

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF101624 SAS No.: BF101624 SDG No.: BF101624
Instrument ID: BNA_F Calibration Date/Time: 10/16/2024 : 10:38
Lab File ID: BF139822.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	0.750	0.719		-4.133	
Pyridine	1.262	1.220		-3.328	
2-Fluorophenol	1.185	1.132		-4.473	
Benzaldehyde	0.885	0.845		-4.52	
Aniline	1.358	1.229		-9.499	
Phenol-d6	1.576	1.529		-2.982	
Phenol	1.655	1.588		-4.048	20.0
bis(2-Chloroethyl) ether	1.234	1.204		-2.431	
2-Chlorophenol	1.251	1.204		-3.757	
1,2-Dichlorobenzene	1.317	1.264		-4.024	
1,3-Dichlorobenzene	1.415	1.337		-5.512	
1,4-Dichlorobenzene	1.419	1.351		-4.792	20.0
Benzyl Alcohol	1.135	1.091		-3.877	
2-Methylphenol	1.012	0.993		-1.877	
2,2-oxybis(1-Chloropropane)	2.163	2.064		-4.577	
Acetophenone	0.469	0.448		-4.478	
3+4-Methylphenols	1.273	1.226		-3.692	
n-Nitroso-di-n-propylamine	0.918	0.892	0.050	-2.832	
Nitrobenzene-d5	0.389	0.378		-2.828	
Hexachloroethane	0.514	0.493		-4.086	
Nitrobenzene	0.405	0.395		-2.469	
Isophorone	0.663	0.668		0.754	
2-Nitrophenol	0.176	0.180		2.273	20.0
2,4-Dimethylphenol	0.214	0.210		-1.869	
bis(2-Chloroethoxy) methane	0.407	0.402		-1.229	
2,4-Dichlorophenol	0.278	0.273		-1.799	20.0
1,2,4-Trichlorobenzene	0.316	0.314		-0.633	
Benzoic acid	0.198	0.214		8.081	
Naphthalene	1.031	1.008		-2.231	
4-Chloroaniline	0.338	0.324		-4.142	
Hexachlorobutadiene	0.201	0.194		-3.483	20.0
Caprolactam	0.078	0.087		11.538	
4-Chloro-3-methylphenol	0.295	0.301		2.034	20.0
2-Methylnaphthalene	0.646	0.635		-1.703	
Hexachlorocyclopentadiene	0.113	0.194	0.050	71.681	
2,4,6-Trichlorophenol	0.369	0.336		-8.943	20.0
2-Fluorobiphenyl	1.337	1.227		-8.227	
2,4,5-Trichlorophenol	0.396	0.372		-6.061	
1,1-Biphenyl	1.512	1.416		-6.349	

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.155	1.076		-6.84	
2-Nitroaniline	0.377	0.375		-0.531	
Dimethylphthalate	1.224	1.208		-1.307	
Acenaphthylene	1.697	1.612		-5.009	
2,6-Dinitrotoluene	0.279	0.282		1.075	
3-Nitroaniline	0.278	0.268		-3.597	
Acenaphthene	1.075	1.037		-3.535	20.0
2,4-Dinitrophenol	0.114	0.164	0.050	43.86	
4-Nitrophenol	0.168	0.250	0.050	48.81	
Dibenzofuran	1.612	1.530		-5.087	
2,4-Dinitrotoluene	0.345	0.356		3.188	
Diethylphthalate	1.191	1.196		0.42	
4-Chlorophenyl-phenylether	0.620	0.596		-3.871	
Fluorene	1.254	1.204		-3.987	
4-Nitroaniline	0.255	0.259		1.569	
4,6-Dinitro-2-methylphenol	0.105	0.106		0.952	
n-Nitrosodiphenylamine	0.633	0.592		-6.477	20.0
Azobenzene	1.242	1.216		-2.093	
2,4,6-Tribromophenol	0.169	0.165		-2.367	
4-Bromophenyl-phenylether	0.215	0.204		-5.116	
Hexachlorobenzene	0.241	0.225		-6.639	
Atrazine	0.118	0.131		11.017	
Pentachlorophenol	0.103	0.133		29.126	20.0
Phenanthrene	0.955	0.906		-5.131	
Anthracene	0.939	0.885		-5.751	
Carbazole	0.831	0.786		-5.415	
Di-n-butylphthalate	0.902	0.900		-0.222	
Fluoranthene	0.901	0.832		-7.658	20.0
Benzidine	0.334	0.430		28.743	
Pyrene	1.966	1.790		-8.952	
Terphenyl-d14	1.181	1.150		-2.625	
Butylbenzylphthalate	0.533	0.530		-0.563	
3,3-Dichlorobenzidine	0.443	0.442		-0.226	
Benzo(a)anthracene	1.328	1.278		-3.765	
Chrysene	1.211	1.168		-3.551	
Bis(2-ethylhexyl)phthalate	0.688	0.675		-1.89	
Di-n-octyl phthalate	1.279	1.254		-1.955	20.0
Benzo(b)fluoranthene	1.147	1.215		5.929	
Benzo(k)fluoranthene	1.018	0.887		-12.868	

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Lab File ID: BF139822.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	1.002	0.983		-1.896	20.0
Indeno(1,2,3-cd)pyrene	1.339	1.232		-7.991	
Dibenzo(a,h)anthracene	1.098	1.023		-6.831	
Benzo(g,h,i)perylene	1.152	1.043		-9.462	
1,2,4,5-Tetrachlorobenzene	0.581	0.540		-7.057	
1,4-Dioxane	0.516	0.502		-2.713	20.0
2,3,4,6-Tetrachlorophenol	0.294	0.278		-5.442	
1-Methylnaphthalene	0.629	0.621		-1.272	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	PB164123BL	SDG No.:	BF101624
Lab Sample ID:	PB164123BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139823.D	1	10/14/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164123

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.7	U	86.7	270	330	ug/Kg
110-86-1	Pyridine	79.8	U	79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.8	U	96.8	130	170	ug/Kg
108-95-2	Phenol	82.8	U	82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.6	U	83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.4	U	83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.5	U	84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	85.9	U	85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.4	U	86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	82.9	U	82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	80.5	U	80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.8	U	90.8	130	170	ug/Kg
98-86-2	Acetophenone	86.8	U	86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.7	U	79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	82.9	U	82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	90.7	U	90.7	130	170	ug/Kg
78-59-1	Isophorone	84.5	U	84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.4	U	94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.1	U	93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.7	U	85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.4	U	75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.3	U	85.3	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.5	U	82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.5	U	82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.2	U	83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	PB164123BL	SDG No.:	BF101624
Lab Sample ID:	PB164123BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139823.D	1	10/14/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164123

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.7	U	86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.3	U	71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.9	U	73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.3	U	87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.2	U	83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	94.9	U	94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.6	U	81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	86.4	U	86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.1	U	83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.1	U	89.1	130	170	ug/Kg
83-32-9	Acenaphthene	81	U	81	130	170	ug/Kg
Total PAH	Total PAH	1323.5	U	1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.3	U	84.3	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169.2	U	169.2	130	340	ug/Kg
84-66-2	Diethylphthalate	80	U	80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.5	U	85.5	130	170	ug/Kg
86-73-7	Fluorene	85.4	U	85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.5	U	81.5	130	170	ug/Kg
103-33-3	Azobenzene	79.5	U	79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.8	U	78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	84.9	U	84.9	130	170	ug/Kg
1912-24-9	Atrazine	91.3	U	91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	PB164123BL	SDG No.:	BF101624
Lab Sample ID:	PB164123BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139823.D	1	10/14/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164123

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.6	U	74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	141.908		18-112		95	SPK: -150
13127-88-3	Phenol-d6	138.74		15-107		92	SPK: -150
4165-60-0	Nitrobenzene-d5	94.956		18-107		95	SPK: -100
321-60-8	2-Fluorobiphenyl	89.612		20-109		90	SPK: -100

Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	PB164123BL	SDG No.:	BF101624
Lab Sample ID:	PB164123BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139823.D	1	10/14/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164123

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	141.907		10-116		95	SPK: -150
1718-51-0	Terphenyl-d14	151.252	*	10-105		151	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	88705	6.851				
1146-65-2	Naphthalene-d8	341905	8.133				
15067-26-2	Acenaphthene-d10	193323	9.886				
1517-22-2	Phenanthrene-d10	357793	11.369				
1719-03-5	Chrysene-d12	179537	14.01				
1520-96-3	Perylene-d12	171426	15.474				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	170	J			2.187	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	A			5.087	

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	WASTE-WATER-FRAC-TANK	SDG No.:	BF101624
Lab Sample ID:	P4396-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	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
BF139824.D	1	10/15/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8.1	10.1	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5.1	ug/L
100-52-7	Benzaldehyde	4	U	4	8.1	10.1	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5.1	ug/L
108-95-2	Phenol	0.94	U	0.94	4	5.1	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5.1	ug/L
95-57-8	2-Chlorophenol	0.72	U	0.72	4	5.1	ug/L
95-50-1	1,2-Dichlorobenzene	0.89	U	0.89	4	5.1	ug/L
541-73-1	1,3-Dichlorobenzene	0.81	U	0.81	4	5.1	ug/L
106-46-7	1,4-Dichlorobenzene	0.85	U	0.85	4	5.1	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8.1	10.1	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5.1	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5.1	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5.1	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8.1	10.1	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	5.1	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5.1	ug/L
78-59-1	Isophorone	1.2	U	1.2	4	5.1	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5.1	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5.1	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5.1	ug/L
120-83-2	2,4-Dichlorophenol	0.89	U	0.89	4	5.1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5.1	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8.1	10.1	ug/L
91-20-3	Naphthalene	1	U	1	4	5.1	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5.1	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5.1	ug/L

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	WASTE-WATER-FRAC-TANK	SDG No.:	BF101624
Lab Sample ID:	P4396-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	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
BF139824.D	1	10/15/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8.1	10.1	ug/L
59-50-7	4-Chloro-3-methylphenol	0.85	U	0.85	4	5.1	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5.1	ug/L
77-47-4	Hexachlorocyclopentadiene	5.1	U	5.1	8.1	10.1	ug/L
88-06-2	2,4,6-Trichlorophenol	0.9	U	0.9	4	5.1	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5.1	ug/L
92-52-4	1,1-Biphenyl	0.92	U	0.92	4	5.1	ug/L
91-58-7	2-Chloronaphthalene	0.98	U	0.98	4	5.1	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5.1	ug/L
131-11-3	Dimethylphthalate	0.94	U	0.94	4	5.1	ug/L
208-96-8	Acenaphthylene	1.1	U	1.1	4	5.1	ug/L
606-20-2	2,6-Dinitrotoluene	1.3	U	1.3	4	5.1	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5.1	ug/L
83-32-9	Acenaphthene	0.82	U	0.82	4	5.1	ug/L
Total PAH	Total PAH	17.61	U	17.61	4	81.6	ug/L
51-28-5	2,4-Dinitrophenol	6.5	U	6.5	8.1	10.1	ug/L
100-02-7	4-Nitrophenol	2	U	2	8.1	10.1	ug/L
132-64-9	Dibenzofuran	0.94	U	0.94	4	5.1	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5.1	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.8	U	2.8	4	10.2	ug/L
84-66-2	Diethylphthalate	1.1	U	1.1	4	5.1	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.99	U	0.99	4	5.1	ug/L
86-73-7	Fluorene	0.97	U	0.97	4	5.1	ug/L
100-01-6	4-Nitroaniline	2.1	U	2.1	4	5.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8.1	10.1	ug/L
86-30-6	n-Nitrosodiphenylamine	0.9	U	0.9	4	5.1	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5.1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.96	U	0.96	4	5.1	ug/L
118-74-1	Hexachlorobenzene	1.2	U	1.2	4	5.1	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5.1	ug/L

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	WASTE-WATER-FRAC-TANK	SDG No.:	BF101624
Lab Sample ID:	P4396-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	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
BF139824.D	1	10/15/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8.1	10.1	ug/L
85-01-8	Phenanthrene	0.9	U	0.9	4	5.1	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5.1	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5.1	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5.1	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5.1	ug/L
92-87-5	Benzidine	4.1	U	4.1	8.1	10.1	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5.1	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5.1	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8.1	10.1	ug/L
56-55-3	Benzo(a)anthracene	0.95	U	0.95	4	5.1	ug/L
218-01-9	Chrysene	0.87	U	0.87	4	5.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5.1	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8.1	10.1	ug/L
205-99-2	Benzo(b)fluoranthene	1.2	U	1.2	4	5.1	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5.1	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5.1	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5.1	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5.1	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5.1	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.8	U	0.8	4	5.1	ug/L
90-12-0	1-Methylnaphthalene	0.87	U	0.87	4	5.1	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	64.758		10-139		43	SPK: -150
13127-88-3	Phenol-d6	38.85		10-134		26	SPK: -150
4165-60-0	Nitrobenzene-d5	97.495		49-133		97	SPK: -100
321-60-8	2-Fluorobiphenyl	86.896		52-132		87	SPK: -100

