

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF092524 SAS No.: BF092524 SDG No.: BF092524

Instrument ID: BNA_F Calibration Date/Time: 9/25/2024 1:15:16

Lab File ID: BF139529.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.940	0.833		-11.383	
Pyridine	1.084	1.229		13.376	
2-Fluorophenol	1.226	1.185		-3.344	
Benzaldehyde	0.930	1.037		11.505	
Aniline	1.214	1.204		-0.824	
Phenol-d6	1.609	1.541		-4.226	
Phenol	1.639	1.626		-0.793	20.0
bis(2-Chloroethyl)ether	1.246	1.193		-4.254	
2-Chlorophenol	1.262	1.237		-1.981	
1,2-Dichlorobenzene	1.370	1.337		-2.409	
1,3-Dichlorobenzene	1.435	1.392		-2.997	
1,4-Dichlorobenzene	1.450	1.414		-2.483	20.0
Benzyl Alcohol	1.284	1.149		-10.514	
2-Methylphenol	1.003	0.989		-1.396	
2,2-oxybis(1-Chloropropane)	1.920	2.093		9.01	
Acetophenone	0.523	0.480		-8.222	
3+4-Methylphenols	1.368	1.267		-7.383	
n-Nitroso-di-n-propylamine	0.954	0.897	0.050	-5.975	
Nitrobenzene-d5	0.425	0.405		-4.706	
Hexachloroethane	0.552	0.532		-3.623	
Nitrobenzene	0.438	0.421		-3.881	
Isophorone	0.673	0.658		-2.229	
2-Nitrophenol	0.171	0.178		4.094	20.0
2,4-Dimethylphenol	0.225	0.225		0.0	
bis(2-Chloroethoxy)methane	0.383	0.389		1.567	
2,4-Dichlorophenol	0.286	0.277		-3.147	20.0
1,2,4-Trichlorobenzene	0.333	0.323		-3.003	
Benzoic acid	0.211	0.197		-6.635	
Naphthalene	1.044	1.023		-2.011	
4-Chloroaniline	0.319	0.313		-1.881	
Hexachlorobutadiene	0.226	0.203		-10.177	20.0
Caprolactam	0.088	0.085		-3.409	
4-Chloro-3-methylphenol	0.327	0.304		-7.034	20.0
2-Methylnaphthalene	0.663	0.629		-5.128	
Hexachlorocyclopentadiene	0.207	0.181	0.050	-12.56	
2,4,6-Trichlorophenol	0.386	0.383		-0.777	20.0
2-Fluorobiphenyl	1.426	1.343		-5.82	
2,4,5-Trichlorophenol	0.407	0.405		-0.491	
1,1-Biphenyl	1.539	1.510		-1.884	

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Lab File ID: BF139529.D Init. Calib. Date(s): _____
EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____
GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.150	1.154		0.348	
2-Nitroaniline	0.428	0.404		-5.607	
Dimethylphthalate	1.313	1.230		-6.321	
Acenaphthylene	1.732	1.693		-2.252	
2,6-Dinitrotoluene	0.291	0.280		-3.78	
3-Nitroaniline	0.291	0.273		-6.186	
Acenaphthene	1.209	1.146		-5.211	20.0
2,4-Dinitrophenol	0.162	0.140	0.050	-13.58	
4-Nitrophenol	0.240	0.194	0.050	-19.167	
Dibenzofuran	1.685	1.601		-4.985	
2,4-Dinitrotoluene	0.393	0.368		-6.361	
Diethylphthalate	1.355	1.200		-11.439	
4-Chlorophenyl-phenylether	0.668	0.609		-8.832	
Fluorene	1.375	1.257		-8.582	
4-Nitroaniline	0.317	0.260		-17.981	
4,6-Dinitro-2-methylphenol	0.106	0.109		2.83	
n-Nitrosodiphenylamine	0.585	0.619		5.812	20.0
Azobenzene	1.332	1.235		-7.282	
2,4,6-Tribromophenol	0.213	0.174		-18.31	
4-Bromophenyl-phenylether	0.198	0.209		5.556	
Hexachlorobenzene	0.233	0.231		-0.858	
Atrazine	0.139	0.122		-12.23	
Pentachlorophenol	0.140	0.126		-10.0	20.0
Phenanthrene	0.965	0.947		-1.865	
Anthracene	0.943	0.930		-1.379	
Carbazole	0.903	0.836		-7.42	
Di-n-butylphthalate	1.006	0.908		-9.742	
Fluoranthene	1.030	0.872		-15.34	20.0
Benzidine	0.287	0.204		-28.92	
Pyrene	1.717	1.741		1.398	
Terphenyl-d14	1.218	1.119		-8.128	
Butylbenzylphthalate	0.585	0.533		-8.889	
3,3-Dichlorobenzidine	0.388	0.381		-1.804	
Benzo(a)anthracene	1.325	1.287		-2.868	
Chrysene	1.219	1.219		0.0	
Bis(2-ethylhexyl)phthalate	0.744	0.655		-11.962	
Di-n-octyl phthalate	1.095	1.147		4.749	20.0
Benzo(b)fluoranthene	1.233	1.071		-13.139	
Benzo(k)fluoranthene	1.137	1.053		-7.388	

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Instrument ID: BNA_F Calibration Date/Time: 9/25/2024 1:15:16

Lab File ID: BF139529.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.023	0.994		-2.835	20.0
Indeno(1,2,3-cd)pyrene	1.189	1.245		4.71	
Dibenzo(a,h)anthracene	0.983	1.016		3.357	
Benzo(g,h,i)perylene	0.973	1.054		8.325	
1,2,4,5-Tetrachlorobenzene	0.593	0.581		-2.024	
1,4-Dioxane	0.492	0.496		0.813	20.0
2,3,4,6-Tetrachlorophenol	0.336	0.316		-5.952	
1-Methylnaphthalene	0.651	0.621		-4.608	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	PB163661BL	SDG No.:	BF092524
Lab Sample ID:	PB163661BL	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
BF139530.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

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:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	PB163661BL	SDG No.:	BF092524
Lab Sample ID:	PB163661BL	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
BF139530.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

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:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	PB163661BL	SDG No.:	BF092524
Lab Sample ID:	PB163661BL	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
BF139530.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

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	112.959		18-112		75	SPK: -150
13127-88-3	Phenol-d6	111.116		15-107		74	SPK: -150
4165-60-0	Nitrobenzene-d5	75.722		18-107		76	SPK: -100
321-60-8	2-Fluorobiphenyl	76.025		20-109		76	SPK: -100

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	PB163661BL	SDG No.:	BF092524
Lab Sample ID:	PB163661BL	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
BF139530.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	96.944		10-116		65	SPK: -150
1718-51-0	Terphenyl-d14	84.769		10-105		85	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	66825	6.875				
1146-65-2	Naphthalene-d8	244178	8.157				
15067-26-2	Acenaphthene-d10	128439	9.91				
1517-22-2	Phenanthrene-d10	235575	11.398				
1719-03-5	Chrysene-d12	137899	14.033				
1520-96-3	Perylene-d12	117304	15.509				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	110	J			2.187	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	200	A			5.098	

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	PB163661BS	SDG No.:	BF092524
Lab Sample ID:	PB163661BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139531.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1400		86.8	270	330	ug/Kg
110-86-1	Pyridine	1700		79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	320	J	180	270	330	ug/Kg
62-53-3	Aniline	1900		96.9	130	170	ug/Kg
108-95-2	Phenol	1600		82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		83	270	330	ug/Kg
95-48-7	2-Methylphenol	1600		80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1900		90.9	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	1500		83	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.8	130	170	ug/Kg
78-59-1	Isophorone	1700		84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	1800		94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	2000		93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		85.4	130	170	ug/Kg
65-85-0	Benzoic acid	1500		240	270	330	ug/Kg
91-20-3	Naphthalene	1600		82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	890		82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	PB163661BS	SDG No.:	BF092524
Lab Sample ID:	PB163661BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139531.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1800		86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5300	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	1700		95	130	170	ug/Kg
131-11-3	Dimethylphthalate	1600		81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	1700		86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	1200		89.2	130	170	ug/Kg
83-32-9	Acenaphthene	1800		81.1	130	170	ug/Kg
Total PAH	Total PAH	27200		1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3300	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3100	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1600		84.4	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3300		169.4	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		86.2	130	170	ug/Kg
84-66-2	Diethylphthalate	1600		80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.6	130	170	ug/Kg
86-73-7	Fluorene	1600		85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	1500		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		81.6	130	170	ug/Kg
103-33-3	Azobenzene	1700		79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		85	130	170	ug/Kg
1912-24-9	Atrazine	2200		91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	PB163661BS	SDG No.:	BF092524
Lab Sample ID:	PB163661BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139531.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2900	E	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	1700		84	130	170	ug/Kg
120-12-7	Anthracene	1800		84.4	130	170	ug/Kg
86-74-8	Carbazole	1600		80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		84.3	130	170	ug/Kg
206-44-0	Fluoranthene	1500		81.7	130	170	ug/Kg
92-87-5	Benzidine	2700	E	160	270	330	ug/Kg
129-00-0	Pyrene	1800		83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1700		80.7	130	170	ug/Kg
218-01-9	Chrysene	1700		79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1700		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1800		93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	1500		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1500		83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	129.218		18-112		86	SPK: -150
13127-88-3	Phenol-d6	127.003		15-107		85	SPK: -150
4165-60-0	Nitrobenzene-d5	88.072		18-107		88	SPK: -100
321-60-8	2-Fluorobiphenyl	86.629		20-109		87	SPK: -100

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	PB163661BS	SDG No.:	BF092524
Lab Sample ID:	PB163661BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139531.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	124.68		10-116		83	SPK: -150
1718-51-0	Terphenyl-d14	94.044		10-105		94	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	68984	6.875				
1146-65-2	Naphthalene-d8	251079	8.157				
15067-26-2	Acenaphthene-d10	138500	9.916				
1517-22-2	Phenanthrene-d10	256247	11.398				
1719-03-5	Chrysene-d12	124390	14.039				
1520-96-3	Perylene-d12	142443	15.51				

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	PB163665BL	SDG No.:	BF092524
Lab Sample ID:	PB163665BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		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
BF139532.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163665

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

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	PB163665BL	SDG No.:	BF092524
Lab Sample ID:	PB163665BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139532.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163665

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

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	PB163665BL	SDG No.:	BF092524
Lab Sample ID:	PB163665BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139532.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L
92-87-5	Benzidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	149.022		10-139		99	SPK: -150
13127-88-3	Phenol-d6	145.566		10-134		97	SPK: -150
4165-60-0	Nitrobenzene-d5	100.507		49-133		101	SPK: -100
321-60-8	2-Fluorobiphenyl	98.844		52-132		99	SPK: -100

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	PB163665BL	SDG No.:	BF092524
Lab Sample ID:	PB163665BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139532.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	129.957		44-137		87	SPK: -150
1718-51-0	Terphenyl-d14	108.865		48-125		109	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	69594	6.875				
1146-65-2	Naphthalene-d8	252876	8.157				
15067-26-2	Acenaphthene-d10	135217	9.91				
1517-22-2	Phenanthrene-d10	253266	11.398				
1719-03-5	Chrysene-d12	151018	14.033				
1520-96-3	Perylene-d12	126891	15.51				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	3.4	J			2.205	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	8.2	A			5.11	

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	PB163665BS	SDG No.:	BF092524
Lab Sample ID:	PB163665BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139533.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	46.2		1	8	10	ug/L
110-86-1	Pyridine	54.9		1.6	4	5	ug/L
100-52-7	Benzaldehyde	10.3		4	8	10	ug/L
62-53-3	Aniline	62.1		1.6	4	5	ug/L
108-95-2	Phenol	52		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	50.8		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	52.2		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	49.7		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	48.3		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	48.5		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	47.9		1.6	8	10	ug/L
95-48-7	2-Methylphenol	52.1		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	59.2		1.4	4	5	ug/L
98-86-2	Acetophenone	47.5		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	48.5		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	50		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	47.4		1	4	5	ug/L
98-95-3	Nitrobenzene	47.2		1.3	4	5	ug/L
78-59-1	Isophorone	52		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	55		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	63		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	52.6		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	50.7		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	47.3		1.1	4	5	ug/L
65-85-0	Benzoic acid	46.7		5.5	8	10	ug/L
91-20-3	Naphthalene	50.2		1	4	5	ug/L
106-47-8	4-Chloroaniline	26.3		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	44.7		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	PB163665BS	SDG No.:	BF092524
Lab Sample ID:	PB163665BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139533.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	58.8		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	50.7		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	50.2		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	170	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	52		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	51.7		1	4	5	ug/L
92-52-4	1,1-Biphenyl	49.7		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	50.5		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	53.4		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	52.2		0.93	4	5	ug/L
208-96-8	Acenaphthylene	55.7		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	52.4		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	39.3		1.4	4	5	ug/L
83-32-9	Acenaphthene	57.3		0.81	4	5	ug/L
Total PAH	Total PAH	862.1		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	100	E	2	8	10	ug/L
132-64-9	Dibenzofuran	51.7		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	507.2		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	54.8		1.5	4	5	ug/L
84-66-2	Diethylphthalate	51		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	49.1		0.98	4	5	ug/L
86-73-7	Fluorene	50.6		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	51.4		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	56.2		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	53		0.89	4	5	ug/L
103-33-3	Azobenzene	52.4		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	51.7		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	49.3		1.1	4	5	ug/L
1912-24-9	Atrazine	70		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	PB163665BS	SDG No.:	BF092524
Lab Sample ID:	PB163665BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139533.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	92.7	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	53.3		0.89	4	5	ug/L
120-12-7	Anthracene	55.4		1.1	4	5	ug/L
86-74-8	Carbazole	51.2		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	51.3		1.5	4	5	ug/L
206-44-0	Fluoranthene	47.1		1.3	4	5	ug/L
92-87-5	Benzidine	86.7	E	4.1	8	10	ug/L
129-00-0	Pyrene	58.2		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	52.2		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	46.2		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	54.1		0.94	4	5	ug/L
218-01-9	Chrysene	54.7		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	49.2		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	54		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	47.7		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	52.9		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	57.1		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	58.2		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	56.3		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	53.3		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	48.6		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	45.7		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	53.4		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	47.8		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	147.103		10-139		98	SPK: -150
13127-88-3	Phenol-d6	145.084		10-134		97	SPK: -150
4165-60-0	Nitrobenzene-d5	99.894		49-133		100	SPK: -100
321-60-8	2-Fluorobiphenyl	97.503		52-132		98	SPK: -100

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	PB163665BS	SDG No.:	BF092524
Lab Sample ID:	PB163665BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139533.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	143.932		44-137		96	SPK: -150
1718-51-0	Terphenyl-d14	112.017		48-125		112	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	66799	6.881				
1146-65-2	Naphthalene-d8	243770	8.157				
15067-26-2	Acenaphthene-d10	131975	9.916				
1517-22-2	Phenanthrene-d10	253697	11.398				
1719-03-5	Chrysene-d12	122817	14.039				
1520-96-3	Perylene-d12	141578	15.51				

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	PB163649TB	SDG No.:	BF092524
Lab Sample ID:	PB163649TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BF139534.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	PB163649TB	SDG No.:	BF092524
Lab Sample ID:	PB163649TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BF139534.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	PB163649TB	SDG No.:	BF092524
Lab Sample ID:	PB163649TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BF139534.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	128.112		10-139		85	SPK: -150
13127-88-3	Phenol-d6	125.23		10-134		83	SPK: -150
4165-60-0	Nitrobenzene-d5	85.194		49-133		85	SPK: -100
321-60-8	2-Fluorobiphenyl	83.949		52-132		84	SPK: -100

