95-48-7	2-Methylphenol	110	E	1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1	U	1	4	5	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5	ug/L
78-59-1	Isophorone	1.1	U	1.1	4	5	ug/L
88-75-5	2-Nitrophenol	120	E	2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	71.5		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	56.4		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8	10	ug/L
91-20-3	Naphthalene	1	U	1	4	5	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	9/3/2024 12:00:00 AM
Project:		Date Received:	9/3/2024 12:00:00 AM
Client Sample ID:	PT-ACIDS-WP	SDG No.:	BF091624
Lab Sample ID:	P3845-06	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
BF139379.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	150	E	0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	5	U	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	170	E	0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	59		1	4	5	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	4	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	4	5	ug/L
208-96-8	Acenaphthylene	1	U	1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.2	U	1.2	4	5	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	4	5	ug/L
Total PAH	Total PAH	17.36	U	17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	180	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	170	E	2	8	10	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
84-66-2	Diethylphthalate	1	U	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	4	5	ug/L
86-73-7	Fluorene	0.96	U	0.96	4	5	ug/L
100-01-6	4-Nitroaniline	2	U	2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	140	E	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	4	5	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	1.1	U	1.1	4	5	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	9/3/2024 12:00:00 AM
Project:		Date Received:	9/3/2024 12:00:00 AM
Client Sample ID:	PT-ACIDS-WP	SDG No.:	BF091624
Lab Sample ID:	P3845-06	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
BF139379.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	43.3		1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L
92-87-5	Benzidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	120	E	0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	141.291		10-139		94	SPK: -150
13127-88-3	Phenol-d6	139.913		10-134		93	SPK: -150
4165-60-0	Nitrobenzene-d5	96.239		49-133		96	SPK: -100
321-60-8	2-Fluorobiphenyl	97.401		52-132		97	SPK: -100

Report of Analysis

Client:		Date Collected:	9/3/2024 12:00:00 AM
Project:		Date Received:	9/3/2024 12:00:00 AM
Client Sample ID:	PT-ACIDS-WP	SDG No.:	BF091624
Lab Sample ID:	P3845-06	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
BF139379.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	147.527		44-137		98	SPK: -150
1718-51-0	Terphenyl-d14	97.32		48-125		97	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	51774	6.875				
1146-65-2	Naphthalene-d8	193300	8.157				
15067-26-2	Acenaphthene-d10	107677	9.91				
1517-22-2	Phenanthrene-d10	200595	11.392				
1719-03-5	Chrysene-d12	138722	14.027				
1520-96-3	Perylene-d12	119413	15.498				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	98.5	J			2.216	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.3	A			5.11	
000087-65-0	Phenol, 2,6-dichloro-	90.7	J			8.239	

Report of Analysis

Client:		Date Collected:	9/3/2024 12:00:00 AM
Project:		Date Received:	9/3/2024 12:00:00 AM
Client Sample ID:	PT-ACIDS-WPDL	SDG No.:	BF091624
Lab Sample ID:	P3845-06DL	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
BF139380.D	5	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	5.2	U	5.2	40	50	ug/L
110-86-1	Pyridine	7.8	U	7.8	20	25	ug/L
100-52-7	Benzaldehyde	20	U	20	40	50	ug/L
62-53-3	Aniline	8	U	8	20	25	ug/L
108-95-2	Phenol	110	D	4.7	20	25	ug/L
111-44-4	bis(2-Chloroethyl)ether	6	U	6	20	25	ug/L
95-57-8	2-Chlorophenol	140	D	3.6	20	25	ug/L
95-50-1	1,2-Dichlorobenzene	4.4	U	4.4	20	25	ug/L
541-73-1	1,3-Dichlorobenzene	4	U	4	20	25	ug/L
106-46-7	1,4-Dichlorobenzene	4.2	U	4.2	20	25	ug/L
100-51-6	Benzyl Alcohol	8	U	8	40	50	ug/L
95-48-7	2-Methylphenol	100	D	5.7	20	25	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	6.8	U	6.8	20	25	ug/L
98-86-2	Acetophenone	5.5	U	5.5	20	25	ug/L
65794-96-9	3+4-Methylphenols	5.8	U	5.8	40	50	ug/L
621-64-7	n-Nitroso-di-n-propylamine	7.4	U	7.4	12.5	12.5	ug/L
67-72-1	Hexachloroethane	5.1	U	5.1	20	25	ug/L
98-95-3	Nitrobenzene	6.4	U	6.4	20	25	ug/L
78-59-1	Isophorone	5.7	U	5.7	20	25	ug/L
88-75-5	2-Nitrophenol	98.8	D	9.8	20	25	ug/L
105-67-9	2,4-Dimethylphenol	63.8	D	7.6	20	25	ug/L
111-91-1	bis(2-Chloroethoxy)methane	5.1	U	5.1	20	25	ug/L
120-83-2	2,4-Dichlorophenol	49.5	D	4.4	20	25	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.5	U	5.5	20	25	ug/L
65-85-0	Benzoic acid	27.4	U	27.4	40	50	ug/L
91-20-3	Naphthalene	5.1	U	5.1	20	25	ug/L
106-47-8	4-Chloroaniline	6.5	U	6.5	20	25	ug/L
87-68-3	Hexachlorobutadiene	6.4	U	6.4	20	25	ug/L

Report of Analysis

Client:		Date Collected:	9/3/2024 12:00:00 AM
Project:		Date Received:	9/3/2024 12:00:00 AM
Client Sample ID:	PT-ACIDS-WPDL	SDG No.:	BF091624
Lab Sample ID:	P3845-06DL	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
BF139380.D	5	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	8.3	U	8.3	40	50	ug/L
59-50-7	4-Chloro-3-methylphenol	140	D	4.2	20	25	ug/L
91-57-6	2-Methylnaphthalene	5.7	U	5.7	20	25	ug/L
77-47-4	Hexachlorocyclopentadiene	25.1	U	25.1	40	50	ug/L
88-06-2	2,4,6-Trichlorophenol	140	D	4.5	20	25	ug/L
95-95-4	2,4,5-Trichlorophenol	58.3	D	5.1	20	25	ug/L
92-52-4	1,1-Biphenyl	4.6	U	4.6	20	25	ug/L
91-58-7	2-Chloronaphthalene	4.9	U	4.9	20	25	ug/L
88-74-4	2-Nitroaniline	7.1	U	7.1	20	25	ug/L
131-11-3	Dimethylphthalate	4.7	U	4.7	20	25	ug/L
208-96-8	Acenaphthylene	5.2	U	5.2	20	25	ug/L
606-20-2	2,6-Dinitrotoluene	6.2	U	6.2	20	25	ug/L
99-09-2	3-Nitroaniline	6.9	U	6.9	20	25	ug/L
83-32-9	Acenaphthene	4.1	U	4.1	20	25	ug/L
Total PAH	Total PAH	86.8	U	86.8	20	400	ug/L
51-28-5	2,4-Dinitrophenol	110	D	32.1	40	50	ug/L
100-02-7	4-Nitrophenol	150	D	10	40	50	ug/L
132-64-9	Dibenzofuran	4.7	U	4.7	20	25	ug/L
121-14-2	2,4-Dinitrotoluene	7.6	U	7.6	20	25	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	13.8	U	13.8	20	50	ug/L
84-66-2	Diethylphthalate	5.2	U	5.2	20	25	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.9	U	4.9	20	25	ug/L
86-73-7	Fluorene	4.8	U	4.8	20	25	ug/L
100-01-6	4-Nitroaniline	10.2	U	10.2	20	25	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	100	D	15.4	40	50	ug/L
86-30-6	n-Nitrosodiphenylamine	4.5	U	4.5	20	25	ug/L
103-33-3	Azobenzene	6	U	6	20	25	ug/L
101-55-3	4-Bromophenyl-phenylether	4.8	U	4.8	20	25	ug/L
118-74-1	Hexachlorobenzene	5.7	U	5.7	20	25	ug/L
1912-24-9	Atrazine	6.3	U	6.3	20	25	ug/L

Report of Analysis

Client:		Date Collected:	9/3/2024 12:00:00 AM
Project:		Date Received:	9/3/2024 12:00:00 AM
Client Sample ID:	PT-ACIDS-WPDL	SDG No.:	BF091624
Lab Sample ID:	P3845-06DL	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
BF139380.D	5	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	32	JD	9.3	40	50	ug/L
85-01-8	Phenanthrene	4.5	U	4.5	20	25	ug/L
120-12-7	Anthracene	5.4	U	5.4	20	25	ug/L
86-74-8	Carbazole	5.8	U	5.8	20	25	ug/L
84-74-2	Di-n-butylphthalate	7.4	U	7.4	20	25	ug/L
206-44-0	Fluoranthene	6.5	U	6.5	20	25	ug/L
92-87-5	Benzidine	20.4	U	20.4	40	50	ug/L
129-00-0	Pyrene	5.3	U	5.3	20	25	ug/L
85-68-7	Butylbenzylphthalate	10.5	U	10.5	20	25	ug/L
91-94-1	3,3-Dichlorobenzidine	6.4	U	6.4	40	50	ug/L
56-55-3	Benzo(a)anthracene	4.7	U	4.7	20	25	ug/L
218-01-9	Chrysene	4.3	U	4.3	20	25	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	9.5	U	9.5	20	25	ug/L
117-84-0	Di-n-octyl phthalate	12.5	U	12.5	40	50	ug/L
205-99-2	Benzo(b)fluoranthene	5.7	U	5.7	20	25	ug/L
207-08-9	Benzo(k)fluoranthene	6	U	6	20	25	ug/L
50-32-8	Benzo(a)pyrene	8.4	U	8.4	20	25	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.1	U	5.1	20	25	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.8	U	5.8	20	25	ug/L
191-24-2	Benzo(g,h,i)perylene	5.9	U	5.9	20	25	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	5.5	U	5.5	20	25	ug/L
123-91-1	1,4-Dioxane	6.3	U	6.3	20	25	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	98.7	D	4	20	25	ug/L
90-12-0	1-Methylnaphthalene	4.3	U	4.3	20	25	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	123.05		10-139		82	SPK: -150
13127-88-3	Phenol-d6	123.92		10-134		83	SPK: -150
4165-60-0	Nitrobenzene-d5	86.445		49-133		86	SPK: -100
321-60-8	2-Fluorobiphenyl	90.69		52-132		91	SPK: -100

Report of Analysis

Client:		Date Collected:	9/3/2024 12:00:00 AM
Project:		Date Received:	9/3/2024 12:00:00 AM
Client Sample ID:	PT-ACIDS-WPDL	SDG No.:	BF091624
Lab Sample ID:	P3845-06DL	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
BF139380.D	5	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	127.21		44-137		85	SPK: -150
1718-51-0	Terphenyl-d14	94.785		48-125		95	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	53717	6.875				
1146-65-2	Naphthalene-d8	197693	8.157				
15067-26-2	Acenaphthene-d10	111417	9.91				
1517-22-2	Phenanthrene-d10	205713	11.392				
1719-03-5	Chrysene-d12	127464	14.027				
1520-96-3	Perylene-d12	107390	15.498				

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	72-11930	SDG No.:	BF091624
Lab Sample ID:	P3929-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14
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
BF139381.D	1	9/11/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163293

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	60.5	U	60.5	190	230	ug/Kg
110-86-1	Pyridine	55.7	U	55.7	90.6	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	190	230	ug/Kg
62-53-3	Aniline	67.6	U	67.6	90.6	120	ug/Kg
108-95-2	Phenol	57.8	U	57.8	90.6	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	58.4	U	58.4	90.6	120	ug/Kg
95-57-8	2-Chlorophenol	58.2	U	58.2	90.6	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	59	U	59	90.6	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	60	U	60	90.6	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	60.3	U	60.3	90.6	120	ug/Kg
100-51-6	Benzyl Alcohol	57.9	U	57.9	190	230	ug/Kg
95-48-7	2-Methylphenol	56.2	U	56.2	90.6	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	63.4	U	63.4	90.6	120	ug/Kg
98-86-2	Acetophenone	60.6	U	60.6	90.6	120	ug/Kg
65794-96-9	3+4-Methylphenols	55.6	U	55.6	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	28.1	U	28.1	55.8	55.8	ug/Kg
67-72-1	Hexachloroethane	57.9	U	57.9	90.6	120	ug/Kg
98-95-3	Nitrobenzene	63.3	U	63.3	90.6	120	ug/Kg
78-59-1	Isophorone	59	U	59	90.6	120	ug/Kg
88-75-5	2-Nitrophenol	65.9	U	65.9	90.6	120	ug/Kg
105-67-9	2,4-Dimethylphenol	65	U	65	90.6	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	59.8	U	59.8	90.6	120	ug/Kg
120-83-2	2,4-Dichlorophenol	52.6	U	52.6	90.6	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	59.5	U	59.5	90.6	120	ug/Kg
65-85-0	Benzoic acid	170	U	170	190	230	ug/Kg
91-20-3	Naphthalene	57.6	U	57.6	90.6	120	ug/Kg
106-47-8	4-Chloroaniline	57.6	U	57.6	90.6	120	ug/Kg
87-68-3	Hexachlorobutadiene	58.1	U	58.1	90.6	120	ug/Kg

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	72-11930	SDG No.:	BF091624
Lab Sample ID:	P3929-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14
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
BF139381.D	1	9/11/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163293

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	60.5	U	60.5	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	54	U	54	90.6	120	ug/Kg
91-57-6	2-Methylnaphthalene	57.5	U	57.5	90.6	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	49.8	U	49.8	90.6	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	51.6	U	51.6	90.6	120	ug/Kg
92-52-4	1,1-Biphenyl	60.9	U	60.9	90.6	120	ug/Kg
91-58-7	2-Chloronaphthalene	58.1	U	58.1	90.6	120	ug/Kg
88-74-4	2-Nitroaniline	66.2	U	66.2	90.6	120	ug/Kg
131-11-3	Dimethylphthalate	57	U	57	90.6	120	ug/Kg
208-96-8	Acenaphthylene	60.3	U	60.3	90.6	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	58	U	58	90.6	120	ug/Kg
99-09-2	3-Nitroaniline	62.2	U	62.2	90.6	120	ug/Kg
83-32-9	Acenaphthene	56.5	U	56.5	90.6	120	ug/Kg
Total PAH	Total PAH	966	U	923.9	90.6	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	190	230	ug/Kg
100-02-7	4-Nitrophenol	80.9	U	80.9	190	230	ug/Kg
132-64-9	Dibenzofuran	58.8	U	58.8	90.6	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	18.1	U	118.1	90.6	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	60.1	U	60.1	90.6	120	ug/Kg
84-66-2	Diethylphthalate	55.9	U	55.9	90.6	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	59.7	U	59.7	90.6	120	ug/Kg
86-73-7	Fluorene	59.6	U	59.6	90.6	120	ug/Kg
100-01-6	4-Nitroaniline	74.6	U	74.6	90.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	81.6	U	81.6	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	56.9	U	56.9	90.6	120	ug/Kg
103-33-3	Azobenzene	55.5	U	55.5	90.6	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	55	U	55	90.6	120	ug/Kg
118-74-1	Hexachlorobenzene	59.3	U	59.3	90.6	120	ug/Kg
1912-24-9	Atrazine	63.7	U	63.7	90.6	120	ug/Kg

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	72-11930	SDG No.:	BF091624
Lab Sample ID:	P3929-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14
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
BF139381.D	1	9/11/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163293

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	53.9	U	53.9	190	230	ug/Kg
85-01-8	Phenanthrene	58.6	U	58.6	90.6	120	ug/Kg
120-12-7	Anthracene	58.8	U	58.8	90.6	120	ug/Kg
86-74-8	Carbazole	56	U	56	90.6	120	ug/Kg
84-74-2	Di-n-butylphthalate	58.8	U	58.8	90.6	120	ug/Kg
206-44-0	Fluoranthene	360		57	90.6	120	ug/Kg
92-87-5	Benzidine	110	U	110	190	230	ug/Kg
129-00-0	Pyrene	250		57.9	90.6	120	ug/Kg
85-68-7	Butylbenzylphthalate	67.5	U	67.5	90.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	68.7	U	68.7	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	120		56.3	90.6	120	ug/Kg
218-01-9	Chrysene	150		55.4	90.6	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120		63.5	90.6	120	ug/Kg
117-84-0	Di-n-octyl phthalate	76.7	U	76.7	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	86	J	56.5	90.6	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	57.6	U	57.6	90.6	120	ug/Kg
50-32-8	Benzo(a)pyrene	64.8	U	64.8	90.6	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	54.5	U	54.5	90.6	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	56.6	U	56.6	90.6	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	55.9	U	55.9	90.6	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	60.5	U	60.5	90.6	120	ug/Kg
123-91-1	1,4-Dioxane	76.7	U	76.7	90.6	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52.1	U	52.1	90.6	120	ug/Kg
90-12-0	1-Methylnaphthalene	58	U	58	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	115.295		18-112		77	SPK: -150
13127-88-3	Phenol-d6	116.048		15-107		77	SPK: -150
4165-60-0	Nitrobenzene-d5	81.599		18-107		82	SPK: -100
321-60-8	2-Fluorobiphenyl	80.234		20-109		80	SPK: -100

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	72-11930	SDG No.:	BF091624
Lab Sample ID:	P3929-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14
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
BF139381.D	1	9/11/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163293

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	116.382		10-116		78	SPK: -150
1718-51-0	Terphenyl-d14	97.473		10-105		97	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	59320	6.875				
1146-65-2	Naphthalene-d8	212084	8.157				
15067-26-2	Acenaphthene-d10	116207	9.91				
1517-22-2	Phenanthrene-d10	214775	11.392				
1719-03-5	Chrysene-d12	104823	14.027				
1520-96-3	Perylene-d12	107304	15.492				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1800	J			2.216	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	150	A			5.104	
000119-61-9	Benzophenone	130	J			10.622	
000057-10-3	n-Hexadecanoic acid	320	J			11.922	
000203-64-5	4H-Cyclopenta[def]phenanthrene	49.7	J			12.004	
002381-21-7	Pyrene, 1-methyl-	55.3	J			13.157	
959085-66-6	Heptadecyl heptafluorobutyrate	64.8	J			13.874	
007683-64-9	Supraene	57.4	J			14.88	

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	BIN-2	SDG No.:	BF091624
Lab Sample ID:	P3929-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.1
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139382.D	1	9/11/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163293