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	WASTE-WATER-FRAC-TANK	SDG No.:	BF101624
Lab Sample ID:	P4396-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
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
BF139824.D	1	10/15/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	141.457		44-137		94	SPK: -150
1718-51-0	Terphenyl-d14	111.39		48-125		111	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	76888	6.851				
1146-65-2	Naphthalene-d8	288995	8.133				
15067-26-2	Acenaphthene-d10	159371	9.886				
1517-22-2	Phenanthrene-d10	271489	11.369				
1719-03-5	Chrysene-d12	131574	14.01				
1520-96-3	Perylene-d12	167034	15.474				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4	A			5.057	
	unknown6.798	7.2	J			6.798	
	unknown7.481	4.3	J			7.481	
000078-40-0	Triethyl phosphate	7.5	J			7.563	
000536-50-5	Benzenemethanol, .alpha.,4-dimethy	6.7	J			8.016	
000095-16-9	Benzothiazole	9.1	J			8.41	
	unknown8.463	7.3	J			8.463	
	unknown8.822	4.4	J			8.822	
000119-61-9	Benzophenone	11.8	J			10.604	
025413-61-0	1-Propanamine, N-ethyl-N-nitroso-	15	J			10.922	
	unknown11.469	6.9	J			11.469	
	unknown11.739	7	J			11.739	
000057-10-3	n-Hexadecanoic acid	11.8	J			11.892	
000057-11-4	Octadecanoic acid	3.9	J			12.674	
959085-66-6	Heptadecyl heptafluorobutyrate	4.4	J			13.851	
	unknown14.527	5.8	J			14.527	
	unknown14.710	6	J			14.71	
	unknown14.821	9.1	J			14.821	
059970-38-6	4-tert-Butylphenol mesylate	12.2	J			15.592	

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	WASTE-WATER-FRAC-TANK	SDG No.:	BF101624
Lab Sample ID:	P4396-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990 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
BF139824.D	1	10/15/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
004736-95-2	22-Stigmasten-3-one	5.3	J			17.115	

Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	Hawthorne TP Soil	SDG No.:	BF101624
Lab Sample ID:	P4403-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
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
BF139825.D	1	10/15/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	57.2	U	57.2	180	220	ug/Kg
110-86-1	Pyridine	52.6	U	52.6	85.6	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	63.8	U	63.8	85.6	110	ug/Kg
108-95-2	Phenol	54.6	U	54.6	85.6	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	55.1	U	55.1	85.6	110	ug/Kg
95-57-8	2-Chlorophenol	55	U	55	85.6	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	55.7	U	55.7	85.6	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	56.6	U	56.6	85.6	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	57	U	57	85.6	110	ug/Kg
100-51-6	Benzyl Alcohol	54.6	U	54.6	180	220	ug/Kg
95-48-7	2-Methylphenol	53.1	U	53.1	85.6	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	59.9	U	59.9	85.6	110	ug/Kg
98-86-2	Acetophenone	57.2	U	57.2	85.6	110	ug/Kg
65794-96-9	3+4-Methylphenols	52.5	U	52.5	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	26.5	U	26.5	52.7	52.7	ug/Kg
67-72-1	Hexachloroethane	54.6	U	54.6	85.6	110	ug/Kg
98-95-3	Nitrobenzene	59.8	U	59.8	85.6	110	ug/Kg
78-59-1	Isophorone	55.7	U	55.7	85.6	110	ug/Kg
88-75-5	2-Nitrophenol	62.2	U	62.2	85.6	110	ug/Kg
105-67-9	2,4-Dimethylphenol	61.4	U	61.4	85.6	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	56.5	U	56.5	85.6	110	ug/Kg
120-83-2	2,4-Dichlorophenol	49.7	U	49.7	85.6	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	56.2	U	56.2	85.6	110	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	54.4	U	54.4	85.6	110	ug/Kg
106-47-8	4-Chloroaniline	54.4	U	54.4	85.6	110	ug/Kg
87-68-3	Hexachlorobutadiene	54.8	U	54.8	85.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	Hawthorne TP Soil	SDG No.:	BF101624
Lab Sample ID:	P4403-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139825.D	1	10/15/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	57.2	U	57.2	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	51	U	51	85.6	110	ug/Kg
91-57-6	2-Methylnaphthalene	54.3	U	54.3	85.6	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	47	U	47	85.6	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	48.7	U	48.7	85.6	110	ug/Kg
92-52-4	1,1-Biphenyl	57.5	U	57.5	85.6	110	ug/Kg
91-58-7	2-Chloronaphthalene	54.8	U	54.8	85.6	110	ug/Kg
88-74-4	2-Nitroaniline	62.5	U	62.5	85.6	110	ug/Kg
131-11-3	Dimethylphthalate	53.8	U	53.8	85.6	110	ug/Kg
208-96-8	Acenaphthylene	57	U	57	85.6	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	54.8	U	54.8	85.6	110	ug/Kg
99-09-2	3-Nitroaniline	58.7	U	58.7	85.6	110	ug/Kg
83-32-9	Acenaphthene	53.4	U	53.4	85.6	110	ug/Kg
Total PAH	Total PAH	872.4	U	872.4	85.6	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	76.4	U	76.4	180	220	ug/Kg
132-64-9	Dibenzofuran	55.6	U	55.6	85.6	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	56.8	U	56.8	85.6	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	111.6	U	111.6	85.6	220	ug/Kg
84-66-2	Diethylphthalate	52.7	U	52.7	85.6	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	56.4	U	56.4	85.6	110	ug/Kg
86-73-7	Fluorene	56.3	U	56.3	85.6	110	ug/Kg
100-01-6	4-Nitroaniline	70.5	U	70.5	85.6	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	77	U	77	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	53.7	U	53.7	85.6	110	ug/Kg
103-33-3	Azobenzene	52.4	U	52.4	85.6	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	51.9	U	51.9	85.6	110	ug/Kg
118-74-1	Hexachlorobenzene	56	U	56	85.6	110	ug/Kg
1912-24-9	Atrazine	60.2	U	60.2	85.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	Hawthorne TP Soil	SDG No.:	BF101624
Lab Sample ID:	P4403-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
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
BF139825.D	1	10/15/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	50.9	U	50.9	180	220	ug/Kg
85-01-8	Phenanthrene	55.3	U	55.3	85.6	110	ug/Kg
120-12-7	Anthracene	55.6	U	55.6	85.6	110	ug/Kg
86-74-8	Carbazole	52.9	U	52.9	85.6	110	ug/Kg
84-74-2	Di-n-butylphthalate	55.5	U	55.5	85.6	110	ug/Kg
206-44-0	Fluoranthene	53.8	U	53.8	85.6	110	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	54.6	U	54.6	85.6	110	ug/Kg
85-68-7	Butylbenzylphthalate	63.7	U	63.7	85.6	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	64.9	U	64.9	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	53.1	U	53.1	85.6	110	ug/Kg
218-01-9	Chrysene	52.3	U	52.3	85.6	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.9	U	59.9	85.6	110	ug/Kg
117-84-0	Di-n-octyl phthalate	72.4	U	72.4	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	53.4	U	53.4	85.6	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	54.4	U	54.4	85.6	110	ug/Kg
50-32-8	Benzo(a)pyrene	61.2	U	61.2	85.6	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	51.4	U	51.4	85.6	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	53.5	U	53.5	85.6	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	52.7	U	52.7	85.6	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57.2	U	57.2	85.6	110	ug/Kg
123-91-1	1,4-Dioxane	72.4	U	72.4	85.6	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.2	U	49.2	85.6	110	ug/Kg
90-12-0	1-Methylnaphthalene	54.8	U	54.8	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	112.739		18-112		75	SPK: -150
13127-88-3	Phenol-d6	111.224		15-107		74	SPK: -150
4165-60-0	Nitrobenzene-d5	75.193		18-107		75	SPK: -100
321-60-8	2-Fluorobiphenyl	73.653		20-109		74	SPK: -100

Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	Hawthorne TP Soil	SDG No.:	BF101624
Lab Sample ID:	P4403-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139825.D	1	10/15/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	114.432		10-116		76	SPK: -150
1718-51-0	Terphenyl-d14	94.123		10-105		94	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	79495	6.851				
1146-65-2	Naphthalene-d8	305819	8.133				
15067-26-2	Acenaphthene-d10	165101	9.886				
1517-22-2	Phenanthrene-d10	289532	11.369				
1719-03-5	Chrysene-d12	150106	14.01				
1520-96-3	Perylene-d12	173852	15.474				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	140	A			5.063	
000119-61-9	Benzophenone	100	J			10.598	
000057-10-3	n-Hexadecanoic acid	140	J			11.892	
006385-15-5	Heptafluorobutyric acid, hexadecyl	110	J			13.851	

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	F05308-SOLID	SDG No.:	BF101624
Lab Sample ID:	P4395-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.4
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
BF139826.D	1	10/14/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164123

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	63.8	U	63.8	200	240	ug/Kg
110-86-1	Pyridine	58.7	U	58.7	95.5	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	200	240	ug/Kg
62-53-3	Aniline	71.2	U	71.2	95.5	120	ug/Kg
108-95-2	Phenol	60.9	U	60.9	95.5	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	61.5	U	61.5	95.5	120	ug/Kg
95-57-8	2-Chlorophenol	61.3	U	61.3	95.5	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	62.1	U	62.1	95.5	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	63.2	U	63.2	95.5	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	63.5	U	63.5	95.5	120	ug/Kg
100-51-6	Benzyl Alcohol	61	U	61	200	240	ug/Kg
95-48-7	2-Methylphenol	59.2	U	59.2	95.5	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	66.8	U	66.8	95.5	120	ug/Kg
98-86-2	Acetophenone	63.8	U	63.8	95.5	120	ug/Kg
65794-96-9	3+4-Methylphenols	58.6	U	58.6	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	29.6	U	29.6	58.8	58.8	ug/Kg
67-72-1	Hexachloroethane	61	U	61	95.5	120	ug/Kg
98-95-3	Nitrobenzene	66.7	U	66.7	95.5	120	ug/Kg
78-59-1	Isophorone	62.1	U	62.1	95.5	120	ug/Kg
88-75-5	2-Nitrophenol	69.4	U	69.4	95.5	120	ug/Kg
105-67-9	2,4-Dimethylphenol	68.5	U	68.5	95.5	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	63	U	63	95.5	120	ug/Kg
120-83-2	2,4-Dichlorophenol	55.5	U	55.5	95.5	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	62.7	U	62.7	95.5	120	ug/Kg
65-85-0	Benzoic acid	170	U	170	200	240	ug/Kg
91-20-3	Naphthalene	60.7	U	60.7	95.5	120	ug/Kg
106-47-8	4-Chloroaniline	60.7	U	60.7	95.5	120	ug/Kg
87-68-3	Hexachlorobutadiene	61.2	U	61.2	95.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	F05308-SOLID	SDG No.:	BF101624
Lab Sample ID:	P4395-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.4
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
BF139826.D	1	10/14/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164123

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	63.8	U	63.8	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	56.9	U	56.9	95.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	60.6	U	60.6	95.5	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	52.4	U	52.4	95.5	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	54.4	U	54.4	95.5	120	ug/Kg
92-52-4	1,1-Biphenyl	64.2	U	64.2	95.5	120	ug/Kg
91-58-7	2-Chloronaphthalene	61.2	U	61.2	95.5	120	ug/Kg
88-74-4	2-Nitroaniline	69.8	U	69.8	95.5	120	ug/Kg
131-11-3	Dimethylphthalate	60	U	60	95.5	120	ug/Kg
208-96-8	Acenaphthylene	63.5	U	63.5	95.5	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	61.1	U	61.1	95.5	120	ug/Kg
99-09-2	3-Nitroaniline	65.5	U	65.5	95.5	120	ug/Kg
83-32-9	Acenaphthene	59.6	U	59.6	95.5	120	ug/Kg
Total PAH	Total PAH	973.4	U	973.4	95.5	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	200	240	ug/Kg
100-02-7	4-Nitrophenol	85.2	U	85.2	200	240	ug/Kg
132-64-9	Dibenzofuran	62	U	62	95.5	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	63.3	U	63.3	95.5	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	124.4	U	124.4	95.5	240	ug/Kg
84-66-2	Diethylphthalate	58.8	U	58.8	95.5	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	62.9	U	62.9	95.5	120	ug/Kg
86-73-7	Fluorene	62.8	U	62.8	95.5	120	ug/Kg
100-01-6	4-Nitroaniline	78.6	U	78.6	95.5	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	85.9	U	85.9	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	59.9	U	59.9	95.5	120	ug/Kg
103-33-3	Azobenzene	58.5	U	58.5	95.5	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	58	U	58	95.5	120	ug/Kg
118-74-1	Hexachlorobenzene	62.4	U	62.4	95.5	120	ug/Kg
1912-24-9	Atrazine	67.1	U	67.1	95.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	F05308-SOLID	SDG No.:	BF101624
Lab Sample ID:	P4395-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.4
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
BF139826.D	1	10/14/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164123