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	PB163649TB	SDG No.:	BF092524
Lab Sample ID:	PB163649TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139534.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	109.792		44-137		73	SPK: -150
1718-51-0	Terphenyl-d14	96.878		48-125		97	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	71468	6.875				
1146-65-2	Naphthalene-d8	266054	8.157				
15067-26-2	Acenaphthene-d10	143134	9.91				
1517-22-2	Phenanthrene-d10	262330	11.398				
1719-03-5	Chrysene-d12	148291	14.033				
1520-96-3	Perylene-d12	129720	15.504				

Report of Analysis

Client:		Date Collected:	9/23/2024 12:00:00 AM
Project:		Date Received:	9/23/2024 12:00:00 AM
Client Sample ID:	STOCK-PILE	SDG No.:	BF092524
Lab Sample ID:	P4148-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BF139535.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	9/23/2024 12:00:00 AM
Project:		Date Received:	9/23/2024 12:00:00 AM
Client Sample ID:	STOCK-PILE	SDG No.:	BF092524
Lab Sample ID:	P4148-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BF139535.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	9/23/2024 12:00:00 AM
Project:		Date Received:	9/23/2024 12:00:00 AM
Client Sample ID:	STOCK-PILE	SDG No.:	BF092524
Lab Sample ID:	P4148-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BF139535.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	115.336		10-139		77	SPK: -150
13127-88-3	Phenol-d6	107.146		10-134		71	SPK: -150
4165-60-0	Nitrobenzene-d5	84.574		49-133		85	SPK: -100
321-60-8	2-Fluorobiphenyl	83.391		52-132		83	SPK: -100

Report of Analysis

Client:		Date Collected:	9/23/2024 12:00:00 AM
Project:		Date Received:	9/23/2024 12:00:00 AM
Client Sample ID:	STOCK-PILE	SDG No.:	BF092524
Lab Sample ID:	P4148-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BF139535.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	126.522		44-137		84	SPK: -150
1718-51-0	Terphenyl-d14	113.641		48-125		114	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	80729	6.875				
1146-65-2	Naphthalene-d8	307984	8.157				
15067-26-2	Acenaphthene-d10	168720	9.91				
1517-22-2	Phenanthrene-d10	313713	11.398				
1719-03-5	Chrysene-d12	147204	14.033				
1520-96-3	Perylene-d12	130637	15.504				

Report of Analysis

Client:		Date Collected:	9/23/2024 12:00:00 AM
Project:		Date Received:	9/23/2024 12:00:00 AM
Client Sample ID:	STOCK-PILEMS	SDG No.:	BF092524
Lab Sample ID:	P4148-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BF139536.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	420		10.3	80	100	ug/L
110-86-1	Pyridine	500		15.5	40	50	ug/L
100-52-7	Benzaldehyde	44.5	J	40	80	100	ug/L
62-53-3	Aniline	500		16	40	50	ug/L
108-95-2	Phenol	450		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	540		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	500		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	460		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	440		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	450		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	500		16	80	100	ug/L
95-48-7	2-Methylphenol	520		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	590		13.5	40	50	ug/L
98-86-2	Acetophenone	450		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	480		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	530		14.8	25	25	ug/L
67-72-1	Hexachloroethane	440		10.1	40	50	ug/L
98-95-3	Nitrobenzene	450		12.7	40	50	ug/L
78-59-1	Isophorone	530		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	530		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	620		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	530		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	500		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	450		11	40	50	ug/L
65-85-0	Benzoic acid	430		54.7	80	100	ug/L
91-20-3	Naphthalene	480		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	240		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	420		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	9/23/2024 12:00:00 AM
Project:		Date Received:	9/23/2024 12:00:00 AM
Client Sample ID:	STOCK-PILEMS	SDG No.:	BF092524
Lab Sample ID:	P4148-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BF139536.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	470		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	500		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	500		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1500	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	510		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	510		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	490		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	490		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	520		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	530		9.3	40	50	ug/L
208-96-8	Acenaphthylene	540		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	520		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	420		13.7	40	50	ug/L
83-32-9	Acenaphthene	540		8.1	40	50	ug/L
Total PAH	Total PAH	8330		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	820	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	860	E	20	80	100	ug/L
132-64-9	Dibenzofuran	500		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	540		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	520		15.2	40	50	ug/L
84-66-2	Diethylphthalate	520		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	490		9.8	40	50	ug/L
86-73-7	Fluorene	490		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	460		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	490		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	550		8.9	40	50	ug/L
103-33-3	Azobenzene	520		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	540		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	520		11.4	40	50	ug/L
1912-24-9	Atrazine	730		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	9/23/2024 12:00:00 AM
Project:		Date Received:	9/23/2024 12:00:00 AM
Client Sample ID:	STOCK-PILEMS	SDG No.:	BF092524
Lab Sample ID:	P4148-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BF139536.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	910	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	530		8.9	40	50	ug/L
120-12-7	Anthracene	560		10.7	40	50	ug/L
86-74-8	Carbazole	500		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	570		14.7	40	50	ug/L
206-44-0	Fluoranthene	470		12.9	40	50	ug/L
92-87-5	Benzidine	1700	E	40.7	80	100	ug/L
129-00-0	Pyrene	590		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	610		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	510		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	540		9.4	40	50	ug/L
218-01-9	Chrysene	550		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	580		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	620		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	560		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	470		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	580		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	500		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	500		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	430		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	480		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	440		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	530		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	470		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	127.913		10-139		85	SPK: -150
13127-88-3	Phenol-d6	120.821		10-134		81	SPK: -150
4165-60-0	Nitrobenzene-d5	92.874		49-133		93	SPK: -100
321-60-8	2-Fluorobiphenyl	90.994		52-132		91	SPK: -100

Report of Analysis

Client:		Date Collected:	9/23/2024 12:00:00 AM
Project:		Date Received:	9/23/2024 12:00:00 AM
Client Sample ID:	STOCK-PILEMS	SDG No.:	BF092524
Lab Sample ID:	P4148-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139536.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	130.309		44-137		87	SPK: -150
1718-51-0	Terphenyl-d14	109.802		48-125		110	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82065	6.881				
1146-65-2	Naphthalene-d8	315781	8.157				
15067-26-2	Acenaphthene-d10	174649	9.916				
1517-22-2	Phenanthrene-d10	314578	11.404				
1719-03-5	Chrysene-d12	146193	14.039				
1520-96-3	Perylene-d12	159732	15.51				

Report of Analysis

Client:		Date Collected:	9/23/2024 12:00:00 AM
Project:		Date Received:	9/23/2024 12:00:00 AM
Client Sample ID:	STOCK-PILEMSD	SDG No.:	BF092524
Lab Sample ID:	P4148-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BF139537.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	550		10.3	80	100	ug/L
110-86-1	Pyridine	660		15.5	40	50	ug/L
100-52-7	Benzaldehyde	61	J	40	80	100	ug/L
62-53-3	Aniline	700		16	40	50	ug/L
108-95-2	Phenol	590		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	680		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	640		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	590		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	570		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	580		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	640		16	80	100	ug/L
95-48-7	2-Methylphenol	650		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	750		13.5	40	50	ug/L
98-86-2	Acetophenone	580		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	610		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	680		14.8	25	25	ug/L
67-72-1	Hexachloroethane	570		10.1	40	50	ug/L
98-95-3	Nitrobenzene	580		12.7	40	50	ug/L
78-59-1	Isophorone	670		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	670		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	790		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	680		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	650		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	570		11	40	50	ug/L
65-85-0	Benzoic acid	590		54.7	80	100	ug/L
91-20-3	Naphthalene	600		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	360		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	550		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	9/23/2024 12:00:00 AM
Project:		Date Received:	9/23/2024 12:00:00 AM
Client Sample ID:	STOCK-PILEMSD	SDG No.:	BF092524
Lab Sample ID:	P4148-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BF139537.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	620		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	640		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	640		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1900	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	660		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	650		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	630		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	630		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	670		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	690		9.3	40	50	ug/L
208-96-8	Acenaphthylene	690		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	670		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	550		13.7	40	50	ug/L
83-32-9	Acenaphthene	690		8.1	40	50	ug/L
Total PAH	Total PAH	10790		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1100	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	1100	E	20	80	100	ug/L
132-64-9	Dibenzofuran	650		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	360		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	690		15.2	40	50	ug/L
84-66-2	Diethylphthalate	690		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	630		9.8	40	50	ug/L
86-73-7	Fluorene	640		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	630		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	620		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	710		8.9	40	50	ug/L
103-33-3	Azobenzene	690		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	700		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	650		11.4	40	50	ug/L
1912-24-9	Atrazine	950	E	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	9/23/2024 12:00:00 AM
Project:		Date Received:	9/23/2024 12:00:00 AM
Client Sample ID:	STOCK-PILEMSD	SDG No.:	BF092524
Lab Sample ID:	P4148-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BF139537.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1200	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	690		8.9	40	50	ug/L
120-12-7	Anthracene	720		10.7	40	50	ug/L
86-74-8	Carbazole	650		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	750		14.7	40	50	ug/L
206-44-0	Fluoranthene	630		12.9	40	50	ug/L
92-87-5	Benzidine	1900	E	40.7	80	100	ug/L
129-00-0	Pyrene	790		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	810	E	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	670		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	700		9.4	40	50	ug/L
218-01-9	Chrysene	710		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	780		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	810	E	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	740		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	620		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	760		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	640		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	630		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	540		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	600		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	560		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	680		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	610		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	162.754		10-139		109	SPK: -150
13127-88-3	Phenol-d6	155.893		10-134		104	SPK: -150
4165-60-0	Nitrobenzene-d5	117.06		49-133		117	SPK: -100
321-60-8	2-Fluorobiphenyl	114.902		52-132		115	SPK: -100

Report of Analysis

Client:		Date Collected:	9/23/2024 12:00:00 AM
Project:		Date Received:	9/23/2024 12:00:00 AM
Client Sample ID:	STOCK-PILEMSD	SDG No.:	BF092524
Lab Sample ID:	P4148-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139537.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	171.002		44-137		114	SPK: -150
1718-51-0	Terphenyl-d14	145.364	*	48-125		145	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	62404	6.881				
1146-65-2	Naphthalene-d8	241477	8.157				
15067-26-2	Acenaphthene-d10	134253	9.916				
1517-22-2	Phenanthrene-d10	248273	11.398				
1719-03-5	Chrysene-d12	116771	14.039				
1520-96-3	Perylene-d12	122873	15.51				

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	CHRT-20425	SDG No.:	BF092524
Lab Sample ID:	P4172-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	85.4
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139538.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	360	U	360	1100	1400	ug/Kg
110-86-1	Pyridine	330	U	330	530	700	ug/Kg
100-52-7	Benzaldehyde	750	U	750	1100	1400	ug/Kg
62-53-3	Aniline	400	U	400	530	700	ug/Kg
108-95-2	Phenol	340	U	340	530	700	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	340	U	340	530	700	ug/Kg
95-57-8	2-Chlorophenol	340	U	340	530	700	ug/Kg
95-50-1	1,2-Dichlorobenzene	350	U	350	530	700	ug/Kg
541-73-1	1,3-Dichlorobenzene	350	U	350	530	700	ug/Kg
106-46-7	1,4-Dichlorobenzene	360	U	360	530	700	ug/Kg
100-51-6	Benzyl Alcohol	340	U	340	1100	1400	ug/Kg
95-48-7	2-Methylphenol	330	U	330	530	700	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	370	U	370	530	700	ug/Kg
98-86-2	Acetophenone	360	U	360	530	700	ug/Kg
65794-96-9	3+4-Methylphenols	330	U	330	1100	1400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	170	330	330	ug/Kg
67-72-1	Hexachloroethane	340	U	340	530	700	ug/Kg
98-95-3	Nitrobenzene	370	U	370	530	700	ug/Kg
78-59-1	Isophorone	350	U	350	530	700	ug/Kg
88-75-5	2-Nitrophenol	390	U	390	530	700	ug/Kg
105-67-9	2,4-Dimethylphenol	380	U	380	530	700	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	350	U	350	530	700	ug/Kg
120-83-2	2,4-Dichlorophenol	310	U	310	530	700	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	350	U	350	530	700	ug/Kg
65-85-0	Benzoic acid	970	U	970	1100	1400	ug/Kg
91-20-3	Naphthalene	340	U	340	530	700	ug/Kg
106-47-8	4-Chloroaniline	340	U	340	530	700	ug/Kg
87-68-3	Hexachlorobutadiene	340	U	340	530	700	ug/Kg

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	CHRT-20425	SDG No.:	BF092524
Lab Sample ID:	P4172-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	85.4
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139538.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	360	U	360	1100	1400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	320	U	320	530	700	ug/Kg
91-57-6	2-Methylnaphthalene	340	U	340	530	700	ug/Kg
77-47-4	Hexachlorocyclopentadiene	640	U	640	1100	1400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	290	U	290	530	700	ug/Kg
95-95-4	2,4,5-Trichlorophenol	300	U	300	530	700	ug/Kg
92-52-4	1,1-Biphenyl	360	U	360	530	700	ug/Kg
91-58-7	2-Chloronaphthalene	340	U	340	530	700	ug/Kg
88-74-4	2-Nitroaniline	390	U	390	530	700	ug/Kg
131-11-3	Dimethylphthalate	340	U	340	530	700	ug/Kg
208-96-8	Acenaphthylene	360	U	360	530	700	ug/Kg
606-20-2	2,6-Dinitrotoluene	340	U	340	530	700	ug/Kg
99-09-2	3-Nitroaniline	370	U	370	530	700	ug/Kg
83-32-9	Acenaphthene	330	U	330	530	700	ug/Kg
Total PAH	Total PAH	19480	U	5440	530	11200	ug/Kg
51-28-5	2,4-Dinitrophenol	1000	U	1000	1100	1400	ug/Kg
100-02-7	4-Nitrophenol	480	U	480	1100	1400	ug/Kg
132-64-9	Dibenzofuran	350	U	350	530	700	ug/Kg
121-14-2	2,4-Dinitrotoluene	350	U	350	530	700	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	690	U	690	530	1400	ug/Kg
84-66-2	Diethylphthalate	330	U	330	530	700	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	350	U	350	530	700	ug/Kg
86-73-7	Fluorene	350	U	350	530	700	ug/Kg
100-01-6	4-Nitroaniline	440	U	440	530	700	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	480	U	480	1100	1400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	340	U	340	530	700	ug/Kg
103-33-3	Azobenzene	330	U	330	530	700	ug/Kg
101-55-3	4-Bromophenyl-phenylether	320	U	320	530	700	ug/Kg
118-74-1	Hexachlorobenzene	350	U	350	530	700	ug/Kg
1912-24-9	Atrazine	380	U	380	530	700	ug/Kg