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	56.6	U	56.6	180	220	ug/Kg
110-86-1	Pyridine	52.1	U	52.1	84.8	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	63.2	U	63.2	84.8	110	ug/Kg
108-95-2	Phenol	54.1	U	54.1	84.8	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	54.6	U	54.6	84.8	110	ug/Kg
95-57-8	2-Chlorophenol	54.5	U	54.5	84.8	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	55.2	U	55.2	84.8	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	56.1	U	56.1	84.8	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	56.5	U	56.5	84.8	110	ug/Kg
100-51-6	Benzyl Alcohol	54.2	U	54.2	180	220	ug/Kg
95-48-7	2-Methylphenol	52.6	U	52.6	84.8	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	59.3	U	59.3	84.8	110	ug/Kg
98-86-2	Acetophenone	56.7	U	56.7	84.8	110	ug/Kg
65794-96-9	3+4-Methylphenols	52.1	U	52.1	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	26.3	U	26.3	52.2	52.2	ug/Kg
67-72-1	Hexachloroethane	54.2	U	54.2	84.8	110	ug/Kg
98-95-3	Nitrobenzene	59.3	U	59.3	84.8	110	ug/Kg
78-59-1	Isophorone	55.2	U	55.2	84.8	110	ug/Kg
88-75-5	2-Nitrophenol	61.7	U	61.7	84.8	110	ug/Kg
105-67-9	2,4-Dimethylphenol	60.8	U	60.8	84.8	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	56	U	56	84.8	110	ug/Kg
120-83-2	2,4-Dichlorophenol	49.3	U	49.3	84.8	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	55.7	U	55.7	84.8	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	180	220	ug/Kg
91-20-3	Naphthalene	53.9	U	53.9	84.8	110	ug/Kg
106-47-8	4-Chloroaniline	53.9	U	53.9	84.8	110	ug/Kg
87-68-3	Hexachlorobutadiene	54.4	U	54.4	84.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	BIN-2	SDG No.:	BF091624
Lab Sample ID:	P3929-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.1
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139382.D	1	9/11/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163293

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	56.6	U	56.6	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	50.6	U	50.6	84.8	110	ug/Kg
91-57-6	2-Methylnaphthalene	53.8	U	53.8	84.8	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.6	U	46.6	84.8	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	48.3	U	48.3	84.8	110	ug/Kg
92-52-4	1,1-Biphenyl	57	U	57	84.8	110	ug/Kg
91-58-7	2-Chloronaphthalene	54.4	U	54.4	84.8	110	ug/Kg
88-74-4	2-Nitroaniline	62	U	62	84.8	110	ug/Kg
131-11-3	Dimethylphthalate	53.3	U	53.3	84.8	110	ug/Kg
208-96-8	Acenaphthylene	56.5	U	56.5	84.8	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	54.3	U	54.3	84.8	110	ug/Kg
99-09-2	3-Nitroaniline	58.2	U	58.2	84.8	110	ug/Kg
83-32-9	Acenaphthene	52.9	U	52.9	84.8	110	ug/Kg
Total PAH	Total PAH	1492.5	U	864.9	84.8	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	75.7	U	75.7	180	220	ug/Kg
132-64-9	Dibenzofuran	55.1	U	55.1	84.8	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	10.6	U	110.6	84.8	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	56.3	U	56.3	84.8	110	ug/Kg
84-66-2	Diethylphthalate	52.3	U	52.3	84.8	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	55.9	U	55.9	84.8	110	ug/Kg
86-73-7	Fluorene	55.8	U	55.8	84.8	110	ug/Kg
100-01-6	4-Nitroaniline	69.8	U	69.8	84.8	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	76.4	U	76.4	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	53.3	U	53.3	84.8	110	ug/Kg
103-33-3	Azobenzene	51.9	U	51.9	84.8	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	51.5	U	51.5	84.8	110	ug/Kg
118-74-1	Hexachlorobenzene	55.5	U	55.5	84.8	110	ug/Kg
1912-24-9	Atrazine	59.6	U	59.6	84.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	BIN-2	SDG No.:	BF091624
Lab Sample ID:	P3929-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.1
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139382.D	1	9/11/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163293

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	50.4	U	50.4	180	220	ug/Kg
85-01-8	Phenanthrene	150		54.8	84.8	110	ug/Kg
120-12-7	Anthracene	55.1	U	55.1	84.8	110	ug/Kg
86-74-8	Carbazole	52.4	U	52.4	84.8	110	ug/Kg
84-74-2	Di-n-butylphthalate	55	U	55	84.8	110	ug/Kg
206-44-0	Fluoranthene	250		53.3	84.8	110	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	240		54.2	84.8	110	ug/Kg
85-68-7	Butylbenzylphthalate	63.2	U	63.2	84.8	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	64.3	U	64.3	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	160		52.7	84.8	110	ug/Kg
218-01-9	Chrysene	150		51.9	84.8	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.4	U	59.4	84.8	110	ug/Kg
117-84-0	Di-n-octyl phthalate	71.8	U	71.8	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	190		52.9	84.8	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	80.5	J	53.9	84.8	110	ug/Kg
50-32-8	Benzo(a)pyrene	150		60.7	84.8	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	56.3	J	51	84.8	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	53	U	53	84.8	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	65.7	J	52.3	84.8	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	56.6	U	56.6	84.8	110	ug/Kg
123-91-1	1,4-Dioxane	71.8	U	71.8	84.8	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.8	U	48.8	84.8	110	ug/Kg
90-12-0	1-Methylnaphthalene	54.3	U	54.3	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	95.655		18-112		64	SPK: -150
13127-88-3	Phenol-d6	97.297		15-107		65	SPK: -150
4165-60-0	Nitrobenzene-d5	65.404		18-107		65	SPK: -100
321-60-8	2-Fluorobiphenyl	68.417		20-109		68	SPK: -100

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	BIN-2	SDG No.:	BF091624
Lab Sample ID:	P3929-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.1
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139382.D	1	9/11/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163293

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	88.862		10-116		59	SPK: -150
1718-51-0	Terphenyl-d14	65.912		10-105		66	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	59754	6.875				
1146-65-2	Naphthalene-d8	224145	8.157				
15067-26-2	Acenaphthene-d10	118591	9.91				
1517-22-2	Phenanthrene-d10	195945	11.392				
1719-03-5	Chrysene-d12	104507	14.027				
1520-96-3	Perylene-d12	95315	15.492				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1400	J			2.205	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	120	A			5.099	
000119-61-9	Benzophenone	120	J			10.622	
000057-10-3	n-Hexadecanoic acid	240	J			11.922	
959085-66-6	Heptadecyl heptafluorobutyrate	90.7	J			13.874	
007683-64-9	Supraene	120	J			14.88	
000192-97-2	Benzo[e]pyrene	100	J			15.368	

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	RW-1	SDG No.:	BF091624
Lab Sample ID:	P3947-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BF139383.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	62.1	U	62.1	190	240	ug/Kg
110-86-1	Pyridine	57.2	U	57.2	93	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	190	240	ug/Kg
62-53-3	Aniline	69.3	U	69.3	93	120	ug/Kg
108-95-2	Phenol	59.3	U	59.3	93	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	59.9	U	59.9	93	120	ug/Kg
95-57-8	2-Chlorophenol	59.7	U	59.7	93	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	60.5	U	60.5	93	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	61.5	U	61.5	93	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	61.9	U	61.9	93	120	ug/Kg
100-51-6	Benzyl Alcohol	59.4	U	59.4	190	240	ug/Kg
95-48-7	2-Methylphenol	57.7	U	57.7	93	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	65	U	65	93	120	ug/Kg
98-86-2	Acetophenone	62.2	U	62.2	93	120	ug/Kg
65794-96-9	3+4-Methylphenols	57.1	U	57.1	190	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	28.8	U	28.8	57.2	57.2	ug/Kg
67-72-1	Hexachloroethane	59.4	U	59.4	93	120	ug/Kg
98-95-3	Nitrobenzene	64.9	U	64.9	93	120	ug/Kg
78-59-1	Isophorone	60.5	U	60.5	93	120	ug/Kg
88-75-5	2-Nitrophenol	67.6	U	67.6	93	120	ug/Kg
105-67-9	2,4-Dimethylphenol	66.7	U	66.7	93	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	61.4	U	61.4	93	120	ug/Kg
120-83-2	2,4-Dichlorophenol	54	U	54	93	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	61.1	U	61.1	93	120	ug/Kg
65-85-0	Benzoic acid	170	U	170	190	240	ug/Kg
91-20-3	Naphthalene	59.1	U	59.1	93	120	ug/Kg
106-47-8	4-Chloroaniline	59.1	U	59.1	93	120	ug/Kg
87-68-3	Hexachlorobutadiene	59.6	U	59.6	93	120	ug/Kg

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	RW-1	SDG No.:	BF091624
Lab Sample ID:	P3947-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BF139383.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	62.1	U	62.1	190	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	55.4	U	55.4	93	120	ug/Kg
91-57-6	2-Methylnaphthalene	59	U	59	93	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	190	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	51.1	U	51.1	93	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	52.9	U	52.9	93	120	ug/Kg
92-52-4	1,1-Biphenyl	62.5	U	62.5	93	120	ug/Kg
91-58-7	2-Chloronaphthalene	59.6	U	59.6	93	120	ug/Kg
88-74-4	2-Nitroaniline	68	U	68	93	120	ug/Kg
131-11-3	Dimethylphthalate	58.4	U	58.4	93	120	ug/Kg
208-96-8	Acenaphthylene	61.9	U	61.9	93	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	59.5	U	59.5	93	120	ug/Kg
99-09-2	3-Nitroaniline	63.8	U	63.8	93	120	ug/Kg
83-32-9	Acenaphthene	58	U	58	93	120	ug/Kg
Total PAH	Total PAH	2700.4	U	948	93	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	190	240	ug/Kg
100-02-7	4-Nitrophenol	83	U	83	190	240	ug/Kg
132-64-9	Dibenzofuran	60.4	U	60.4	93	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	61.7	U	61.7	93	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	21.2	U	121.2	93	240	ug/Kg
84-66-2	Diethylphthalate	57.3	U	57.3	93	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	61.2	U	61.2	93	120	ug/Kg
86-73-7	Fluorene	61.2	U	61.2	93	120	ug/Kg
100-01-6	4-Nitroaniline	76.5	U	76.5	93	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	83.7	U	83.7	190	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	58.4	U	58.4	93	120	ug/Kg
103-33-3	Azobenzene	56.9	U	56.9	93	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	56.4	U	56.4	93	120	ug/Kg
118-74-1	Hexachlorobenzene	60.8	U	60.8	93	120	ug/Kg
1912-24-9	Atrazine	65.4	U	65.4	93	120	ug/Kg

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	RW-1	SDG No.:	BF091624
Lab Sample ID:	P3947-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BF139383.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	55.3	U	55.3	190	240	ug/Kg
85-01-8	Phenanthrene	380		60.1	93	120	ug/Kg
120-12-7	Anthracene	82.6	J	60.4	93	120	ug/Kg
86-74-8	Carbazole	57.4	U	57.4	93	120	ug/Kg
84-74-2	Di-n-butylphthalate	60.3	U	60.3	93	120	ug/Kg
206-44-0	Fluoranthene	470		58.4	93	120	ug/Kg
92-87-5	Benzidine	120	U	120	190	240	ug/Kg
129-00-0	Pyrene	410		59.4	93	120	ug/Kg
85-68-7	Butylbenzylphthalate	69.2	U	69.2	93	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	70.5	U	70.5	190	240	ug/Kg
56-55-3	Benzo(a)anthracene	270		57.7	93	120	ug/Kg
218-01-9	Chrysene	250		56.9	93	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	65.1	U	65.1	93	120	ug/Kg
117-84-0	Di-n-octyl phthalate	78.7	U	78.7	190	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	280		58	93	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	130		59.1	93	120	ug/Kg
50-32-8	Benzo(a)pyrene	230		66.5	93	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	87.8	J	55.9	93	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	58.1	U	58.1	93	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	J	57.3	93	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	62.1	U	62.1	93	120	ug/Kg
123-91-1	1,4-Dioxane	78.7	U	78.7	93	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	53.4	U	53.4	93	120	ug/Kg
90-12-0	1-Methylnaphthalene	59.5	U	59.5	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	128.295		18-112		86	SPK: -150
13127-88-3	Phenol-d6	127.495		15-107		85	SPK: -150
4165-60-0	Nitrobenzene-d5	90.898		18-107		91	SPK: -100
321-60-8	2-Fluorobiphenyl	88.988		20-109		89	SPK: -100

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	RW-1	SDG No.:	BF091624
Lab Sample ID:	P3947-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BF139383.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	109.778		10-116		73	SPK: -150
1718-51-0	Terphenyl-d14	73.421		10-105		73	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	58357	6.875				
1146-65-2	Naphthalene-d8	210995	8.157				
15067-26-2	Acenaphthene-d10	108172	9.91				
1517-22-2	Phenanthrene-d10	159684	11.392				
1719-03-5	Chrysene-d12	99857	14.027				
1520-96-3	Perylene-d12	77157	15.492				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1700	J			2.193	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	170	A			5.104	
000087-44-5	Caryophyllene	130	J			9.569	
006753-98-6	Humulene	260	J			9.757	
	unknown10.004	230	J			10.004	
000119-61-9	Benzophenone	210	J			10.622	
000832-69-9	Phenanthrene, 1-methyl-	74.6	J			11.892	
000057-10-3	n-Hexadecanoic acid	410	J			11.922	
002531-84-2	Phenanthrene, 2-methyl-	49.8	J			11.969	
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	180	J			12.004	
000612-94-2	Naphthalene, 2-phenyl-	56.7	J			12.186	
000781-43-1	9,10-Dimethylanthracene	90.8	J			12.439	
	unknown12.480	65.6	J			12.48	
	unknown12.528	48.6	J			12.528	
	unknown12.698	50.8	J			12.698	
000238-84-6	11H-Benzo[a]fluorene	52.7	J			13.051	
002381-21-7	Pyrene, 1-methyl-	69.6	J			13.157	
033543-31-6	Fluoranthene, 2-methyl-	48.6	J			13.263	
000479-79-8	11H-Benzo[a]fluoren-11-one	74.9	J			13.874	

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	RW-1	SDG No.:	BF091624
Lab Sample ID:	P3947-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BF139383.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000192-97-2	Benzo[e]pyrene	140	J			15.368	

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	RW-1MS	SDG No.:	BF091624
Lab Sample ID:	P3947-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BF139384.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1000		62.1	190	240	ug/Kg
110-86-1	Pyridine	1000		57.2	93	120	ug/Kg
100-52-7	Benzaldehyde	320		130	190	240	ug/Kg
62-53-3	Aniline	730		69.3	93	120	ug/Kg
108-95-2	Phenol	1100		59.3	93	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		59.9	93	120	ug/Kg
95-57-8	2-Chlorophenol	1100		59.7	93	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		60.5	93	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		61.5	93	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		61.9	93	120	ug/Kg
100-51-6	Benzyl Alcohol	1100		59.4	190	240	ug/Kg
95-48-7	2-Methylphenol	1100		57.7	93	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1200		65	93	120	ug/Kg
98-86-2	Acetophenone	1100		62.2	93	120	ug/Kg
65794-96-9	3+4-Methylphenols	1100		57.1	190	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1200		28.8	57.2	57.2	ug/Kg
67-72-1	Hexachloroethane	1000		59.4	93	120	ug/Kg
98-95-3	Nitrobenzene	1100		65	93	120	ug/Kg
78-59-1	Isophorone	1200		60.5	93	120	ug/Kg
88-75-5	2-Nitrophenol	1100		67.6	93	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		66.7	93	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1200		61.4	93	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		54	93	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		61.1	93	120	ug/Kg
65-85-0	Benzoic acid	1000		170	190	240	ug/Kg
91-20-3	Naphthalene	1100		59.1	93	120	ug/Kg
106-47-8	4-Chloroaniline	240		59.1	93	120	ug/Kg
87-68-3	Hexachlorobutadiene	1000		59.6	93	120	ug/Kg

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	RW-1MS	SDG No.:	BF091624
Lab Sample ID:	P3947-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BF139384.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1000		62.1	190	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		55.5	93	120	ug/Kg
91-57-6	2-Methylnaphthalene	1100		59	93	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2800	E	110	190	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		51.1	93	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		53	93	120	ug/Kg
92-52-4	1,1-Biphenyl	1200		62.5	93	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		59.6	93	120	ug/Kg
88-74-4	2-Nitroaniline	1100		68	93	120	ug/Kg
131-11-3	Dimethylphthalate	1200		58.5	93	120	ug/Kg
208-96-8	Acenaphthylene	1200		61.9	93	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		59.5	93	120	ug/Kg
99-09-2	3-Nitroaniline	680		63.8	93	120	ug/Kg
83-32-9	Acenaphthene	1200		58	93	120	ug/Kg
Total PAH	Total PAH	20040		948.1	93	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	1800		170	190	240	ug/Kg
100-02-7	4-Nitrophenol	1800		83	190	240	ug/Kg
132-64-9	Dibenzofuran	1100		60.4	93	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2100		121.2	93	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		61.7	93	120	ug/Kg
84-66-2	Diethylphthalate	1100		57.3	93	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		61.3	93	120	ug/Kg
86-73-7	Fluorene	1100		61.2	93	120	ug/Kg
100-01-6	4-Nitroaniline	800		76.6	93	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		83.7	190	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		58.4	93	120	ug/Kg
103-33-3	Azobenzene	1200		57	93	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		56.5	93	120	ug/Kg
118-74-1	Hexachlorobenzene	1200		60.8	93	120	ug/Kg
1912-24-9	Atrazine	1700		65.4	93	120	ug/Kg

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	RW-1MS	SDG No.:	BF091624
Lab Sample ID:	P3947-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BF139384.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2200	E	55.3	190	240	ug/Kg
85-01-8	Phenanthrene	1500		60.1	93	120	ug/Kg
120-12-7	Anthracene	1300		60.4	93	120	ug/Kg
86-74-8	Carbazole	1100		57.5	93	120	ug/Kg
84-74-2	Di-n-butylphthalate	1300		60.3	93	120	ug/Kg
206-44-0	Fluoranthene	1400		58.5	93	120	ug/Kg
92-87-5	Benzidine	1100		120	190	240	ug/Kg
129-00-0	Pyrene	1500		59.4	93	120	ug/Kg
85-68-7	Butylbenzylphthalate	1300		69.3	93	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	670		70.6	190	240	ug/Kg
56-55-3	Benzo(a)anthracene	1400		57.7	93	120	ug/Kg
218-01-9	Chrysene	1300		56.9	93	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400		65.1	93	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		78.7	190	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		58	93	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		59.1	93	120	ug/Kg
50-32-8	Benzo(a)pyrene	1400		66.5	93	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		55.9	93	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000		58.1	93	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	940		57.3	93	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		62.1	93	120	ug/Kg
123-91-1	1,4-Dioxane	890		78.7	93	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		53.5	93	120	ug/Kg
90-12-0	1-Methylnaphthalene	1000		59.5	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	110.354		18-112		74	SPK: -150
13127-88-3	Phenol-d6	109.81		15-107		73	SPK: -150
4165-60-0	Nitrobenzene-d5	78.491		18-107		78	SPK: -100
321-60-8	2-Fluorobiphenyl	79.178		20-109		79	SPK: -100