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	56.8	U	56.8	200	240	ug/Kg
85-01-8	Phenanthrene	61.7	U	61.7	95.5	120	ug/Kg
120-12-7	Anthracene	62	U	62	95.5	120	ug/Kg
86-74-8	Carbazole	59	U	59	95.5	120	ug/Kg
84-74-2	Di-n-butylphthalate	61.9	U	61.9	95.5	120	ug/Kg
206-44-0	Fluoranthene	120		60	95.5	120	ug/Kg
92-87-5	Benzidine	120	U	120	200	240	ug/Kg
129-00-0	Pyrene	86	J	61	95.5	120	ug/Kg
85-68-7	Butylbenzylphthalate	71.1	U	71.1	95.5	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	72.4	U	72.4	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	73.5	J	59.3	95.5	120	ug/Kg
218-01-9	Chrysene	79.8	J	58.4	95.5	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	66.8	U	66.8	95.5	120	ug/Kg
117-84-0	Di-n-octyl phthalate	80.8	U	80.8	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	88.9	J	59.6	95.5	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	60.7	U	60.7	95.5	120	ug/Kg
50-32-8	Benzo(a)pyrene	73.3	J	68.3	95.5	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	57.4	U	57.4	95.5	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	59.6	U	59.6	95.5	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	58.8	U	58.8	95.5	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	63.8	U	63.8	95.5	120	ug/Kg
123-91-1	1,4-Dioxane	80.8	U	80.8	95.5	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54.9	U	54.9	95.5	120	ug/Kg
90-12-0	1-Methylnaphthalene	61.1	U	61.1	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	90.789		18-112		61	SPK: -150
13127-88-3	Phenol-d6	86.727		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	60.667		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	55.268		20-109		55	SPK: -100

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	F05308-SOLID	SDG No.:	BF101624
Lab Sample ID:	P4395-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.4
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
BF139826.D	1	10/14/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164123

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	80.588		10-116		54	SPK: -150
1718-51-0	Terphenyl-d14	35.189		10-105		35	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	84185	6.851				
1146-65-2	Naphthalene-d8	307995	8.134				
15067-26-2	Acenaphthene-d10	159578	9.886				
1517-22-2	Phenanthrene-d10	242858	11.369				
1719-03-5	Chrysene-d12	170041	14.01				
1520-96-3	Perylene-d12	180026	15.474				
TENTATIVE IDENTIFIED COMPOUNDS							
005911-04-6	Nonane, 3-methyl-	190	J			6.098	
007094-26-0	Cyclohexane, 1,1,2-trimethyl-	300	J			6.381	
004516-69-2	Cyclopentane, 1,1,3-trimethyl-	150	J			6.598	
	unknown6.628	120	J			6.628	
002801-84-5	Decane, 2,4-dimethyl-	130	J			6.769	
	unknown6.992	170	J			6.992	
071186-27-1	1-Ethyl-2,2,6-trimethylcyclohexane	160	J			7.122	
	unknown7.487	190	J			7.487	
000464-48-2	Bicyclo[2.2.1]heptan-2-one, 1,7,7-	140	J			7.657	
002051-30-1	Octane, 2,6-dimethyl-	240	J			8.551	
074645-98-0	Dodecane, 2,7,10-trimethyl-	200	J			9.151	
	unknown9.286	150	J			9.286	
	unknown9.598	350	J			9.598	
	unknown9.792	120	J			9.792	
002245-38-7	Naphthalene, 1,6,7-trimethyl-	160	J			10.128	
000119-61-9	Benzophenone	310	J			10.598	
055045-07-3	Dodecane, 2-methyl-8-propyl-	160	J			10.792	
003910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trime	140	J			10.975	
000613-33-2	4,4-Dimethylbiphenyl	140	J			11.01	

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	F05308-SOLID	SDG No.:	BF101624
Lab Sample ID:	P4395-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.4
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
BF139826.D	1	10/14/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164123

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000057-10-3	n-Hexadecanoic acid	170	J			11.892	

Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	NB-08-101424	SDG No.:	BF101624
Lab Sample ID:	P4400-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.2
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
BF139827.D	3	10/15/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	170	U	170	530	650	ug/Kg
110-86-1	Pyridine	160	U	160	250	330	ug/Kg
100-52-7	Benzaldehyde	360	U	360	530	650	ug/Kg
62-53-3	Aniline	190	U	190	250	330	ug/Kg
108-95-2	Phenol	160	U	160	250	330	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	160	U	160	250	330	ug/Kg
95-57-8	2-Chlorophenol	160	U	160	250	330	ug/Kg
95-50-1	1,2-Dichlorobenzene	170	U	170	250	330	ug/Kg
541-73-1	1,3-Dichlorobenzene	170	U	170	250	330	ug/Kg
106-46-7	1,4-Dichlorobenzene	170	U	170	250	330	ug/Kg
100-51-6	Benzyl Alcohol	160	U	160	530	650	ug/Kg
95-48-7	2-Methylphenol	160	U	160	250	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	180	U	180	250	330	ug/Kg
98-86-2	Acetophenone	170	U	170	250	330	ug/Kg
65794-96-9	3+4-Methylphenols	160	U	160	530	650	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	78.9	U	78.9	160	160	ug/Kg
67-72-1	Hexachloroethane	160	U	160	250	330	ug/Kg
98-95-3	Nitrobenzene	180	U	180	250	330	ug/Kg
78-59-1	Isophorone	170	U	170	250	330	ug/Kg
88-75-5	2-Nitrophenol	190	U	190	250	330	ug/Kg
105-67-9	2,4-Dimethylphenol	180	U	180	250	330	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	170	250	330	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	150	250	330	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	170	U	170	250	330	ug/Kg
65-85-0	Benzoic acid	460	U	460	530	650	ug/Kg
91-20-3	Naphthalene	160	U	160	250	330	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	250	330	ug/Kg
87-68-3	Hexachlorobutadiene	160	U	160	250	330	ug/Kg

Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	NB-08-101424	SDG No.:	BF101624
Lab Sample ID:	P4400-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.2
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
BF139827.D	3	10/15/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	170	U	170	530	650	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	150	250	330	ug/Kg
91-57-6	2-Methylnaphthalene	160	U	160	250	330	ug/Kg
77-47-4	Hexachlorocyclopentadiene	310	U	310	530	650	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	140	250	330	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	140	250	330	ug/Kg
92-52-4	1,1-Biphenyl	170	U	170	250	330	ug/Kg
91-58-7	2-Chloronaphthalene	160	U	160	250	330	ug/Kg
88-74-4	2-Nitroaniline	190	U	190	250	330	ug/Kg
131-11-3	Dimethylphthalate	160	U	160	250	330	ug/Kg
208-96-8	Acenaphthylene	170	U	170	250	330	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	U	160	250	330	ug/Kg
99-09-2	3-Nitroaniline	170	U	170	250	330	ug/Kg
83-32-9	Acenaphthene	160	U	160	250	330	ug/Kg
Total PAH	Total PAH	2600	U	2600	250	5280	ug/Kg
51-28-5	2,4-Dinitrophenol	480	U	480	530	650	ug/Kg
100-02-7	4-Nitrophenol	230	U	230	530	650	ug/Kg
132-64-9	Dibenzofuran	170	U	170	250	330	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	330	U	330	250	660	ug/Kg
121-14-2	2,4-Dinitrotoluene	170	U	170	250	330	ug/Kg
84-66-2	Diethylphthalate	160	U	160	250	330	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170	U	170	250	330	ug/Kg
86-73-7	Fluorene	170	U	170	250	330	ug/Kg
100-01-6	4-Nitroaniline	210	U	210	250	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	230	U	230	530	650	ug/Kg
86-30-6	n-Nitrosodiphenylamine	160	U	160	250	330	ug/Kg
103-33-3	Azobenzene	160	U	160	250	330	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	150	250	330	ug/Kg
118-74-1	Hexachlorobenzene	170	U	170	250	330	ug/Kg
1912-24-9	Atrazine	180	U	180	250	330	ug/Kg

Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	NB-08-101424	SDG No.:	BF101624
Lab Sample ID:	P4400-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.2
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
BF139827.D	3	10/15/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	150	U	150	530	650	ug/Kg
85-01-8	Phenanthrene	160	U	160	250	330	ug/Kg
120-12-7	Anthracene	170	U	170	250	330	ug/Kg
86-74-8	Carbazole	160	U	160	250	330	ug/Kg
84-74-2	Di-n-butylphthalate	170	U	170	250	330	ug/Kg
206-44-0	Fluoranthene	160	U	160	250	330	ug/Kg
92-87-5	Benzidine	320	U	320	530	650	ug/Kg
129-00-0	Pyrene	160	U	160	250	330	ug/Kg
85-68-7	Butylbenzylphthalate	190	U	190	250	330	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	530	650	ug/Kg
56-55-3	Benzo(a)anthracene	160	U	160	250	330	ug/Kg
218-01-9	Chrysene	160	U	160	250	330	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	180	U	180	250	330	ug/Kg
117-84-0	Di-n-octyl phthalate	220	U	220	530	650	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	U	160	250	330	ug/Kg
207-08-9	Benzo(k)fluoranthene	160	U	160	250	330	ug/Kg
50-32-8	Benzo(a)pyrene	180	U	180	250	330	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	150	250	330	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	160	250	330	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	U	160	250	330	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	170	250	330	ug/Kg
123-91-1	1,4-Dioxane	220	U	220	250	330	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	150	250	330	ug/Kg
90-12-0	1-Methylnaphthalene	160	U	160	330	330	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	56.994		18-112		38	SPK: -150
13127-88-3	Phenol-d6	55.332		15-107		37	SPK: -150
4165-60-0	Nitrobenzene-d5	37.644		18-107		38	SPK: -100
321-60-8	2-Fluorobiphenyl	45.642		20-109		46	SPK: -100

Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	NB-08-101424	SDG No.:	BF101624
Lab Sample ID:	P4400-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.2
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139827.D	3	10/15/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	48.024		10-116		32	SPK: -150
1718-51-0	Terphenyl-d14	15.525		10-105		16	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	74167	6.851				
1146-65-2	Naphthalene-d8	267091	8.133				
15067-26-2	Acenaphthene-d10	123394	9.886				
1517-22-2	Phenanthrene-d10	181270	11.369				
1719-03-5	Chrysene-d12	161911	14.01				
1520-96-3	Perylene-d12	112710	15.474				
TENTATIVE IDENTIFIED COMPOUNDS							
000629-50-5	Tridecane	150	J			8.716	
000629-59-4	Tetradecane	390	J			9.281	
000581-40-8	Naphthalene, 2,3-dimethyl-	150	J			9.539	
003891-98-3	Dodecane, 2,6,10-trimethyl-	290	J			9.598	
000629-62-9	Pentadecane	460	J			9.81	
000544-76-3	Hexadecane	530	J			10.31	
017301-22-3	Undecane, 2,5-dimethyl-	270	J			10.528	
000629-78-7	Heptadecane	990	J			10.786	
000629-92-5	Nonadecane	560	J			11.233	
054833-48-6	Heptadecane, 2,6,10,15-tetramethyl	200	J			11.257	
000646-31-1	Tetracosane	390	J			11.657	
000057-10-3	n-Hexadecanoic acid	130	J			11.892	
035599-77-0	Tridecane, 1-iodo-	310	J			12.063	
000630-02-4	Octacosane	230	J			12.451	
001560-92-5	Hexadecane, 2-methyl-	240	J			12.821	
000593-45-3	Octadecane	140	J			13.18	

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	SB-06-0.167-0.667DL	SDG No.:	BF101624
Lab Sample ID:	P4364-14DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139828.D	25	10/9/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164005

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2600	U	2600	7900	9700	ug/Kg
110-86-1	Pyridine	2400	U	2400	3800	5000	ug/Kg
100-52-7	Benzaldehyde	5400	U	5400	7900	9700	ug/Kg
62-53-3	Aniline	2900	U	2900	3800	5000	ug/Kg
108-95-2	Phenol	2400	U	2400	3800	5000	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2500	U	2500	3800	5000	ug/Kg
95-57-8	2-Chlorophenol	2500	U	2500	3800	5000	ug/Kg
95-50-1	1,2-Dichlorobenzene	2500	U	2500	3800	5000	ug/Kg
541-73-1	1,3-Dichlorobenzene	2500	U	2500	3800	5000	ug/Kg
106-46-7	1,4-Dichlorobenzene	2500	U	2500	3800	5000	ug/Kg
100-51-6	Benzyl Alcohol	2400	U	2400	7900	9700	ug/Kg
95-48-7	2-Methylphenol	2400	U	2400	3800	5000	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2700	U	2700	3800	5000	ug/Kg
98-86-2	Acetophenone	2600	U	2600	3800	5000	ug/Kg
65794-96-9	3+4-Methylphenols	2300	U	2300	7900	9700	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1200	U	1200	2400	2400	ug/Kg
67-72-1	Hexachloroethane	2400	U	2400	3800	5000	ug/Kg
98-95-3	Nitrobenzene	2700	U	2700	3800	5000	ug/Kg
78-59-1	Isophorone	2500	U	2500	3800	5000	ug/Kg
88-75-5	2-Nitrophenol	2800	U	2800	3800	5000	ug/Kg
105-67-9	2,4-Dimethylphenol	2700	U	2700	3800	5000	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2500	U	2500	3800	5000	ug/Kg
120-83-2	2,4-Dichlorophenol	2200	U	2200	3800	5000	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2500	U	2500	3800	5000	ug/Kg
65-85-0	Benzoic acid	7000	U	7000	7900	9700	ug/Kg
91-20-3	Naphthalene	2400	U	2400	3800	5000	ug/Kg
106-47-8	4-Chloroaniline	2400	U	2400	3800	5000	ug/Kg
87-68-3	Hexachlorobutadiene	2500	U	2500	3800	5000	ug/Kg