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	CHRT-20425	SDG No.:	BF092524
Lab Sample ID:	P4172-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	85.4
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139538.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	320	U	320	1100	1400	ug/Kg
85-01-8	Phenanthrene	1800		340	530	700	ug/Kg
120-12-7	Anthracene	350	U	350	530	700	ug/Kg
86-74-8	Carbazole	330	U	330	530	700	ug/Kg
84-74-2	Di-n-butylphthalate	350	U	350	530	700	ug/Kg
206-44-0	Fluoranthene	2900		340	530	700	ug/Kg
92-87-5	Benzidine	670	U	670	1100	1400	ug/Kg
129-00-0	Pyrene	2700		340	530	700	ug/Kg
85-68-7	Butylbenzylphthalate	400	U	400	530	700	ug/Kg
91-94-1	3,3-Dichlorobenzidine	400	U	400	1100	1400	ug/Kg
56-55-3	Benzo(a)anthracene	2000		330	530	700	ug/Kg
218-01-9	Chrysene	2800		330	530	700	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	370	U	370	530	700	ug/Kg
117-84-0	Di-n-octyl phthalate	450	U	450	1100	1400	ug/Kg
205-99-2	Benzo(b)fluoranthene	2600		330	530	700	ug/Kg
207-08-9	Benzo(k)fluoranthene	810		340	530	700	ug/Kg
50-32-8	Benzo(a)pyrene	2200		380	530	700	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	670	J	320	530	700	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	330	U	330	530	700	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1000		330	530	700	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	360	U	360	530	700	ug/Kg
123-91-1	1,4-Dioxane	450	U	450	530	700	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	310	U	310	530	700	ug/Kg
90-12-0	1-Methylnaphthalene	340	U	340	700	700	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	79.107		18-112		53	SPK: -150
13127-88-3	Phenol-d6	81.96		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	51.815		18-107		52	SPK: -100
321-60-8	2-Fluorobiphenyl	39.223		20-109		39	SPK: -100

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	CHRT-20425	SDG No.:	BF092524
Lab Sample ID:	P4172-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	85.4
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139538.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	58.033		10-116		39	SPK: -150
1718-51-0	Terphenyl-d14	31.466		10-105		31	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	84943	6.875				
1146-65-2	Naphthalene-d8	315878	8.157				
15067-26-2	Acenaphthene-d10	160510	9.91				
1517-22-2	Phenanthrene-d10	238640	11.398				
1719-03-5	Chrysene-d12	156653	14.033				
1520-96-3	Perylene-d12	132212	15.509				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	7900	J			2.163	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	740	A			5.093	
000119-61-9	Benzophenone	450	J			10.622	
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	400	J			10.822	
000112-40-3	Dodecane	450	J			11.292	
000057-10-3	n-Hexadecanoic acid	1500	J			11.922	
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	680	J			12.01	
000218-30-4	Dibenzo[c,h][2,6]naphthyridine	460	J			13.674	
064401-21-4	Pyrene, 1,3-dimethyl-	930	J			13.774	
1000212-27-9	trans-5-Methyl-6-phenyl-5,6-dihydr	460	J			14.116	
083821-58-3	10-Methylbenzo[b]naphtho[2,1-d]thi	650	J			14.198	
1000305-22-4	1H-Benz[f]indene, 2-phenyl-	1800	J			14.421	
003351-28-8	Chrysene, 1-methyl-	410	J			14.457	
021297-22-3	5,12-Dimethylbenz[a]anthracene	970	J			14.757	
000316-51-8	3,9-Dimethylbenz[a]anthracene	990	J			14.81	
035187-19-0	4,12-Dimethylbenz[a]anthracene	1100	J			14.845	
035187-18-9	Benz(a)anthracene, 4,7-dimethyl-	450	J			14.921	
000192-97-2	Benzo[e]pyrene	1200	J			15.386	
024471-47-4	Perylene, 3-methyl-	500	J			15.868	

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	CHRT-20425	SDG No.:	BF092524
Lab Sample ID:	P4172-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	85.4
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139538.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
063041-77-0	7-Methylbenzo[pqr]tetraphene	640	J			15.957	

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	SU-04-09242024	SDG No.:	BF092524
Lab Sample ID:	P4168-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.7
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139539.D	5	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	290	U	290	890	1100	ug/Kg
110-86-1	Pyridine	260	U	260	430	560	ug/Kg
100-52-7	Benzaldehyde	600	U	600	890	1100	ug/Kg
62-53-3	Aniline	320	U	320	430	560	ug/Kg
108-95-2	Phenol	270	U	270	430	560	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	270	U	270	430	560	ug/Kg
95-57-8	2-Chlorophenol	270	U	270	430	560	ug/Kg
95-50-1	1,2-Dichlorobenzene	280	U	280	430	560	ug/Kg
541-73-1	1,3-Dichlorobenzene	280	U	280	430	560	ug/Kg
106-46-7	1,4-Dichlorobenzene	280	U	280	430	560	ug/Kg
100-51-6	Benzyl Alcohol	270	U	270	890	1100	ug/Kg
95-48-7	2-Methylphenol	260	U	260	430	560	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	300	U	300	430	560	ug/Kg
98-86-2	Acetophenone	290	U	290	430	560	ug/Kg
65794-96-9	3+4-Methylphenols	260	U	260	890	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	130	U	130	260	260	ug/Kg
67-72-1	Hexachloroethane	270	U	270	430	560	ug/Kg
98-95-3	Nitrobenzene	300	U	300	430	560	ug/Kg
78-59-1	Isophorone	280	U	280	430	560	ug/Kg
88-75-5	2-Nitrophenol	310	U	310	430	560	ug/Kg
105-67-9	2,4-Dimethylphenol	310	U	310	430	560	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	280	U	280	430	560	ug/Kg
120-83-2	2,4-Dichlorophenol	250	U	250	430	560	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	280	U	280	430	560	ug/Kg
65-85-0	Benzoic acid	780	U	780	890	1100	ug/Kg
91-20-3	Naphthalene	270	U	270	430	560	ug/Kg
106-47-8	4-Chloroaniline	270	U	270	430	560	ug/Kg
87-68-3	Hexachlorobutadiene	270	U	270	430	560	ug/Kg

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	SU-04-09242024	SDG No.:	BF092524
Lab Sample ID:	P4168-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.7
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139539.D	5	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	290	U	290	890	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	250	U	250	430	560	ug/Kg
91-57-6	2-Methylnaphthalene	270	U	270	430	560	ug/Kg
77-47-4	Hexachlorocyclopentadiene	510	U	510	890	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	230	U	230	430	560	ug/Kg
95-95-4	2,4,5-Trichlorophenol	240	U	240	430	560	ug/Kg
92-52-4	1,1-Biphenyl	290	U	290	430	560	ug/Kg
91-58-7	2-Chloronaphthalene	270	U	270	430	560	ug/Kg
88-74-4	2-Nitroaniline	310	U	310	430	560	ug/Kg
131-11-3	Dimethylphthalate	270	U	270	430	560	ug/Kg
208-96-8	Acenaphthylene	280	U	280	430	560	ug/Kg
606-20-2	2,6-Dinitrotoluene	270	U	270	430	560	ug/Kg
99-09-2	3-Nitroaniline	290	U	290	430	560	ug/Kg
83-32-9	Acenaphthene	270	U	270	430	560	ug/Kg
Total PAH	Total PAH	4370	U	4370	430	8960	ug/Kg
51-28-5	2,4-Dinitrophenol	800	U	800	890	1100	ug/Kg
100-02-7	4-Nitrophenol	380	U	380	890	1100	ug/Kg
132-64-9	Dibenzofuran	280	U	280	430	560	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	550	U	550	430	1120	ug/Kg
121-14-2	2,4-Dinitrotoluene	280	U	280	430	560	ug/Kg
84-66-2	Diethylphthalate	260	U	260	430	560	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	280	U	280	430	560	ug/Kg
86-73-7	Fluorene	280	U	280	430	560	ug/Kg
100-01-6	4-Nitroaniline	350	U	350	430	560	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	380	U	380	890	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	270	U	270	430	560	ug/Kg
103-33-3	Azobenzene	260	U	260	430	560	ug/Kg
101-55-3	4-Bromophenyl-phenylether	260	U	260	430	560	ug/Kg
118-74-1	Hexachlorobenzene	280	U	280	430	560	ug/Kg
1912-24-9	Atrazine	300	U	300	430	560	ug/Kg

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	SU-04-09242024	SDG No.:	BF092524
Lab Sample ID:	P4168-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.7
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139539.D	5	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	250	U	250	890	1100	ug/Kg
85-01-8	Phenanthrene	280	U	280	430	560	ug/Kg
120-12-7	Anthracene	280	U	280	430	560	ug/Kg
86-74-8	Carbazole	260	U	260	430	560	ug/Kg
84-74-2	Di-n-butylphthalate	280	U	280	430	560	ug/Kg
206-44-0	Fluoranthene	270	U	270	430	560	ug/Kg
92-87-5	Benzidine	540	U	540	890	1100	ug/Kg
129-00-0	Pyrene	270	U	270	430	560	ug/Kg
85-68-7	Butylbenzylphthalate	320	U	320	430	560	ug/Kg
91-94-1	3,3-Dichlorobenzidine	320	U	320	890	1100	ug/Kg
56-55-3	Benzo(a)anthracene	270	U	270	430	560	ug/Kg
218-01-9	Chrysene	260	U	260	430	560	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	300	U	300	430	560	ug/Kg
117-84-0	Di-n-octyl phthalate	360	U	360	890	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	270	U	270	430	560	ug/Kg
207-08-9	Benzo(k)fluoranthene	270	U	270	430	560	ug/Kg
50-32-8	Benzo(a)pyrene	310	U	310	430	560	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	260	U	260	430	560	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	270	U	270	430	560	ug/Kg
191-24-2	Benzo(g,h,i)perylene	260	U	260	430	560	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	290	U	290	430	560	ug/Kg
123-91-1	1,4-Dioxane	360	U	360	430	560	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	250	430	560	ug/Kg
90-12-0	1-Methylnaphthalene	270	U	270	560	560	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	105.065		18-112		70	SPK: -150
13127-88-3	Phenol-d6	103.34		15-107		69	SPK: -150
4165-60-0	Nitrobenzene-d5	67.365		18-107		67	SPK: -100
321-60-8	2-Fluorobiphenyl	69.5		20-109		69	SPK: -100

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	SU-04-09242024	SDG No.:	BF092524
Lab Sample ID:	P4168-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.7
Sample Wt/Vol:	50.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139539.D	5	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	70.97		10-116		47	SPK: -150
1718-51-0	Terphenyl-d14	66.485		10-105		66	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	75104	6.875				
1146-65-2	Naphthalene-d8	275678	8.157				
15067-26-2	Acenaphthene-d10	141735	9.91				
1517-22-2	Phenanthrene-d10	223232	11.398				
1719-03-5	Chrysene-d12	148865	14.033				
1520-96-3	Perylene-d12	111318	15.51				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2000	J			2.134	

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	SU-03-09242024	SDG No.:	BF092524
Lab Sample ID:	P4168-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139540.D	5	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	290	U	290	920	1100	ug/Kg
110-86-1	Pyridine	270	U	270	440	580	ug/Kg
100-52-7	Benzaldehyde	620	U	620	920	1100	ug/Kg
62-53-3	Aniline	330	U	330	440	580	ug/Kg
108-95-2	Phenol	280	U	280	440	580	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	280	U	280	440	580	ug/Kg
95-57-8	2-Chlorophenol	280	U	280	440	580	ug/Kg
95-50-1	1,2-Dichlorobenzene	290	U	290	440	580	ug/Kg
541-73-1	1,3-Dichlorobenzene	290	U	290	440	580	ug/Kg
106-46-7	1,4-Dichlorobenzene	290	U	290	440	580	ug/Kg
100-51-6	Benzyl Alcohol	280	U	280	920	1100	ug/Kg
95-48-7	2-Methylphenol	270	U	270	440	580	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	310	U	310	440	580	ug/Kg
98-86-2	Acetophenone	290	U	290	440	580	ug/Kg
65794-96-9	3+4-Methylphenols	270	U	270	920	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	140	U	140	270	270	ug/Kg
67-72-1	Hexachloroethane	280	U	280	440	580	ug/Kg
98-95-3	Nitrobenzene	310	U	310	440	580	ug/Kg
78-59-1	Isophorone	290	U	290	440	580	ug/Kg
88-75-5	2-Nitrophenol	320	U	320	440	580	ug/Kg
105-67-9	2,4-Dimethylphenol	320	U	320	440	580	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	290	U	290	440	580	ug/Kg
120-83-2	2,4-Dichlorophenol	260	U	260	440	580	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	290	U	290	440	580	ug/Kg
65-85-0	Benzoic acid	800	U	800	920	1100	ug/Kg
91-20-3	Naphthalene	280	U	280	440	580	ug/Kg
106-47-8	4-Chloroaniline	280	U	280	440	580	ug/Kg
87-68-3	Hexachlorobutadiene	280	U	280	440	580	ug/Kg

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	SU-03-09242024	SDG No.:	BF092524
Lab Sample ID:	P4168-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139540.D	5	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	290	U	290	920	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	260	U	260	440	580	ug/Kg
91-57-6	2-Methylnaphthalene	280	U	280	440	580	ug/Kg
77-47-4	Hexachlorocyclopentadiene	530	U	530	920	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	240	U	240	440	580	ug/Kg
95-95-4	2,4,5-Trichlorophenol	250	U	250	440	580	ug/Kg
92-52-4	1,1-Biphenyl	300	U	300	440	580	ug/Kg
91-58-7	2-Chloronaphthalene	280	U	280	440	580	ug/Kg
88-74-4	2-Nitroaniline	320	U	320	440	580	ug/Kg
131-11-3	Dimethylphthalate	280	U	280	440	580	ug/Kg
208-96-8	Acenaphthylene	290	U	290	440	580	ug/Kg
606-20-2	2,6-Dinitrotoluene	280	U	280	440	580	ug/Kg
99-09-2	3-Nitroaniline	300	U	300	440	580	ug/Kg
83-32-9	Acenaphthene	280	U	280	440	580	ug/Kg
Total PAH	Total PAH	4500	U	4500	440	9280	ug/Kg
51-28-5	2,4-Dinitrophenol	820	U	820	920	1100	ug/Kg
100-02-7	4-Nitrophenol	390	U	390	920	1100	ug/Kg
132-64-9	Dibenzofuran	290	U	290	440	580	ug/Kg
121-14-2	2,4-Dinitrotoluene	290	U	290	440	580	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	570	U	570	440	1160	ug/Kg
84-66-2	Diethylphthalate	270	U	270	440	580	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	290	U	290	440	580	ug/Kg
86-73-7	Fluorene	290	U	290	440	580	ug/Kg
100-01-6	4-Nitroaniline	360	U	360	440	580	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	400	U	400	920	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	280	U	280	440	580	ug/Kg
103-33-3	Azobenzene	270	U	270	440	580	ug/Kg
101-55-3	4-Bromophenyl-phenylether	270	U	270	440	580	ug/Kg
118-74-1	Hexachlorobenzene	290	U	290	440	580	ug/Kg
1912-24-9	Atrazine	310	U	310	440	580	ug/Kg