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	RW-1MS	SDG No.:	BF091624
Lab Sample ID:	P3947-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BF139384.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	97.059		10-116		65	SPK: -150
1718-51-0	Terphenyl-d14	69.958		10-105		70	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	67435	6.881				
1146-65-2	Naphthalene-d8	244647	8.163				
15067-26-2	Acenaphthene-d10	122439	9.916				
1517-22-2	Phenanthrene-d10	183510	11.398				
1719-03-5	Chrysene-d12	106233	14.033				
1520-96-3	Perylene-d12	82354	15.498				

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	RW-1MSD	SDG No.:	BF091624
Lab Sample ID:	P3947-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BF139385.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		62.1	190	240	ug/Kg
110-86-1	Pyridine	1100		57.1	93	120	ug/Kg
100-52-7	Benzaldehyde	340		130	190	240	ug/Kg
62-53-3	Aniline	830		69.3	93	120	ug/Kg
108-95-2	Phenol	1100		59.3	93	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		59.9	93	120	ug/Kg
95-57-8	2-Chlorophenol	1100		59.7	93	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		60.5	93	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1100		61.5	93	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1100		61.9	93	120	ug/Kg
100-51-6	Benzyl Alcohol	1200		59.4	190	240	ug/Kg
95-48-7	2-Methylphenol	1200		57.6	93	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		65	93	120	ug/Kg
98-86-2	Acetophenone	1200		62.1	93	120	ug/Kg
65794-96-9	3+4-Methylphenols	1100		57.1	190	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1200		28.8	57.2	57.2	ug/Kg
67-72-1	Hexachloroethane	1100		59.4	93	120	ug/Kg
98-95-3	Nitrobenzene	1100		64.9	93	120	ug/Kg
78-59-1	Isophorone	1200		60.5	93	120	ug/Kg
88-75-5	2-Nitrophenol	1200		67.6	93	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		66.7	93	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1200		61.4	93	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		54	93	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100		61.1	93	120	ug/Kg
65-85-0	Benzoic acid	1100		170	190	240	ug/Kg
91-20-3	Naphthalene	1100		59.1	93	120	ug/Kg
106-47-8	4-Chloroaniline	280		59.1	93	120	ug/Kg
87-68-3	Hexachlorobutadiene	1100		59.6	93	120	ug/Kg

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	RW-1MSD	SDG No.:	BF091624
Lab Sample ID:	P3947-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BF139385.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1100		62.1	190	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		55.4	93	120	ug/Kg
91-57-6	2-Methylnaphthalene	1100		59	93	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2500	E	110	190	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		51.1	93	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1200		52.9	93	120	ug/Kg
92-52-4	1,1-Biphenyl	1200		62.5	93	120	ug/Kg
91-58-7	2-Chloronaphthalene	1200		59.6	93	120	ug/Kg
88-74-4	2-Nitroaniline	1200		67.9	93	120	ug/Kg
131-11-3	Dimethylphthalate	1300		58.4	93	120	ug/Kg
208-96-8	Acenaphthylene	1200		61.9	93	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		59.5	93	120	ug/Kg
99-09-2	3-Nitroaniline	760		63.8	93	120	ug/Kg
83-32-9	Acenaphthene	1200		58	93	120	ug/Kg
Total PAH	Total PAH	20800		947.9	93	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	1500		170	190	240	ug/Kg
100-02-7	4-Nitrophenol	1900		83	190	240	ug/Kg
132-64-9	Dibenzofuran	1100		60.4	93	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		61.6	93	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2200		121.1	93	240	ug/Kg
84-66-2	Diethylphthalate	1200		57.3	93	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		61.2	93	120	ug/Kg
86-73-7	Fluorene	1100		61.1	93	120	ug/Kg
100-01-6	4-Nitroaniline	850		76.5	93	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	970		83.7	190	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		58.4	93	120	ug/Kg
103-33-3	Azobenzene	1200		56.9	93	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		56.4	93	120	ug/Kg
118-74-1	Hexachlorobenzene	1200		60.8	93	120	ug/Kg
1912-24-9	Atrazine	1800		65.4	93	120	ug/Kg

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	RW-1MSD	SDG No.:	BF091624
Lab Sample ID:	P3947-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BF139385.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2400	E	55.3	190	240	ug/Kg
85-01-8	Phenanthrene	1600		60.1	93	120	ug/Kg
120-12-7	Anthracene	1300		60.4	93	120	ug/Kg
86-74-8	Carbazole	1200		57.4	93	120	ug/Kg
84-74-2	Di-n-butylphthalate	1300		60.3	93	120	ug/Kg
206-44-0	Fluoranthene	1600		58.4	93	120	ug/Kg
92-87-5	Benzidine	1400		120	190	240	ug/Kg
129-00-0	Pyrene	1600		59.4	93	120	ug/Kg
85-68-7	Butylbenzylphthalate	1400		69.2	93	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	860		70.5	190	240	ug/Kg
56-55-3	Benzo(a)anthracene	1400		57.7	93	120	ug/Kg
218-01-9	Chrysene	1400		56.9	93	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		65.1	93	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		78.7	190	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		58	93	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		59.1	93	120	ug/Kg
50-32-8	Benzo(a)pyrene	1400		66.5	93	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		55.9	93	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		58.1	93	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1000		57.3	93	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		62.1	93	120	ug/Kg
123-91-1	1,4-Dioxane	960		78.7	93	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		53.4	93	120	ug/Kg
90-12-0	1-Methylnaphthalene	1100		59.5	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	117.708		18-112		78	SPK: -150
13127-88-3	Phenol-d6	116.584		15-107		78	SPK: -150
4165-60-0	Nitrobenzene-d5	84.741		18-107		85	SPK: -100
321-60-8	2-Fluorobiphenyl	83.956		20-109		84	SPK: -100

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	RW-1MSD	SDG No.:	BF091624
Lab Sample ID:	P3947-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BF139385.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	102.767		10-116		69	SPK: -150
1718-51-0	Terphenyl-d14	74.068		10-105		74	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	58657	6.881				
1146-65-2	Naphthalene-d8	210860	8.163				
15067-26-2	Acenaphthene-d10	103397	9.916				
1517-22-2	Phenanthrene-d10	155991	11.398				
1719-03-5	Chrysene-d12	92472	14.033				
1520-96-3	Perylene-d12	73636	15.498				

Report of Analysis

Client:		Date Collected:	9/9/2024 12:00:00 AM
Project:		Date Received:	9/9/2024 12:00:00 AM
Client Sample ID:	DN-B-33	SDG No.:	BF091624
Lab Sample ID:	P3930-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139386.D	1	9/11/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163293

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	97.5	U	97.5	300	370	ug/Kg
110-86-1	Pyridine	89.7	U	89.7	150	190	ug/Kg
100-52-7	Benzaldehyde	200	U	200	300	370	ug/Kg
62-53-3	Aniline	110	U	110	150	190	ug/Kg
108-95-2	Phenol	93.1	U	93.1	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	94	U	94	150	190	ug/Kg
95-57-8	2-Chlorophenol	93.8	U	93.8	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	95	U	95	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	96.6	U	96.6	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	97.1	U	97.1	150	190	ug/Kg
100-51-6	Benzyl Alcohol	93.2	U	93.2	300	370	ug/Kg
95-48-7	2-Methylphenol	90.5	U	90.5	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	150	190	ug/Kg
98-86-2	Acetophenone	97.6	U	97.6	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	89.6	U	89.6	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	45.3	U	45.3	89.8	89.8	ug/Kg
67-72-1	Hexachloroethane	93.2	U	93.2	150	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	150	190	ug/Kg
78-59-1	Isophorone	95	U	95	150	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	96.3	U	96.3	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	84.8	U	84.8	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	95.9	U	95.9	150	190	ug/Kg
65-85-0	Benzoic acid	270	U	270	300	370	ug/Kg
91-20-3	Naphthalene	92.7	U	92.7	150	190	ug/Kg
106-47-8	4-Chloroaniline	92.7	U	92.7	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	93.5	U	93.5	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	9/9/2024 12:00:00 AM
Project:		Date Received:	9/9/2024 12:00:00 AM
Client Sample ID:	DN-B-33	SDG No.:	BF091624
Lab Sample ID:	P3930-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139386.D	1	9/11/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163293

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	97.5	U	97.5	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	87	U	87	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	92.6	U	92.6	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	80.2	U	80.2	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	83.1	U	83.1	150	190	ug/Kg
92-52-4	1,1-Biphenyl	98.1	U	98.1	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	93.5	U	93.5	150	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	190	ug/Kg
131-11-3	Dimethylphthalate	91.7	U	91.7	150	190	ug/Kg
208-96-8	Acenaphthylene	97.1	U	97.1	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	93.4	U	93.4	150	190	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	150	190	ug/Kg
83-32-9	Acenaphthene	91.1	U	91.1	150	190	ug/Kg
Total PAH	Total PAH	1483.4	U	1483.4	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	300	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	370	ug/Kg
132-64-9	Dibenzofuran	94.8	U	94.8	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	190.2	U	190.2	150	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	96.8	U	96.8	150	190	ug/Kg
84-66-2	Diethylphthalate	89.9	U	89.9	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	96.1	U	96.1	150	190	ug/Kg
86-73-7	Fluorene	96	U	96	150	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	91.6	U	91.6	150	190	ug/Kg
103-33-3	Azobenzene	89.4	U	89.4	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	88.6	U	88.6	150	190	ug/Kg
118-74-1	Hexachlorobenzene	95.4	U	95.4	150	190	ug/Kg
1912-24-9	Atrazine	100	U	100	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	9/9/2024 12:00:00 AM
Project:		Date Received:	9/9/2024 12:00:00 AM
Client Sample ID:	DN-B-33	SDG No.:	BF091624
Lab Sample ID:	P3930-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139386.D	1	9/11/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163293

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	86.8	U	86.8	300	370	ug/Kg
85-01-8	Phenanthrene	94.3	U	94.3	150	190	ug/Kg
120-12-7	Anthracene	94.8	U	94.8	150	190	ug/Kg
86-74-8	Carbazole	90.2	U	90.2	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	94.7	U	94.7	150	190	ug/Kg
206-44-0	Fluoranthene	91.7	U	91.7	150	190	ug/Kg
92-87-5	Benzidine	180	U	180	300	370	ug/Kg
129-00-0	Pyrene	93.2	U	93.2	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	90.6	U	90.6	150	190	ug/Kg
218-01-9	Chrysene	89.3	U	89.3	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	91.1	U	91.1	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	92.7	U	92.7	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	87.7	U	87.7	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	91.2	U	91.2	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	89.9	U	89.9	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	97.5	U	97.5	150	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	83.9	U	83.9	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	93.4	U	93.4	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	78.622		18-112		52	SPK: -150
13127-88-3	Phenol-d6	77.75		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	55.027		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	60.657		20-109		61	SPK: -100

Report of Analysis

Client:		Date Collected:	9/9/2024 12:00:00 AM
Project:		Date Received:	9/9/2024 12:00:00 AM
Client Sample ID:	DN-B-33	SDG No.:	BF091624
Lab Sample ID:	P3930-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
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
BF139386.D	1	9/11/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163293

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	68.078		10-116		45	SPK: -150
1718-51-0	Terphenyl-d14	58.675		10-105		59	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	58262	6.875				
1146-65-2	Naphthalene-d8	211974	8.157				
15067-26-2	Acenaphthene-d10	101610	9.91				
1517-22-2	Phenanthrene-d10	154165	11.392				
1719-03-5	Chrysene-d12	95887	14.027				
1520-96-3	Perylene-d12	74008	15.498				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1900	J			2.181	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	150	A			5.093	
000119-61-9	Benzophenone	160	J			10.622	
000057-10-3	n-Hexadecanoic acid	430	J			11.916	
000886-66-8	Benzene, 1,1-(1,3-butadiyne-1,4-d	82.3	J			12.604	
	unknown13.451	130	J			13.451	
001599-67-3	1-Docosene	270	J			13.874	
002425-77-6	1-Decanol, 2-hexyl-	180	J			14.504	
1000163-04-7	Docosa-2,6,10,14,18-pentaen-22-al,	150	J			14.88	
000638-66-4	Octadecanal	100	J			14.951	
001560-98-1	Octacosane, 2-methyl-	250	J			15.145	
032663-71-1	8-Azabicyclo[3.2.1]octan-3-ol, 8-m	130	J			15.733	
007098-22-8	Tetratetracontane	230	J			15.968	
112248-30-3	Eicosen-1-ol, cis-9-	88.3	J			16.774	
072747-25-2	1H-Cycloprop[e]azulene, decahydro-	770	J			17.145	
	unknown17.480	110	J			17.48	
	unknown17.980	100	J			17.98	
	unknown18.592	82	J			18.592	

Report of Analysis

Client:		Date Collected:	9/9/2024 12:00:00 AM
Project:		Date Received:	9/9/2024 12:00:00 AM
Client Sample ID:	DN-B-34RE	SDG No.:	BF091624
Lab Sample ID:	P3930-02RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.7
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139387.D	1	9/11/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163293

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	91.9	U	91.9	290	350	ug/Kg
110-86-1	Pyridine	84.6	U	84.6	140	180	ug/Kg
100-52-7	Benzaldehyde	190	U	190	290	350	ug/Kg
62-53-3	Aniline	100	U	100	140	180	ug/Kg
108-95-2	Phenol	87.8	U	87.8	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	88.6	U	88.6	140	180	ug/Kg
95-57-8	2-Chlorophenol	88.4	U	88.4	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	89.6	U	89.6	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	91.1	U	91.1	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	91.6	U	91.6	140	180	ug/Kg
100-51-6	Benzyl Alcohol	87.9	U	87.9	290	350	ug/Kg
95-48-7	2-Methylphenol	85.4	U	85.4	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	96.3	U	96.3	140	180	ug/Kg
98-86-2	Acetophenone	92	U	92	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	84.5	U	84.5	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.7	U	42.7	84.7	84.7	ug/Kg
67-72-1	Hexachloroethane	87.9	U	87.9	140	180	ug/Kg
98-95-3	Nitrobenzene	96.2	U	96.2	140	180	ug/Kg
78-59-1	Isophorone	89.6	U	89.6	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	98.7	U	98.7	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	90.9	U	90.9	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80	U	80	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	90.4	U	90.4	140	180	ug/Kg
65-85-0	Benzoic acid	250	U	250	290	350	ug/Kg
91-20-3	Naphthalene	87.5	U	87.5	140	180	ug/Kg
106-47-8	4-Chloroaniline	87.5	U	87.5	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	88.2	U	88.2	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	9/9/2024 12:00:00 AM
Project:		Date Received:	9/9/2024 12:00:00 AM
Client Sample ID:	DN-B-34RE	SDG No.:	BF091624
Lab Sample ID:	P3930-02RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139387.D	1	9/11/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163293

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	91.9	U	91.9	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.1	U	82.1	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	87.4	U	87.4	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.6	U	75.6	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	78.4	U	78.4	140	180	ug/Kg
92-52-4	1,1-Biphenyl	92.6	U	92.6	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	88.2	U	88.2	140	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	180	ug/Kg
131-11-3	Dimethylphthalate	86.5	U	86.5	140	180	ug/Kg
208-96-8	Acenaphthylene	91.6	U	91.6	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.1	U	88.1	140	180	ug/Kg
99-09-2	3-Nitroaniline	94.5	U	94.5	140	180	ug/Kg
83-32-9	Acenaphthene	85.9	U	85.9	140	180	ug/Kg
Total PAH	Total PAH	1403.4	U	1403.4	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	290	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	350	ug/Kg
132-64-9	Dibenzofuran	89.4	U	89.4	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	91.3	U	91.3	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	79.4	U	179.4	140	360	ug/Kg
84-66-2	Diethylphthalate	84.8	U	84.8	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.7	U	90.7	140	180	ug/Kg
86-73-7	Fluorene	90.5	U	90.5	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	86.4	U	86.4	140	180	ug/Kg
103-33-3	Azobenzene	84.3	U	84.3	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	83.6	U	83.6	140	180	ug/Kg
118-74-1	Hexachlorobenzene	90	U	90	140	180	ug/Kg
1912-24-9	Atrazine	96.8	U	96.8	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	9/9/2024 12:00:00 AM
Project:		Date Received:	9/9/2024 12:00:00 AM
Client Sample ID:	DN-B-34RE	SDG No.:	BF091624
Lab Sample ID:	P3930-02RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139387.D	1	9/11/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163293

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	81.9	U	81.9	290	350	ug/Kg
85-01-8	Phenanthrene	89	U	89	140	180	ug/Kg
120-12-7	Anthracene	89.4	U	89.4	140	180	ug/Kg
86-74-8	Carbazole	85	U	85	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	89.3	U	89.3	140	180	ug/Kg
206-44-0	Fluoranthene	86.5	U	86.5	140	180	ug/Kg
92-87-5	Benzidine	170	U	170	290	350	ug/Kg
129-00-0	Pyrene	87.9	U	87.9	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	85.5	U	85.5	140	180	ug/Kg
218-01-9	Chrysene	84.2	U	84.2	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	96.4	U	96.4	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	85.9	U	85.9	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	87.5	U	87.5	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	98.5	U	98.5	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82.7	U	82.7	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86	U	86	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	84.8	U	84.8	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.9	U	91.9	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.1	U	79.1	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	88.1	U	88.1	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	15.434	*	18-112		10	SPK: -150
13127-88-3	Phenol-d6	15.933	*	15-107		11	SPK: -150
4165-60-0	Nitrobenzene-d5	11.961	*	18-107		12	SPK: -100
321-60-8	2-Fluorobiphenyl	13.644	*	20-109		14	SPK: -100

Report of Analysis

Client:		Date Collected:	9/9/2024 12:00:00 AM
Project:		Date Received:	9/9/2024 12:00:00 AM
Client Sample ID:	DN-B-34RE	SDG No.:	BF091624
Lab Sample ID:	P3930-02RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139387.D	1	9/11/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163293