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	SB-06-0.167-0.667DL	SDG No.:	BF101624
Lab Sample ID:	P4364-14DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139828.D	25	10/9/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164005

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	2600	U	2600	7900	9700	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2300	U	2300	3800	5000	ug/Kg
91-57-6	2-Methylnaphthalene	2400	U	2400	3800	5000	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4600	U	4600	7900	9700	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2100	U	2100	3800	5000	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2200	U	2200	3800	5000	ug/Kg
92-52-4	1,1-Biphenyl	2600	U	2600	3800	5000	ug/Kg
91-58-7	2-Chloronaphthalene	2500	U	2500	3800	5000	ug/Kg
88-74-4	2-Nitroaniline	2800	U	2800	3800	5000	ug/Kg
131-11-3	Dimethylphthalate	2400	U	2400	3800	5000	ug/Kg
208-96-8	Acenaphthylene	2500	U	2500	3800	5000	ug/Kg
606-20-2	2,6-Dinitrotoluene	2400	U	2400	3800	5000	ug/Kg
99-09-2	3-Nitroaniline	2600	U	2600	3800	5000	ug/Kg
83-32-9	Acenaphthene	2400	U	2400	3800	5000	ug/Kg
Total PAH	Total PAH	157900	D	38900	3800	80000	ug/Kg
51-28-5	2,4-Dinitrophenol	7200	U	7200	7900	9700	ug/Kg
100-02-7	4-Nitrophenol	3400	U	3400	7900	9700	ug/Kg
132-64-9	Dibenzofuran	2500	U	2500	3800	5000	ug/Kg
121-14-2	2,4-Dinitrotoluene	2500	U	2500	3800	5000	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4900	U	4900	3800	10000	ug/Kg
84-66-2	Diethylphthalate	2400	U	2400	3800	5000	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2500	U	2500	3800	5000	ug/Kg
86-73-7	Fluorene	2500	U	2500	3800	5000	ug/Kg
100-01-6	4-Nitroaniline	3100	U	3100	3800	5000	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	3400	U	3400	7900	9700	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2400	U	2400	3800	5000	ug/Kg
103-33-3	Azobenzene	2300	U	2300	3800	5000	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2300	U	2300	3800	5000	ug/Kg
118-74-1	Hexachlorobenzene	2500	U	2500	3800	5000	ug/Kg
1912-24-9	Atrazine	2700	U	2700	3800	5000	ug/Kg

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	SB-06-0.167-0.667DL	SDG No.:	BF101624
Lab Sample ID:	P4364-14DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139828.D	25	10/9/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164005

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2300	U	2300	7900	9700	ug/Kg
85-01-8	Phenanthrene	20200	D	2500	3800	5000	ug/Kg
120-12-7	Anthracene	4500	JD	2500	3800	5000	ug/Kg
86-74-8	Carbazole	2400	U	2400	3800	5000	ug/Kg
84-74-2	Di-n-butylphthalate	2500	U	2500	3800	5000	ug/Kg
206-44-0	Fluoranthene	35600	D	2400	3800	5000	ug/Kg
92-87-5	Benzidine	4800	U	4800	7900	9700	ug/Kg
129-00-0	Pyrene	17000	D	2400	3800	5000	ug/Kg
85-68-7	Butylbenzylphthalate	2800	U	2800	3800	5000	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2900	U	2900	7900	9700	ug/Kg
56-55-3	Benzo(a)anthracene	14500	D	2400	3800	5000	ug/Kg
218-01-9	Chrysene	14200	D	2300	3800	5000	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2700	U	2700	3800	5000	ug/Kg
117-84-0	Di-n-octyl phthalate	3200	U	3200	7900	9700	ug/Kg
205-99-2	Benzo(b)fluoranthene	18800	D	2400	3800	5000	ug/Kg
207-08-9	Benzo(k)fluoranthene	9000	D	2400	3800	5000	ug/Kg
50-32-8	Benzo(a)pyrene	14200	D	2700	3800	5000	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	4600	JD	2300	3800	5000	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2400	U	2400	3800	5000	ug/Kg
191-24-2	Benzo(g,h,i)perylene	5300	D	2400	3800	5000	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2600	U	2600	3800	5000	ug/Kg
123-91-1	1,4-Dioxane	3200	U	3200	3800	5000	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2200	U	2200	3800	5000	ug/Kg
90-12-0	1-Methylnaphthalene	2400	U	2400	5000	5000	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	87.275		18-112		58	SPK: -150
13127-88-3	Phenol-d6	93.95		15-107		63	SPK: -150
4165-60-0	Nitrobenzene-d5	66.55		18-107		67	SPK: -100
321-60-8	2-Fluorobiphenyl	66.925		20-109		67	SPK: -100

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	SB-06-0.167-0.667DL	SDG No.:	BF101624
Lab Sample ID:	P4364-14DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139828.D	25	10/9/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164005

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	74.5		10-116		50	SPK: -150
1718-51-0	Terphenyl-d14	-25	*	10-105		-25	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	71531	6.851				
1146-65-2	Naphthalene-d8	252315	8.133				
15067-26-2	Acenaphthene-d10	121804	9.886				
1517-22-2	Phenanthrene-d10	185174	11.369				
1719-03-5	Chrysene-d12	161413	14.01				
1520-96-3	Perylene-d12	119958	15.474				

Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	SU-03-101424	SDG No.:	BF101624
Lab Sample ID:	P4401-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.1
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
BF139829.D	1	10/15/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	53.7	U	53.7	170	200	ug/Kg
110-86-1	Pyridine	49.4	U	49.4	80.4	110	ug/Kg
100-52-7	Benzaldehyde	110	U	110	170	200	ug/Kg
62-53-3	Aniline	60	U	60	80.4	110	ug/Kg
108-95-2	Phenol	51.3	U	51.3	80.4	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	51.8	U	51.8	80.4	110	ug/Kg
95-57-8	2-Chlorophenol	51.7	U	51.7	80.4	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	52.4	U	52.4	80.4	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	53.2	U	53.2	80.4	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	53.5	U	53.5	80.4	110	ug/Kg
100-51-6	Benzyl Alcohol	51.4	U	51.4	170	200	ug/Kg
95-48-7	2-Methylphenol	49.9	U	49.9	80.4	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	56.3	U	56.3	80.4	110	ug/Kg
98-86-2	Acetophenone	53.8	U	53.8	80.4	110	ug/Kg
65794-96-9	3+4-Methylphenols	49.4	U	49.4	170	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	24.9	U	24.9	49.5	49.5	ug/Kg
67-72-1	Hexachloroethane	51.4	U	51.4	80.4	110	ug/Kg
98-95-3	Nitrobenzene	56.2	U	56.2	80.4	110	ug/Kg
78-59-1	Isophorone	52.4	U	52.4	80.4	110	ug/Kg
88-75-5	2-Nitrophenol	58.5	U	58.5	80.4	110	ug/Kg
105-67-9	2,4-Dimethylphenol	57.7	U	57.7	80.4	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	53.1	U	53.1	80.4	110	ug/Kg
120-83-2	2,4-Dichlorophenol	46.7	U	46.7	80.4	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	52.8	U	52.8	80.4	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	200	ug/Kg
91-20-3	Naphthalene	51.1	U	51.1	80.4	110	ug/Kg
106-47-8	4-Chloroaniline	51.1	U	51.1	80.4	110	ug/Kg
87-68-3	Hexachlorobutadiene	51.5	U	51.5	80.4	110	ug/Kg

Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	SU-03-101424	SDG No.:	BF101624
Lab Sample ID:	P4401-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.1
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139829.D	1	10/15/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	53.7	U	53.7	170	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	48	U	48	80.4	110	ug/Kg
91-57-6	2-Methylnaphthalene	51.1	U	51.1	80.4	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	96.5	U	96.5	170	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	44.2	U	44.2	80.4	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	45.8	U	45.8	80.4	110	ug/Kg
92-52-4	1,1-Biphenyl	54.1	U	54.1	80.4	110	ug/Kg
91-58-7	2-Chloronaphthalene	51.5	U	51.5	80.4	110	ug/Kg
88-74-4	2-Nitroaniline	58.8	U	58.8	80.4	110	ug/Kg
131-11-3	Dimethylphthalate	50.6	U	50.6	80.4	110	ug/Kg
208-96-8	Acenaphthylene	53.5	U	53.5	80.4	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	51.5	U	51.5	80.4	110	ug/Kg
99-09-2	3-Nitroaniline	55.2	U	55.2	80.4	110	ug/Kg
83-32-9	Acenaphthene	50.2	U	50.2	80.4	110	ug/Kg
Total PAH	Total PAH	3190.8	U	820	80.4	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	170	200	ug/Kg
100-02-7	4-Nitrophenol	71.8	U	71.8	170	200	ug/Kg
132-64-9	Dibenzofuran	52.2	U	52.2	80.4	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	53.3	U	53.3	80.4	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	104.8	U	104.8	80.4	220	ug/Kg
84-66-2	Diethylphthalate	49.6	U	49.6	80.4	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	53	U	53	80.4	110	ug/Kg
86-73-7	Fluorene	52.9	U	52.9	80.4	110	ug/Kg
100-01-6	4-Nitroaniline	66.2	U	66.2	80.4	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	72.4	U	72.4	170	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	50.5	U	50.5	80.4	110	ug/Kg
103-33-3	Azobenzene	49.3	U	49.3	80.4	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	48.8	U	48.8	80.4	110	ug/Kg
118-74-1	Hexachlorobenzene	52.6	U	52.6	80.4	110	ug/Kg
1912-24-9	Atrazine	56.6	U	56.6	80.4	110	ug/Kg

Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	SU-03-101424	SDG No.:	BF101624
Lab Sample ID:	P4401-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.1
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
BF139829.D	1	10/15/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	47.8	U	47.8	170	200	ug/Kg
85-01-8	Phenanthrene	140		52	80.4	110	ug/Kg
120-12-7	Anthracene	52.2	U	52.2	80.4	110	ug/Kg
86-74-8	Carbazole	49.7	U	49.7	80.4	110	ug/Kg
84-74-2	Di-n-butylphthalate	52.2	U	52.2	80.4	110	ug/Kg
206-44-0	Fluoranthene	600		50.6	80.4	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	200	ug/Kg
129-00-0	Pyrene	380		51.4	80.4	110	ug/Kg
85-68-7	Butylbenzylphthalate	59.9	U	59.9	80.4	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	61	U	61	170	200	ug/Kg
56-55-3	Benzo(a)anthracene	320		49.9	80.4	110	ug/Kg
218-01-9	Chrysene	260		49.2	80.4	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	56.3	U	56.3	80.4	110	ug/Kg
117-84-0	Di-n-octyl phthalate	68.1	U	68.1	170	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	490		50.2	80.4	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	180		51.1	80.4	110	ug/Kg
50-32-8	Benzo(a)pyrene	380		57.6	80.4	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170		48.3	80.4	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	50.8	J	50.2	80.4	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	220		49.6	80.4	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	53.7	U	53.7	80.4	110	ug/Kg
123-91-1	1,4-Dioxane	68.1	U	68.1	80.4	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46.2	U	46.2	80.4	110	ug/Kg
90-12-0	1-Methylnaphthalene	51.5	U	51.5	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	74.141		18-112		49	SPK: -150
13127-88-3	Phenol-d6	72.267		15-107		48	SPK: -150
4165-60-0	Nitrobenzene-d5	50.312		18-107		50	SPK: -100
321-60-8	2-Fluorobiphenyl	54.722		20-109		55	SPK: -100

Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	SU-03-101424	SDG No.:	BF101624
Lab Sample ID:	P4401-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.1
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139829.D	1	10/15/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	66.142		10-116		44	SPK: -150
1718-51-0	Terphenyl-d14	48.093		10-105		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	87765	6.851				
1146-65-2	Naphthalene-d8	317075	8.134				
15067-26-2	Acenaphthene-d10	148861	9.886				
1517-22-2	Phenanthrene-d10	232285	11.369				
1719-03-5	Chrysene-d12	162720	14.01				
1520-96-3	Perylene-d12	113755	15.48				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	79.8	A			5.057	
000629-59-4	Tetradecane	42.3	J			9.281	
000544-76-3	Hexadecane	45.4	J			9.81	
000629-62-9	Pentadecane	57.1	J			10.31	
000119-61-9	Benzophenone	75.9	J			10.598	
000629-50-5	Tridecane	62.1	J			10.786	
000057-10-3	n-Hexadecanoic acid	130	J			11.898	
000203-64-5	4H-Cyclopenta[def]phenanthrene	69.5	J			11.986	
033543-31-6	Fluoranthene, 2-methyl-	59.2	J			13.139	
000479-79-8	11H-Benzo[a]fluoren-11-one	48.7	J			13.857	
000192-97-2	Benzo[e]pyrene	180	J			15.351	