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	SU-03-09242024	SDG No.:	BF092524
Lab Sample ID:	P4168-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139540.D	5	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	260	U	260	920	1100	ug/Kg
85-01-8	Phenanthrene	280	U	280	440	580	ug/Kg
120-12-7	Anthracene	290	U	290	440	580	ug/Kg
86-74-8	Carbazole	270	U	270	440	580	ug/Kg
84-74-2	Di-n-butylphthalate	290	U	290	440	580	ug/Kg
206-44-0	Fluoranthene	290	J	280	440	580	ug/Kg
92-87-5	Benzidine	550	U	550	920	1100	ug/Kg
129-00-0	Pyrene	280	J	280	440	580	ug/Kg
85-68-7	Butylbenzylphthalate	330	U	330	440	580	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	330	920	1100	ug/Kg
56-55-3	Benzo(a)anthracene	270	U	270	440	580	ug/Kg
218-01-9	Chrysene	270	U	270	440	580	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	310	U	310	440	580	ug/Kg
117-84-0	Di-n-octyl phthalate	370	U	370	920	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	280	U	280	440	580	ug/Kg
207-08-9	Benzo(k)fluoranthene	280	U	280	440	580	ug/Kg
50-32-8	Benzo(a)pyrene	320	U	320	440	580	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	260	U	260	440	580	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	280	U	280	440	580	ug/Kg
191-24-2	Benzo(g,h,i)perylene	270	U	270	440	580	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	290	U	290	440	580	ug/Kg
123-91-1	1,4-Dioxane	370	U	370	440	580	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	250	440	580	ug/Kg
90-12-0	1-Methylnaphthalene	280	U	280	580	580	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	79.555		18-112		53	SPK: -150
13127-88-3	Phenol-d6	79.835		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	52.035		18-107		52	SPK: -100
321-60-8	2-Fluorobiphenyl	59.615		20-109		60	SPK: -100

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	SU-03-09242024	SDG No.:	BF092524
Lab Sample ID:	P4168-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
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
BF139540.D	5	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	57.785		10-116		39	SPK: -150
1718-51-0	Terphenyl-d14	54.425		10-105		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	84092	6.875				
1146-65-2	Naphthalene-d8	306632	8.157				
15067-26-2	Acenaphthene-d10	149508	9.91				
1517-22-2	Phenanthrene-d10	237425	11.398				
1719-03-5	Chrysene-d12	154518	14.033				
1520-96-3	Perylene-d12	111479	15.504				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1400	J			2.134	

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	PL-03-09242024	SDG No.:	BF092524
Lab Sample ID:	P4167-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.9
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139541.D	10	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

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

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	PL-03-09242024	SDG No.:	BF092524
Lab Sample ID:	P4167-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.9
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139541.D	10	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	550	U	550	1700	2100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	490	U	490	820	1100	ug/Kg
91-57-6	2-Methylnaphthalene	520	U	520	820	1100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	980	U	980	1700	2100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	450	U	450	820	1100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	470	U	470	820	1100	ug/Kg
92-52-4	1,1-Biphenyl	550	U	550	820	1100	ug/Kg
91-58-7	2-Chloronaphthalene	520	U	520	820	1100	ug/Kg
88-74-4	2-Nitroaniline	600	U	600	820	1100	ug/Kg
131-11-3	Dimethylphthalate	510	U	510	820	1100	ug/Kg
208-96-8	Acenaphthylene	550	U	550	820	1100	ug/Kg
606-20-2	2,6-Dinitrotoluene	520	U	520	820	1100	ug/Kg
99-09-2	3-Nitroaniline	560	U	560	820	1100	ug/Kg
83-32-9	Acenaphthene	510	U	510	820	1100	ug/Kg
Total PAH	Total PAH	8340	U	8340	820	17600	ug/Kg
51-28-5	2,4-Dinitrophenol	1500	U	1500	1700	2100	ug/Kg
100-02-7	4-Nitrophenol	730	U	730	1700	2100	ug/Kg
132-64-9	Dibenzofuran	530	U	530	820	1100	ug/Kg
121-14-2	2,4-Dinitrotoluene	540	U	540	820	1100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1060	U	1060	820	2200	ug/Kg
84-66-2	Diethylphthalate	500	U	500	820	1100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	540	U	540	820	1100	ug/Kg
86-73-7	Fluorene	540	U	540	820	1100	ug/Kg
100-01-6	4-Nitroaniline	670	U	670	820	1100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	740	U	740	1700	2100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	510	U	510	820	1100	ug/Kg
103-33-3	Azobenzene	500	U	500	820	1100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	500	U	500	820	1100	ug/Kg
118-74-1	Hexachlorobenzene	540	U	540	820	1100	ug/Kg
1912-24-9	Atrazine	580	U	580	820	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	PL-03-09242024	SDG No.:	BF092524
Lab Sample ID:	P4167-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.9
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139541.D	10	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	490	U	490	1700	2100	ug/Kg
85-01-8	Phenanthrene	530	U	530	820	1100	ug/Kg
120-12-7	Anthracene	530	U	530	820	1100	ug/Kg
86-74-8	Carbazole	510	U	510	820	1100	ug/Kg
84-74-2	Di-n-butylphthalate	530	U	530	820	1100	ug/Kg
206-44-0	Fluoranthene	510	U	510	820	1100	ug/Kg
92-87-5	Benzidine	1000	U	1000	1700	2100	ug/Kg
129-00-0	Pyrene	520	U	520	820	1100	ug/Kg
85-68-7	Butylbenzylphthalate	610	U	610	820	1100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	620	U	620	1700	2100	ug/Kg
56-55-3	Benzo(a)anthracene	510	U	510	820	1100	ug/Kg
218-01-9	Chrysene	500	U	500	820	1100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	570	U	570	820	1100	ug/Kg
117-84-0	Di-n-octyl phthalate	690	U	690	1700	2100	ug/Kg
205-99-2	Benzo(b)fluoranthene	510	U	510	820	1100	ug/Kg
207-08-9	Benzo(k)fluoranthene	520	U	520	820	1100	ug/Kg
50-32-8	Benzo(a)pyrene	590	U	590	820	1100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	490	U	490	820	1100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	510	U	510	820	1100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	500	U	500	820	1100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	550	U	550	820	1100	ug/Kg
123-91-1	1,4-Dioxane	690	U	690	820	1100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	470	U	470	820	1100	ug/Kg
90-12-0	1-Methylnaphthalene	520	U	520	1100	1100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	97.59		18-112		65	SPK: -150
13127-88-3	Phenol-d6	95.8		15-107		64	SPK: -150
4165-60-0	Nitrobenzene-d5	64.11		18-107		64	SPK: -100
321-60-8	2-Fluorobiphenyl	73.72		20-109		74	SPK: -100

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	PL-03-09242024	SDG No.:	BF092524
Lab Sample ID:	P4167-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.9
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
BF139541.D	10	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	67.48		10-116		45	SPK: -150
1718-51-0	Terphenyl-d14	71.36		10-105		71	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	77103	6.875				
1146-65-2	Naphthalene-d8	280900	8.157				
15067-26-2	Acenaphthene-d10	135750	9.91				
1517-22-2	Phenanthrene-d10	228752	11.398				
1719-03-5	Chrysene-d12	145730	14.033				
1520-96-3	Perylene-d12	106819	15.509				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1500	J			2.128	
000112-62-9	9-Octadecenoic acid (Z)-, methyl e	430	J			12.492	
000629-92-5	Nonadecane	620	J			15.151	

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	CHRT-24336	SDG No.:	BF092524
Lab Sample ID:	P4172-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.7
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139542.D	10	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	580	U	580	1800	2200	ug/Kg
110-86-1	Pyridine	530	U	530	860	1100	ug/Kg
100-52-7	Benzaldehyde	1200	U	1200	1800	2200	ug/Kg
62-53-3	Aniline	640	U	640	860	1100	ug/Kg
108-95-2	Phenol	550	U	550	860	1100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	560	U	560	860	1100	ug/Kg
95-57-8	2-Chlorophenol	550	U	550	860	1100	ug/Kg
95-50-1	1,2-Dichlorobenzene	560	U	560	860	1100	ug/Kg
541-73-1	1,3-Dichlorobenzene	570	U	570	860	1100	ug/Kg
106-46-7	1,4-Dichlorobenzene	570	U	570	860	1100	ug/Kg
100-51-6	Benzyl Alcohol	550	U	550	1800	2200	ug/Kg
95-48-7	2-Methylphenol	540	U	540	860	1100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	600	U	600	860	1100	ug/Kg
98-86-2	Acetophenone	580	U	580	860	1100	ug/Kg
65794-96-9	3+4-Methylphenols	530	U	530	1800	2200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	270	U	270	530	530	ug/Kg
67-72-1	Hexachloroethane	550	U	550	860	1100	ug/Kg
98-95-3	Nitrobenzene	600	U	600	860	1100	ug/Kg
78-59-1	Isophorone	560	U	560	860	1100	ug/Kg
88-75-5	2-Nitrophenol	630	U	630	860	1100	ug/Kg
105-67-9	2,4-Dimethylphenol	620	U	620	860	1100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	570	U	570	860	1100	ug/Kg
120-83-2	2,4-Dichlorophenol	500	U	500	860	1100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	570	U	570	860	1100	ug/Kg
65-85-0	Benzoic acid	1600	U	1600	1800	2200	ug/Kg
91-20-3	Naphthalene	550	U	550	860	1100	ug/Kg
106-47-8	4-Chloroaniline	550	U	550	860	1100	ug/Kg
87-68-3	Hexachlorobutadiene	550	U	550	860	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	CHRT-24336	SDG No.:	BF092524
Lab Sample ID:	P4172-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.7
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139542.D	10	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	580	U	580	1800	2200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	510	U	510	860	1100	ug/Kg
91-57-6	2-Methylnaphthalene	550	U	550	860	1100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1000	U	1000	1800	2200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	470	U	470	860	1100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	490	U	490	860	1100	ug/Kg
92-52-4	1,1-Biphenyl	580	U	580	860	1100	ug/Kg
91-58-7	2-Chloronaphthalene	550	U	550	860	1100	ug/Kg
88-74-4	2-Nitroaniline	630	U	630	860	1100	ug/Kg
131-11-3	Dimethylphthalate	540	U	540	860	1100	ug/Kg
208-96-8	Acenaphthylene	570	U	570	860	1100	ug/Kg
606-20-2	2,6-Dinitrotoluene	550	U	550	860	1100	ug/Kg
99-09-2	3-Nitroaniline	590	U	590	860	1100	ug/Kg
83-32-9	Acenaphthene	540	U	540	860	1100	ug/Kg
Total PAH	Total PAH	28400	U	8810	860	17600	ug/Kg
51-28-5	2,4-Dinitrophenol	1600	U	1600	1800	2200	ug/Kg
100-02-7	4-Nitrophenol	770	U	770	1800	2200	ug/Kg
132-64-9	Dibenzofuran	560	U	560	860	1100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	120	U	1120	860	2200	ug/Kg
121-14-2	2,4-Dinitrotoluene	570	U	570	860	1100	ug/Kg
84-66-2	Diethylphthalate	530	U	530	860	1100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	570	U	570	860	1100	ug/Kg
86-73-7	Fluorene	570	U	570	860	1100	ug/Kg
100-01-6	4-Nitroaniline	710	U	710	860	1100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	780	U	780	1800	2200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	540	U	540	860	1100	ug/Kg
103-33-3	Azobenzene	530	U	530	860	1100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	520	U	520	860	1100	ug/Kg
118-74-1	Hexachlorobenzene	560	U	560	860	1100	ug/Kg
1912-24-9	Atrazine	610	U	610	860	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	CHRT-24336	SDG No.:	BF092524
Lab Sample ID:	P4172-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.7
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139542.D	10	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	510	U	510	1800	2200	ug/Kg
85-01-8	Phenanthrene	2700		560	860	1100	ug/Kg
120-12-7	Anthracene	560	U	560	860	1100	ug/Kg
86-74-8	Carbazole	530	U	530	860	1100	ug/Kg
84-74-2	Di-n-butylphthalate	560	U	560	860	1100	ug/Kg
206-44-0	Fluoranthene	6000		540	860	1100	ug/Kg
92-87-5	Benzidine	1100	U	1100	1800	2200	ug/Kg
129-00-0	Pyrene	3900		550	860	1100	ug/Kg
85-68-7	Butylbenzylphthalate	640	U	640	860	1100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	650	U	650	1800	2200	ug/Kg
56-55-3	Benzo(a)anthracene	2400		540	860	1100	ug/Kg
218-01-9	Chrysene	2600		530	860	1100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	4600		600	860	1100	ug/Kg
117-84-0	Di-n-octyl phthalate	730	U	730	1800	2200	ug/Kg
205-99-2	Benzo(b)fluoranthene	3900		540	860	1100	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		550	860	1100	ug/Kg
50-32-8	Benzo(a)pyrene	2600		620	860	1100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		520	860	1100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	540	U	540	860	1100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		530	860	1100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	580	U	580	860	1100	ug/Kg
123-91-1	1,4-Dioxane	730	U	730	860	1100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	500	U	500	860	1100	ug/Kg
90-12-0	1-Methylnaphthalene	550	U	550	1100	1100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	95.79		18-112		64	SPK: -150
13127-88-3	Phenol-d6	91.44		15-107		61	SPK: -150
4165-60-0	Nitrobenzene-d5	62.04		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	74.25		20-109		74	SPK: -100

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	CHRT-24336	SDG No.:	BF092524
Lab Sample ID:	P4172-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.7
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139542.D	10	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	73.79		10-116		49	SPK: -150
1718-51-0	Terphenyl-d14	66.65		10-105		67	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	71225	6.875				
1146-65-2	Naphthalene-d8	249100	8.157				
15067-26-2	Acenaphthene-d10	114093	9.91				
1517-22-2	Phenanthrene-d10	179368	11.404				
1719-03-5	Chrysene-d12	133904	14.039				
1520-96-3	Perylene-d12	101369	15.51				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1700	J			2.122	
	unknown9.775	630	J			9.775	
	unknown9.822	740	J			9.822	
1000100-23-6	Decahydro-8a-ethyl-1,1,4a,6-tetram	940	J			10.316	

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	VNJ231	SDG No.:	BF092524
Lab Sample ID:	P4178-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
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
BF139543.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	55.4	U	55.4	170	210	ug/Kg
110-86-1	Pyridine	51	U	51	83	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	170	210	ug/Kg
62-53-3	Aniline	61.8	U	61.8	83	110	ug/Kg
108-95-2	Phenol	52.9	U	52.9	83	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.4	U	53.4	83	110	ug/Kg
95-57-8	2-Chlorophenol	53.3	U	53.3	83	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54	U	54	83	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	54.9	U	54.9	83	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	55.2	U	55.2	83	110	ug/Kg
100-51-6	Benzyl Alcohol	53	U	53	170	210	ug/Kg
95-48-7	2-Methylphenol	51.4	U	51.4	83	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	58	U	58	83	110	ug/Kg
98-86-2	Acetophenone	55.5	U	55.5	83	110	ug/Kg
65794-96-9	3+4-Methylphenols	50.9	U	50.9	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	25.7	U	25.7	51.1	51.1	ug/Kg
67-72-1	Hexachloroethane	53	U	53	83	110	ug/Kg
98-95-3	Nitrobenzene	57.9	U	57.9	83	110	ug/Kg
78-59-1	Isophorone	54	U	54	83	110	ug/Kg
88-75-5	2-Nitrophenol	60.3	U	60.3	83	110	ug/Kg
105-67-9	2,4-Dimethylphenol	59.5	U	59.5	83	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	54.8	U	54.8	83	110	ug/Kg
120-83-2	2,4-Dichlorophenol	48.2	U	48.2	83	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	54.5	U	54.5	83	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	52.7	U	52.7	83	110	ug/Kg
106-47-8	4-Chloroaniline	52.7	U	52.7	83	110	ug/Kg
87-68-3	Hexachlorobutadiene	53.2	U	53.2	83	110	ug/Kg