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	13.423	*	10-116		9	SPK: -150
1718-51-0	Terphenyl-d14	12.395		10-105		12	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	61129	6.875				
1146-65-2	Naphthalene-d8	214178	8.157				
15067-26-2	Acenaphthene-d10	102446	9.91				
1517-22-2	Phenanthrene-d10	155404	11.392				
1719-03-5	Chrysene-d12	102170	14.027				
1520-96-3	Perylene-d12	75259	15.498				

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	TR-04-091124	SDG No.:	BF091624
Lab Sample ID:	P3962-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.8
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139388.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	54.7	U	54.7	170	210	ug/Kg
110-86-1	Pyridine	50.3	U	50.3	81.9	110	ug/Kg
100-52-7	Benzaldehyde	110	U	110	170	210	ug/Kg
62-53-3	Aniline	61	U	61	81.9	110	ug/Kg
108-95-2	Phenol	52.2	U	52.2	81.9	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	52.7	U	52.7	81.9	110	ug/Kg
95-57-8	2-Chlorophenol	52.6	U	52.6	81.9	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	53.3	U	53.3	81.9	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	54.2	U	54.2	81.9	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	54.5	U	54.5	81.9	110	ug/Kg
100-51-6	Benzyl Alcohol	52.3	U	52.3	170	210	ug/Kg
95-48-7	2-Methylphenol	50.8	U	50.8	81.9	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	57.3	U	57.3	81.9	110	ug/Kg
98-86-2	Acetophenone	54.7	U	54.7	81.9	110	ug/Kg
65794-96-9	3+4-Methylphenols	50.3	U	50.3	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	25.4	U	25.4	50.4	50.4	ug/Kg
67-72-1	Hexachloroethane	52.3	U	52.3	81.9	110	ug/Kg
98-95-3	Nitrobenzene	57.2	U	57.2	81.9	110	ug/Kg
78-59-1	Isophorone	53.3	U	53.3	81.9	110	ug/Kg
88-75-5	2-Nitrophenol	59.5	U	59.5	81.9	110	ug/Kg
105-67-9	2,4-Dimethylphenol	58.7	U	58.7	81.9	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	54.1	U	54.1	81.9	110	ug/Kg
120-83-2	2,4-Dichlorophenol	47.6	U	47.6	81.9	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	53.8	U	53.8	81.9	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	52	U	52	81.9	110	ug/Kg
106-47-8	4-Chloroaniline	52	U	52	81.9	110	ug/Kg
87-68-3	Hexachlorobutadiene	52.5	U	52.5	81.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	TR-04-091124	SDG No.:	BF091624
Lab Sample ID:	P3962-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.8
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139388.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	54.7	U	54.7	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	48.8	U	48.8	81.9	110	ug/Kg
91-57-6	2-Methylnaphthalene	52	U	52	81.9	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	98.3	U	98.3	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	45	U	45	81.9	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	46.6	U	46.6	81.9	110	ug/Kg
92-52-4	1,1-Biphenyl	55.1	U	55.1	81.9	110	ug/Kg
91-58-7	2-Chloronaphthalene	52.5	U	52.5	81.9	110	ug/Kg
88-74-4	2-Nitroaniline	59.9	U	59.9	81.9	110	ug/Kg
131-11-3	Dimethylphthalate	51.5	U	51.5	81.9	110	ug/Kg
208-96-8	Acenaphthylene	54.5	U	54.5	81.9	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	52.4	U	52.4	81.9	110	ug/Kg
99-09-2	3-Nitroaniline	56.2	U	56.2	81.9	110	ug/Kg
83-32-9	Acenaphthene	51.1	U	51.1	81.9	110	ug/Kg
Total PAH	Total PAH	834.9	U	834.9	81.9	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	170	210	ug/Kg
100-02-7	4-Nitrophenol	73.1	U	73.1	170	210	ug/Kg
132-64-9	Dibenzofuran	53.2	U	53.2	81.9	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.3	U	54.3	81.9	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	106.7	U	106.7	81.9	220	ug/Kg
84-66-2	Diethylphthalate	50.5	U	50.5	81.9	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	53.9	U	53.9	81.9	110	ug/Kg
86-73-7	Fluorene	53.9	U	53.9	81.9	110	ug/Kg
100-01-6	4-Nitroaniline	67.4	U	67.4	81.9	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	73.7	U	73.7	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	51.4	U	51.4	81.9	110	ug/Kg
103-33-3	Azobenzene	50.1	U	50.1	81.9	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	49.7	U	49.7	81.9	110	ug/Kg
118-74-1	Hexachlorobenzene	53.6	U	53.6	81.9	110	ug/Kg
1912-24-9	Atrazine	57.6	U	57.6	81.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	TR-04-091124	SDG No.:	BF091624
Lab Sample ID:	P3962-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.8
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139388.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	48.7	U	48.7	170	210	ug/Kg
85-01-8	Phenanthrene	52.9	U	52.9	81.9	110	ug/Kg
120-12-7	Anthracene	53.2	U	53.2	81.9	110	ug/Kg
86-74-8	Carbazole	50.6	U	50.6	81.9	110	ug/Kg
84-74-2	Di-n-butylphthalate	53.1	U	53.1	81.9	110	ug/Kg
206-44-0	Fluoranthene	89.9	J	51.5	81.9	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	110		52.3	81.9	110	ug/Kg
85-68-7	Butylbenzylphthalate	61	U	61	81.9	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	62.1	U	62.1	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	62.9	J	50.8	81.9	110	ug/Kg
218-01-9	Chrysene	75.3	J	50.1	81.9	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	57.3	U	57.3	81.9	110	ug/Kg
117-84-0	Di-n-octyl phthalate	69.3	U	69.3	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	91.1	J	51.1	81.9	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	52	U	52	81.9	110	ug/Kg
50-32-8	Benzo(a)pyrene	83.3	J	58.6	81.9	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	49.2	U	49.2	81.9	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	51.2	U	51.2	81.9	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	66.6	J	50.5	81.9	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	54.7	U	54.7	81.9	110	ug/Kg
123-91-1	1,4-Dioxane	69.3	U	69.3	81.9	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.1	U	47.1	81.9	110	ug/Kg
90-12-0	1-Methylnaphthalene	52.4	U	52.4	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	96.222		18-112		64	SPK: -150
13127-88-3	Phenol-d6	95.798		15-107		64	SPK: -150
4165-60-0	Nitrobenzene-d5	70.469		18-107		70	SPK: -100
321-60-8	2-Fluorobiphenyl	78.224		20-109		78	SPK: -100

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	TR-04-091124	SDG No.:	BF091624
Lab Sample ID:	P3962-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.8
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139388.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	84.78		10-116		57	SPK: -150
1718-51-0	Terphenyl-d14	78.968		10-105		79	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	55379	6.875				
1146-65-2	Naphthalene-d8	185754	8.157				
15067-26-2	Acenaphthene-d10	81288	9.91				
1517-22-2	Phenanthrene-d10	133329	11.392				
1719-03-5	Chrysene-d12	73618	14.027				
1520-96-3	Perylene-d12	59581	15.504				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1200	J			2.169	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	110	A			5.092	
003891-98-3	Dodecane, 2,6,10-trimethyl-	93.9	J			9.175	
000629-59-4	Tetradecane	230	J			9.31	
1000382-90-8	Carbonic acid, prop-1-en-2-yl trid	210	J			9.627	
000629-78-7	Heptadecane	240	J			9.839	
	unknown10.004	180	J			10.004	
000544-76-3	Hexadecane	260	J			10.339	
000646-31-1	Tetracosane	220	J			10.557	
000119-61-9	Benzophenone	200	J			10.621	
000629-50-5	Tridecane	570	J			10.816	
000593-45-3	Octadecane	320	J			11.257	
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	180	J			11.286	
055045-10-8	Tridecane, 6-propyl-	260	J			11.686	
000057-10-3	n-Hexadecanoic acid	200	J			11.922	
000629-62-9	Pentadecane	220	J			12.092	
000629-92-5	Nonadecane	210	J			12.48	
000112-95-8	Eicosane	210	J			13.21	
000629-94-7	Heneicosane	100	J			13.551	

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	TR-04-091124	SDG No.:	BF091624
Lab Sample ID:	P3962-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.8
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139388.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1000342-70-4	1-Octadecanesulphonyl chloride	230	J			13.88	

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	RW-2	SDG No.:	BF091624
Lab Sample ID:	P3976-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.9
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
BF139389.D	1	9/13/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163372

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	59	U	59	180	220	ug/Kg
110-86-1	Pyridine	54.4	U	54.4	88.4	120	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	65.9	U	65.9	88.4	120	ug/Kg
108-95-2	Phenol	56.4	U	56.4	88.4	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	56.9	U	56.9	88.4	120	ug/Kg
95-57-8	2-Chlorophenol	56.8	U	56.8	88.4	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	57.5	U	57.5	88.4	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	58.5	U	58.5	88.4	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	58.8	U	58.8	88.4	120	ug/Kg
100-51-6	Benzyl Alcohol	56.5	U	56.5	180	220	ug/Kg
95-48-7	2-Methylphenol	54.8	U	54.8	88.4	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	61.8	U	61.8	88.4	120	ug/Kg
98-86-2	Acetophenone	59.1	U	59.1	88.4	120	ug/Kg
65794-96-9	3+4-Methylphenols	54.3	U	54.3	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27.4	U	27.4	54.4	54.4	ug/Kg
67-72-1	Hexachloroethane	56.5	U	56.5	88.4	120	ug/Kg
98-95-3	Nitrobenzene	61.8	U	61.8	88.4	120	ug/Kg
78-59-1	Isophorone	57.5	U	57.5	88.4	120	ug/Kg
88-75-5	2-Nitrophenol	64.3	U	64.3	88.4	120	ug/Kg
105-67-9	2,4-Dimethylphenol	63.4	U	63.4	88.4	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.4	U	58.4	88.4	120	ug/Kg
120-83-2	2,4-Dichlorophenol	51.4	U	51.4	88.4	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	58.1	U	58.1	88.4	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	56.2	U	56.2	88.4	120	ug/Kg
106-47-8	4-Chloroaniline	56.2	U	56.2	88.4	120	ug/Kg
87-68-3	Hexachlorobutadiene	56.7	U	56.7	88.4	120	ug/Kg

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	RW-2	SDG No.:	BF091624
Lab Sample ID:	P3976-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.9
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
BF139389.D	1	9/13/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163372

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	59	U	59	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.7	U	52.7	88.4	120	ug/Kg
91-57-6	2-Methylnaphthalene	56.1	U	56.1	88.4	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48.6	U	48.6	88.4	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	50.3	U	50.3	88.4	120	ug/Kg
92-52-4	1,1-Biphenyl	59.5	U	59.5	88.4	120	ug/Kg
91-58-7	2-Chloronaphthalene	56.7	U	56.7	88.4	120	ug/Kg
88-74-4	2-Nitroaniline	64.6	U	64.6	88.4	120	ug/Kg
131-11-3	Dimethylphthalate	55.6	U	55.6	88.4	120	ug/Kg
208-96-8	Acenaphthylene	88.6	J	58.8	88.4	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	56.6	U	56.6	88.4	120	ug/Kg
99-09-2	3-Nitroaniline	60.7	U	60.7	88.4	120	ug/Kg
83-32-9	Acenaphthene	70.7	J	55.2	88.4	120	ug/Kg
Total PAH	Total PAH	8790.3		901.5	88.4	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	180	220	ug/Kg
100-02-7	4-Nitrophenol	78.9	U	78.9	180	220	ug/Kg
132-64-9	Dibenzofuran	57.4	U	57.4	88.4	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	15.2	U	115.2	88.4	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.6	U	58.6	88.4	120	ug/Kg
84-66-2	Diethylphthalate	54.5	U	54.5	88.4	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	58.2	U	58.2	88.4	120	ug/Kg
86-73-7	Fluorene	100	J	58.2	88.4	120	ug/Kg
100-01-6	4-Nitroaniline	72.8	U	72.8	88.4	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	79.6	U	79.6	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.5	U	55.5	88.4	120	ug/Kg
103-33-3	Azobenzene	54.1	U	54.1	88.4	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53.7	U	53.7	88.4	120	ug/Kg
118-74-1	Hexachlorobenzene	57.8	U	57.8	88.4	120	ug/Kg
1912-24-9	Atrazine	62.2	U	62.2	88.4	120	ug/Kg

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	RW-2	SDG No.:	BF091624
Lab Sample ID:	P3976-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.9
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
BF139389.D	1	9/13/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163372

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	52.6	U	52.6	180	220	ug/Kg
85-01-8	Phenanthrene	1300		57.1	88.4	120	ug/Kg
120-12-7	Anthracene	180		57.4	88.4	120	ug/Kg
86-74-8	Carbazole	83.6	J	54.6	88.4	120	ug/Kg
84-74-2	Di-n-butylphthalate	57.3	U	57.3	88.4	120	ug/Kg
206-44-0	Fluoranthene	1700		55.6	88.4	120	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	1700		56.5	88.4	120	ug/Kg
85-68-7	Butylbenzylphthalate	65.8	U	65.8	88.4	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	67.1	U	67.1	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	730		54.9	88.4	120	ug/Kg
218-01-9	Chrysene	740		54.1	88.4	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	61.9	U	61.9	88.4	120	ug/Kg
117-84-0	Di-n-octyl phthalate	74.8	U	74.8	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	720		55.2	88.4	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	240		56.2	88.4	120	ug/Kg
50-32-8	Benzo(a)pyrene	610		63.3	88.4	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	240		53.1	88.4	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81	J	55.2	88.4	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	290		54.5	88.4	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59	U	59	88.4	120	ug/Kg
123-91-1	1,4-Dioxane	74.8	U	74.8	88.4	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.8	U	50.8	88.4	120	ug/Kg
90-12-0	1-Methylnaphthalene	56.6	U	56.6	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.305		18-112		56	SPK: -150
13127-88-3	Phenol-d6	82.596		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	60.446		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	63.951		20-109		64	SPK: -100

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	RW-2	SDG No.:	BF091624
Lab Sample ID:	P3976-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.9
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
BF139389.D	1	9/13/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163372

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	77.182		10-116		51	SPK: -150
1718-51-0	Terphenyl-d14	63.033		10-105		63	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	54815	6.881				
1146-65-2	Naphthalene-d8	188948	8.157				
15067-26-2	Acenaphthene-d10	86424	9.91				
1517-22-2	Phenanthrene-d10	141454	11.398				
1719-03-5	Chrysene-d12	73207	14.033				
1520-96-3	Perylene-d12	65831	15.504				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1100	J			2.175	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	99.8	A			5.092	
001430-97-3	9H-Fluorene, 2-methyl-	100	J			11.004	
000234-41-3	Naphtho[1,2-b]thiophene	110	J			11.292	
007372-88-5	Dibenzothiophene, 4-methyl-	130	J			11.727	
000832-69-9	Phenanthrene, 1-methyl-	350	J			11.898	
000613-12-7	Anthracene, 2-methyl-	460	J			11.922	
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	690	J			12.01	
006572-60-7	Tricyclo[8.2.2.2(4,7)]hexadeca-2,4	190	J			12.192	
000084-65-1	9,10-Anthracenedione	230	J			12.216	
001576-67-6	Phenanthrene, 3,6-dimethyl-	110	J			12.339	
000781-43-1	9,10-Dimethylanthracene	320	J			12.445	
	unknown	150	J			12.48	
005737-13-3	Cyclopenta(def)phenanthrenone	130	J			12.533	
002381-21-7	Pyrene, 1-methyl-	140	J			13.057	
000238-84-6	11H-Benzo[a]fluorene	190	J			13.163	
033543-31-6	Fluoranthene, 2-methyl-	100	J			13.227	
003442-78-2	Pyrene, 2-methyl-	120	J			13.268	
022108-55-0	Anthra(2,3-b)thiophene	110	J			13.78	

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	RW-2	SDG No.:	BF091624
Lab Sample ID:	P3976-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.9
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
		Level :	LOW
Injection Volume :		Decanted :	
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139389.D	1	9/13/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163372

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000192-97-2	Benzo[e]pyrene	450	J			15.374	

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	EO-03-091224	SDG No.:	BF091624
Lab Sample ID:	P3979-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.6
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
BF139390.D	2	9/13/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163372

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	350	430	ug/Kg
110-86-1	Pyridine	100	U	100	170	220	ug/Kg
100-52-7	Benzaldehyde	240	U	240	350	430	ug/Kg
62-53-3	Aniline	130	U	130	170	220	ug/Kg
108-95-2	Phenol	110	U	110	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	170	220	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	170	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	170	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	170	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	170	220	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	350	430	ug/Kg
95-48-7	2-Methylphenol	100	U	100	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	170	220	ug/Kg
98-86-2	Acetophenone	110	U	110	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	350	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	52.3	U	52.3	100	100	ug/Kg
67-72-1	Hexachloroethane	110	U	110	170	220	ug/Kg
98-95-3	Nitrobenzene	120	U	120	170	220	ug/Kg
78-59-1	Isophorone	110	U	110	170	220	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	98	U	98	170	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	170	220	ug/Kg
65-85-0	Benzoic acid	310	U	310	350	430	ug/Kg
91-20-3	Naphthalene	110	U	110	170	220	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	EO-03-091224	SDG No.:	BF091624
Lab Sample ID:	P3979-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.6
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
BF139390.D	2	9/13/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163372

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	350	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	100	U	100	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	170	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	350	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	92.7	U	92.7	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	96	U	96	170	220	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	170	220	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	170	220	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	170	220	ug/Kg
208-96-8	Acenaphthylene	110	U	110	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	170	220	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	170	220	ug/Kg
83-32-9	Acenaphthene	110	U	110	170	220	ug/Kg
Total PAH	Total PAH	12320		1730	170	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	320	U	320	350	430	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	350	430	ug/Kg
132-64-9	Dibenzofuran	110	U	110	170	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	170	440	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	170	220	ug/Kg
84-66-2	Diethylphthalate	100	U	100	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	170	220	ug/Kg
86-73-7	Fluorene	120	J	110	170	220	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	350	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	170	220	ug/Kg
103-33-3	Azobenzene	100	U	100	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	170	220	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	170	220	ug/Kg
1912-24-9	Atrazine	120	U	120	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	EO-03-091224	SDG No.:	BF091624
Lab Sample ID:	P3979-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.6
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
BF139390.D	2	9/13/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163372