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	OK-02-101524	SDG No.:	BF101624
Lab Sample ID:	P4406-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.2
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
BF139830.D	5	10/16/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164176

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	270	U	270	830	1000	ug/Kg
110-86-1	Pyridine	240	U	240	400	520	ug/Kg
100-52-7	Benzaldehyde	560	U	560	830	1000	ug/Kg
62-53-3	Aniline	300	U	300	400	520	ug/Kg
108-95-2	Phenol	250	U	250	400	520	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	260	U	260	400	520	ug/Kg
95-57-8	2-Chlorophenol	260	U	260	400	520	ug/Kg
95-50-1	1,2-Dichlorobenzene	260	U	260	400	520	ug/Kg
541-73-1	1,3-Dichlorobenzene	260	U	260	400	520	ug/Kg
106-46-7	1,4-Dichlorobenzene	270	U	270	400	520	ug/Kg
100-51-6	Benzyl Alcohol	250	U	250	830	1000	ug/Kg
95-48-7	2-Methylphenol	250	U	250	400	520	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	280	U	280	400	520	ug/Kg
98-86-2	Acetophenone	270	U	270	400	520	ug/Kg
65794-96-9	3+4-Methylphenols	240	U	240	830	1000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	120	U	120	250	250	ug/Kg
67-72-1	Hexachloroethane	250	U	250	400	520	ug/Kg
98-95-3	Nitrobenzene	280	U	280	400	520	ug/Kg
78-59-1	Isophorone	260	U	260	400	520	ug/Kg
88-75-5	2-Nitrophenol	290	U	290	400	520	ug/Kg
105-67-9	2,4-Dimethylphenol	290	U	290	400	520	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	260	U	260	400	520	ug/Kg
120-83-2	2,4-Dichlorophenol	230	U	230	400	520	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	260	U	260	400	520	ug/Kg
65-85-0	Benzoic acid	730	U	730	830	1000	ug/Kg
91-20-3	Naphthalene	250	U	250	400	520	ug/Kg
106-47-8	4-Chloroaniline	250	U	250	400	520	ug/Kg
87-68-3	Hexachlorobutadiene	260	U	260	400	520	ug/Kg

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	OK-02-101524	SDG No.:	BF101624
Lab Sample ID:	P4406-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.2
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139830.D	5	10/16/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164176

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	270	U	270	830	1000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	240	U	240	400	520	ug/Kg
91-57-6	2-Methylnaphthalene	250	U	250	400	520	ug/Kg
77-47-4	Hexachlorocyclopentadiene	480	U	480	830	1000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	220	U	220	400	520	ug/Kg
95-95-4	2,4,5-Trichlorophenol	230	U	230	400	520	ug/Kg
92-52-4	1,1-Biphenyl	270	U	270	400	520	ug/Kg
91-58-7	2-Chloronaphthalene	260	U	260	400	520	ug/Kg
88-74-4	2-Nitroaniline	290	U	290	400	520	ug/Kg
131-11-3	Dimethylphthalate	250	U	250	400	520	ug/Kg
208-96-8	Acenaphthylene	470	J	270	400	520	ug/Kg
606-20-2	2,6-Dinitrotoluene	250	U	250	400	520	ug/Kg
99-09-2	3-Nitroaniline	270	U	270	400	520	ug/Kg
83-32-9	Acenaphthene	250	U	250	400	520	ug/Kg
Total PAH	Total PAH	11240	U	4060	400	8320	ug/Kg
51-28-5	2,4-Dinitrophenol	740	U	740	830	1000	ug/Kg
100-02-7	4-Nitrophenol	360	U	360	830	1000	ug/Kg
132-64-9	Dibenzofuran	260	U	260	400	520	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	510	U	510	400	1040	ug/Kg
121-14-2	2,4-Dinitrotoluene	260	U	260	400	520	ug/Kg
84-66-2	Diethylphthalate	250	U	250	400	520	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	260	U	260	400	520	ug/Kg
86-73-7	Fluorene	260	U	260	400	520	ug/Kg
100-01-6	4-Nitroaniline	330	U	330	400	520	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	360	U	360	830	1000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	250	U	250	400	520	ug/Kg
103-33-3	Azobenzene	240	U	240	400	520	ug/Kg
101-55-3	4-Bromophenyl-phenylether	240	U	240	400	520	ug/Kg
118-74-1	Hexachlorobenzene	260	U	260	400	520	ug/Kg
1912-24-9	Atrazine	280	U	280	400	520	ug/Kg

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	OK-02-101524	SDG No.:	BF101624
Lab Sample ID:	P4406-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.2
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
BF139830.D	5	10/16/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164176

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	240	U	240	830	1000	ug/Kg
85-01-8	Phenanthrene	1200		260	400	520	ug/Kg
120-12-7	Anthracene	320	J	260	400	520	ug/Kg
86-74-8	Carbazole	250	U	250	400	520	ug/Kg
84-74-2	Di-n-butylphthalate	260	U	260	400	520	ug/Kg
206-44-0	Fluoranthene	1700		250	400	520	ug/Kg
92-87-5	Benzidine	500	U	500	830	1000	ug/Kg
129-00-0	Pyrene	1400		250	400	520	ug/Kg
85-68-7	Butylbenzylphthalate	300	U	300	400	520	ug/Kg
91-94-1	3,3-Dichlorobenzidine	300	U	300	830	1000	ug/Kg
56-55-3	Benzo(a)anthracene	1000		250	400	520	ug/Kg
218-01-9	Chrysene	1000		240	400	520	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	280	U	280	400	520	ug/Kg
117-84-0	Di-n-octyl phthalate	340	U	340	830	1000	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		250	400	520	ug/Kg
207-08-9	Benzo(k)fluoranthene	440	J	250	400	520	ug/Kg
50-32-8	Benzo(a)pyrene	1100		280	400	520	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	480	J	240	400	520	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	250	U	250	400	520	ug/Kg
191-24-2	Benzo(g,h,i)perylene	630		250	400	520	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	270	U	270	400	520	ug/Kg
123-91-1	1,4-Dioxane	340	U	340	400	520	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	230	U	230	400	520	ug/Kg
90-12-0	1-Methylnaphthalene	250	U	250	520	520	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	88.07		18-112		59	SPK: -150
13127-88-3	Phenol-d6	86.75		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	57.975		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	66.91		20-109		67	SPK: -100

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	OK-02-101524	SDG No.:	BF101624
Lab Sample ID:	P4406-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.2
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139830.D	5	10/16/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164176

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	78.815		10-116		53	SPK: -150
1718-51-0	Terphenyl-d14	29.645		10-105		30	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	81929	6.851				
1146-65-2	Naphthalene-d8	297982	8.134				
15067-26-2	Acenaphthene-d10	144100	9.886				
1517-22-2	Phenanthrene-d10	230353	11.375				
1719-03-5	Chrysene-d12	167078	14.016				
1520-96-3	Perylene-d12	120234	15.48				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown	10.792	210	J		10.792	
002531-84-2	Phenanthrene, 2-methyl-	470	J			11.874	
000613-12-7	Anthracene, 2-methyl-	570	J			11.898	
000610-48-0	Anthracene, 1-methyl-	600	J			11.986	
1000400-47-8	9,10-ethenoanthracene, 9,10-dihydr	250	J			12.169	
000781-43-1	9,10-Dimethylantracene	620	J			12.422	
000781-17-9	Pyrene, 4,5,9,10-tetrahydro-	650	J			12.457	
005737-13-3	Cyclopenta(def)phenanthrenone	360	J			12.51	
002381-21-7	Pyrene, 1-methyl-	310	J			13.033	
000243-17-4	11H-Benzo[b]fluorene	370	J			13.139	
003353-12-6	Pyrene, 4-methyl-	220	J			13.245	

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	TR-04-101524	SDG No.:	BF101624
Lab Sample ID:	P4410-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.7
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
BF139831.D	5	10/16/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164176

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	270	U	270	830	1000	ug/Kg
110-86-1	Pyridine	250	U	250	400	520	ug/Kg
100-52-7	Benzaldehyde	560	U	560	830	1000	ug/Kg
62-53-3	Aniline	300	U	300	400	520	ug/Kg
108-95-2	Phenol	260	U	260	400	520	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	260	U	260	400	520	ug/Kg
95-57-8	2-Chlorophenol	260	U	260	400	520	ug/Kg
95-50-1	1,2-Dichlorobenzene	260	U	260	400	520	ug/Kg
541-73-1	1,3-Dichlorobenzene	270	U	270	400	520	ug/Kg
106-46-7	1,4-Dichlorobenzene	270	U	270	400	520	ug/Kg
100-51-6	Benzyl Alcohol	260	U	260	830	1000	ug/Kg
95-48-7	2-Methylphenol	250	U	250	400	520	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	280	U	280	400	520	ug/Kg
98-86-2	Acetophenone	270	U	270	400	520	ug/Kg
65794-96-9	3+4-Methylphenols	250	U	250	830	1000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	120	U	120	250	250	ug/Kg
67-72-1	Hexachloroethane	260	U	260	400	520	ug/Kg
98-95-3	Nitrobenzene	280	U	280	400	520	ug/Kg
78-59-1	Isophorone	260	U	260	400	520	ug/Kg
88-75-5	2-Nitrophenol	290	U	290	400	520	ug/Kg
105-67-9	2,4-Dimethylphenol	290	U	290	400	520	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	260	U	260	400	520	ug/Kg
120-83-2	2,4-Dichlorophenol	230	U	230	400	520	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	260	U	260	400	520	ug/Kg
65-85-0	Benzoic acid	730	U	730	830	1000	ug/Kg
91-20-3	Naphthalene	250	U	250	400	520	ug/Kg
106-47-8	4-Chloroaniline	250	U	250	400	520	ug/Kg
87-68-3	Hexachlorobutadiene	260	U	260	400	520	ug/Kg

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	TR-04-101524	SDG No.:	BF101624
Lab Sample ID:	P4410-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.7
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
BF139831.D	5	10/16/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164176

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	270	U	270	830	1000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	240	U	240	400	520	ug/Kg
91-57-6	2-Methylnaphthalene	250	U	250	400	520	ug/Kg
77-47-4	Hexachlorocyclopentadiene	480	U	480	830	1000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	220	U	220	400	520	ug/Kg
95-95-4	2,4,5-Trichlorophenol	230	U	230	400	520	ug/Kg
92-52-4	1,1-Biphenyl	270	U	270	400	520	ug/Kg
91-58-7	2-Chloronaphthalene	260	U	260	400	520	ug/Kg
88-74-4	2-Nitroaniline	290	U	290	400	520	ug/Kg
131-11-3	Dimethylphthalate	250	U	250	400	520	ug/Kg
208-96-8	Acenaphthylene	270	U	270	400	520	ug/Kg
606-20-2	2,6-Dinitrotoluene	260	U	260	400	520	ug/Kg
99-09-2	3-Nitroaniline	270	U	270	400	520	ug/Kg
83-32-9	Acenaphthene	250	U	250	400	520	ug/Kg
Total PAH	Total PAH	4080	U	4080	400	8320	ug/Kg
51-28-5	2,4-Dinitrophenol	750	U	750	830	1000	ug/Kg
100-02-7	4-Nitrophenol	360	U	360	830	1000	ug/Kg
132-64-9	Dibenzofuran	260	U	260	400	520	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	630	U	530	400	1040	ug/Kg
121-14-2	2,4-Dinitrotoluene	270	U	270	400	520	ug/Kg
84-66-2	Diethylphthalate	250	U	250	400	520	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	260	U	260	400	520	ug/Kg
86-73-7	Fluorene	260	U	260	400	520	ug/Kg
100-01-6	4-Nitroaniline	330	U	330	400	520	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	360	U	360	830	1000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	250	U	250	400	520	ug/Kg
103-33-3	Azobenzene	250	U	250	400	520	ug/Kg
101-55-3	4-Bromophenyl-phenylether	240	U	240	400	520	ug/Kg
118-74-1	Hexachlorobenzene	260	U	260	400	520	ug/Kg
1912-24-9	Atrazine	280	U	280	400	520	ug/Kg

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	TR-04-101524	SDG No.:	BF101624
Lab Sample ID:	P4410-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.7
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
BF139831.D	5	10/16/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164176