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	VNJ231	SDG No.:	BF092524
Lab Sample ID:	P4178-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
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
BF139543.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	55.4	U	55.4	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.5	U	49.5	83	110	ug/Kg
91-57-6	2-Methylnaphthalene	52.7	U	52.7	83	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	99.6	U	99.6	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	45.6	U	45.6	83	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	47.2	U	47.2	83	110	ug/Kg
92-52-4	1,1-Biphenyl	55.8	U	55.8	83	110	ug/Kg
91-58-7	2-Chloronaphthalene	53.2	U	53.2	83	110	ug/Kg
88-74-4	2-Nitroaniline	60.6	U	60.6	83	110	ug/Kg
131-11-3	Dimethylphthalate	52.1	U	52.1	83	110	ug/Kg
208-96-8	Acenaphthylene	92	J	55.2	83	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.1	U	53.1	83	110	ug/Kg
99-09-2	3-Nitroaniline	56.9	U	56.9	83	110	ug/Kg
83-32-9	Acenaphthene	51.8	U	51.8	83	110	ug/Kg
Total PAH	Total PAH	5382.2	U	845.7	83	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	170	210	ug/Kg
100-02-7	4-Nitrophenol	74	U	74	170	210	ug/Kg
132-64-9	Dibenzofuran	53.9	U	53.9	83	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	108.1	U	108.1	83	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	55	U	55	83	110	ug/Kg
84-66-2	Diethylphthalate	51.1	U	51.1	83	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.6	U	54.6	83	110	ug/Kg
86-73-7	Fluorene	54.6	U	54.6	83	110	ug/Kg
100-01-6	4-Nitroaniline	68.3	U	68.3	83	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	74.7	U	74.7	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	52.1	U	52.1	83	110	ug/Kg
103-33-3	Azobenzene	50.8	U	50.8	83	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	50.4	U	50.4	83	110	ug/Kg
118-74-1	Hexachlorobenzene	54.2	U	54.2	83	110	ug/Kg
1912-24-9	Atrazine	58.3	U	58.3	83	110	ug/Kg

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	VNJ231	SDG No.:	BF092524
Lab Sample ID:	P4178-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
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
BF139543.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	49.3	U	49.3	170	210	ug/Kg
85-01-8	Phenanthrene	360		53.6	83	110	ug/Kg
120-12-7	Anthracene	130		53.9	83	110	ug/Kg
86-74-8	Carbazole	51.2	U	51.2	83	110	ug/Kg
84-74-2	Di-n-butylphthalate	53.8	U	53.8	83	110	ug/Kg
206-44-0	Fluoranthene	980		52.1	83	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	910		53	83	110	ug/Kg
85-68-7	Butylbenzylphthalate	61.8	U	61.8	83	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	62.9	U	62.9	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	560		51.5	83	110	ug/Kg
218-01-9	Chrysene	570		50.7	83	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	58.1	U	58.1	83	110	ug/Kg
117-84-0	Di-n-octyl phthalate	70.2	U	70.2	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	570		51.8	83	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	210		52.7	83	110	ug/Kg
50-32-8	Benzo(a)pyrene	490		59.4	83	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	200		49.8	83	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	60.2	J	51.8	83	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	250		51.1	83	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	55.4	U	55.4	83	110	ug/Kg
123-91-1	1,4-Dioxane	70.2	U	70.2	83	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.7	U	47.7	83	110	ug/Kg
90-12-0	1-Methylnaphthalene	53.1	U	53.1	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	92.587		18-112		62	SPK: -150
13127-88-3	Phenol-d6	89.6		15-107		60	SPK: -150
4165-60-0	Nitrobenzene-d5	64.068		18-107		64	SPK: -100
321-60-8	2-Fluorobiphenyl	69.829		20-109		70	SPK: -100

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	VNJ231	SDG No.:	BF092524
Lab Sample ID:	P4178-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
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
BF139543.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	78.117		10-116		52	SPK: -150
1718-51-0	Terphenyl-d14	64.963		10-105		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	68999	6.875				
1146-65-2	Naphthalene-d8	237039	8.157				
15067-26-2	Acenaphthene-d10	109541	9.91				
1517-22-2	Phenanthrene-d10	187492	11.398				
1719-03-5	Chrysene-d12	131638	14.039				
1520-96-3	Perylene-d12	97474	15.51				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1200	J			2.152	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	120	A			5.093	
000119-61-9	Benzophenone	270	J			10.622	
002531-84-2	Phenanthrene, 2-methyl-	100	J			11.898	
000057-10-3	n-Hexadecanoic acid	320	J			11.922	
000610-48-0	Anthracene, 1-methyl-	77.4	J			11.975	
000203-64-5	4H-Cyclopenta[def]phenanthrene	350	J			12.01	
000612-94-2	Naphthalene, 2-phenyl-	99.8	J			12.192	
000084-65-1	9,10-Anthracenedione	83.8	J			12.222	
003674-66-6	Phenanthrene, 2,5-dimethyl-	240	J			12.451	
001576-67-6	Phenanthrene, 3,6-dimethyl-	190	J			12.48	
005737-13-3	Cyclopenta(def)phenanthrenone	170	J			12.539	
002381-21-7	Pyrene, 1-methyl-	120	J			13.057	
000243-17-4	11H-Benzo[b]fluorene	150	J			13.169	
033543-31-6	Fluoranthene, 2-methyl-	85.5	J			13.233	
003353-12-6	Pyrene, 4-methyl-	93	J			13.275	
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	93.2	J			13.786	
000479-79-8	11H-Benzo[a]fluoren-11-one	86.4	J			13.88	
000192-97-2	Benzo[e]pyrene	240	J			15.386	

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	VNJ231	SDG No.:	BF092524
Lab Sample ID:	P4178-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
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
BF139543.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000630-04-6	Hentriacontane	130	J			15.974	

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	VNJ231MS	SDG No.:	BF092524
Lab Sample ID:	P4178-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
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
BF139544.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	880		55.4	170	210	ug/Kg
110-86-1	Pyridine	1100		51	83	110	ug/Kg
100-52-7	Benzaldehyde	240		120	170	210	ug/Kg
62-53-3	Aniline	870		61.9	83	110	ug/Kg
108-95-2	Phenol	990		52.9	83	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		53.5	83	110	ug/Kg
95-57-8	2-Chlorophenol	1000		53.3	83	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	930		54	83	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	930		54.9	83	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	930		55.2	83	110	ug/Kg
100-51-6	Benzyl Alcohol	910		53	170	210	ug/Kg
95-48-7	2-Methylphenol	990		51.5	83	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1200		58	83	110	ug/Kg
98-86-2	Acetophenone	940		55.5	83	110	ug/Kg
65794-96-9	3+4-Methylphenols	920		51	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	980		25.7	51.1	51.1	ug/Kg
67-72-1	Hexachloroethane	840		53	83	110	ug/Kg
98-95-3	Nitrobenzene	900		58	83	110	ug/Kg
78-59-1	Isophorone	1000		54	83	110	ug/Kg
88-75-5	2-Nitrophenol	1000		60.3	83	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		59.5	83	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		54.8	83	110	ug/Kg
120-83-2	2,4-Dichlorophenol	960		48.2	83	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	890		54.5	83	110	ug/Kg
65-85-0	Benzoic acid	740		150	170	210	ug/Kg
91-20-3	Naphthalene	950		52.7	83	110	ug/Kg
106-47-8	4-Chloroaniline	260		52.7	83	110	ug/Kg
87-68-3	Hexachlorobutadiene	870		53.2	83	110	ug/Kg

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	VNJ231MS	SDG No.:	BF092524
Lab Sample ID:	P4178-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
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
BF139544.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	950		55.4	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	860		49.5	83	110	ug/Kg
91-57-6	2-Methylnaphthalene	950		52.7	83	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1200		99.6	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		45.6	83	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	970		47.3	83	110	ug/Kg
92-52-4	1,1-Biphenyl	1000		55.8	83	110	ug/Kg
91-58-7	2-Chloronaphthalene	990		53.2	83	110	ug/Kg
88-74-4	2-Nitroaniline	1000		60.7	83	110	ug/Kg
131-11-3	Dimethylphthalate	1000		52.2	83	110	ug/Kg
208-96-8	Acenaphthylene	1100		55.2	83	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	950		53.1	83	110	ug/Kg
99-09-2	3-Nitroaniline	730		57	83	110	ug/Kg
83-32-9	Acenaphthene	960		51.8	83	110	ug/Kg
Total PAH	Total PAH	21090		846.2	83	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	410		160	170	210	ug/Kg
100-02-7	4-Nitrophenol	1600		74.1	170	210	ug/Kg
132-64-9	Dibenzofuran	970		53.9	83	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	840		108.1	83	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	890		55	83	110	ug/Kg
84-66-2	Diethylphthalate	970		51.2	83	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	900		54.7	83	110	ug/Kg
86-73-7	Fluorene	930		54.6	83	110	ug/Kg
100-01-6	4-Nitroaniline	770		68.3	83	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	310		74.7	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		52.1	83	110	ug/Kg
103-33-3	Azobenzene	1100		50.8	83	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		50.4	83	110	ug/Kg
118-74-1	Hexachlorobenzene	950		54.3	83	110	ug/Kg
1912-24-9	Atrazine	1400		58.4	83	110	ug/Kg

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	VNJ231MS	SDG No.:	BF092524
Lab Sample ID:	P4178-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
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
BF139544.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1700	E	49.4	170	210	ug/Kg
85-01-8	Phenanthrene	1300		53.6	83	110	ug/Kg
120-12-7	Anthracene	1200		53.9	83	110	ug/Kg
86-74-8	Carbazole	1000		51.3	83	110	ug/Kg
84-74-2	Di-n-butylphthalate	1100		53.8	83	110	ug/Kg
206-44-0	Fluoranthene	1900	E	52.2	83	110	ug/Kg
92-87-5	Benzidine	1100		100	170	210	ug/Kg
129-00-0	Pyrene	2000	E	53	83	110	ug/Kg
85-68-7	Butylbenzylphthalate	1200		61.8	83	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	870		63	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	1700		51.5	83	110	ug/Kg
218-01-9	Chrysene	1600		50.8	83	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		58.1	83	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		70.2	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		51.8	83	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		52.7	83	110	ug/Kg
50-32-8	Benzo(a)pyrene	1500		59.4	83	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		49.9	83	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	950		51.9	83	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		51.2	83	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		55.4	83	110	ug/Kg
123-91-1	1,4-Dioxane	930		70.2	83	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	900		47.7	83	110	ug/Kg
90-12-0	1-Methylnaphthalene	860		53.1	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	90.994		18-112		61	SPK: -150
13127-88-3	Phenol-d6	90.034		15-107		60	SPK: -150
4165-60-0	Nitrobenzene-d5	62.44		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	66.775		20-109		67	SPK: -100

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	VNJ231MS	SDG No.:	BF092524
Lab Sample ID:	P4178-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
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
BF139544.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	75.965		10-116		51	SPK: -150
1718-51-0	Terphenyl-d14	67.272		10-105		67	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	72390	6.881				
1146-65-2	Naphthalene-d8	259290	8.163				
15067-26-2	Acenaphthene-d10	123749	9.916				
1517-22-2	Phenanthrene-d10	204540	11.398				
1719-03-5	Chrysene-d12	122880	14.045				
1520-96-3	Perylene-d12	98310	15.515				

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	VNJ231MSD	SDG No.:	BF092524
Lab Sample ID:	P4178-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139545.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	970		55.5	170	210	ug/Kg
110-86-1	Pyridine	1200		51	83.1	110	ug/Kg
100-52-7	Benzaldehyde	270		120	170	210	ug/Kg
62-53-3	Aniline	920		61.9	83.1	110	ug/Kg
108-95-2	Phenol	1100		53	83.1	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		53.5	83.1	110	ug/Kg
95-57-8	2-Chlorophenol	1100		53.3	83.1	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		54	83.1	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		54.9	83.1	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		55.3	83.1	110	ug/Kg
100-51-6	Benzyl Alcohol	1000		53	170	210	ug/Kg
95-48-7	2-Methylphenol	1100		51.5	83.1	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		58.1	83.1	110	ug/Kg
98-86-2	Acetophenone	1000		55.5	83.1	110	ug/Kg
65794-96-9	3+4-Methylphenols	980		51	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		25.7	51.1	51.1	ug/Kg
67-72-1	Hexachloroethane	900		53	83.1	110	ug/Kg
98-95-3	Nitrobenzene	980		58	83.1	110	ug/Kg
78-59-1	Isophorone	1100		54	83.1	110	ug/Kg
88-75-5	2-Nitrophenol	1100		60.4	83.1	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		59.5	83.1	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		54.8	83.1	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		48.2	83.1	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	970		54.6	83.1	110	ug/Kg
65-85-0	Benzoic acid	820		150	170	210	ug/Kg
91-20-3	Naphthalene	1000		52.8	83.1	110	ug/Kg
106-47-8	4-Chloroaniline	290		52.8	83.1	110	ug/Kg
87-68-3	Hexachlorobutadiene	960		53.2	83.1	110	ug/Kg

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	VNJ231MSD	SDG No.:	BF092524
Lab Sample ID:	P4178-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139545.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1100		55.5	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	950		49.5	83.1	110	ug/Kg
91-57-6	2-Methylnaphthalene	1000		52.7	83.1	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1200		99.7	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		45.6	83.1	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		47.3	83.1	110	ug/Kg
92-52-4	1,1-Biphenyl	1100		55.8	83.1	110	ug/Kg
91-58-7	2-Chloronaphthalene	1100		53.2	83.1	110	ug/Kg
88-74-4	2-Nitroaniline	1100		60.7	83.1	110	ug/Kg
131-11-3	Dimethylphthalate	1100		52.2	83.1	110	ug/Kg
208-96-8	Acenaphthylene	1200		55.3	83.1	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		53.2	83.1	110	ug/Kg
99-09-2	3-Nitroaniline	820		57	83.1	110	ug/Kg
83-32-9	Acenaphthene	1000		51.8	83.1	110	ug/Kg
Total PAH	Total PAH	23000		846.7	83.1	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	480		160	170	210	ug/Kg
100-02-7	4-Nitrophenol	1800	E	74.1	170	210	ug/Kg
132-64-9	Dibenzofuran	1000		53.9	83.1	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	990		108.3	83.1	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	990		55.1	83.1	110	ug/Kg
84-66-2	Diethylphthalate	1000		51.2	83.1	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	980		54.7	83.1	110	ug/Kg
86-73-7	Fluorene	1000		54.6	83.1	110	ug/Kg
100-01-6	4-Nitroaniline	870		68.4	83.1	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	340		74.7	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		52.1	83.1	110	ug/Kg
103-33-3	Azobenzene	1200		50.9	83.1	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		50.4	83.1	110	ug/Kg
118-74-1	Hexachlorobenzene	1000		54.3	83.1	110	ug/Kg
1912-24-9	Atrazine	1500		58.4	83.1	110	ug/Kg