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	100	U	100	350	430	ug/Kg
85-01-8	Phenanthrene	1200		110	170	220	ug/Kg
120-12-7	Anthracene	410		110	170	220	ug/Kg
86-74-8	Carbazole	150	J	100	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	170	220	ug/Kg
206-44-0	Fluoranthene	2200		110	170	220	ug/Kg
92-87-5	Benzidine	210	U	210	350	430	ug/Kg
129-00-0	Pyrene	2300		110	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	130	350	430	ug/Kg
56-55-3	Benzo(a)anthracene	1100		100	170	220	ug/Kg
218-01-9	Chrysene	1000		100	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	350	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		110	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	520		110	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	1100		120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	460		100	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	J	110	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	570		100	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	170	220	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	97	U	97	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	77.966		18-112		52	SPK: -150
13127-88-3	Phenol-d6	76.148		15-107		51	SPK: -150
4165-60-0	Nitrobenzene-d5	57.694		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	62.566		20-109		63	SPK: -100

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	EO-03-091224	SDG No.:	BF091624
Lab Sample ID:	P3979-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.6
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
BF139390.D	2	9/13/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163372

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	70.632		10-116		47	SPK: -150
1718-51-0	Terphenyl-d14	65.612		10-105		66	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	65717	6.881				
1146-65-2	Naphthalene-d8	214184	8.163				
15067-26-2	Acenaphthene-d10	96544	9.91				
1517-22-2	Phenanthrene-d10	164012	11.398				
1719-03-5	Chrysene-d12	83667	14.033				
1520-96-3	Perylene-d12	75424	15.509				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	990	J			2.14	
000770-35-4	1-Phenoxypropan-2-ol	110	J			8.469	
000112-40-3	Dodecane	110	J			9.31	
000544-76-3	Hexadecane	130	J			9.839	
000629-78-7	Heptadecane	180	J			10.339	
000629-50-5	Tridecane	93.5	J			10.557	
000119-61-9	Benzophenone	94.3	J			10.616	
004292-19-7	Dodecane, 1-iodo-	270	J			10.816	
000629-62-9	Pentadecane	170	J			11.257	
000132-65-0	Dibenzothiophene	150	J			11.292	
000630-02-4	Octacosane	140	J			11.686	
000112-39-0	Hexadecanoic acid, methyl ester	220	J			11.786	
000949-41-7	1H-Cyclopropa[1]phenanthrene,1a,9b	640	J			11.921	
000203-64-5	4H-Cyclopenta[def]phenanthrene	440	J			12.01	
000629-92-5	Nonadecane	98.6	J			12.092	
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	96.9	J			12.192	
000781-43-1	9,10-Dimethylanthracene	150	J			12.445	
001937-62-8	9-Octadecenoic acid, methyl ester,	970	J			12.492	
000057-11-4	Octadecanoic acid	92.2	J			12.704	

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	EO-03-091224	SDG No.:	BF091624
Lab Sample ID:	P3979-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.6
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
BF139390.D	2	9/13/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163372

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
002381-21-7	Pyrene, 1-methyl-	140	J			13.163	

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	HD-02-091224	SDG No.:	BF091624
Lab Sample ID:	P3980-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.3
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
BF139391.D	2	9/13/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163372

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	350	420	ug/Kg
110-86-1	Pyridine	100	U	100	170	220	ug/Kg
100-52-7	Benzaldehyde	230	U	230	350	420	ug/Kg
62-53-3	Aniline	120	U	120	170	220	ug/Kg
108-95-2	Phenol	110	U	110	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	170	220	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	170	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	170	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	170	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	170	220	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	350	420	ug/Kg
95-48-7	2-Methylphenol	100	U	100	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	170	220	ug/Kg
98-86-2	Acetophenone	110	U	110	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	350	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.5	U	51.5	100	100	ug/Kg
67-72-1	Hexachloroethane	110	U	110	170	220	ug/Kg
98-95-3	Nitrobenzene	120	U	120	170	220	ug/Kg
78-59-1	Isophorone	110	U	110	170	220	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	96.6	U	96.6	170	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	170	220	ug/Kg
65-85-0	Benzoic acid	300	U	300	350	420	ug/Kg
91-20-3	Naphthalene	110	U	110	170	220	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	HD-02-091224	SDG No.:	BF091624
Lab Sample ID:	P3980-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.3
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
BF139391.D	2	9/13/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163372

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	350	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	99.1	U	99.1	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	170	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	350	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	91.3	U	91.3	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	94.6	U	94.6	170	220	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	170	220	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	170	220	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	170	220	ug/Kg
208-96-8	Acenaphthylene	110	U	110	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	170	220	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	170	220	ug/Kg
83-32-9	Acenaphthene	380		100	170	220	ug/Kg
Total PAH	Total PAH	24860		1689.9	170	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	310	350	420	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	350	420	ug/Kg
132-64-9	Dibenzofuran	190	J	110	170	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	170	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	170	440	ug/Kg
84-66-2	Diethylphthalate	100	U	100	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	170	220	ug/Kg
86-73-7	Fluorene	360		110	170	220	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	350	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	170	220	ug/Kg
103-33-3	Azobenzene	100	U	100	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	170	220	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	170	220	ug/Kg
1912-24-9	Atrazine	120	U	120	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	HD-02-091224	SDG No.:	BF091624
Lab Sample ID:	P3980-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.3
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
BF139391.D	2	9/13/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163372

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	98.9	U	98.9	350	420	ug/Kg
85-01-8	Phenanthrene	2800		110	170	220	ug/Kg
120-12-7	Anthracene	900		110	170	220	ug/Kg
86-74-8	Carbazole	260		100	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	170	220	ug/Kg
206-44-0	Fluoranthene	4700	E	100	170	220	ug/Kg
92-87-5	Benzidine	210	U	210	350	420	ug/Kg
129-00-0	Pyrene	4400	E	110	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	130	350	420	ug/Kg
56-55-3	Benzo(a)anthracene	2100		100	170	220	ug/Kg
218-01-9	Chrysene	1800		100	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	350	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	2500		100	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	870		110	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	2100		120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	790		99.9	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	220		100	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	940		100	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	170	220	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	95.5	U	95.5	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	77.956		18-112		52	SPK: -150
13127-88-3	Phenol-d6	76		15-107		51	SPK: -150
4165-60-0	Nitrobenzene-d5	53.54		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	58.356		20-109		58	SPK: -100

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	HD-02-091224	SDG No.:	BF091624
Lab Sample ID:	P3980-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.3
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
BF139391.D	2	9/13/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163372

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	66.92		10-116		45	SPK: -150
1718-51-0	Terphenyl-d14	63.434		10-105		63	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	56046	6.881				
1146-65-2	Naphthalene-d8	187630	8.163				
15067-26-2	Acenaphthene-d10	87007	9.916				
1517-22-2	Phenanthrene-d10	140946	11.398				
1719-03-5	Chrysene-d12	73749	14.039				
1520-96-3	Perylene-d12	65180	15.51				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	950	J			2.14	
013287-21-3	Tridecane, 6-methyl-	560	J			9.31	
000581-40-8	Naphthalene, 2,3-dimethyl-	250	J			9.569	
1000383-25-6	Carbonic acid, nonyl vinyl ester	300	J			9.628	
000629-62-9	Pentadecane	830	J			9.839	
000544-76-3	Hexadecane	1100	J			10.339	
003892-00-0	Pentadecane, 2,6,10-trimethyl-	490	J			10.563	
000629-78-7	Heptadecane	2700	J			10.816	
	unknown11.004	250	J			11.004	
000593-45-3	Octadecane	1700	J			11.263	
000132-65-0	Dibenzothiophene	760	J			11.292	
000629-92-5	Nonadecane	1400	J			11.686	
000112-39-0	Hexadecanoic acid, methyl ester	760	J			11.786	
002531-84-2	Phenanthrene, 2-methyl-	260	J			11.898	
000057-10-3	n-Hexadecanoic acid	1100	J			11.928	
000613-12-7	Anthracene, 2-methyl-	230	J			11.98	
000203-64-5	4H-Cyclopenta[def]phenanthrene	1000	J			12.016	
000112-95-8	Eicosane	1100	J			12.098	
1010333-58-3	cis-13-Octadecenoic acid, methyl e	3400	J			12.492	

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	HD-02-091224	SDG No.:	BF091624
Lab Sample ID:	P3980-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.3
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
BF139391.D	2	9/13/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163372

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000192-97-2	Benzo[e]pyrene	1900	J			15.386	

Hit Summary Sheet SW-846

SDG No.: BF091624

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : PT-ACIDS-WP								
P3845-06	PT-ACIDS-WP	Water	2-Pentanone, 4-hydroxy-4-methyl *	7.300	A			
P3845-06	PT-ACIDS-WP	Water	Butane, 2-methoxy-2-methyl- *	98.500	J			
P3845-06	PT-ACIDS-WP	Water	Phenol, 2,6-dichloro- *	90.700	J			
			Total Tics :			196.50		
P3845-06	PT-ACIDS-WP	Water	2,3,4,6-Tetrachlorophenol	120.000	E	0.79	5	ug/L
P3845-06	PT-ACIDS-WP	Water	2,4,5-Trichlorophenol	59.000		1	5	ug/L
P3845-06	PT-ACIDS-WP	Water	2,4,6-Trichlorophenol	170.000	E	0.89	5	ug/L
P3845-06	PT-ACIDS-WP	Water	2,4-Dichlorophenol	56.400		0.88	5	ug/L
P3845-06	PT-ACIDS-WP	Water	2,4-Dimethylphenol	71.500		1.5	5	ug/L
P3845-06	PT-ACIDS-WP	Water	2,4-Dinitrophenol	180.000	E	6.4	10	ug/L
P3845-06	PT-ACIDS-WP	Water	2-Chlorophenol	160.000	E	0.71	5	ug/L
P3845-06	PT-ACIDS-WP	Water	2-Methylphenol	110.000	E	1.1	5	ug/L
P3845-06	PT-ACIDS-WP	Water	2-Nitrophenol	120.000	E	2	5	ug/L
P3845-06	PT-ACIDS-WP	Water	4,6-Dinitro-2-methylphenol	140.000	E	3.1	10	ug/L
P3845-06	PT-ACIDS-WP	Water	4-Chloro-3-methylphenol	150.000	E	0.84	5	ug/L
P3845-06	PT-ACIDS-WP	Water	4-Nitrophenol	170.000	E	2	10	ug/L
P3845-06	PT-ACIDS-WP	Water	Pentachlorophenol	43.300		1.9	10	ug/L
P3845-06	PT-ACIDS-WP	Water	Phenol	130.000	E	0.93	5	ug/L
			Total Svoc :			1,680.20		
			Total Concentration:			1,876.70		
Client ID : PT-ACIDS-WPDL								
P3845-06DL	PT-ACIDS-WPDL	Water	2,3,4,6-Tetrachlorophenol	98.700	D	4	25	ug/L
P3845-06DL	PT-ACIDS-WPDL	Water	2,4,5-Trichlorophenol	58.300	D	5.1	25	ug/L
P3845-06DL	PT-ACIDS-WPDL	Water	2,4,6-Trichlorophenol	140.000	D	4.5	25	ug/L
P3845-06DL	PT-ACIDS-WPDL	Water	2,4-Dichlorophenol	49.500	D	4.4	25	ug/L
P3845-06DL	PT-ACIDS-WPDL	Water	2,4-Dimethylphenol	63.800	D	7.6	25	ug/L
P3845-06DL	PT-ACIDS-WPDL	Water	2,4-Dinitrophenol	110.000	D	32.1	50	ug/L
P3845-06DL	PT-ACIDS-WPDL	Water	2-Chlorophenol	140.000	D	3.6	25	ug/L
P3845-06DL	PT-ACIDS-WPDL	Water	2-Methylphenol	100.000	D	5.7	25	ug/L
P3845-06DL	PT-ACIDS-WPDL	Water	2-Nitrophenol	98.800	D	9.8	25	ug/L
P3845-06DL	PT-ACIDS-WPDL	Water	4,6-Dinitro-2-methylphenol	100.000	D	15.4	50	ug/L
P3845-06DL	PT-ACIDS-WPDL	Water	4-Chloro-3-methylphenol	140.000	D	4.2	25	ug/L
P3845-06DL	PT-ACIDS-WPDL	Water	4-Nitrophenol	150.000	D	10	50	ug/L
P3845-06DL	PT-ACIDS-WPDL	Water	Pentachlorophenol	32.000	JD	9.3	50	ug/L
P3845-06DL	PT-ACIDS-WPDL	Water	Phenol	110.000	D	4.7	25	ug/L
			Total Svoc :			1,391.10		

Hit Summary Sheet SW-846

SDG No.: BF091624

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
			Total Concentration:	1,391.10				
Client ID :	BIN-2							
P3929-01	BIN-2	Solid	2-Pentanone, 4-hydroxy-4-methyl *	120.000	A			
P3929-01	BIN-2	Solid	Benzo[e]pyrene *	100.000	J			
P3929-01	BIN-2	Solid	Benzophenone *	120.000	J			
P3929-01	BIN-2	Solid	Butane, 2-methoxy-2-methyl-	1,400.000	J			
P3929-01	BIN-2	Solid	Heptadecyl heptafluorobutyrate *	90.700	J			
P3929-01	BIN-2	Solid	n-Hexadecanoic acid *	240.000	J			
P3929-01	BIN-2	Solid	Supraene *	120.000	J			
			Total Tics :	2,190.70				
P3929-01	BIN-2	Solid	Benzo(a)anthracene	160.000		52.7	110	ug/Kg
P3929-01	BIN-2	Solid	Benzo(a)pyrene	150.000		60.7	110	ug/Kg
P3929-01	BIN-2	Solid	Benzo(b)fluoranthene	190.000		52.9	110	ug/Kg
P3929-01	BIN-2	Solid	Benzo(g,h,i)perylene	65.700	J	52.3	110	ug/Kg
P3929-01	BIN-2	Solid	Benzo(k)fluoranthene	80.500	J	53.9	110	ug/Kg
P3929-01	BIN-2	Solid	Chrysene	150.000		51.9	110	ug/Kg
P3929-01	BIN-2	Solid	Fluoranthene	250.000		53.3	110	ug/Kg
P3929-01	BIN-2	Solid	Indeno(1,2,3-cd)pyrene	56.300	J	51	110	ug/Kg
P3929-01	BIN-2	Solid	Phenanthrene	150.000		54.8	110	ug/Kg
P3929-01	BIN-2	Solid	Pyrene	240.000		54.2	110	ug/Kg
			Total Svoc :	1,492.50				
			Total Concentration:	3,683.20				
Client ID :	72-11930							
P3929-03	72-11930	Solid	2-Pentanone, 4-hydroxy-4-methyl *	150.000	A			
P3929-03	72-11930	Solid	4H-Cyclopenta[def]phenanthrene *	49.700	J			
P3929-03	72-11930	Solid	Benzophenone *	130.000	J			
P3929-03	72-11930	Solid	Butane, 2-methoxy-2-methyl-	1,800.000	J			
P3929-03	72-11930	Solid	Heptadecyl heptafluorobutyrate *	64.800	J			
P3929-03	72-11930	Solid	n-Hexadecanoic acid *	320.000	J			
P3929-03	72-11930	Solid	Pyrene, 1-methyl-	55.300	J			
P3929-03	72-11930	Solid	Supraene *	57.400	J			
			Total Tics :	2,627.20				
P3929-03	72-11930	Solid	Benzo(a)anthracene	120.000		56.3	120	ug/Kg
P3929-03	72-11930	Solid	Benzo(b)fluoranthene	86.000	J	56.5	120	ug/Kg
P3929-03	72-11930	Solid	Bis(2-ethylhexyl)phthalate	120.000		63.5	120	ug/Kg
P3929-03	72-11930	Solid	Chrysene	150.000		55.4	120	ug/Kg
P3929-03	72-11930	Solid	Fluoranthene	360.000		57	120	ug/Kg
P3929-03	72-11930	Solid	Pyrene	250.000		57.9	120	ug/Kg
			Total Svoc :	1,086.00				

Hit Summary Sheet SW-846

SDG No.: BF091624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				3,713.20				
Client ID : DN-B-33								
P3930-01	DN-B-33	Solid	1-Decanol, 2-hexyl-	*	180.000	J		
P3930-01	DN-B-33	Solid	1-Docosene	*	270.000	J		
P3930-01	DN-B-33	Solid	1H-Cycloprop[e]azulene, decahyd	*	770.000	J		
P3930-01	DN-B-33	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	150.000	A		
P3930-01	DN-B-33	Solid	8-Azabicyclo[3.2.1]octan-3-ol, 8-1	*	130.000	J		
P3930-01	DN-B-33	Solid	Benzene, 1,1-(1,3-butadiyne-1,4-d	*	82.300	J		
P3930-01	DN-B-33	Solid	Benzophenone	*	160.000	J		
P3930-01	DN-B-33	Solid	Butane, 2-methoxy-2-methyl-	*	1,900.000	J		
P3930-01	DN-B-33	Solid	Docosa-2,6,10,14,18-pentaen-22-ε	*	150.000	J		
P3930-01	DN-B-33	Solid	Eicosen-1-ol, cis-9-	*	88.300	J		
P3930-01	DN-B-33	Solid	n-Hexadecanoic acid	*	430.000	J		
P3930-01	DN-B-33	Solid	Octacosane, 2-methyl-	*	250.000	J		
P3930-01	DN-B-33	Solid	Octadecanal	*	100.000	J		
P3930-01	DN-B-33	Solid	Tetratetracontane	*	230.000	J		
P3930-01	DN-B-33	Solid	unknown13.451	*	130.000	J		
P3930-01	DN-B-33	Solid	unknown17.480	*	110.000	J		
P3930-01	DN-B-33	Solid	unknown17.980	*	100.000	J		
P3930-01	DN-B-33	Solid	unknown18.592	*	82.000	J		
Total Tics :				5,312.60				
Total Concentration:				5,312.60				
Client ID : RW-1								
P3947-01	RW-1	Solid	11H-Benzo[a]fluoren-11-one	*	74.900	J		
P3947-01	RW-1	Solid	11H-Benzo[a]fluorene	*	52.700	J		
P3947-01	RW-1	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	170.000	A		
P3947-01	RW-1	Solid	9,10-Dimethylantracene	*	90.800	J		
P3947-01	RW-1	Solid	Benzaldehyde, 3,5-dichloro-2-hyd	*	180.000	J		
P3947-01	RW-1	Solid	Benzo[e]pyrene	*	140.000	J		
P3947-01	RW-1	Solid	Benzophenone	*	210.000	J		
P3947-01	RW-1	Solid	Butane, 2-methoxy-2-methyl-	*	1,700.000	J		
P3947-01	RW-1	Solid	Caryophyllene	*	130.000	J		
P3947-01	RW-1	Solid	Fluoranthene, 2-methyl-	*	48.600	J		
P3947-01	RW-1	Solid	Humulene	*	260.000	J		
P3947-01	RW-1	Solid	n-Hexadecanoic acid	*	410.000	J		
P3947-01	RW-1	Solid	Naphthalene, 2-phenyl-	*	56.700	J		
P3947-01	RW-1	Solid	Phenanthrene, 1-methyl-	*	74.600	J		
P3947-01	RW-1	Solid	Phenanthrene, 2-methyl-	*	49.800	J		
P3947-01	RW-1	Solid	Pyrene, 1-methyl-	*	69.600	J		