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	240	U	240	830	1000	ug/Kg
85-01-8	Phenanthrene	260	U	260	400	520	ug/Kg
120-12-7	Anthracene	260	U	260	400	520	ug/Kg
86-74-8	Carbazole	250	U	250	400	520	ug/Kg
84-74-2	Di-n-butylphthalate	260	U	260	400	520	ug/Kg
206-44-0	Fluoranthene	400	J	250	400	520	ug/Kg
92-87-5	Benzidine	500	U	500	830	1000	ug/Kg
129-00-0	Pyrene	450	J	260	400	520	ug/Kg
85-68-7	Butylbenzylphthalate	300	U	300	400	520	ug/Kg
91-94-1	3,3-Dichlorobenzidine	300	U	300	830	1000	ug/Kg
56-55-3	Benzo(a)anthracene	260	J	250	400	520	ug/Kg
218-01-9	Chrysene	250	J	240	400	520	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	280	U	280	400	520	ug/Kg
117-84-0	Di-n-octyl phthalate	340	U	340	830	1000	ug/Kg
205-99-2	Benzo(b)fluoranthene	310	J	250	400	520	ug/Kg
207-08-9	Benzo(k)fluoranthene	250	U	250	400	520	ug/Kg
50-32-8	Benzo(a)pyrene	290	U	290	400	520	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	240	U	240	400	520	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	250	U	250	400	520	ug/Kg
191-24-2	Benzo(g,h,i)perylene	250	U	250	400	520	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	270	U	270	400	520	ug/Kg
123-91-1	1,4-Dioxane	340	U	340	400	520	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	230	U	230	400	520	ug/Kg
90-12-0	1-Methylnaphthalene	260	U	260	520	520	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	118.82		18-112		79	SPK: -150
13127-88-3	Phenol-d6	116.16		15-107		77	SPK: -150
4165-60-0	Nitrobenzene-d5	79.32		18-107		79	SPK: -100
321-60-8	2-Fluorobiphenyl	90.595		20-109		91	SPK: -100

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	TR-04-101524	SDG No.:	BF101624
Lab Sample ID:	P4410-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.7
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
BF139831.D	5	10/16/2024 12:00:00 AM	10/16/2024 12:00:00 AM	PB164176

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	116.205		10-116		77	SPK: -150
1718-51-0	Terphenyl-d14	63.905		10-105		64	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	80726	6.851				
1146-65-2	Naphthalene-d8	298825	8.134				
15067-26-2	Acenaphthene-d10	153213	9.886				
1517-22-2	Phenanthrene-d10	261292	11.374				
1719-03-5	Chrysene-d12	155423	14.015				
1520-96-3	Perylene-d12	110241	15.48				
TENTATIVE IDENTIFIED COMPOUNDS							
000544-76-3	Hexadecane	210	J			9.81	
017302-36-2	5-Ethyldecane	360	J			10.31	
000629-50-5	Tridecane	570	J			10.786	
000629-92-5	Nonadecane	370	J			11.233	
001560-96-9	Tridecane, 2-methyl-	290	J			11.657	
000610-48-0	Anthracene, 1-methyl-	310	J			11.898	
1000460-85-7	1H-1,2,4-Triazol-5-amine, 3-bromo-	210	J			11.986	
000629-62-9	Pentadecane	270	J			12.063	
000593-45-3	Octadecane	450	J			12.451	
000629-94-7	Heneicosane	220	J			13.18	

Hit Summary Sheet SW-846

SDG No.: BF101624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SB-06-0.167-0.667DL								
P4364-14DL	SB-06-0.167-0.667DL	Solid	Anthracene	4,500.000	JD	2500	5000	ug/Kg
P4364-14DL	SB-06-0.167-0.667DL	Solid	Benzo(a)anthracene	14,500.000	D	2400	5000	ug/Kg
P4364-14DL	SB-06-0.167-0.667DL	Solid	Benzo(a)pyrene	14,200.000	D	2700	5000	ug/Kg
P4364-14DL	SB-06-0.167-0.667DL	Solid	Benzo(b)fluoranthene	18,800.000	D	2400	5000	ug/Kg
P4364-14DL	SB-06-0.167-0.667DL	Solid	Benzo(g,h,i)perylene	5,300.000	D	2400	5000	ug/Kg
P4364-14DL	SB-06-0.167-0.667DL	Solid	Benzo(k)fluoranthene	9,000.000	D	2400	5000	ug/Kg
P4364-14DL	SB-06-0.167-0.667DL	Solid	Chrysene	14,200.000	D	2300	5000	ug/Kg
P4364-14DL	SB-06-0.167-0.667DL	Solid	Fluoranthene	35,600.000	D	2400	5000	ug/Kg
P4364-14DL	SB-06-0.167-0.667DL	Solid	Indeno(1,2,3-cd)pyrene	4,600.000	JD	2300	5000	ug/Kg
P4364-14DL	SB-06-0.167-0.667DL	Solid	Phenanthrene	20,200.000	D	2500	5000	ug/Kg
P4364-14DL	SB-06-0.167-0.667DL	Solid	Pyrene	17,000.000	D	2400	5000	ug/Kg
P4364-14DL	SB-06-0.167-0.667DL	Solid	Total PAH	157,900.000	D	38900	80000	ug/Kg
Total Svoc :				315,800.00				
Total Concentration:				315,800.00				
Client ID : F05308-SOLID								
P4395-01	F05308-SOLID	Solid	1-Ethyl-2,2,6-trimethylcyclohexar *	160.000	J			
P4395-01	F05308-SOLID	Solid	1H-Indene, 2,3-dihydro-1,1,3-trim *	140.000	J			
P4395-01	F05308-SOLID	Solid	4,4-Dimethylbiphenyl *	140.000	J			
P4395-01	F05308-SOLID	Solid	Benzophenone *	310.000	J			
P4395-01	F05308-SOLID	Solid	Bicyclo[2.2.1]heptan-2-one, 1,7,7- *	140.000	J			
P4395-01	F05308-SOLID	Solid	Cyclohexane, 1,1,2-trimethyl- *	300.000	J			
P4395-01	F05308-SOLID	Solid	Cyclopentane, 1,1,3-trimethyl- *	150.000	J			
P4395-01	F05308-SOLID	Solid	Decane, 2,4-dimethyl- *	130.000	J			
P4395-01	F05308-SOLID	Solid	Dodecane, 2,7,10-trimethyl- *	200.000	J			
P4395-01	F05308-SOLID	Solid	Dodecane, 2-methyl-8-propyl- *	160.000	J			
P4395-01	F05308-SOLID	Solid	n-Hexadecanoic acid *	170.000	J			
P4395-01	F05308-SOLID	Solid	Naphthalene, 1,6,7-trimethyl- *	160.000	J			
P4395-01	F05308-SOLID	Solid	Nonane, 3-methyl- *	190.000	J			
P4395-01	F05308-SOLID	Solid	Octane, 2,6-dimethyl- *	240.000	J			
P4395-01	F05308-SOLID	Solid	unknown6.628 *	120.000	J			
P4395-01	F05308-SOLID	Solid	unknown6.992 *	170.000	J			
P4395-01	F05308-SOLID	Solid	unknown7.487 *	190.000	J			
P4395-01	F05308-SOLID	Solid	unknown9.286 *	150.000	J			
P4395-01	F05308-SOLID	Solid	unknown9.598 *	350.000	J			
P4395-01	F05308-SOLID	Solid	unknown9.792 *	120.000	J			
Total Tics :				3,690.00				
P4395-01	F05308-SOLID	Solid	Benzo(a)anthracene	73.500	J	59.3	120	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BF101624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4395-01	F05308-SOLID	Solid	Benzo(a)pyrene	73.300	J	68.3	120	ug/Kg
P4395-01	F05308-SOLID	Solid	Benzo(b)fluoranthene	88.900	J	59.6	120	ug/Kg
P4395-01	F05308-SOLID	Solid	Chrysene	79.800	J	58.4	120	ug/Kg
P4395-01	F05308-SOLID	Solid	Fluoranthene	120.000		60	120	ug/Kg
P4395-01	F05308-SOLID	Solid	Pyrene	86.000	J	61	120	ug/Kg
Total Svoc :				521.50				
Total Concentration:				4,211.50				

Client ID : WASTE-WATER-FRAC-TANK

P4396-01	WASTE-WATER-FRAC- Water	1-Propanamine, N-ethyl-N-nitros *	15.000	J
P4396-01	WASTE-WATER-FRAC- Water	2-Pentanone, 4-hydroxy-4-methyl *	4.000	A
P4396-01	WASTE-WATER-FRAC- Water	22-Stigmasten-3-one *	5.300	J
P4396-01	WASTE-WATER-FRAC- Water	4-tert-Butylphenol mesylate *	12.200	J
P4396-01	WASTE-WATER-FRAC- Water	Benzenemethanol, .alpha.,4-dimet *	6.700	J
P4396-01	WASTE-WATER-FRAC- Water	Benzophenone *	11.800	J
P4396-01	WASTE-WATER-FRAC- Water	Benzothiazole *	9.100	J
P4396-01	WASTE-WATER-FRAC- Water	Heptadecyl heptafluorobutyrate *	4.400	J
P4396-01	WASTE-WATER-FRAC- Water	n-Hexadecanoic acid *	11.800	J
P4396-01	WASTE-WATER-FRAC- Water	Octadecanoic acid *	3.900	J
P4396-01	WASTE-WATER-FRAC- Water	Triethyl phosphate *	7.500	J
P4396-01	WASTE-WATER-FRAC- Water	unknown11.469 *	6.900	J
P4396-01	WASTE-WATER-FRAC- Water	unknown11.739 *	7.000	J
P4396-01	WASTE-WATER-FRAC- Water	unknown14.527 *	5.800	J
P4396-01	WASTE-WATER-FRAC- Water	unknown14.710 *	6.000	J
P4396-01	WASTE-WATER-FRAC- Water	unknown14.821 *	9.100	J
P4396-01	WASTE-WATER-FRAC- Water	unknown6.798 *	7.200	J
P4396-01	WASTE-WATER-FRAC- Water	unknown7.481 *	4.300	J
P4396-01	WASTE-WATER-FRAC- Water	unknown8.463 *	7.300	J
P4396-01	WASTE-WATER-FRAC- Water	unknown8.822 *	4.400	J
Total Tics :				149.70
Total Concentration:				149.70

Client ID : NB-08-101424

P4400-01	NB-08-101424	Solid	Dodecane, 2,6,10-trimethyl- *	290.000	J
P4400-01	NB-08-101424	Solid	Heptadecane *	990.000	J
P4400-01	NB-08-101424	Solid	Heptadecane, 2,6,10,15-tetrameth *	200.000	J
P4400-01	NB-08-101424	Solid	Hexadecane *	530.000	J
P4400-01	NB-08-101424	Solid	Hexadecane, 2-methyl- *	240.000	J
P4400-01	NB-08-101424	Solid	n-Hexadecanoic acid *	130.000	J
P4400-01	NB-08-101424	Solid	Naphthalene, 2,3-dimethyl- *	150.000	J
P4400-01	NB-08-101424	Solid	Nonadecane *	560.000	J

Hit Summary Sheet SW-846

SDG No.: BF101624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4400-01	NB-08-101424	Solid	Octacosane	*	230.000	J		
P4400-01	NB-08-101424	Solid	Octadecane	*	140.000	J		
P4400-01	NB-08-101424	Solid	Pentadecane	*	460.000	J		
P4400-01	NB-08-101424	Solid	Tetracosane	*	390.000	J		
P4400-01	NB-08-101424	Solid	Tetradecane	*	390.000	J		
P4400-01	NB-08-101424	Solid	Tridecane	*	150.000	J		
P4400-01	NB-08-101424	Solid	Tridecane, 1-iodo-	*	310.000	J		
P4400-01	NB-08-101424	Solid	Undecane, 2,5-dimethyl-	*	270.000	J		

Total Tics : 5,430.00

Total Concentration: 5,430.00

Client ID : SU-03-101424

P4401-01	SU-03-101424	Solid	11H-Benzo[a]fluoren-11-one	*	48.700	J		
P4401-01	SU-03-101424	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	79.800	A		
P4401-01	SU-03-101424	Solid	4H-Cyclopenta[def]phenanthrene	*	69.500	J		
P4401-01	SU-03-101424	Solid	Benzo[e]pyrene	*	180.000	J		
P4401-01	SU-03-101424	Solid	Benzophenone	*	75.900	J		
P4401-01	SU-03-101424	Solid	Fluoranthene, 2-methyl-	*	59.200	J		
P4401-01	SU-03-101424	Solid	Hexadecane	*	45.400	J		
P4401-01	SU-03-101424	Solid	n-Hexadecanoic acid	*	130.000	J		
P4401-01	SU-03-101424	Solid	Pentadecane	*	57.100	J		
P4401-01	SU-03-101424	Solid	Tetradecane	*	42.300	J		
P4401-01	SU-03-101424	Solid	Tridecane	*	62.100	J		

Total Tics : 850.00

P4401-01	SU-03-101424	Solid	Benzo(a)anthracene		320.000	49.9	110	ug/Kg
P4401-01	SU-03-101424	Solid	Benzo(a)pyrene		380.000	57.6	110	ug/Kg
P4401-01	SU-03-101424	Solid	Benzo(b)fluoranthene		490.000	50.2	110	ug/Kg
P4401-01	SU-03-101424	Solid	Benzo(g,h,i)perylene		220.000	49.6	110	ug/Kg
P4401-01	SU-03-101424	Solid	Benzo(k)fluoranthene		180.000	51.1	110	ug/Kg
P4401-01	SU-03-101424	Solid	Chrysene		260.000	49.2	110	ug/Kg
P4401-01	SU-03-101424	Solid	Dibenzo(a,h)anthracene		50.800	J 50.2	110	ug/Kg
P4401-01	SU-03-101424	Solid	Fluoranthene		600.000	50.6	110	ug/Kg
P4401-01	SU-03-101424	Solid	Indeno(1,2,3-cd)pyrene		170.000	48.3	110	ug/Kg
P4401-01	SU-03-101424	Solid	Phenanthrene		140.000	52	110	ug/Kg
P4401-01	SU-03-101424	Solid	Pyrene		380.000	51.4	110	ug/Kg