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	VNJ231MSD	SDG No.:	BF092524
Lab Sample ID:	P4178-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139545.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1900	E	49.4	170	210	ug/Kg
85-01-8	Phenanthrene	1400		53.7	83.1	110	ug/Kg
120-12-7	Anthracene	1300		53.9	83.1	110	ug/Kg
86-74-8	Carbazole	1100		51.3	83.1	110	ug/Kg
84-74-2	Di-n-butylphthalate	1200		53.9	83.1	110	ug/Kg
206-44-0	Fluoranthene	2100	E	52.2	83.1	110	ug/Kg
92-87-5	Benzidine	1400		100	170	210	ug/Kg
129-00-0	Pyrene	2300	E	53	83.1	110	ug/Kg
85-68-7	Butylbenzylphthalate	1400		61.8	83.1	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	990		63	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	1800	E	51.6	83.1	110	ug/Kg
218-01-9	Chrysene	1800	E	50.8	83.1	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400		58.1	83.1	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		70.3	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800	E	51.8	83.1	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		52.8	83.1	110	ug/Kg
50-32-8	Benzo(a)pyrene	1700		59.4	83.1	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1200		49.9	83.1	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000		51.9	83.1	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		51.2	83.1	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		55.5	83.1	110	ug/Kg
123-91-1	1,4-Dioxane	1000		70.3	83.1	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	960		47.7	83.1	110	ug/Kg
90-12-0	1-Methylnaphthalene	950		53.2	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	98.818		18-112		66	SPK: -150
13127-88-3	Phenol-d6	96.353		15-107		64	SPK: -150
4165-60-0	Nitrobenzene-d5	67.752		18-107		68	SPK: -100
321-60-8	2-Fluorobiphenyl	71.735		20-109		72	SPK: -100

Report of Analysis

Client:		Date Collected:	9/24/2024 12:00:00 AM
Project:		Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	VNJ231MSD	SDG No.:	BF092524
Lab Sample ID:	P4178-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
Sample Wt/Vol:	50.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139545.D	1	9/25/2024 12:00:00 AM	9/25/2024 12:00:00 AM	PB163661

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	83.283		10-116		56	SPK: -150
1718-51-0	Terphenyl-d14	75.05		10-105		75	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	68396	6.881				
1146-65-2	Naphthalene-d8	244093	8.163				
15067-26-2	Acenaphthene-d10	117757	9.916				
1517-22-2	Phenanthrene-d10	202183	11.404				
1719-03-5	Chrysene-d12	120225	14.045				
1520-96-3	Perylene-d12	95144	15.515				

Hit Summary Sheet SW-846

SDG No.: BF092524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PL-03-09242024								
P4167-01	PL-03-09242024	Solid	9-Octadecenoic acid (Z)-, methyl	*	430.000	J		
P4167-01	PL-03-09242024	Solid	Butane, 2-methoxy-2-methyl-	*	1,500.000	J		
P4167-01	PL-03-09242024	Solid	Nonadecane	*	620.000	J		
Total Tics :					2,550.00			
Total Concentration:					2,550.00			
Client ID : SU-03-09242024								
P4168-01	SU-03-09242024	Solid	Butane, 2-methoxy-2-methyl-	*	1,400.000	J		
Total Tics :					1,400.00			
P4168-01	SU-03-09242024	Solid	Fluoranthene		290.000	J	280	580 ug/Kg
P4168-01	SU-03-09242024	Solid	Pyrene		280.000	J	280	580 ug/Kg
Total Svoc :					570.00			
Total Concentration:					1,970.00			
Client ID : SU-04-09242024								
P4168-03	SU-04-09242024	Solid	Butane, 2-methoxy-2-methyl-	*	2,000.000	J		
Total Tics :					2,000.00			
Total Concentration:					2,000.00			
Client ID : CHRT-20425								
P4172-04	CHRT-20425	Solid	10-Methylbenzo[b]naphtho[2,1-d]	*	650.000	J		
P4172-04	CHRT-20425	Solid	1H-Benz[f]indene, 2-phenyl-	*	1,800.000	J		
P4172-04	CHRT-20425	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	740.000	A		
P4172-04	CHRT-20425	Solid	3,9-Dimethylbenz[a]anthracene	*	990.000	J		
P4172-04	CHRT-20425	Solid	4,12-Dimethylbenz[a]anthracene	*	1,100.000	J		
P4172-04	CHRT-20425	Solid	5,12-Dimethylbenz[a]anthracene	*	970.000	J		
P4172-04	CHRT-20425	Solid	7-Methylbenzo[pqr]tetraphene	*	640.000	J		
P4172-04	CHRT-20425	Solid	Benz(a)anthracene, 4,7-dimethyl-	*	450.000	J		
P4172-04	CHRT-20425	Solid	Benzaldehyde, 3,5-dichloro-2-hyd	*	680.000	J		
P4172-04	CHRT-20425	Solid	Benzo[e]pyrene	*	1,200.000	J		
P4172-04	CHRT-20425	Solid	Benzophenone	*	450.000	J		
P4172-04	CHRT-20425	Solid	Butane, 2-methoxy-2-methyl-	*	7,900.000	J		
P4172-04	CHRT-20425	Solid	Chrysene, 1-methyl-	*	410.000	J		
P4172-04	CHRT-20425	Solid	Dibenzo[c,h][2,6]naphthyridine	*	460.000	J		
P4172-04	CHRT-20425	Solid	Dodecane	*	450.000	J		
P4172-04	CHRT-20425	Solid	Hexadecane, 2,6,10,14-tetramethy	*	400.000	J		
P4172-04	CHRT-20425	Solid	n-Hexadecanoic acid	*	1,500.000	J		
P4172-04	CHRT-20425	Solid	Perylene, 3-methyl-	*	500.000	J		
P4172-04	CHRT-20425	Solid	Pyrene, 1,3-dimethyl-	*	930.000	J		

Hit Summary Sheet SW-846

SDG No.: BF092524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4172-04	CHRT-20425	Solid	trans-5-Methyl-6-phenyl-5,6-dihy, *	460.000	J			
Total Tics :				22,680.00				
P4172-04	CHRT-20425	Solid	Benzo(a)anthracene	2,000.000		330	700	ug/Kg
P4172-04	CHRT-20425	Solid	Benzo(a)pyrene	2,200.000		380	700	ug/Kg
P4172-04	CHRT-20425	Solid	Benzo(b)fluoranthene	2,600.000		330	700	ug/Kg
P4172-04	CHRT-20425	Solid	Benzo(g,h,i)perylene	1,000.000		330	700	ug/Kg
P4172-04	CHRT-20425	Solid	Benzo(k)fluoranthene	810.000		340	700	ug/Kg
P4172-04	CHRT-20425	Solid	Chrysene	2,800.000		330	700	ug/Kg
P4172-04	CHRT-20425	Solid	Fluoranthene	2,900.000		340	700	ug/Kg
P4172-04	CHRT-20425	Solid	Indeno(1,2,3-cd)pyrene	670.000	J	320	700	ug/Kg
P4172-04	CHRT-20425	Solid	Phenanthrene	1,800.000		340	700	ug/Kg
P4172-04	CHRT-20425	Solid	Pyrene	2,700.000		340	700	ug/Kg
Total Svoc :				19,480.00				
Total Concentration:				42,160.00				
Client ID : CHRT-24336								
P4172-06	CHRT-24336	Solid	Butane, 2-methoxy-2-methyl- *	1,700.000	J			
P4172-06	CHRT-24336	Solid	Decahydro-8a-ethyl-1,1,4a,6-tetra *	940.000	J			
P4172-06	CHRT-24336	Solid	unknown9.775 *	630.000	J			
P4172-06	CHRT-24336	Solid	unknown9.822 *	740.000	J			
Total Tics :				4,010.00				
P4172-06	CHRT-24336	Solid	Benzo(a)anthracene	2,400.000		540	1100	ug/Kg
P4172-06	CHRT-24336	Solid	Benzo(a)pyrene	2,600.000		620	1100	ug/Kg
P4172-06	CHRT-24336	Solid	Benzo(b)fluoranthene	3,900.000		540	1100	ug/Kg
P4172-06	CHRT-24336	Solid	Benzo(g,h,i)perylene	1,600.000		530	1100	ug/Kg
P4172-06	CHRT-24336	Solid	Benzo(k)fluoranthene	1,300.000		550	1100	ug/Kg
P4172-06	CHRT-24336	Solid	Bis(2-ethylhexyl)phthalate	4,600.000		600	1100	ug/Kg
P4172-06	CHRT-24336	Solid	Chrysene	2,600.000		530	1100	ug/Kg
P4172-06	CHRT-24336	Solid	Fluoranthene	6,000.000		540	1100	ug/Kg
P4172-06	CHRT-24336	Solid	Indeno(1,2,3-cd)pyrene	1,400.000		520	1100	ug/Kg
P4172-06	CHRT-24336	Solid	Phenanthrene	2,700.000		560	1100	ug/Kg
P4172-06	CHRT-24336	Solid	Pyrene	3,900.000		550	1100	ug/Kg
Total Svoc :				33,000.00				
Total Concentration:				37,010.00				
Client ID : VNJ231								
P4178-04	VNJ231	Solid	11H-Benzo[a]fluoren-11-one *	86.400	J			
P4178-04	VNJ231	Solid	11H-Benzo[b]fluorene *	150.000	J			
P4178-04	VNJ231	Solid	2-Pentanone, 4-hydroxy-4-methyl *	120.000	A			
P4178-04	VNJ231	Solid	4H-Cyclopenta[def]phenanthrene *	350.000	J			
P4178-04	VNJ231	Solid	9,10-Anthracenedione *	83.800	J			
P4178-04	VNJ231	Solid	Anthracene, 1-methyl- *	77.400	J			

Hit Summary Sheet SW-846

SDG No.: BF092524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4178-04	VNJ231	Solid	Benzo[b]naphtho[2,1-d]thiophene *	93.200	J			
P4178-04	VNJ231	Solid	Benzo[e]pyrene *	240.000	J			
P4178-04	VNJ231	Solid	Benzophenone *	270.000	J			
P4178-04	VNJ231	Solid	Butane, 2-methoxy-2-methyl- *	1,200.000	J			
P4178-04	VNJ231	Solid	Cyclopenta(def)phenanthrenone *	170.000	J			
P4178-04	VNJ231	Solid	Fluoranthene, 2-methyl- *	85.500	J			
P4178-04	VNJ231	Solid	Hentriacontane *	130.000	J			
P4178-04	VNJ231	Solid	n-Hexadecanoic acid *	320.000	J			
P4178-04	VNJ231	Solid	Naphthalene, 2-phenyl- *	99.800	J			
P4178-04	VNJ231	Solid	Phenanthrene, 2,5-dimethyl- *	240.000	J			
P4178-04	VNJ231	Solid	Phenanthrene, 2-methyl- *	100.000	J			
P4178-04	VNJ231	Solid	Phenanthrene, 3,6-dimethyl- *	190.000	J			
P4178-04	VNJ231	Solid	Pyrene, 1-methyl- *	120.000	J			
P4178-04	VNJ231	Solid	Pyrene, 4-methyl- *	93.000	J			
Total Tics :				4,219.10				
P4178-04	VNJ231	Solid	Acenaphthylene	92.000	J	55.2	110	ug/Kg
P4178-04	VNJ231	Solid	Anthracene	130.000		53.9	110	ug/Kg
P4178-04	VNJ231	Solid	Benzo(a)anthracene	560.000		51.5	110	ug/Kg
P4178-04	VNJ231	Solid	Benzo(a)pyrene	490.000		59.4	110	ug/Kg
P4178-04	VNJ231	Solid	Benzo(b)fluoranthene	570.000		51.8	110	ug/Kg
P4178-04	VNJ231	Solid	Benzo(g,h,i)perylene	250.000		51.1	110	ug/Kg
P4178-04	VNJ231	Solid	Benzo(k)fluoranthene	210.000		52.7	110	ug/Kg
P4178-04	VNJ231	Solid	Chrysene	570.000		50.7	110	ug/Kg
P4178-04	VNJ231	Solid	Dibenzo(a,h)anthracene	60.200	J	51.8	110	ug/Kg
P4178-04	VNJ231	Solid	Fluoranthene	980.000		52.1	110	ug/Kg
P4178-04	VNJ231	Solid	Indeno(1,2,3-cd)pyrene	200.000		49.8	110	ug/Kg
P4178-04	VNJ231	Solid	Phenanthrene	360.000		53.6	110	ug/Kg
P4178-04	VNJ231	Solid	Pyrene	910.000		53	110	ug/Kg
Total Svoc :				5,382.20				
Total Concentration:				9,601.30				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM

Case No.: BF091324

SAS No.: BF091324

SDG No.: BF091324

Instrument ID: _____

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

Calibration Time(s): 14:32 _____

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

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

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

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

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF092524 SAS No.: BF092524 SDG NO.: BF092524

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 25 2024 12:00AM

Lab File ID: BF139349.D Time Analyzed: 15:44

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	52723	6.881	182509	8.16	98703	9.92
	UPPER LIMIT	105446	7.381	365018	8.663	197406	10.416
	LOWER LIMIT	26361.5	6.381	91254.5	7.663	49351.5	9.416
	EPA SAMPLE NO.						
01	PB163661BL	66825	6.88	244178	8.16	128439	9.91
02	PB163661BS	68984	6.88	251079	8.16	138500	9.92
03	PB163665BL	69594	6.88	252876	8.16	135217	9.91
04	PB163665BS	66799	6.88	243770	8.16	131975	9.92
05	PB163649TB	71468	6.88	266054	8.16	143134	9.91
06	STOCK-PILE	80729	6.88	307984	8.16	168720	9.91
07	STOCK-PILEMS	82065	6.88	315781	8.16	174649	9.92
08	STOCK-PILEMSD	62404	6.88	241477	8.16	134253	9.92
09	CHRT-20425	84943	6.88	315878	8.16	160510	9.91
10	SU-04-09242024	75104	6.88	275678	8.16	141735	9.91
11	SU-03-09242024	84092	6.88	306632	8.16	149508	9.91
12	PL-03-09242024	77103	6.88	280900	8.16	135750	9.91
13	CHRT-24336	71225	6.88	249100	8.16	114093	9.91
14	VNJ231	68999	6.88	237039	8.16	109541	9.91
15	VNJ231MS	72390	6.88	259290	8.16	123749	9.92
16	VNJ231MSD	68396	6.88	244093	8.16	117757	9.92

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF092524 SAS No.: BF092524 SDG NO.: BF092524

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 25 2024 12:00AM

Lab File ID: BF139349.D Time Analyzed: 23:05

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	52723	6.881	182509	8.16	98703	9.92
UPPER LIMIT	105446	7.381	365018	8.663	197406	10.416
LOWER LIMIT	26361.5	6.381	91254.5	7.663	49351.5	9.416
EPA SAMPLE NO.						

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.



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF092524 SAS No.: BF092524 SDG NO.: BF092524

EPA Sample No.: SSTDCCC040 Date Analyzed: Sep 25 2024 12:00AM

Lab File ID: BF139529.D Time Analyzed: 15:44

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	77049	6.881	277113	8.16	146643	9.92
	UPPER LIMIT	154098	7.381	554226	8.663	293286	10.416
	LOWER LIMIT	38524.5	6.381	138556.5	7.663	73321.5	9.416
	EPA SAMPLE NO.						
01	PB163661BL	66825	6.88	244178	8.16	128439	9.91
02	PB163661BS	68984	6.88	251079	8.16	138500	9.92
03	PB163665BL	69594	6.88	252876	8.16	135217	9.91
04	PB163665BS	66799	6.88	243770	8.16	131975	9.92
05	PB163649TB	71468	6.88	266054	8.16	143134	9.91
06	STOCK-PILE	80729	6.88	307984	8.16	168720	9.91
07	STOCK-PILEMS	82065	6.88	315781	8.16	174649	9.92
08	STOCK-PILEMSD	62404	6.88	241477	8.16	134253	9.92
09	CHRT-20425	84943	6.88	315878	8.16	160510	9.91
10	SU-04-09242024	75104	6.88	275678	8.16	141735	9.91
11	SU-03-09242024	84092	6.88	306632	8.16	149508	9.91
12	PL-03-09242024	77103	6.88	280900	8.16	135750	9.91
13	CHRT-24336	71225	6.88	249100	8.16	114093	9.91
14	VNJ231	68999	6.88	237039	8.16	109541	9.91
15	VNJ231MS	72390	6.88	259290	8.16	123749	9.92
16	VNJ231MSD	68396	6.88	244093	8.16	117757	9.92

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF092524 SAS No.: BF092524 SDG NO.: BF092524

EPA Sample No.: SSTDCCC040 Date Analyzed: Sep 25 2024 12:00AM

Lab File ID: BF139529.D Time Analyzed: 23:05

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	77049	6.881	277113	8.16	146643	9.92
UPPER LIMIT	154098	7.381	554226	8.663	293286	10.416
LOWER LIMIT	38524.5	6.381	138556.5	7.663	73321.5	9.416
EPA SAMPLE NO.						