Hit Summary Sheet SW-846

SDG No.: BF091624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3947-01	RW-1	Solid	unknown10.004	*	230.000	J		
P3947-01	RW-1	Solid	unknown12.480	*	65.600	J		
P3947-01	RW-1	Solid	unknown12.528	*	48.600	J		
P3947-01	RW-1	Solid	unknown12.698	*	50.800	J		
Total Tics :				4,112.70				
P3947-01	RW-1	Solid	Anthracene	82.600	J	60.4	120	ug/Kg
P3947-01	RW-1	Solid	Benzo(a)anthracene	270.000		57.7	120	ug/Kg
P3947-01	RW-1	Solid	Benzo(a)pyrene	230.000		66.5	120	ug/Kg
P3947-01	RW-1	Solid	Benzo(b)fluoranthene	280.000		58	120	ug/Kg
P3947-01	RW-1	Solid	Benzo(g,h,i)perylene	110.000	J	57.3	120	ug/Kg
P3947-01	RW-1	Solid	Benzo(k)fluoranthene	130.000		59.1	120	ug/Kg
P3947-01	RW-1	Solid	Chrysene	250.000		56.9	120	ug/Kg
P3947-01	RW-1	Solid	Fluoranthene	470.000		58.4	120	ug/Kg
P3947-01	RW-1	Solid	Indeno(1,2,3-cd)pyrene	87.800	J	55.9	120	ug/Kg
P3947-01	RW-1	Solid	Phenanthrene	380.000		60.1	120	ug/Kg
P3947-01	RW-1	Solid	Pyrene	410.000		59.4	120	ug/Kg
Total Svoc :				2,700.40				
Total Concentration:				6,813.10				

Client ID : TR-04-091124

P3962-01	TR-04-091124	Solid	1-Octadecanesulphonyl chloride	*	230.000	J		
P3962-01	TR-04-091124	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	110.000	A		
P3962-01	TR-04-091124	Solid	Benzophenone	*	200.000	J		
P3962-01	TR-04-091124	Solid	Butane, 2-methoxy-2-methyl-	*	1,200.000	J		
P3962-01	TR-04-091124	Solid	Carbonic acid, prop-1-en-2-yl trid	*	210.000	J		
P3962-01	TR-04-091124	Solid	Dodecane, 2,6,10-trimethyl-	*	93.900	J		
P3962-01	TR-04-091124	Solid	Eicosane	*	210.000	J		
P3962-01	TR-04-091124	Solid	Heneicosane	*	100.000	J		
P3962-01	TR-04-091124	Solid	Heptadecane	*	240.000	J		
P3962-01	TR-04-091124	Solid	Hexadecane	*	260.000	J		
P3962-01	TR-04-091124	Solid	Hexadecane, 2,6,10,14-tetramethy	*	180.000	J		
P3962-01	TR-04-091124	Solid	n-Hexadecanoic acid	*	200.000	J		
P3962-01	TR-04-091124	Solid	Nonadecane	*	210.000	J		
P3962-01	TR-04-091124	Solid	Octadecane	*	320.000	J		
P3962-01	TR-04-091124	Solid	Pentadecane	*	220.000	J		
P3962-01	TR-04-091124	Solid	Tetracosane	*	220.000	J		
P3962-01	TR-04-091124	Solid	Tetradecane	*	230.000	J		
P3962-01	TR-04-091124	Solid	Tridecane	*	570.000	J		
P3962-01	TR-04-091124	Solid	Tridecane, 6-propyl-	*	260.000	J		
P3962-01	TR-04-091124	Solid	unknown10.004	*	180.000	J		
Total Tics :				5,443.90				

Hit Summary Sheet SW-846

SDG No.: BF091624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3962-01	TR-04-091124	Solid	Benzo(a)anthracene	62.900	J	50.8	110	ug/Kg
P3962-01	TR-04-091124	Solid	Benzo(a)pyrene	83.300	J	58.6	110	ug/Kg
P3962-01	TR-04-091124	Solid	Benzo(b)fluoranthene	91.100	J	51.1	110	ug/Kg
P3962-01	TR-04-091124	Solid	Benzo(g,h,i)perylene	66.600	J	50.5	110	ug/Kg
P3962-01	TR-04-091124	Solid	Chrysene	75.300	J	50.1	110	ug/Kg
P3962-01	TR-04-091124	Solid	Fluoranthene	89.900	J	51.5	110	ug/Kg
P3962-01	TR-04-091124	Solid	Pyrene	110.000		52.3	110	ug/Kg
Total Svoc :				579.10				
Total Concentration:				6,023.00				

Client ID : RW-2

P3976-01	RW-2	Solid	11H-Benzo[a]fluorene	*	190.000	J		
P3976-01	RW-2	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	99.800	A		
P3976-01	RW-2	Solid	9,10-Anthracenedione	*	230.000	J		
P3976-01	RW-2	Solid	9,10-Dimethylanthracene	*	320.000	J		
P3976-01	RW-2	Solid	9H-Fluorene, 2-methyl-	*	100.000	J		
P3976-01	RW-2	Solid	Anthra(2,3-b)thiophene	*	110.000	J		
P3976-01	RW-2	Solid	Anthracene, 2-methyl-	*	460.000	J		
P3976-01	RW-2	Solid	Benzaldehyde, 3,5-dichloro-2-hyd	*	690.000	J		
P3976-01	RW-2	Solid	Benzo[e]pyrene	*	450.000	J		
P3976-01	RW-2	Solid	Butane, 2-methoxy-2-methyl-	*	1,100.000	J		
P3976-01	RW-2	Solid	Cyclopenta(def)phenanthrenone	*	130.000	J		
P3976-01	RW-2	Solid	Dibenzothiophene, 4-methyl-	*	130.000	J		
P3976-01	RW-2	Solid	Fluoranthene, 2-methyl-	*	100.000	J		
P3976-01	RW-2	Solid	Naphtho[1,2-b]thiophene	*	110.000	J		
P3976-01	RW-2	Solid	Phenanthrene, 1-methyl-	*	350.000	J		
P3976-01	RW-2	Solid	Phenanthrene, 3,6-dimethyl-	*	110.000	J		
P3976-01	RW-2	Solid	Pyrene, 1-methyl-	*	140.000	J		
P3976-01	RW-2	Solid	Pyrene, 2-methyl-	*	120.000	J		
P3976-01	RW-2	Solid	Tricyclo[8.2.2.2(4,7)]hexadeca-2,4	*	190.000	J		
P3976-01	RW-2	Solid	unknown12.480	*	150.000	J		
Total Tics :				5,279.80				
P3976-01	RW-2	Solid	Acenaphthene		70.700	J	55.2	120 ug/Kg
P3976-01	RW-2	Solid	Acenaphthylene		88.600	J	58.8	120 ug/Kg
P3976-01	RW-2	Solid	Anthracene		180.000		57.4	120 ug/Kg
P3976-01	RW-2	Solid	Benzo(a)anthracene		730.000		54.9	120 ug/Kg
P3976-01	RW-2	Solid	Benzo(a)pyrene		610.000		63.3	120 ug/Kg
P3976-01	RW-2	Solid	Benzo(b)fluoranthene		720.000		55.2	120 ug/Kg
P3976-01	RW-2	Solid	Benzo(g,h,i)perylene		290.000		54.5	120 ug/Kg
P3976-01	RW-2	Solid	Benzo(k)fluoranthene		240.000		56.2	120 ug/Kg
P3976-01	RW-2	Solid	Carbazole		83.600	J	54.6	120 ug/Kg

Hit Summary Sheet SW-846

SDG No.: BF091624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3976-01	RW-2	Solid	Chrysene	740.000		54.1	120	ug/Kg
P3976-01	RW-2	Solid	Dibenzo(a,h)anthracene	81.000	J	55.2	120	ug/Kg
P3976-01	RW-2	Solid	Fluoranthene	1,700.000		55.6	120	ug/Kg
P3976-01	RW-2	Solid	Fluorene	100.000	J	58.2	120	ug/Kg
P3976-01	RW-2	Solid	Indeno(1,2,3-cd)pyrene	240.000		53.1	120	ug/Kg
P3976-01	RW-2	Solid	Phenanthrene	1,300.000		57.1	120	ug/Kg
P3976-01	RW-2	Solid	Pyrene	1,700.000		56.5	120	ug/Kg
P3976-01	RW-2	Solid	Total PAH	8,790.000		901.5	1920	ug/Kg

Total Svoc : 17,663.90

Total Concentration: 22,943.70

Client ID : EO-03-091224

P3979-01	EO-03-091224	Solid	1-Phenoxypropan-2-ol	*	110.000	J		
P3979-01	EO-03-091224	Solid	1H-Cyclopropa[1]phenanthrene, 1a	*	640.000	J		
P3979-01	EO-03-091224	Solid	4H-Cyclopenta[def]phenanthrene	*	440.000	J		
P3979-01	EO-03-091224	Solid	5,16[1,2]:8,13[1,2]-Dibenzen	*	96.900	J		
P3979-01	EO-03-091224	Solid	9,10-Dimethylanthracene	*	150.000	J		
P3979-01	EO-03-091224	Solid	9-Octadecenoic acid, methyl ester	*	970.000	J		
P3979-01	EO-03-091224	Solid	Benzophenone	*	94.300	J		
P3979-01	EO-03-091224	Solid	Butane, 2-methoxy-2-methyl-	*	990.000	J		
P3979-01	EO-03-091224	Solid	Dibenzothiophene	*	150.000	J		
P3979-01	EO-03-091224	Solid	Dodecane	*	110.000	J		
P3979-01	EO-03-091224	Solid	Dodecane, 1-iodo-	*	270.000	J		
P3979-01	EO-03-091224	Solid	Heptadecane	*	180.000	J		
P3979-01	EO-03-091224	Solid	Hexadecane	*	130.000	J		
P3979-01	EO-03-091224	Solid	Hexadecanoic acid, methyl ester	*	220.000	J		
P3979-01	EO-03-091224	Solid	Nonadecane	*	98.600	J		
P3979-01	EO-03-091224	Solid	Octacosane	*	140.000	J		
P3979-01	EO-03-091224	Solid	Octadecanoic acid	*	92.200	J		
P3979-01	EO-03-091224	Solid	Pentadecane	*	170.000	J		
P3979-01	EO-03-091224	Solid	Pyrene, 1-methyl-	*	140.000	J		
P3979-01	EO-03-091224	Solid	Tridecane	*	93.500	J		

Total Tics : 5,285.50

P3979-01	EO-03-091224	Solid	Anthracene		410.000	110	220	ug/Kg
P3979-01	EO-03-091224	Solid	Benzo(a)anthracene		1,100.000	100	220	ug/Kg
P3979-01	EO-03-091224	Solid	Benzo(a)pyrene		1,100.000	120	220	ug/Kg
P3979-01	EO-03-091224	Solid	Benzo(b)fluoranthene		1,200.000	110	220	ug/Kg
P3979-01	EO-03-091224	Solid	Benzo(g,h,i)perylene		570.000	100	220	ug/Kg
P3979-01	EO-03-091224	Solid	Benzo(k)fluoranthene		520.000	110	220	ug/Kg
P3979-01	EO-03-091224	Solid	Carbazole	J	150.000	100	220	ug/Kg
P3979-01	EO-03-091224	Solid	Chrysene		1,000.000	100	220	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BF091624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3979-01	EO-03-091224	Solid	Dibenzo(a,h)anthracene	140.000	J	110	220	ug/Kg
P3979-01	EO-03-091224	Solid	Fluoranthene	2,200.000		110	220	ug/Kg
P3979-01	EO-03-091224	Solid	Fluorene	120.000	J	110	220	ug/Kg
P3979-01	EO-03-091224	Solid	Indeno(1,2,3-cd)pyrene	460.000		100	220	ug/Kg
P3979-01	EO-03-091224	Solid	Phenanthrene	1,200.000		110	220	ug/Kg
P3979-01	EO-03-091224	Solid	Pyrene	2,300.000		110	220	ug/Kg
P3979-01	EO-03-091224	Solid	Total PAH	12,320.000		1730	3520	ug/Kg
Total Svoc :				24,790.00				
Total Concentration:				30,075.50				

Client ID : HD-02-091224

P3980-01	HD-02-091224	Solid	4H-Cyclopenta[def]phenanthrene *	1,000.000	J			
P3980-01	HD-02-091224	Solid	Anthracene, 2-methyl- *	230.000	J			
P3980-01	HD-02-091224	Solid	Benzo[e]pyrene *	1,900.000	J			
P3980-01	HD-02-091224	Solid	Butane, 2-methoxy-2-methyl- *	950.000	J			
P3980-01	HD-02-091224	Solid	Carbonic acid, nonyl vinyl ester *	300.000	J			
P3980-01	HD-02-091224	Solid	cis-13-Octadecenoic acid, methyl *	3,400.000	J			
P3980-01	HD-02-091224	Solid	Dibenzothiophene *	760.000	J			
P3980-01	HD-02-091224	Solid	Eicosane *	1,100.000	J			
P3980-01	HD-02-091224	Solid	Heptadecane *	2,700.000	J			
P3980-01	HD-02-091224	Solid	Hexadecane *	1,100.000	J			
P3980-01	HD-02-091224	Solid	Hexadecanoic acid, methyl ester *	760.000	J			
P3980-01	HD-02-091224	Solid	n-Hexadecanoic acid *	1,100.000	J			
P3980-01	HD-02-091224	Solid	Naphthalene, 2,3-dimethyl- *	250.000	J			
P3980-01	HD-02-091224	Solid	Nonadecane *	1,400.000	J			
P3980-01	HD-02-091224	Solid	Octadecane *	1,700.000	J			
P3980-01	HD-02-091224	Solid	Pentadecane *	830.000	J			
P3980-01	HD-02-091224	Solid	Pentadecane, 2,6,10-trimethyl- *	490.000	J			
P3980-01	HD-02-091224	Solid	Phenanthrene, 2-methyl- *	260.000	J			
P3980-01	HD-02-091224	Solid	Tridecane, 6-methyl- *	560.000	J			
P3980-01	HD-02-091224	Solid	unknown11.004 *	250.000	J			
Total Tics :				21,040.00				
P3980-01	HD-02-091224	Solid	Acenaphthene	380.000		100	220	ug/Kg
P3980-01	HD-02-091224	Solid	Anthracene	900.000		110	220	ug/Kg
P3980-01	HD-02-091224	Solid	Benzo(a)anthracene	2,100.000		100	220	ug/Kg
P3980-01	HD-02-091224	Solid	Benzo(a)pyrene	2,100.000		120	220	ug/Kg
P3980-01	HD-02-091224	Solid	Benzo(b)fluoranthene	2,500.000		100	220	ug/Kg
P3980-01	HD-02-091224	Solid	Benzo(g,h,i)perylene	940.000		100	220	ug/Kg
P3980-01	HD-02-091224	Solid	Benzo(k)fluoranthene	870.000		110	220	ug/Kg
P3980-01	HD-02-091224	Solid	Carbazole	260.000		100	220	ug/Kg
P3980-01	HD-02-091224	Solid	Chrysene	1,800.000		100	220	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BF091624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3980-01	HD-02-091224	Solid	Dibenzo(a,h)anthracene	220.000		100	220	ug/Kg
P3980-01	HD-02-091224	Solid	Dibenzofuran	190.000	J	110	220	ug/Kg
P3980-01	HD-02-091224	Solid	Fluoranthene	4,700.000	E	100	220	ug/Kg
P3980-01	HD-02-091224	Solid	Fluorene	360.000		110	220	ug/Kg
P3980-01	HD-02-091224	Solid	Indeno(1,2,3-cd)pyrene	790.000		99.9	220	ug/Kg
P3980-01	HD-02-091224	Solid	Phenanthrene	2,800.000		110	220	ug/Kg
P3980-01	HD-02-091224	Solid	Pyrene	4,400.000	E	110	220	ug/Kg
P3980-01	HD-02-091224	Solid	Total PAH	24,860.000		1689.9	3520	ug/Kg
Total Svoc :						50,170.00		
Total Concentration:						71,210.00		

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF091324 SAS No.: BF091324 SDG No.: BF091324

Instrument ID: _____ Calibration Date(s): 9/13/2024 : _____

Calibration Time(s): 14:32 _____

LAB FILE ID:		RRF2.5 = BF139345.D			RRF005 = BF139346.D		RRF010 = BF139347.D	
		RRF020 = BF139348.D			RRF040 = BF139349.D		RRF050 = BF139350.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.936	0.930	0.973	0.941	0.905	0.940	2.7
Pyridine		1.084	1.102	1.180	1.098	1.002	1.084	5.7
2-Fluorophenol		1.255	1.223	1.262	1.216	1.174	1.226	2.7
Benzaldehyde		1.119	1.053	1.011	0.833	0.761	0.930	16.1
Aniline		1.262	1.232	1.274	1.194	1.101	1.214	5.2
Phenol-d6		1.636	1.624	1.680	1.598	1.522	1.609	3.4
Phenol		1.697	1.708	1.709	1.609	1.524	1.639	4.6
bis(2-Chloroethyl)ether		1.173	1.177	1.190	1.133	1.127	1.246	16.5
2-Chlorophenol		1.262	1.295	1.305	1.242	1.203	1.262	3.1
1,2-Dichlorobenzene		1.429	1.386	1.411	1.344	1.301	1.370	3.6
1,3-Dichlorobenzene		1.500	1.489	1.475	1.414	1.355	1.435	4.0
1,4-Dichlorobenzene		1.477	1.463	1.527	1.432	1.377	1.450	3.5
Benzyl Alcohol		1.277	1.307	1.332	1.282	1.220	1.284	3.5
2-Methylphenol		0.999	1.000	1.077	0.986	0.952	1.003	3.9
2,2-oxybis(1-Chloropropane)		2.033	1.971	2.047	1.868	1.791	1.920	5.5
Acetophenone		0.521	0.509	0.535	0.539	0.502	0.523	2.9
3+4-Methylphenols		1.397	1.358	1.413	1.351	1.306	1.368	3.2
n-Nitroso-di-n-propylamine	0.922	0.950	0.952	1.025	0.939	0.912	0.954	3.9
Nitrobenzene-d5		0.409	0.415	0.434	0.441	0.408	0.425	3.4
Hexachloroethane		0.563	0.567	0.565	0.543	0.531	0.552	2.9
Nitrobenzene		0.434	0.436	0.442	0.453	0.422	0.438	2.4
Isophorone		0.658	0.670	0.698	0.685	0.647	0.673	2.7
2-Nitrophenol		0.153	0.157	0.169	0.182	0.169	0.171	7.3
2,4-Dimethylphenol		0.216	0.219	0.231	0.235	0.219	0.225	3.8
bis(2-Chloroethoxy)methane		0.394	0.378	0.389	0.387	0.364	0.383	2.7
2,4-Dichlorophenol		0.289	0.283	0.285	0.295	0.272	0.286	2.8
1,2,4-Trichlorobenzene		0.347	0.331	0.336	0.341	0.316	0.333	3.1
Benzoic acid		0.164	0.184	0.219	0.220	0.221	0.211	12.5
Naphthalene		1.043	1.038	1.045	1.070	1.003	1.044	2.3
4-Chloroaniline		0.307	0.327	0.334	0.337	0.305	0.319	5.4
Hexachlorobutadiene		0.228	0.231	0.228	0.232	0.220	0.226	2.4
Caprolactam		0.087	0.086	0.089	0.093	0.083	0.088	3.7
4-Chloro-3-methylphenol		0.315	0.317	0.336	0.341	0.315	0.327	3.3
2-Methylnaphthalene		0.672	0.645	0.684	0.680	0.631	0.663	3.1
Hexachlorocyclopentadiene		0.198	0.196	0.224	0.229	0.207	0.207	7.3
2,4,6-Trichlorophenol		0.378	0.373	0.388	0.421	0.370	0.386	4.4

All other compounds must meet a minimum RRF of 0.010.