Total Svoc : 3,190.80

Total Concentration: 4,040.80

Client ID : Hawthorne TP Soil

P4403-01	Hawthorne TP Soil	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	140.000	A		
P4403-01	Hawthorne TP Soil	Solid	Benzophenone	*	100.000	J		

Hit Summary Sheet SW-846

SDG No.: BF101624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4403-01	Hawthorne TP Soil	Solid	Heptafluorobutyric acid, hexadecy *	110.000	J			
P4403-01	Hawthorne TP Soil	Solid	n-Hexadecanoic acid *	140.000	J			
Total Tics :						490.00		
Total Concentration:						490.00		
Client ID : OK-02-101524								
P4406-01	OK-02-101524	Solid	11H-Benzo[b]fluorene *	370.000	J			
P4406-01	OK-02-101524	Solid	9,10-Dimethylanthracene *	620.000	J			
P4406-01	OK-02-101524	Solid	9,10-ethenoanthracene, 9,10-dihy *	250.000	J			
P4406-01	OK-02-101524	Solid	Anthracene, 1-methyl- *	600.000	J			
P4406-01	OK-02-101524	Solid	Anthracene, 2-methyl- *	570.000	J			
P4406-01	OK-02-101524	Solid	Cyclopenta(def)phenanthrenone *	360.000	J			
P4406-01	OK-02-101524	Solid	Phenanthrene, 2-methyl- *	470.000	J			
P4406-01	OK-02-101524	Solid	Pyrene, 1-methyl- *	310.000	J			
P4406-01	OK-02-101524	Solid	Pyrene, 4,5,9,10-tetrahydro- *	650.000	J			
P4406-01	OK-02-101524	Solid	Pyrene, 4-methyl- *	220.000	J			
P4406-01	OK-02-101524	Solid	unknown10.792 *	210.000	J			
Total Tics :						4,630.00		
P4406-01	OK-02-101524	Solid	Acenaphthylene	470.000	J	270	520	ug/Kg
P4406-01	OK-02-101524	Solid	Anthracene	320.000	J	260	520	ug/Kg
P4406-01	OK-02-101524	Solid	Benzo(a)anthracene	1,000.000		250	520	ug/Kg
P4406-01	OK-02-101524	Solid	Benzo(a)pyrene	1,100.000		280	520	ug/Kg
P4406-01	OK-02-101524	Solid	Benzo(b)fluoranthene	1,500.000		250	520	ug/Kg
P4406-01	OK-02-101524	Solid	Benzo(g,h,i)perylene	630.000		250	520	ug/Kg
P4406-01	OK-02-101524	Solid	Benzo(k)fluoranthene	440.000	J	250	520	ug/Kg
P4406-01	OK-02-101524	Solid	Chrysene	1,000.000		240	520	ug/Kg
P4406-01	OK-02-101524	Solid	Fluoranthene	1,700.000		250	520	ug/Kg
P4406-01	OK-02-101524	Solid	Indeno(1,2,3-cd)pyrene	480.000	J	240	520	ug/Kg
P4406-01	OK-02-101524	Solid	Phenanthrene	1,200.000		260	520	ug/Kg
P4406-01	OK-02-101524	Solid	Pyrene	1,400.000		250	520	ug/Kg
Total Svoc :						11,240.00		
Total Concentration:						15,870.00		
Client ID : TR-04-101524								
P4410-01	TR-04-101524	Solid	1H-1,2,4-Triazol-5-amine, 3-brom *	210.000	J			
P4410-01	TR-04-101524	Solid	5-Ethyldecane *	360.000	J			
P4410-01	TR-04-101524	Solid	Anthracene, 1-methyl- *	310.000	J			
P4410-01	TR-04-101524	Solid	Heneicosane *	220.000	J			
P4410-01	TR-04-101524	Solid	Hexadecane *	210.000	J			
P4410-01	TR-04-101524	Solid	Nonadecane *	370.000	J			
P4410-01	TR-04-101524	Solid	Octadecane *	450.000	J			

Hit Summary Sheet SW-846

SDG No.: BF101624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4410-01	TR-04-101524	Solid	Pentadecane	*	270.000	J		
P4410-01	TR-04-101524	Solid	Tridecane	*	570.000	J		
P4410-01	TR-04-101524	Solid	Tridecane, 2-methyl-	*	290.000	J		
Total Tics :					3,260.00			
P4410-01	TR-04-101524	Solid	Benzo(a)anthracene		260.000	J 250	520	ug/Kg
P4410-01	TR-04-101524	Solid	Benzo(b)fluoranthene		310.000	J 250	520	ug/Kg
P4410-01	TR-04-101524	Solid	Chrysene		250.000	J 240	520	ug/Kg
P4410-01	TR-04-101524	Solid	Fluoranthene		400.000	J 250	520	ug/Kg
P4410-01	TR-04-101524	Solid	Pyrene		450.000	J 260	520	ug/Kg
Total Svoc :					1,670.00			
Total Concentration:					4,930.00			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF101524 SAS No.: BF101524 SDG No.: BF101524
Instrument ID: _____ Calibration Date(s): 10/15/2024
Calibration Time(s): 11:20

LAB FILE ID:		RRF2.5 = BF139805.D			RRF005 = BF139806.D		RRF010 = BF139807.D	
		RRF020 = BF139808.D			RRF040 = BF139809.D		RRF050 = BF139810.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.813	0.750	0.743	0.737	0.732	0.750	4.1
Pyridine		1.350	1.312	1.285	1.231	1.223	1.262	4.4
2-Fluorophenol		1.316	1.245	1.230	1.150	1.141	1.185	6.8
Benzaldehyde		1.068	1.012	0.972	0.874	0.800	0.885	15.5
Aniline		1.535	1.483	1.427	1.343	1.291	1.358	9.6
Phenol-d6		1.806	1.674	1.636	1.527	1.492	1.576	8.6
Phenol		1.863	1.765	1.717	1.621	1.577	1.655	8.1
bis(2-Chloroethyl)ether		1.360	1.312	1.255	1.209	1.182	1.234	6.5
2-Chlorophenol		1.409	1.301	1.309	1.227	1.202	1.251	7.6
1,2-Dichlorobenzene		1.492	1.398	1.380	1.278	1.250	1.317	8.4
1,3-Dichlorobenzene		1.611	1.509	1.452	1.369	1.344	1.415	8.3
1,4-Dichlorobenzene		1.602	1.485	1.475	1.378	1.360	1.419	7.6
Benzyl Alcohol		1.230	1.221	1.186	1.122	1.091	1.135	7.2
2-Methylphenol		1.101	1.060	1.051	0.993	0.980	1.012	5.9
2,2-oxybis(1-Chloropropane)		2.452	2.297	2.257	2.106	2.059	2.163	8.4
Acetophenone		0.522	0.510	0.481	0.447	0.443	0.469	7.5
3+4-Methylphenols		1.494	1.400	1.329	1.228	1.185	1.273	11.0
n-Nitroso-di-n-propylamine	0.988	1.018	0.980	0.950	0.894	0.855	0.918	8.4
Nitrobenzene-d5		0.417	0.402	0.400	0.374	0.377	0.389	4.6
Hexachloroethane		0.553	0.543	0.536	0.504	0.496	0.514	5.8
Nitrobenzene		0.431	0.418	0.421	0.387	0.395	0.405	4.4
Isophorone		0.720	0.699	0.686	0.640	0.635	0.663	5.7
2-Nitrophenol		0.170	0.178	0.179	0.175	0.177	0.176	1.7
2,4-Dimethylphenol		0.233	0.222	0.223	0.206	0.206	0.214	5.5
bis(2-Chloroethoxy)methane		0.449	0.426	0.423	0.388	0.389	0.407	6.3
2,4-Dichlorophenol		0.295	0.296	0.288	0.268	0.269	0.278	5.3
1,2,4-Trichlorobenzene		0.348	0.328	0.328	0.303	0.306	0.316	6.0
Benzoic acid		0.174	0.170	0.192	0.210	0.210	0.198	10.0
Naphthalene		1.145	1.092	1.078	0.984	0.990	1.031	7.2
4-Chloroaniline		0.381	0.366	0.355	0.321	0.321	0.338	8.6
Hexachlorobutadiene		0.220	0.208	0.207	0.192	0.195	0.201	5.8
Caprolactam		0.086	0.086	0.081	0.078	0.075	0.078	7.8
4-Chloro-3-methylphenol		0.319	0.317	0.305	0.288	0.284	0.295	6.4
2-Methylnaphthalene		0.724	0.693	0.680	0.618	0.615	0.646	8.2
Hexachlorocyclopentadiene			0.053	0.087	0.123	0.130	0.113	31.7
2,4,6-Trichlorophenol		0.389	0.366	0.379	0.363	0.360	0.369	3.2

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.: BF101524 SAS No.: BF101524 SDG No.: BF101524
Instrument ID: _____ Calibration Date(s): 10/15/2024
Calibration Time(s): 11:20

LAB FILE ID:		RRF2.5 = BF139805.D		RRF005 = BF139806.D		RRF010 = BF139807.D		
		RRF020 = BF139808.D		RRF040 = BF139809.D		RRF050 = BF139810.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.562	1.442	1.402	1.252	1.248	1.337	10.0
2,4,5-Trichlorophenol		0.412	0.408	0.418	0.380	0.382	0.396	4.2
1,1-Biphenyl		1.681	1.574	1.562	1.441	1.445	1.512	6.5
2-Chloronaphthalene		1.255	1.202	1.199	1.104	1.103	1.155	5.6
2-Nitroaniline		0.377	0.396	0.393	0.372	0.368	0.377	3.5
Dimethylphthalate		1.374	1.316	1.278	1.192	1.142	1.224	8.2
Acenaphthylene		1.870	1.786	1.762	1.642	1.620	1.697	6.6
2,6-Dinitrotoluene		0.288	0.294	0.295	0.278	0.269	0.279	4.9
3-Nitroaniline		0.307	0.299	0.293	0.278	0.264	0.278	7.9
Acenaphthene		1.201	1.144	1.124	1.024	1.008	1.075	7.6
2,4-Dinitrophenol			0.084	0.111	0.122	0.118	0.114	13.5
4-Nitrophenol		0.156	0.167	0.175	0.179	0.168	0.168	5.2
Dibenzofuran		1.807	1.743	1.699	1.541	1.528	1.612	8.5
2,4-Dinitrotoluene		0.372	0.376	0.369	0.345	0.324	0.345	8.4
Diethylphthalate		1.388	1.321	1.264	1.149	1.091	1.191	11.3
4-Chlorophenyl-phenylether		0.714	0.686	0.651	0.589	0.583	0.620	10.5
Fluorene		1.468	1.398	1.333	1.183	1.154	1.254	11.6
4-Nitroaniline		0.284	0.280	0.274	0.251	0.236	0.255	9.9
4,6-Dinitro-2-methylphenol			0.089	0.100	0.108	0.108	0.105	8.7
n-Nitrosodiphenylamine		0.660	0.645	0.637	0.603	0.623	0.633	3.0
Azobenzene		1.397	1.362	1.296	1.209	1.165	1.242	9.1
2,4,6-Tribromophenol		0.187	0.183	0.184	0.166	0.156	0.169	9.4
4-Bromophenyl-phenylether		0.217	0.216	0.219	0.206	0.215	0.215	2.1
Hexachlorobenzene		0.258	0.245	0.243	0.232	0.238	0.241	3.7
Atrazine		0.178	0.164	0.140	0.093	0.094	0.118	35.3
Pentachlorophenol		0.082	0.092	0.103	0.109	0.110	0.103	11.5
Phenanthrene		1.078	1.011	0.977	0.897	0.910	0.955	7.4
Anthracene		1.042	0.990	0.984	0.887	0.894	0.939	7.1
Carbazole		0.954	0.895	0.863	0.786	0.776	0.831	9.0
Di-n-butylphthalate		1.058	0.973	0.927	0.869	0.834	0.902	9.8
Fluoranthene		1.086	1.014	0.909	0.833	0.817	0.901	12.0
Benzidine		0.407	0.337	0.233	0.366	0.354	0.334	16.6
Pyrene		2.326	2.258	2.089	1.608	1.549	1.966	18.6
Terphenyl-d14		1.633	1.512	1.351	1.029	0.977	1.181	26.6
Butylbenzylphthalate		0.573	0.550	0.559	0.526	0.504	0.533	5.3
3,3-Dichlorobenzidine		0.418	0.415	0.443	0.451	0.454	0.443	4.3

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.: BF101524 SAS No.: BF101524 SDG No.: BF101524
Instrument ID: _____ Calibration Date(s): 10/15/2024 _____
Calibration Time(s): 11:20 _____