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.: BF092524 SAS No.: BF092524 SDG NO.: BF092524

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 25 2024 12:00AM

Lab File ID: BF139349.D Time Analyzed: 15:44

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	194097	11.398	109489	14.033	106513	15.498
	UPPER LIMIT	388194	11.898	218978	14.533	213026	15.998
	LOWER LIMIT	97048.5	10.898	54744.5	13.533	53256.5	14.998
	EPA SAMPLE NO.						
01	PB163661BL	235575	11.40	137899	14.03	117304	15.51
02	PB163661BS	256247	11.40	124390	14.04	142443	15.51
03	PB163665BL	253266	11.40	151018	14.03	126891	15.51
04	PB163665BS	253697	11.40	122817	14.04	141578	15.51
05	PB163649TB	262330	11.40	148291	14.03	129720	15.50
06	STOCK-PILE	313713	11.40	147204	14.03	130637	15.50
07	STOCK-PILEMS	314578	11.40	146193	14.04	159732	15.51
08	STOCK-PILEMSD	248273	11.40	116771	14.04	122873	15.51
09	CHRT-20425	238640	11.40	156653	14.03	132212	15.51
10	SU-04-09242024	223232	11.40	148865	14.03	111318	15.51
11	SU-03-09242024	237425	11.40	154518	14.03	111479	15.50
12	PL-03-09242024	228752	11.40	145730	14.03	106819	15.51
13	CHRT-24336	179368	11.40	133904	14.04	101369	15.51
14	VNJ231	187492	11.40	131638	14.04	97474	15.51
15	VNJ231MS	204540	11.40	122880	14.05	98310	15.52
16	VNJ231MSD	202183	11.40	120225	14.05	95144	15.52

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF092524 SAS No.: BF092524 SDG NO.: BF092524

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 25 2024 12:00AM

Lab File ID: BF139349.D Time Analyzed: 23:05

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	194097	11.398	109489	14.033	106513	15.498
UPPER LIMIT	388194	11.898	218978	14.533	213026	15.998
LOWER LIMIT	97048.5	10.898	54744.5	13.533	53256.5	14.998
EPA SAMPLE NO.						

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.: BF092524 SAS No.: BF092524 SDG NO.: BF092524

EPA Sample No.: SSTDCCC040 Date Analyzed: Sep 25 2024 12:00AM

Lab File ID: BF139529.D Time Analyzed: 15:44

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	241081	11.398	120939	14.039	159224	15.51
	UPPER LIMIT	482162	11.898	241878	14.539	318448	16.01
	LOWER LIMIT	120540.5	10.898	60469.5	13.539	79612	15.01
	EPA SAMPLE NO.						
01	PB163661BL	235575	11.40	137899	14.03	117304	15.51
02	PB163661BS	256247	11.40	124390	14.04	142443	15.51
03	PB163665BL	253266	11.40	151018	14.03	126891	15.51
04	PB163665BS	253697	11.40	122817	14.04	141578	15.51
05	PB163649TB	262330	11.40	148291	14.03	129720	15.50
06	STOCK-PILE	313713	11.40	147204	14.03	130637	15.50
07	STOCK-PILEMS	314578	11.40	146193	14.04	159732	15.51
08	STOCK-PILEMSD	248273	11.40	116771	14.04	122873	15.51
09	CHRT-20425	238640	11.40	156653	14.03	132212	15.51
10	SU-04-09242024	223232	11.40	148865	14.03	111318	15.51
11	SU-03-09242024	237425	11.40	154518	14.03	111479	15.50
12	PL-03-09242024	228752	11.40	145730	14.03	106819	15.51
13	CHRT-24336	179368	11.40	133904	14.04	101369	15.51
14	VNJ231	187492	11.40	131638	14.04	97474	15.51
15	VNJ231MS	204540	11.40	122880	14.05	98310	15.52
16	VNJ231MSD	202183	11.40	120225	14.05	95144	15.52

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF092524 SAS No.: BF092524 SDG NO.: BF092524

EPA Sample No.: SSTDCCC040 Date Analyzed: Sep 25 2024 12:00AM

Lab File ID: BF139529.D Time Analyzed: 23:05

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	241081	11.398	120939	14.039	159224	15.51
UPPER LIMIT	482162	11.898	241878	14.539	318448	16.01
LOWER LIMIT	120540.5	10.898	60469.5	13.539	79612	15.01
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF092524**

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB163661BS	n-Nitrosodimethylamine	1700	1400	ug/Kg	82				57	103	
	Pyridine	1700	1700	ug/Kg	100		*		28	98	
	Benzaldehyde	1700	320	ug/Kg	19				10	133	
	Aniline	1700	1900	ug/Kg	112		*		38	100	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1600	ug/Kg	94				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	1,2-Dichlorobenzene	1700	1600	ug/Kg	94				51	102	
	1,3-Dichlorobenzene	1700	1500	ug/Kg	88				52	99	
	1,4-Dichlorobenzene	1700	1600	ug/Kg	94				52	100	
	Benzyl Alcohol	1700	1600	ug/Kg	94				42	116	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1900	ug/Kg	112		*		51	100	
	Acetophenone	1700	1500	ug/Kg	88				66	98	
	3+4-Methylphenols	1700	1600	ug/Kg	94				58	111	
	N-Nitroso-di-n-propylamine	1700	1600	ug/Kg	94				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1700	ug/Kg	100		*		59	99	
	2-Nitrophenol	1700	1800	ug/Kg	106				61	111	
	2,4-Dimethylphenol	1700	2000	ug/Kg	118				46	141	
	bis(2-Chloroethoxy)methane	1700	1700	ug/Kg	100		*		66	97	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	1,2,4-Trichlorobenzene	1700	1500	ug/Kg	88				44	110	
	Benzoic acid	1700	1500	ug/Kg	88				10	140	
	Naphthalene	1700	1600	ug/Kg	94				62	100	
	4-Chloroaniline	1700	890	ug/Kg	52				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1800	ug/Kg	106				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1600	ug/Kg	94				60	104	
	Hexachlorocyclopentadiene	3300	5300	ug/Kg	161				45	165	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				58	99	
	2-Nitroaniline	1700	1700	ug/Kg	100				66	101	
	Dimethylphthalate	1700	1600	ug/Kg	94				61	99	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104	
	3-Nitroaniline	1700	1200	ug/Kg	71				28	100	
	Acenaphthene	1700	1800	ug/Kg	106		*		57	104	
	Total PAH	27200	27200	ug/Kg	100				57	104	
	2,4-Dinitrophenol	3300	3300	ug/Kg	100				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF092524**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB163661BS	4-Nitrophenol	3300	3100	ug/Kg	94				48	119	
	Dibenzofuran	1700	1600	ug/Kg	94				63	99	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				60	106	
	2,4-Dinitrotoluene/2,6-Dinitroto	3400	3300	ug/Kg	97				60	106	
	Diethylphthalate	1700	1600	ug/Kg	94				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1600	ug/Kg	94				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				76	113	
	N-Nitrosodiphenylamine	1700	1700	ug/Kg	100		*		71	99	
	Azobenzene	1700	1700	ug/Kg	100				54	103	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				66	102	
	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	2200	ug/Kg	129				47	152	
	Pentachlorophenol	3300	2900	ug/Kg	88				67	105	
	Phenanthrene	1700	1700	ug/Kg	100				59	103	
	Anthracene	1700	1800	ug/Kg	106		*		61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Benzidine	3300	2700	ug/Kg	82				10	98	
	Pyrene	1700	1800	ug/Kg	106		*		59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	1400	ug/Kg	82				42	91	
	Benzo(a)anthracene	1700	1700	ug/Kg	100				60	102	
	Chrysene	1700	1700	ug/Kg	100				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				54	135	
	Di-n-octyl phthalate	1700	1700	ug/Kg	100				52	137	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(a)pyrene	1700	1800	ug/Kg	106		*		63	103	
	Indeno(1,2,3-cd)pyrene	1700	1800	ug/Kg	106		*		63	101	
	Dibenz(a,h)anthracene	1700	1800	ug/Kg	106				61	112	
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1500	ug/Kg	88				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1700	ug/Kg	100				59	108	
	1-Methylnaphthalene	1700	1500	ug/Kg	88				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF092524**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB163665BS	n-Nitrosodimethylamine	50	46.2	ug/L	92				55	108	
	Pyridine	50	54.9	ug/L	110		*		29	97	
	Benzaldehyde	50	10.3	ug/L	21				10	162	
	Aniline	50	62.1	ug/L	124				10	130	
	Phenol	50	52	ug/L	104				66	118	
	bis(2-Chloroethyl)ether	50	50.8	ug/L	102				62	103	
	2-Chlorophenol	50	52.2	ug/L	104				70	117	
	1,2-Dichlorobenzene	50	49.7	ug/L	99				72	102	
	1,3-Dichlorobenzene	50	48.3	ug/L	97				71	103	
	1,4-Dichlorobenzene	50	48.5	ug/L	97				76	103	
	Benzyl Alcohol	50	47.9	ug/L	96		*		36	93	
	2-Methylphenol	50	52.1	ug/L	104				69	109	
	2,2-oxybis(1-Chloropropane)	50	59.2	ug/L	118		*		65	100	
	Acetophenone	50	47.5	ug/L	95				60	104	
	3+4-Methylphenols	50	48.5	ug/L	97				67	106	
	N-Nitroso-di-n-propylamine	50	50	ug/L	100				57	107	
	Hexachloroethane	50	47.4	ug/L	95				76	118	
	Nitrobenzene	50	47.2	ug/L	94				58	106	
	Isophorone	50	52	ug/L	104		*		61	102	
	2-Nitrophenol	50	55	ug/L	110				70	115	
	2,4-Dimethylphenol	50	63	ug/L	126				42	142	
	bis(2-Chloroethoxy)methane	50	52.6	ug/L	105				58	109	
	2,4-Dichlorophenol	50	50.7	ug/L	101				66	115	
	1,2,4-Trichlorobenzene	50	47.3	ug/L	95				41	115	
	Benzoic acid	50	46.7	ug/L	93				10	125	
	Naphthalene	50	50.2	ug/L	100				64	107	
	4-Chloroaniline	50	26.3	ug/L	53				10	85	
	Hexachlorobutadiene	50	44.7	ug/L	89				69	101	
	Caprolactam	50	58.8	ug/L	118				58	128	
	4-Chloro-3-methylphenol	50	50.7	ug/L	101				65	114	
	2-Methylnaphthalene	50	50.2	ug/L	100				64	107	
	Hexachlorocyclopentadiene	100	170	ug/L	170		*		36	160	
	2,4,6-Trichlorophenol	50	52	ug/L	104				61	110	
	2,4,5-Trichlorophenol	50	51.7	ug/L	103				70	106	
	1,1-Biphenyl	50	49.7	ug/L	99		*		72	98	
	2-Chloronaphthalene	50	50.5	ug/L	101				59	106	
	2-Nitroaniline	50	53.4	ug/L	107				73	114	
	Dimethylphthalate	50	52.2	ug/L	104		*		64	103	
	Acenaphthylene	50	55.7	ug/L	111		*		79	103	
	2,6-Dinitrotoluene	50	52.4	ug/L	105				64	110	
	3-Nitroaniline	50	39.3	ug/L	79				28	100	
	Acenaphthene	50	57.3	ug/L	115		*		59	113	
	Total PAH	800	862.1	ug/L	108				59	113	
	2,4-Dinitrophenol	100	110	ug/L	110				36	166	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF092524**

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB163665BS	4-Nitrophenol	100	100	ug/L	100				45	147	
	Dibenzofuran	50	51.7	ug/L	103				65	106	
	2,4-Dinitrotoluene	50	54.8	ug/L	110				60	115	
	2,4-Dinitrotoluene/2,6-Dinitrotrc	100	107.2	ug/L	107				60	115	
	Diethylphthalate	50	51	ug/L	102				63	105	
	4-Chlorophenyl-phenylether	50	49.1	ug/L	98				61	104	
	Fluorene	50	50.6	ug/L	101				64	107	
	4-Nitroaniline	50	51.4	ug/L	103				55	125	
	4,6-Dinitro-2-methylphenol	50	56.2	ug/L	112				62	132	
	N-Nitrosodiphenylamine	50	53	ug/L	106				61	109	
	Azobenzene	50	52.4	ug/L	105				59	106	
	4-Bromophenyl-phenylether	50	51.7	ug/L	103				73	103	
	Hexachlorobenzene	50	49.3	ug/L	99				73	106	
	Atrazine	50	70	ug/L	140		*		76	120	
	Pentachlorophenol	100	92.7	ug/L	93				47	114	
	Phenanthrene	50	53.3	ug/L	107				62	109	
	Anthracene	50	55.4	ug/L	111		*		65	110	
	Carbazole	50	51.2	ug/L	102				62	106	
	Di-n-butylphthalate	50	51.3	ug/L	103				64	106	
	Fluoranthene	50	47.1	ug/L	94				64	110	
	Benzidine	100	86.7	ug/L	87				10	94	
	Pyrene	50	58.2	ug/L	116		*		71	103	
	Butylbenzylphthalate	50	52.2	ug/L	104				61	105	
	3,3-Dichlorobenzidine	50	46.2	ug/L	92				43	108	
	Benzo(a)anthracene	50	54.1	ug/L	108		*		62	107	
	Chrysene	50	54.7	ug/L	109		*		61	108	
	bis(2-Ethylhexyl)phthalate	50	49.2	ug/L	98				59	110	
	Di-n-octyl phthalate	50	54	ug/L	108				52	139	
	Benzo(b)fluoranthene	50	47.7	ug/L	95				77	113	
	Benzo(k)fluoranthene	50	52.9	ug/L	106		*		77	105	
	Benzo(a)pyrene	50	57.1	ug/L	114				72	131	
	Indeno(1,2,3-cd)pyrene	50	58.2	ug/L	116		*		72	105	
	Dibenz(a,h)anthracene	50	56.3	ug/L	113				78	115	
	Benzo(g,h,i)perylene	50	53.3	ug/L	107				75	118	
	1,2,4,5-Tetrachlorobenzene	50	48.6	ug/L	97				72	101	
	1,4-Dioxane	50	45.7	ug/L	91				38	125	
	2,3,4,6-Tetrachlorophenol	50	53.4	ug/L	107				63	116	
	1-Methylnaphthalene	50	47.8	ug/L	96				51	114	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163661BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF092524