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF091324 SAS No.: BF091324 SDG No.: BF091324
Instrument ID: _____ Calibration Date(s): 9/13/2024 : _____
Calibration Time(s): 14:32 _____

LAB FILE ID:		RRF2.5 = BF139345.D		RRF005 = BF139346.D		RRF010 = BF139347.D		
		RRF020 = BF139348.D		RRF040 = BF139349.D		RRF050 = BF139350.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.470	1.399	1.473	1.491	1.357	1.426	3.6
2,4,5-Trichlorophenol		0.378	0.389	0.426	0.434	0.400	0.407	4.9
1,1-Biphenyl		1.615	1.478	1.566	1.613	1.479	1.539	3.8
2-Chloronaphthalene		1.130	1.110	1.181	1.215	1.116	1.150	3.3
2-Nitroaniline		0.387	0.407	0.436	0.456	0.428	0.428	5.5
Dimethylphthalate		1.318	1.284	1.354	1.382	1.253	1.313	3.4
Acenaphthylene		1.696	1.705	1.799	1.814	1.681	1.732	3.0
2,6-Dinitrotoluene		0.261	0.275	0.303	0.313	0.290	0.291	6.0
3-Nitroaniline		0.279	0.276	0.311	0.319	0.284	0.291	6.7
Acenaphthene		1.186	1.141	1.246	1.289	1.169	1.209	4.1
2,4-Dinitrophenol			0.107	0.149	0.178	0.174	0.162	18.2
4-Nitrophenol		0.225	0.228	0.243	0.264	0.244	0.240	5.3
Dibenzofuran		1.687	1.668	1.738	1.780	1.600	1.685	3.6
2,4-Dinitrotoluene		0.364	0.365	0.391	0.434	0.388	0.393	6.2
Diethylphthalate		1.359	1.291	1.405	1.440	1.309	1.355	3.9
4-Chlorophenyl-phenylether		0.671	0.638	0.691	0.705	0.642	0.668	3.6
Fluorene		1.373	1.323	1.424	1.472	1.325	1.375	4.0
4-Nitroaniline		0.303	0.315	0.344	0.348	0.307	0.317	6.8
4,6-Dinitro-2-methylphenol		0.075	0.092	0.105	0.117	0.113	0.106	15.9
n-Nitrosodiphenylamine		0.581	0.564	0.593	0.601	0.560	0.585	2.9
Azobenzene		1.341	1.286	1.375	1.423	1.280	1.332	3.9
2,4,6-Tribromophenol		0.212	0.202	0.220	0.229	0.204	0.213	4.5
4-Bromophenyl-phenylether		0.190	0.186	0.201	0.207	0.191	0.198	4.4
Hexachlorobenzene		0.232	0.229	0.228	0.243	0.223	0.233	2.9
Atrazine		0.175	0.165	0.144	0.121	0.141	0.139	17.3
Pentachlorophenol		0.123	0.130	0.143	0.150	0.137	0.140	7.2
Phenanthrene		0.981	0.928	0.992	1.004	0.938	0.965	3.0
Anthracene		0.945	0.909	0.971	0.987	0.913	0.943	3.2
Carbazole		0.923	0.897	0.958	0.946	0.881	0.903	4.8
Di-n-butylphthalate		0.935	0.972	1.073	1.075	0.991	1.006	5.3
Fluoranthene		1.100	1.092	1.137	1.085	0.957	1.030	9.3
Benzidine		0.174	0.181	0.262	0.384	0.269	0.287	31.6
Pyrene		1.536	1.568	1.791	1.924	1.774	1.717	8.1
Terphenyl-d14		1.100	1.128	1.282	1.349	1.239	1.218	7.7
Butylbenzylphthalate		0.519	0.552	0.630	0.627	0.585	0.585	6.8
3,3-Dichlorobenzidine		0.388	0.384	0.396	0.374	0.367	0.388	3.6

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.: BF091324 SAS No.: BF091324 SDG No.: BF091324
Instrument ID: _____ Calibration Date(s): 9/13/2024 : _____
Calibration Time(s): 14:32 _____

LAB FILE ID:		RRF2.5 = BF139345.D			RRF005 = BF139346.D		RRF010 = BF139347.D	
		RRF020 = BF139348.D			RRF040 = BF139349.D		RRF050 = BF139350.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.334	1.287	1.404	1.358	1.262	1.325	3.5
Chrysene		1.252	1.206	1.206	1.234	1.185	1.219	2.0
Bis(2-ethylhexyl)phthalate		0.688	0.711	0.816	0.764	0.727	0.744	5.6
Di-n-octyl phthalate		0.969	0.954	1.076	1.129	1.103	1.095	9.7
Benzo(b)fluoranthene		1.284	1.188	1.332	1.226	1.186	1.233	4.4
Benzo(k)fluoranthene		1.221	1.212	1.107	1.191	1.028	1.137	6.4
Benzo(a)pyrene		1.002	0.985	1.031	1.076	0.992	1.023	3.3
Indeno(1,2,3-cd)pyrene		0.947	1.025	1.175	1.363	1.261	1.189	12.8
Dibenzo(a,h)anthracene		0.770	0.847	0.973	1.098	1.044	0.983	13.1
Benzo(g,h,i)perylene		0.805	0.846	0.974	1.106	1.031	0.973	11.4
1,2,4,5-Tetrachlorobenzene		0.600	0.570	0.607	0.619	0.569	0.593	3.1
1,4-Dioxane		0.553	0.504	0.521	0.494	0.447	0.492	7.7
2,3,4,6-Tetrachlorophenol		0.317	0.327	0.364	0.359	0.325	0.336	5.3
1-Methylnaphthalene		0.656	0.647	0.670	0.662	0.616	0.651	2.7

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF091624 SAS No.: BF091624 SDG NO.: BF091624

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 16 2024 12:00AM

Lab File ID: BF139349.D Time Analyzed: 11:04

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	52723	6.881	182509	8.16	98703	9.92
UPPER LIMIT	105446	7.381	365018	8.663	197406	10.416
LOWER LIMIT	26361.5	6.381	91254.5	7.663	49351.5	9.416
EPA SAMPLE NO.						
01 PB163318BL	93864	6.88	352298	8.16	195161	9.91
02 PT-ACIDS-WP	51774	6.88	193300	8.16	107677	9.91
03 PT-ACIDS-WPDL	53717	6.88	197693	8.16	111417	9.91
04 72-11930	59320	6.88	212084	8.16	116207	9.91
05 BIN-2	59754	6.88	224145	8.16	118591	9.91
06 RW-1	58357	6.88	210995	8.16	108172	9.91
07 RW-1MS	67435	6.88	244647	8.16	122439	9.92
08 RW-1MSD	58657	6.88	210860	8.16	103397	9.92
09 DN-B-33	58262	6.88	211974	8.16	101610	9.91
10 DN-B-34RE	61129	6.88	214178	8.16	102446	9.91
11 TR-04-091124	55379	6.88	185754	8.16	81288	9.91
12 RW-2	54815	6.88	188948	8.16	86424	9.91
13 EO-03-091224	65717	6.88	214184	8.16	96544	9.91
14 HD-02-091224	56046	6.88	187630	8.16	87007	9.92

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF091624 SAS No.: BF091624 SDG NO.: BF091624

EPA Sample No.: SSTDCCC040 Date Analyzed: Sep 16 2024 12:00AM

Lab File ID: BF139377.D Time Analyzed: 11:04

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	66091	6.881	230944	8.16	122358	9.92
	UPPER LIMIT	132182	7.381	461888	8.663	244716	10.416
	LOWER LIMIT	33045.5	6.381	115472	7.663	61179	9.416
	EPA SAMPLE NO.						
01	PB163318BL	93864	6.88	352298	8.16	195161	9.91
02	PT-ACIDS-WP	51774	6.88	193300	8.16	107677	9.91
03	PT-ACIDS-WPDL	53717	6.88	197693	8.16	111417	9.91
04	72-11930	59320	6.88	212084	8.16	116207	9.91
05	BIN-2	59754	6.88	224145	8.16	118591	9.91
06	RW-1	58357	6.88	210995	8.16	108172	9.91
07	RW-1MS	67435	6.88	244647	8.16	122439	9.92
08	RW-1MSD	58657	6.88	210860	8.16	103397	9.92
09	DN-B-33	58262	6.88	211974	8.16	101610	9.91
10	DN-B-34RE	61129	6.88	214178	8.16	102446	9.91
11	TR-04-091124	55379	6.88	185754	8.16	81288	9.91
12	RW-2	54815	6.88	188948	8.16	86424	9.91
13	EO-03-091224	65717	6.88	214184	8.16	96544	9.91
14	HD-02-091224	56046	6.88	187630	8.16	87007	9.92

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF091624 SAS No.: BF091624 SDG NO.: BF091624

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 16 2024 12:00AM

Lab File ID: BF139349.D Time Analyzed: 11:04

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	194097	11.398	109489	14.033	106513	15.498
	UPPER LIMIT	388194	11.898	218978	14.533	213026	15.998
	LOWER LIMIT	97048.5	10.898	54744.5	13.533	53256.5	14.998
	EPA SAMPLE NO.						
01	PB163318BL	366268	11.39	227743 *	14.03	184675	15.50
02	PT-ACIDS-WP	200595	11.39	138722	14.03	119413	15.50
03	PT-ACIDS-WPDL	205713	11.39	127464	14.03	107390	15.50
04	72-11930	214775	11.39	104823	14.03	107304	15.49
05	BIN-2	195945	11.39	104507	14.03	95315	15.49
06	RW-1	159684	11.39	99857	14.03	77157	15.49
07	RW-1MS	183510	11.40	106233	14.03	82354	15.50
08	RW-1MSD	155991	11.40	92472	14.03	73636	15.50
09	DN-B-33	154165	11.39	95887	14.03	74008	15.50
10	DN-B-34RE	155404	11.39	102170	14.03	75259	15.50
11	TR-04-091124	133329	11.39	73618	14.03	59581	15.50
12	RW-2	141454	11.40	73207	14.03	65831	15.50
13	EO-03-091224	164012	11.40	83667	14.03	75424	15.51
14	HD-02-091224	140946	11.40	73749	14.04	65180	15.51

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF091624 SAS No.: BF091624 SDG NO.: BF091624

EPA Sample No.: SSTDCCC040 Date Analyzed: Sep 16 2024 12:00AM

Lab File ID: BF139377.D Time Analyzed: 11:04

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	221286	11.398	116037	14.033	120558	15.498
	UPPER LIMIT	442572	11.898	232074	14.533	241116	15.998
	LOWER LIMIT	110643	10.898	58018.5	13.533	60279	14.998
	EPA SAMPLE NO.						
01	PB163318BL	366268	11.39	227743	14.03	184675	15.50
02	PT-ACIDS-WP	200595	11.39	138722	14.03	119413	15.50
03	PT-ACIDS-WPDL	205713	11.39	127464	14.03	107390	15.50
04	72-11930	214775	11.39	104823	14.03	107304	15.49
05	BIN-2	195945	11.39	104507	14.03	95315	15.49
06	RW-1	159684	11.39	99857	14.03	77157	15.49
07	RW-1MS	183510	11.40	106233	14.03	82354	15.50
08	RW-1MSD	155991	11.40	92472	14.03	73636	15.50
09	DN-B-33	154165	11.39	95887	14.03	74008	15.50
10	DN-B-34RE	155404	11.39	102170	14.03	75259	15.50
11	TR-04-091124	133329	11.39	73618	14.03	59581 *	15.50
12	RW-2	141454	11.40	73207	14.03	65831	15.50
13	EO-03-091224	164012	11.40	83667	14.03	75424	15.51
14	HD-02-091224	140946	11.40	73749	14.04	65180	15.51

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

72-11930

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF091624

SAS No.: BF091624 SDG NO.: BF091624

Lab File ID: BF139381.D

Lab Sample ID: P3929-03

Instrument ID: BNA_F

Date Extracted: 09/11/2024

Matrix: (soil/water) Solid

Date Analyzed: 09/16/2024

Level: (low/med) LOW

Time Analyzed: 16:30

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
72-11930	P3929-03	BF139381.D	09/16/2024
BIN-2	P3929-01	BF139382.D	09/16/2024
DN-B-33	P3930-01	BF139386.D	09/16/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163318BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF091624

SAS No.: BF091624 SDG NO.: BF091624

Lab File ID: BF139378.D

Lab Sample ID: PB163318BL

Instrument ID: BNA_F

Date Extracted: 09/12/2024

Matrix: (soil/water) Water

Date Analyzed: 09/16/2024

Level: (low/med) LOW

Time Analyzed: 11:04

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PT-ACIDS-WP	P3845-06	BF139379.D	09/16/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

TR-04-091124

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF091624

SAS No.: BF091624 SDG NO.: BF091624

Lab File ID: BF139388.D

Lab Sample ID: P3962-01

Instrument ID: BNA_F

Date Extracted: 09/12/2024

Matrix: (soil/water) Solid

Date Analyzed: 09/16/2024

Level: (low/med) LOW

Time Analyzed: 19:48

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TR-04-091124	P3962-01	BF139388.D	09/16/2024
RW-1	P3947-01	BF139383.D	09/16/2024
RW-1MS	P3947-01MS	BF139384.D	09/16/2024
RW-1MSD	P3947-01MSD	BF139385.D	09/16/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

RW-2

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF091624

SAS No.: BF091624 SDG NO.: BF091624

Lab File ID: BF139389.D

Lab Sample ID: P3976-01

Instrument ID: BNA_F

Date Extracted: 09/13/2024

Matrix: (soil/water) Solid

Date Analyzed: 09/16/2024

Level: (low/med) LOW

Time Analyzed: 20:16

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RW-2	P3976-01	BF139389.D	09/16/2024
EO-03-091224	P3979-01	BF139390.D	09/16/2024
HD-02-091224	P3980-01	BF139391.D	09/16/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF091624

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3947-01MS		Client Sample ID: RW-1MS		DataFile: BF139384.D							
n-Nitrosodimethylamine	1200		1000	ug/Kg	83				66	124	
Pyridine	1200		1000	ug/Kg	83				45	119	
Benzaldehyde	1200		320	ug/Kg	27				10	86	
Aniline	1200		730	ug/Kg	61				10	88	
Phenol	1200		1100	ug/Kg	92				67	126	
bis(2-Chloroethyl)ether	1200		1100	ug/Kg	92				54	125	
2-Chlorophenol	1200		1100	ug/Kg	92				79	107	
1,2-Dichlorobenzene	1200		1000	ug/Kg	83				61	105	
1,3-Dichlorobenzene	1200		1000	ug/Kg	83				62	101	
1,4-Dichlorobenzene	1200		1000	ug/Kg	83				63	104	
Benzyl Alcohol	1200		1100	ug/Kg	92				47	126	
2-Methylphenol	1200		1100	ug/Kg	92				66	122	
2,2-oxybis(1-Chloropropane)	1200		1200	ug/Kg	100				65	110	
Acetophenone	1200		1100	ug/Kg	92				75	111	
3+4-Methylphenols	1200		1100	ug/Kg	92				66	104	
N-Nitroso-di-n-propylamine	1200		1200	ug/Kg	100				59	119	
Hexachloroethane	1200		1000	ug/Kg	83				65	117	
Nitrobenzene	1200		1100	ug/Kg	92				70	119	
Isophorone	1200		1200	ug/Kg	100				76	122	
2-Nitrophenol	1200		1100	ug/Kg	92				54	145	
2,4-Dimethylphenol	1200		1400	ug/Kg	117				44	135	
bis(2-Chloroethoxy)methane	1200		1200	ug/Kg	100				68	112	
2,4-Dichlorophenol	1200		1100	ug/Kg	92				72	118	
1,2,4-Trichlorobenzene	1200		1000	ug/Kg	83				57	103	
Benzoic acid	1200		1000	ug/Kg	83				50	104	
Naphthalene	1200		1100	ug/Kg	92				72	110	
4-Chloroaniline	1200		240	ug/Kg	20				10	91	
Hexachlorobutadiene	1200		1000	ug/Kg	83				66	114	
Caprolactam	1200		1000	ug/Kg	83				51	134	
4-Chloro-3-methylphenol	1200		1100	ug/Kg	92				57	132	
2-Methylnaphthalene	1200		1100	ug/Kg	92				59	123	
Hexachlorocyclopentadiene	2400		2800	ug/Kg	117				10	175	
2,4,6-Trichlorophenol	1200		1200	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	1200		1100	ug/Kg	92				72	117	
1,1-Biphenyl	1200		1200	ug/Kg	100				75	113	
2-Chloronaphthalene	1200		1100	ug/Kg	92				67	118	
2-Nitroaniline	1200		1100	ug/Kg	92				69	127	
Dimethylphthalate	1200		1200	ug/Kg	100				70	113	
Acenaphthylene	1200		1200	ug/Kg	100				79	118	
2,6-Dinitrotoluene	1200		1100	ug/Kg	92				70	125	
3-Nitroaniline	1200		680	ug/Kg	57				30	99	
Acenaphthene	1200		1200	ug/Kg	100				70	121	
Total PAH	19200	2700.4	20040	ug/Kg	104				70	121	
2,4-Dinitrophenol	2400		1800	ug/Kg	75				10	155	
4-Nitrophenol	2400		1800	ug/Kg	75				45	133	
Dibenzofuran	1200		1100	ug/Kg	92				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF091624