LAB FILE ID:		RRF2.5 = BF139805.D			RRF005 = BF139806.D		RRF010 = BF139807.D	
		RRF020 = BF139808.D			RRF040 = BF139809.D		RRF050 = BF139810.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.479	1.395	1.352	1.239	1.278	1.328	6.4
Chrysene		1.288	1.219	1.241	1.190	1.190	1.211	4.0
Bis(2-ethylhexyl)phthalate		0.605	0.657	0.709	0.721	0.703	0.688	6.1
Di-n-octyl phthalate		1.022	1.115	1.277	1.361	1.380	1.279	11.9
Benzo(b)fluoranthene		1.227	1.152	1.118	1.135	1.122	1.147	3.4
Benzo(k)fluoranthene		1.106	1.046	1.083	1.006	0.977	1.018	6.5
Benzo(a)pyrene		1.052	1.011	1.032	0.985	0.980	1.002	3.1
Indeno(1,2,3-cd)pyrene		1.466	1.428	1.426	1.246	1.273	1.339	7.3
Dibenzo(a,h)anthracene		1.229	1.161	1.164	1.025	1.053	1.098	7.8
Benzo(g,h,i)perylene		1.266	1.253	1.214	1.072	1.092	1.152	7.7
1,2,4,5-Tetrachlorobenzene		0.634	0.597	0.602	0.551	0.559	0.581	5.4
1,4-Dioxane		0.584	0.523	0.508	0.495	0.501	0.516	6.2
2,3,4,6-Tetrachlorophenol		0.321	0.306	0.314	0.289	0.282	0.294	7.2
1-Methylnaphthalene		0.706	0.681	0.657	0.603	0.596	0.629	8.3

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.: BF101624 SAS No.: BF101624 SDG NO.: BF101624

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

Lab File ID: BF139809.D Time Analyzed: 11:05

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	109239	6.857	408979	8.14	215201	9.89
UPPER LIMIT	218478	7.357	817958	8.64	430402	10.392
LOWER LIMIT	54619.5	6.357	204489.5	7.64	107600.5	9.392
EPA SAMPLE NO.						
01 PB164123BL	88705	6.85	341905	8.13	193323	9.89
02 WASTE-WATER-FRAC-TANK	76888	6.85	288995	8.13	159371	9.89
03 Hawthorne TP Soil	79495	6.85	305819	8.13	165101	9.89
04 F05308-SOLID	84185	6.85	307995	8.13	159578	9.89
05 NB-08-101424	74167	6.85	267091	8.13	123394	9.89
06 SB-06-0.167-0.667DL	71531	6.85	252315	8.13	121804	9.89
07 SU-03-101424	87765	6.85	317075	8.13	148861	9.89
08 OK-02-101524	81929	6.85	297982	8.13	144100	9.89
09 TR-04-101524	80726	6.85	298825	8.13	153213	9.89

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.: BF101624 SAS No.: BF101624 SDG NO.: BF101624

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

Lab File ID: BF139822.D Time Analyzed: 11:05

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	105278	6.851	385549	8.13	217510	9.89
UPPER LIMIT	210556	7.351	771098	8.633	435020	10.392
LOWER LIMIT	52639	6.351	192774.5	7.633	108755	9.392
EPA SAMPLE NO.						
01 PB164123BL	88705	6.85	341905	8.13	193323	9.89
02 WASTE-WATER-FRAC-TANK	76888	6.85	288995	8.13	159371	9.89
03 Hawthorne TP Soil	79495	6.85	305819	8.13	165101	9.89
04 F05308-SOLID	84185	6.85	307995	8.13	159578	9.89
05 NB-08-101424	74167	6.85	267091	8.13	123394	9.89
06 SB-06-0.167-0.667DL	71531	6.85	252315	8.13	121804	9.89
07 SU-03-101424	87765	6.85	317075	8.13	148861	9.89
08 OK-02-101524	81929	6.85	297982	8.13	144100	9.89
09 TR-04-101524	80726	6.85	298825	8.13	153213	9.89

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.: BF101624 SAS No.: BF101624 SDG NO.: BF101624

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

Lab File ID: BF139809.D Time Analyzed: 11:05

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	349089	11.375	180780	14.016	226754	15.48
UPPER LIMIT	698178	11.875	361560	14.516	453508	15.98
LOWER LIMIT	174544.5	10.875	90390	13.516	113377	14.98
EPA SAMPLE NO.						
01 PB164123BL	357793	11.37	179537	14.01	171426	15.47
02 WASTE-WATER-FRAC-TANK	271489	11.37	131574	14.01	167034	15.47
03 Hawthorne TP Soil	289532	11.37	150106	14.01	173852	15.47
04 F05308-SOLID	242858	11.37	170041	14.01	180026	15.47
05 NB-08-101424	181270	11.37	161911	14.01	112710 *	15.47
06 SB-06-0.167-0.667DL	185174	11.37	161413	14.01	119958	15.47
07 SU-03-101424	232285	11.37	162720	14.01	113755	15.48
08 OK-02-101524	230353	11.38	167078	14.02	120234	15.48
09 TR-04-101524	261292	11.37	155423	14.02	110241 *	15.48

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.: BF101624 SAS No.: BF101624 SDG NO.: BF101624

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

Lab File ID: BF139822.D Time Analyzed: 11:05

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	366791	11.374	166377	14.015	211152	15.474
UPPER LIMIT	733582	11.874	332754	14.515	422304	15.974
LOWER LIMIT	183395.5	10.874	83188.5	13.515	105576	14.974
EPA SAMPLE NO.						
01 PB164123BL	357793	11.37	179537	14.01	171426	15.47
02 WASTE-WATER-FRAC-TANK	271489	11.37	131574	14.01	167034	15.47
03 Hawthorne TP Soil	289532	11.37	150106	14.01	173852	15.47
04 F05308-SOLID	242858	11.37	170041	14.01	180026	15.47
05 NB-08-101424	181270 *	11.37	161911	14.01	112710	15.47
06 SB-06-0.167-0.667DL	185174	11.37	161413	14.01	119958	15.47
07 SU-03-101424	232285	11.37	162720	14.01	113755	15.48
08 OK-02-101524	230353	11.38	167078	14.02	120234	15.48
09 TR-04-101524	261292	11.37	155423	14.02	110241	15.48

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.

PB164123BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF101624

SAS No.: BF101624 SDG NO.: BF101624

Lab File ID: BF139823.D

Lab Sample ID: PB164123BL

Instrument ID: BNA_F

Date Extracted: 10/14/2024

Matrix: (soil/water) Solid

Date Analyzed: 10/16/2024

Level: (low/med) LOW

Time Analyzed: 11:05

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
F05308-SOLID	P4395-01	BF139826.D	10/16/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

NB-08-101424

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF101624

SAS No.: BF101624 SDG NO.: BF101624

Lab File ID: BF139827.D

Lab Sample ID: P4400-01

Instrument ID: BNA_F

Date Extracted: 10/15/2024

Matrix: (soil/water) Solid

Date Analyzed: 10/16/2024

Level: (low/med) LOW

Time Analyzed: 13:10

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
NB-08-101424	P4400-01	BF139827.D	10/16/2024
SU-03-101424	P4401-01	BF139829.D	10/16/2024
Hawthorne TP Soil	P4403-01	BF139825.D	10/16/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

WASTE-WATER-FRAC-TA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF101624

SAS No.: BF101624 SDG NO.: BF101624

Lab File ID: BF139824.D

Lab Sample ID: P4396-01

Instrument ID: BNA_F

Date Extracted: 10/15/2024

Matrix: (soil/water) Water

Date Analyzed: 10/16/2024

Level: (low/med) LOW

Time Analyzed: 11:45

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WASTE-WATER-FRAC-TANK	P4396-01	BF139824.D	10/16/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

OK-02-101524

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF101624

SAS No.: BF101624 SDG NO.: BF101624

Lab File ID: BF139830.D

Lab Sample ID: P4406-01

Instrument ID: BNA_F

Date Extracted: 10/16/2024

Matrix: (soil/water) Solid

Date Analyzed: 10/16/2024

Level: (low/med) LOW

Time Analyzed: 15:40

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
OK-02-101524	P4406-01	BF139830.D	10/16/2024
TR-04-101524	P4410-01	BF139831.D	10/16/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: BF101624

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4364-14DL	SB-06-0.167-0.667IBF139828.D		2-Fluorophenol	150	87.28	58		18	112
			Phenol-d6	150	93.95	63		15	107
			Nitrobenzene-d5	100	66.55	67		18	107
			2-Fluorobiphenyl	100	66.93	67		20	109
			2,4,6-Tribromophenol	150	74.50	50		10	116
			Terphenyl-d14	100	-25.00	-25	*	10	105

Surrogate Summary

SW-846

SDG No.: **BF101624**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4395-01	F05308-SOLID	BF139826.D	2-Fluorophenol	150	90.79	61		18	112
			Phenol-d6	150	86.73	58		15	107
			Nitrobenzene-d5	100	60.67	61		18	107
			2-Fluorobiphenyl	100	55.27	55		20	109
			2,4,6-Tribromophenol	150	80.59	54		10	116
			Terphenyl-d14	100	35.19	35		10	105
PB164123BL	PB164123BL	BF139823.D	2-Fluorophenol	150	141.91	95		18	112
			Phenol-d6	150	138.74	92		15	107
			Nitrobenzene-d5	100	94.96	95		18	107
			2-Fluorobiphenyl	100	89.61	90		20	109
			2,4,6-Tribromophenol	150	141.91	95		10	116
			Terphenyl-d14	100	151.25	151	*	10	105

Surrogate Summary

SW-846

SDG No.: **BF101624**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4400-01	NB-08-101424	BF139827.D	2-Fluorophenol	150	56.99	38		18	112
			Phenol-d6	150	55.33	37		15	107
			Nitrobenzene-d5	100	37.64	38		18	107
			2-Fluorobiphenyl	100	45.64	46		20	109
			2,4,6-Tribromophenol	150	48.02	32		10	116
			Terphenyl-d14	100	15.53	16		10	105
P4401-01	SU-03-101424	BF139829.D	2-Fluorophenol	150	74.14	49		18	112
			Phenol-d6	150	72.27	48		15	107
			Nitrobenzene-d5	100	50.31	50		18	107
			2-Fluorobiphenyl	100	54.72	55		20	109
			2,4,6-Tribromophenol	150	66.14	44		10	116
			Terphenyl-d14	100	48.09	48		10	105
P4403-01	Hawthorne TP Soil	BF139825.D	2-Fluorophenol	150	112.74	75		18	112
			Phenol-d6	150	111.22	74		15	107
			Nitrobenzene-d5	100	75.19	75		18	107
			2-Fluorobiphenyl	100	73.65	74		20	109
			2,4,6-Tribromophenol	150	114.43	76		10	116
			Terphenyl-d14	100	94.12	94		10	105

Surrogate Summary

SW-846

SDG No.: BF101624

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4396-01	WASTE-WATER-F\BF139824.D		2-Fluorophenol	150	64.76	43		10	139
			Phenol-d6	150	38.85	26		10	134
			Nitrobenzene-d5	100	97.50	97		49	133
			2-Fluorobiphenyl	100	86.90	87		52	132
			2,4,6-Tribromophenol	150	141.46	94		44	137
			Terphenyl-d14	100	111.39	111		48	125

Surrogate Summary

SW-846

SDG No.: BF101624

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4406-01	OK-02-101524	BF139830.D	2-Fluorophenol	150	88.07	59		18	112
			Phenol-d6	150	86.75	58		15	107
			Nitrobenzene-d5	100	57.98	58		18	107
			2-Fluorobiphenyl	100	66.91	67		20	109
			2,4,6-Tribromophenol	150	78.82	53		10	116
			Terphenyl-d14	100	29.65	30		10	105
P4410-01	TR-04-101524	BF139831.D	2-Fluorophenol	150	118.82	79		18	112
			Phenol-d6	150	116.16	77		15	107
			Nitrobenzene-d5	100	79.32	79		18	107
			2-Fluorobiphenyl	100	90.60	91		20	109
			2,4,6-Tribromophenol	150	116.21	77		10	116
			Terphenyl-d14	100	63.91	64		10	105

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF101624

Lab Code: CHEM

SAS No.: BF101624

SDG NO.: BF101624

Lab File ID: BF139821.D

DFTPP Injection Date: 10/16/2024

Instrument ID: BNA_F

DFTPP Injection Time: 10:09

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	45.1
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	38.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47.5
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.3
275	10.0 - 60.0% of mass 198	25.5
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	13.4
442	Greater than 50% of mass 198	86.3
443	15.0 - 24.0% of mass 442	16.2 (18.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF139822.D	10/16/2024	10:38
PB164123BL	PB164123BL	BF139823.D	10/16/2024	11:05
WASTE-WATER-FRAC-TANK	P4396-01	BF139824.D	10/16/2024	11:45
Hawthorne TP Soil	P4403-01	BF139825.D	10/16/2024	12:13
F05308-SOLID	P4395-01	BF139826.D	10/16/2024	12:42
NB-08-101424	P4400-01	BF139827.D	10/16/2024	13:10
SB-06-0.167-0.667DL	P4364-14DL	BF139828.D	10/16/2024	13:38
SU-03-101424	P4401-01	BF139829.D	10/16/2024	14:07
OK-02-101524	P4406-01	BF139830.D	10/16/2024	15:40
TR-04-101524	P4410-01	BF139831.D	10/16/2024	16:09