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1200		1000	ug/Kg	83				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	2400		2100	ug/Kg	88				55	128	
Diethylphthalate	1200		1100	ug/Kg	92				70	112	
4-Chlorophenyl-phenylether	1200		1100	ug/Kg	92				71	108	
Fluorene	1200		1100	ug/Kg	92				68	116	
4-Nitroaniline	1200		800	ug/Kg	67				55	120	
4,6-Dinitro-2-methylphenol	1200		1100	ug/Kg	92				10	160	
N-Nitrosodiphenylamine	1200		1300	ug/Kg	108				73	118	
Azobenzene	1200		1200	ug/Kg	100				73	110	
4-Bromophenyl-phenylether	1200		1300	ug/Kg	108				65	121	
Hexachlorobenzene	1200		1200	ug/Kg	100				67	118	
Atrazine	1200		1700	ug/Kg	142	*			79	127	
Pentachlorophenol	2400		2200	ug/Kg	92				47	128	
Phenanthrene	1200	380	1500	ug/Kg	93				52	128	
Anthracene	1200	82.6	1300	ug/Kg	101				62	124	
Carbazole	1200		1100	ug/Kg	92				59	119	
Di-n-butylphthalate	1200		1300	ug/Kg	108				69	118	
Fluoranthene	1200	470	1400	ug/Kg	78				44	125	
Benzydine	2400		1100	ug/Kg	46				10	119	
Pyrene	1200	410	1500	ug/Kg	91				26	142	
Butylbenzylphthalate	1200		1300	ug/Kg	108				64	126	
3,3-Dichlorobenzidine	1200		670	ug/Kg	56				33	116	
Benzo(a)anthracene	1200	270	1400	ug/Kg	94				71	114	
Chrysene	1200	250	1300	ug/Kg	88				57	121	
bis(2-Ethylhexyl)phthalate	1200		1400	ug/Kg	117				42	169	
Di-n-octyl phthalate	1200		1400	ug/Kg	117				23	175	
Benzo(b)fluoranthene	1200	280	1400	ug/Kg	93				67	121	
Benzo(k)fluoranthene	1200	130	1200	ug/Kg	89				57	134	
Benzo(a)pyrene	1200	230	1400	ug/Kg	98				70	142	
Indeno(1,2,3-cd)pyrene	1200	87.8	1100	ug/Kg	84				40	129	
Dibenz(a,h)anthracene	1200		1000	ug/Kg	83				43	123	
Benzo(g,h,i)perylene	1200	110	940	ug/Kg	69				24	125	
1,2,4,5-Tetrachlorobenzene	1200		1200	ug/Kg	100				69	124	
1,4-Dioxane	1200		890	ug/Kg	74				46	112	
2,3,4,6-Tetrachlorophenol	1200		1000	ug/Kg	83				69	112	
1-Methylnaphthalene	1200		1000	ug/Kg	83				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF091624

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3947-01MSD		Client Sample ID: RW-1MSD		DataFile: BF139385.D							
n-Nitrosodimethylamine	1200		1100	ug/Kg	92		10		66	124	20
Pyridine	1200		1100	ug/Kg	92		10		45	119	20
Benzaldehyde	1200		340	ug/Kg	28		4		10	86	20
Aniline	1200		830	ug/Kg	69		12		10	88	20
Phenol	1200		1100	ug/Kg	92		0		67	126	20
bis(2-Chloroethyl)ether	1200		1100	ug/Kg	92		0		54	125	20
2-Chlorophenol	1200		1100	ug/Kg	92		0		79	107	20
1,2-Dichlorobenzene	1200		1100	ug/Kg	92		10		61	105	20
1,3-Dichlorobenzene	1200		1100	ug/Kg	92		10		62	101	20
1,4-Dichlorobenzene	1200		1100	ug/Kg	92		10		63	104	20
Benzyl Alcohol	1200		1200	ug/Kg	100		8		47	126	20
2-Methylphenol	1200		1200	ug/Kg	100		8		66	122	20
2,2-oxybis(1-Chloropropane)	1200		1300	ug/Kg	108		8		65	110	20
Acetophenone	1200		1200	ug/Kg	100		8		75	111	20
3+4-Methylphenols	1200		1100	ug/Kg	92		0		66	104	20
N-Nitroso-di-n-propylamine	1200		1200	ug/Kg	100		0		59	119	20
Hexachloroethane	1200		1100	ug/Kg	92		10		65	117	20
Nitrobenzene	1200		1100	ug/Kg	92		0		70	119	20
Isophorone	1200		1200	ug/Kg	100		0		76	122	20
2-Nitrophenol	1200		1200	ug/Kg	100		8		54	145	20
2,4-Dimethylphenol	1200		1400	ug/Kg	117		0		44	135	20
bis(2-Chloroethoxy)methane	1200		1200	ug/Kg	100		0		68	112	20
2,4-Dichlorophenol	1200		1100	ug/Kg	92		0		72	118	20
1,2,4-Trichlorobenzene	1200		1100	ug/Kg	92		10		57	103	20
Benzoic acid	1200		1100	ug/Kg	92		10		50	104	20
Naphthalene	1200		1100	ug/Kg	92		0		72	110	20
4-Chloroaniline	1200		280	ug/Kg	23		14		10	91	20
Hexachlorobutadiene	1200		1100	ug/Kg	92		10		66	114	20
Caprolactam	1200		1100	ug/Kg	92		10		51	134	20
4-Chloro-3-methylphenol	1200		1100	ug/Kg	92		0		57	132	20
2-Methylnaphthalene	1200		1100	ug/Kg	92		0		59	123	20
Hexachlorocyclopentadiene	2400		2500	ug/Kg	104		12		10	175	20
2,4,6-Trichlorophenol	1200		1200	ug/Kg	100		0		72	117	20
2,4,5-Trichlorophenol	1200		1200	ug/Kg	100		8		72	117	20
1,1-Biphenyl	1200		1200	ug/Kg	100		0		75	113	20
2-Chloronaphthalene	1200		1200	ug/Kg	100		8		67	118	20
2-Nitroaniline	1200		1200	ug/Kg	100		8		69	127	20
Dimethylphthalate	1200		1300	ug/Kg	108		8		70	113	20
Acenaphthylene	1200		1200	ug/Kg	100		0		79	118	20
2,6-Dinitrotoluene	1200		1100	ug/Kg	92		0		70	125	20
3-Nitroaniline	1200		760	ug/Kg	63		10		30	99	20
Acenaphthene	1200		1200	ug/Kg	100		0		70	121	20
Total PAH	19200	2700.4	20800	ug/Kg	108		4		70	121	20
2,4-Dinitrophenol	2400		1500	ug/Kg	63		17		10	155	20
4-Nitrophenol	2400		1900	ug/Kg	79		5		45	133	20
Dibenzofuran	1200		1100	ug/Kg	92		0		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF091624

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1200		1100	ug/Kg	92		10		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2400		2200	ug/Kg	92		4		55	128	20
Diethylphthalate	1200		1200	ug/Kg	100		8		70	112	20
4-Chlorophenyl-phenylether	1200		1100	ug/Kg	92		0		71	108	20
Fluorene	1200		1100	ug/Kg	92		0		68	116	20
4-Nitroaniline	1200		850	ug/Kg	71		6		55	120	20
4,6-Dinitro-2-methylphenol	1200		970	ug/Kg	81		13		10	160	20
N-Nitrosodiphenylamine	1200		1400	ug/Kg	117		8		73	118	20
Azobenzene	1200		1200	ug/Kg	100		0		73	110	20
4-Bromophenyl-phenylether	1200		1300	ug/Kg	108		0		65	121	20
Hexachlorobenzene	1200		1200	ug/Kg	100		0		67	118	20
Atrazine	1200		1800	ug/Kg	150	*	5		79	127	20
Pentachlorophenol	2400		2400	ug/Kg	100		8		47	128	20
Phenanthrene	1200	380	1600	ug/Kg	102		9		52	128	20
Anthracene	1200	82.6	1300	ug/Kg	101		0		62	124	20
Carbazole	1200		1200	ug/Kg	100		8		59	119	20
Di-n-butylphthalate	1200		1300	ug/Kg	108		0		69	118	20
Fluoranthene	1200	470	1600	ug/Kg	94		19		44	125	20
Benzidine	2400		1400	ug/Kg	58		23	*	10	119	20
Pyrene	1200	410	1600	ug/Kg	99		8		26	142	20
Butylbenzylphthalate	1200		1400	ug/Kg	117		8		64	126	20
3,3-Dichlorobenzidine	1200		860	ug/Kg	72		25	*	33	116	20
Benzo(a)anthracene	1200	270	1400	ug/Kg	94		0		71	114	20
Chrysene	1200	250	1400	ug/Kg	96		9		57	121	20
bis(2-Ethylhexyl)phthalate	1200		1500	ug/Kg	125		7		42	169	20
Di-n-octyl phthalate	1200		1400	ug/Kg	117		0		23	175	20
Benzo(b)fluoranthene	1200	280	1400	ug/Kg	93		0		67	121	20
Benzo(k)fluoranthene	1200	130	1300	ug/Kg	98		10		57	134	20
Benzo(a)pyrene	1200	230	1400	ug/Kg	98		0		70	142	20
Indeno(1,2,3-cd)pyrene	1200	87.8	1100	ug/Kg	84		0		40	129	20
Dibenz(a,h)anthracene	1200		1100	ug/Kg	92		10		43	123	20
Benzo(g,h,i)perylene	1200	110	1000	ug/Kg	74		7		24	125	20
1,2,4,5-Tetrachlorobenzene	1200		1200	ug/Kg	100		0		69	124	20
1,4-Dioxane	1200		960	ug/Kg	80		8		46	112	20
2,3,4,6-Tetrachlorophenol	1200		1100	ug/Kg	92		10		69	112	20
1-Methylnaphthalene	1200		1100	ug/Kg	92		10		70	130	20

Surrogate Summary

SW-846

SDG No.: **BF091624**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3929-01	BIN-2	BF139382.D	2-Fluorophenol	150	95.66	64		18	112
			Phenol-d6	150	97.30	65		15	107
			Nitrobenzene-d5	100	65.40	65		18	107
			2-Fluorobiphenyl	100	68.42	68		20	109
			2,4,6-Tribromophenol	150	88.86	59		10	116
			Terphenyl-d14	100	65.91	66		10	105
P3929-03	72-11930	BF139381.D	2-Fluorophenol	150	115.30	77		18	112
			Phenol-d6	150	116.05	77		15	107
			Nitrobenzene-d5	100	81.60	82		18	107
			2-Fluorobiphenyl	100	80.23	80		20	109
			2,4,6-Tribromophenol	150	116.38	78		10	116
			Terphenyl-d14	100	97.47	97		10	105
P3930-01	DN-B-33	BF139386.D	2-Fluorophenol	150	78.62	52		18	112
			Phenol-d6	150	77.75	52		15	107
			Nitrobenzene-d5	100	55.03	55		18	107
			2-Fluorobiphenyl	100	60.66	61		20	109
			2,4,6-Tribromophenol	150	68.08	45		10	116
			Terphenyl-d14	100	58.68	59		10	105
P3930-02RE	DN-B-34RE	BF139387.D	2-Fluorophenol	150	15.43	10	*	18	112
			Phenol-d6	150	15.93	11	*	15	107
			Nitrobenzene-d5	100	11.96	12	*	18	107
			2-Fluorobiphenyl	100	13.64	14	*	20	109
			2,4,6-Tribromophenol	150	13.42	9	*	10	116
			Terphenyl-d14	100	12.40	12		10	105

Surrogate Summary

SW-846

SDG No.: **BF091624**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3845-06	PT-ACIDS-WP	BF139379.D	2-Fluorophenol	150	141.29	94		10	139
			Phenol-d6	150	139.91	93		10	134
			Nitrobenzene-d5	100	96.24	96		49	133
			2-Fluorobiphenyl	100	97.40	97		52	132
			2,4,6-Tribromophenol	150	147.53	98		44	137
			Terphenyl-d14	100	97.32	97		48	125
P3845-06DL	PT-ACIDS-WPDL	BF139380.D	2-Fluorophenol	150	123.05	82		10	139
			Phenol-d6	150	123.92	83		10	134
			Nitrobenzene-d5	100	86.45	86		49	133
			2-Fluorobiphenyl	100	90.69	91		52	132
			2,4,6-Tribromophenol	150	127.21	85		44	137
			Terphenyl-d14	100	94.79	95		48	125
PB163318BL	PB163318BL	BF139378.D	2-Fluorophenol	150	120.88	81		10	139
			Phenol-d6	150	119.40	80		10	134
			Nitrobenzene-d5	100	81.90	82		49	133
			2-Fluorobiphenyl	100	81.70	82		52	132
			2,4,6-Tribromophenol	150	117.49	78		44	137
			Terphenyl-d14	100	85.05	85		48	125

Surrogate Summary

SW-846

SDG No.: **BF091624**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3947-01	RW-1	BF139383.D	2-Fluorophenol	150	128.30	86		18	112
			Phenol-d6	150	127.50	85		15	107
			Nitrobenzene-d5	100	90.90	91		18	107
			2-Fluorobiphenyl	100	88.99	89		20	109
			2,4,6-Tribromophenol	150	109.78	73		10	116
			Terphenyl-d14	100	73.42	73		10	105
P3947-01MS	RW-1MS	BF139384.D	2-Fluorophenol	150	110.35	74		18	112
			Phenol-d6	150	109.81	73		15	107
			Nitrobenzene-d5	100	78.49	78		18	107
			2-Fluorobiphenyl	100	79.18	79		20	109
			2,4,6-Tribromophenol	150	97.06	65		10	116
			Terphenyl-d14	100	69.96	70		10	105
P3947-01MSD	RW-1MSD	BF139385.D	2-Fluorophenol	150	117.71	78		18	112
			Phenol-d6	150	116.58	78		15	107
			Nitrobenzene-d5	100	84.74	85		18	107
			2-Fluorobiphenyl	100	83.96	84		20	109
			2,4,6-Tribromophenol	150	102.77	69		10	116
			Terphenyl-d14	100	74.07	74		10	105
P3962-01	TR-04-091124	BF139388.D	2-Fluorophenol	150	96.22	64		18	112
			Phenol-d6	150	95.80	64		15	107
			Nitrobenzene-d5	100	70.47	70		18	107
			2-Fluorobiphenyl	100	78.22	78		20	109
			2,4,6-Tribromophenol	150	84.78	57		10	116
			Terphenyl-d14	100	78.97	79		10	105

Surrogate Summary

SW-846

SDG No.: **BF091624**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3976-01	RW-2	BF139389.D	2-Fluorophenol	150	84.31	56		18	112
			Phenol-d6	150	82.60	55		15	107
			Nitrobenzene-d5	100	60.45	60		18	107
			2-Fluorobiphenyl	100	63.95	64		20	109
			2,4,6-Tribromophenol	150	77.18	51		10	116
			Terphenyl-d14	100	63.03	63		10	105
P3979-01	EO-03-091224	BF139390.D	2-Fluorophenol	150	77.97	52		18	112
			Phenol-d6	150	76.15	51		15	107
			Nitrobenzene-d5	100	57.69	58		18	107
			2-Fluorobiphenyl	100	62.57	63		20	109
			2,4,6-Tribromophenol	150	70.63	47		10	116
			Terphenyl-d14	100	65.61	66		10	105
P3980-01	HD-02-091224	BF139391.D	2-Fluorophenol	150	77.96	52		18	112
			Phenol-d6	150	76.00	51		15	107
			Nitrobenzene-d5	100	53.54	54		18	107
			2-Fluorobiphenyl	100	58.36	58		20	109
			2,4,6-Tribromophenol	150	66.92	45		10	116
			Terphenyl-d14	100	63.43	63		10	105

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF091624

Lab Code: CHEM

SAS No.: BF091624

SDG NO.: BF091624

Lab File ID: BF139376.D

DFTPP Injection Date: 09/16/2024

Instrument ID: BNA_F

DFTPP Injection Time: 10:09

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	48.9
68	Less than 2.0% of mass 69	0.8 (1.8) 1
69	Mass 69 relative abundance	43
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	50.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	26.3
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	12.7
442	Greater than 50% of mass 198	81.9
443	15.0 - 24.0% of mass 442	16 (19.5) 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	BF139377.D	09/16/2024	10:36
PB163318BL	PB163318BL	BF139378.D	09/16/2024	11:04
PT-ACIDS-WP	P3845-06	BF139379.D	09/16/2024	12:35
PT-ACIDS-WPDL	P3845-06DL	BF139380.D	09/16/2024	13:13
72-11930	P3929-03	BF139381.D	09/16/2024	16:30
BIN-2	P3929-01	BF139382.D	09/16/2024	16:58
RW-1	P3947-01	BF139383.D	09/16/2024	17:27
RW-1MS	P3947-01MS	BF139384.D	09/16/2024	17:55
RW-1MSD	P3947-01MSD	BF139385.D	09/16/2024	18:23
DN-B-33	P3930-01	BF139386.D	09/16/2024	18:51
DN-B-34RE	P3930-02RE	BF139387.D	09/16/2024	19:20
TR-04-091124	P3962-01	BF139388.D	09/16/2024	19:48
RW-2	P3976-01	BF139389.D	09/16/2024	20:16
EO-03-091224	P3979-01	BF139390.D	09/16/2024	20:44
HD-02-091224	P3980-01	BF139391.D	09/16/2024	21:12