SAS No.: BF092524 SDG NO.: BF092524

Lab File ID: BF139530.D

Lab Sample ID: PB163661BL

Instrument ID: BNA_F

Date Extracted: 09/25/2024

Matrix: (soil/water) Solid

Date Analyzed: 09/25/2024

Level: (low/med) LOW

Time Analyzed: 15:44

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB163661BS	PB163661BS	BF139531.D	09/25/2024
CHRT-20425	P4172-04	BF139538.D	09/25/2024
SU-04-09242024	P4168-03	BF139539.D	09/25/2024
SU-03-09242024	P4168-01	BF139540.D	09/25/2024
PL-03-09242024	P4167-01	BF139541.D	09/25/2024
CHRT-24336	P4172-06	BF139542.D	09/25/2024
VNJ231	P4178-04	BF139543.D	09/25/2024
VNJ231MS	P4178-04MS	BF139544.D	09/25/2024
VNJ231MSD	P4178-04MSD	BF139545.D	09/25/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163665BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF092524

SAS No.: BF092524 SDG NO.: BF092524

Lab File ID: BF139532.D

Lab Sample ID: PB163665BL

Instrument ID: BNA_F

Date Extracted: 09/25/2024

Matrix: (soil/water) water

Date Analyzed: 09/25/2024

Level: (low/med) LOW

Time Analyzed: 16:40

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB163665BS	PB163665BS	BF139533.D	09/25/2024
PB163649TB	PB163649TB	BF139534.D	09/25/2024
STOCK-PILE	P4148-02	BF139535.D	09/25/2024
STOCK-PILEMS	P4148-02MS	BF139536.D	09/25/2024
STOCK-PILEMSD	P4148-02MSD	BF139537.D	09/25/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF092524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4148-02MS		Client Sample ID: STOCK-PILEMS		DataFile: BF139536.D							
n-Nitrosodimethylamine	500		420	ug/L	84				10	130	
Pyridine	500		500	ug/L	100				10	109	
Benzaldehyde	500		44.5	ug/L	9	*			10	137	
Aniline	500		500	ug/L	100				10	130	
Phenol	500		450	ug/L	90				10	130	
bis(2-Chloroethyl)ether	500		540	ug/L	108				29	141	
2-Chlorophenol	500		500	ug/L	100				23	127	
1,2-Dichlorobenzene	500		460	ug/L	92				61	114	
1,3-Dichlorobenzene	500		440	ug/L	88				65	106	
1,4-Dichlorobenzene	500		450	ug/L	90				55	125	
Benzyl Alcohol	500		500	ug/L	100	*			31	94	
2-Methylphenol	500		520	ug/L	104				37	126	
2,2-oxybis(1-Chloropropane)	500		590	ug/L	118				36	141	
Acetophenone	500		450	ug/L	90				31	164	
3+4-Methylphenols	500		480	ug/L	96				31	127	
N-Nitroso-di-n-propylamine	500		530	ug/L	106				36	147	
Hexachloroethane	500		440	ug/L	88				49	110	
Nitrobenzene	500		450	ug/L	90				62	112	
Isophorone	500		530	ug/L	106				39	146	
2-Nitrophenol	500		530	ug/L	106				30	148	
2,4-Dimethylphenol	500		620	ug/L	124				17	143	
bis(2-Chloroethoxy)methane	500		530	ug/L	106				39	143	
2,4-Dichlorophenol	500		500	ug/L	100				22	146	
1,2,4-Trichlorobenzene	500		450	ug/L	90				66	110	
Benzoic acid	500		430	ug/L	86				10	101	
Naphthalene	500		480	ug/L	96				17	157	
4-Chloroaniline	500		240	ug/L	48				10	95	
Hexachlorobutadiene	500		420	ug/L	84				52	125	
Caprolactam	500		470	ug/L	94				10	130	
4-Chloro-3-methylphenol	500		500	ug/L	100				17	148	
2-Methylnaphthalene	500		500	ug/L	100				38	146	
Hexachlorocyclopentadiene	1000		1500	ug/L	150				20	153	
2,4,6-Trichlorophenol	500		510	ug/L	102				78	112	
2,4,5-Trichlorophenol	500		510	ug/L	102				71	111	
1,1-Biphenyl	500		490	ug/L	98				38	154	
2-Chloronaphthalene	500		490	ug/L	98				41	145	
2-Nitroaniline	500		520	ug/L	104				39	151	
Dimethylphthalate	500		530	ug/L	106				42	147	
Acenaphthylene	500		540	ug/L	108				40	141	
2,6-Dinitrotoluene	500		520	ug/L	104				43	148	
3-Nitroaniline	500		420	ug/L	84				10	111	
Acenaphthene	500		540	ug/L	108				37	146	
Total PAH	8000		8330	ug/L	104				37	146	
2,4-Dinitrophenol	1000		820	ug/L	82				14	167	
4-Nitrophenol	1000		860	ug/L	86				10	130	
Dibenzofuran	500		500	ug/L	100				41	145	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF092524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		520	ug/L	104				50	142	
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1040	ug/L	104				50	142	
Diethylphthalate	500		520	ug/L	104				41	148	
4-Chlorophenyl-phenylether	500		490	ug/L	98				38	149	
Fluorene	500		490	ug/L	98				39	144	
4-Nitroaniline	500		460	ug/L	92				27	138	
4,6-Dinitro-2-methylphenol	500		490	ug/L	98				32	175	
N-Nitrosodiphenylamine	500		550	ug/L	110				40	150	
Azobenzene	500		520	ug/L	104				72	112	
4-Bromophenyl-phenylether	500		540	ug/L	108				42	151	
Hexachlorobenzene	500		520	ug/L	104				72	115	
Atrazine	500		730	ug/L	146				20	162	
Pentachlorophenol	1000		910	ug/L	91				25	139	
Phenanthrene	500		530	ug/L	106				40	147	
Anthracene	500		560	ug/L	112				41	146	
Carbazole	500		500	ug/L	100				37	154	
Di-n-butylphthalate	500		570	ug/L	114				40	151	
Fluoranthene	500		470	ug/L	94				42	146	
Benzidine	1000		1700	ug/L	170	*			10	130	
Pyrene	500		590	ug/L	118				41	149	
Butylbenzylphthalate	500		610	ug/L	122				39	155	
3,3-Dichlorobenzidine	500		510	ug/L	102				10	114	
Benzo(a)anthracene	500		540	ug/L	108				41	147	
Chrysene	500		550	ug/L	110				44	144	
bis(2-Ethylhexyl)phthalate	500		580	ug/L	116				33	160	
Di-n-octyl phthalate	500		620	ug/L	124				36	158	
Benzo(b)fluoranthene	500		560	ug/L	112				40	150	
Benzo(k)fluoranthene	500		470	ug/L	94				40	147	
Benzo(a)pyrene	500		580	ug/L	116				42	147	
Indeno(1,2,3-cd)pyrene	500		500	ug/L	100				30	166	
Dibenz(a,h)anthracene	500		500	ug/L	100				23	172	
Benzo(g,h,i)perylene	500		430	ug/L	86				27	167	
1,2,4,5-Tetrachlorobenzene	500		480	ug/L	96				89	102	
1,4-Dioxane	500		440	ug/L	88				38	130	
2,3,4,6-Tetrachlorophenol	500		530	ug/L	106				91	111	
1-Methylnaphthalene	500		470	ug/L	94				25	151	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF092524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4148-02MSD		Client Sample ID: STOCK-PILEMSD		DataFile: BF139537.D							
n-Nitrosodimethylamine	500		550	ug/L	110		27	*	10	130	20
Pyridine	500		660	ug/L	132	*	28	*	10	109	20
Benzaldehyde	500		61	ug/L	12		29	*	10	137	20
Aniline	500		700	ug/L	140	*	33	*	10	130	20
Phenol	500		590	ug/L	118		27	*	10	130	20
bis(2-Chloroethyl)ether	500		680	ug/L	136		23	*	29	141	20
2-Chlorophenol	500		640	ug/L	128	*	25	*	23	127	20
1,2-Dichlorobenzene	500		590	ug/L	118	*	25	*	61	114	20
1,3-Dichlorobenzene	500		570	ug/L	114	*	26	*	65	106	20
1,4-Dichlorobenzene	500		580	ug/L	116		25	*	55	125	20
Benzyl Alcohol	500		640	ug/L	128	*	25	*	31	94	20
2-Methylphenol	500		650	ug/L	130	*	22	*	37	126	20
2,2-oxybis(1-Chloropropane)	500		750	ug/L	150	*	24	*	36	141	20
Acetophenone	500		580	ug/L	116		25	*	31	164	20
3+4-Methylphenols	500		610	ug/L	122		24	*	31	127	20
N-Nitroso-di-n-propylamine	500		680	ug/L	136		25	*	36	147	20
Hexachloroethane	500		570	ug/L	114	*	26	*	49	110	20
Nitrobenzene	500		580	ug/L	116	*	25	*	62	112	20
Isophorone	500		670	ug/L	134		23	*	39	146	20
2-Nitrophenol	500		670	ug/L	134		23	*	30	148	20
2,4-Dimethylphenol	500		790	ug/L	158	*	24	*	17	143	20
bis(2-Chloroethoxy)methane	500		680	ug/L	136		25	*	39	143	20
2,4-Dichlorophenol	500		650	ug/L	130		26	*	22	146	20
1,2,4-Trichlorobenzene	500		570	ug/L	114	*	24	*	66	110	20
Benzoic acid	500		590	ug/L	118	*	31	*	10	101	20
Naphthalene	500		600	ug/L	120		22	*	17	157	20
4-Chloroaniline	500		360	ug/L	72		40	*	10	95	20
Hexachlorobutadiene	500		550	ug/L	110		27	*	52	125	20
Caprolactam	500		620	ug/L	124		28	*	10	130	20
4-Chloro-3-methylphenol	500		640	ug/L	128		25	*	17	148	20
2-Methylnaphthalene	500		640	ug/L	128		25	*	38	146	20
Hexachlorocyclopentadiene	1000		1900	ug/L	190	*	24	*	20	153	20
2,4,6-Trichlorophenol	500		660	ug/L	132	*	26	*	78	112	20
2,4,5-Trichlorophenol	500		650	ug/L	130	*	24	*	71	111	20
1,1-Biphenyl	500		630	ug/L	126		25	*	38	154	20
2-Chloronaphthalene	500		630	ug/L	126		25	*	41	145	20
2-Nitroaniline	500		670	ug/L	134		25	*	39	151	20
Dimethylphthalate	500		690	ug/L	138		26	*	42	147	20
Acenaphthylene	500		690	ug/L	138		24	*	40	141	20
2,6-Dinitrotoluene	500		670	ug/L	134		25	*	43	148	20
3-Nitroaniline	500		550	ug/L	110		27	*	10	111	20
Acenaphthene	500		690	ug/L	138		24	*	37	146	20
Total PAH	8000		10790	ug/L	135		26	*	37	146	20
2,4-Dinitrophenol	1000		1100	ug/L	110		29	*	14	167	20
4-Nitrophenol	1000		1100	ug/L	110		24	*	10	130	20
Dibenzofuran	500		650	ug/L	130		26	*	41	145	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF092524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		690	ug/L	138		28	*	50	142	20
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1360	ug/L	136		27	*	50	142	20
Diethylphthalate	500		690	ug/L	138		28	*	41	148	20
4-Chlorophenyl-phenylether	500		630	ug/L	126		25	*	38	149	20
Fluorene	500		640	ug/L	128		27	*	39	144	20
4-Nitroaniline	500		630	ug/L	126		31	*	27	138	20
4,6-Dinitro-2-methylphenol	500		620	ug/L	124		23	*	32	175	20
N-Nitrosodiphenylamine	500		710	ug/L	142		25	*	40	150	20
Azobenzene	500		690	ug/L	138	*	28	*	72	112	20
4-Bromophenyl-phenylether	500		700	ug/L	140		26	*	42	151	20
Hexachlorobenzene	500		650	ug/L	130	*	22	*	72	115	20
Atrazine	500		950	ug/L	190	*	26	*	20	162	20
Pentachlorophenol	1000		1200	ug/L	120		27	*	25	139	20
Phenanthrene	500		690	ug/L	138		26	*	40	147	20
Anthracene	500		720	ug/L	144		25	*	41	146	20
Carbazole	500		650	ug/L	130		26	*	37	154	20
Di-n-butylphthalate	500		750	ug/L	150		27	*	40	151	20
Fluoranthene	500		630	ug/L	126		29	*	42	146	20
Benzydine	1000		1900	ug/L	190	*	11		10	130	20
Pyrene	500		790	ug/L	158	*	29	*	41	149	20
Butylbenzylphthalate	500		810	ug/L	162	*	28	*	39	155	20
3,3-Dichlorobenzidine	500		670	ug/L	134	*	27	*	10	114	20
Benzo(a)anthracene	500		700	ug/L	140		26	*	41	147	20
Chrysene	500		710	ug/L	142		25	*	44	144	20
bis(2-Ethylhexyl)phthalate	500		780	ug/L	156		29	*	33	160	20
Di-n-octyl phthalate	500		810	ug/L	162	*	27	*	36	158	20
Benzo(b)fluoranthene	500		740	ug/L	148		28	*	40	150	20
Benzo(k)fluoranthene	500		620	ug/L	124		28	*	40	147	20
Benzo(a)pyrene	500		760	ug/L	152	*	27	*	42	147	20
Indeno(1,2,3-cd)pyrene	500		640	ug/L	128		25	*	30	166	20
Dibenz(a,h)anthracene	500		630	ug/L	126		23	*	23	172	20
Benzo(g,h,i)perylene	500		540	ug/L	108		23	*	27	167	20
1,2,4,5-Tetrachlorobenzene	500		600	ug/L	120	*	22	*	89	102	20
1,4-Dioxane	500		560	ug/L	112		24	*	38	130	20
2,3,4,6-Tetrachlorophenol	500		680	ug/L	136	*	25	*	91	111	20
1-Methylnaphthalene	500		610	ug/L	122		26	*	25	151	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF092524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4178-04MS		Client Sample ID: VNJ231MS		DataFile: BF139544.D							
n-Nitrosodimethylamine	1100		880	ug/Kg	80				66	124	
Pyridine	1100		1100	ug/Kg	100				45	119	
Benzaldehyde	1100		240	ug/Kg	22				10	86	
Aniline	1100		870	ug/Kg	79				10	88	
Phenol	1100		990	ug/Kg	90				67	126	
bis(2-Chloroethyl)ether	1100		1000	ug/Kg	91				54	125	
2-Chlorophenol	1100		1000	ug/Kg	91				79	107	
1,2-Dichlorobenzene	1100		930	ug/Kg	85				61	105	
1,3-Dichlorobenzene	1100		930	ug/Kg	85				62	101	
1,4-Dichlorobenzene	1100		930	ug/Kg	85				63	104	
Benzyl Alcohol	1100		910	ug/Kg	83				47	126	
2-Methylphenol	1100		990	ug/Kg	90				66	122	
2,2-oxybis(1-Chloropropane)	1100		1200	ug/Kg	109				65	110	
Acetophenone	1100		940	ug/Kg	85				75	111	
3+4-Methylphenols	1100		920	ug/Kg	84				66	104	
N-Nitroso-di-n-propylamine	1100		980	ug/Kg	89				59	119	
Hexachloroethane	1100		840	ug/Kg	76				65	117	
Nitrobenzene	1100		900	ug/Kg	82				70	119	
Isophorone	1100		1000	ug/Kg	91				76	122	
2-Nitrophenol	1100		1000	ug/Kg	91				54	145	
2,4-Dimethylphenol	1100		1200	ug/Kg	109				44	135	
bis(2-Chloroethoxy)methane	1100		1100	ug/Kg	100				68	112	
2,4-Dichlorophenol	1100		960	ug/Kg	87				72	118	
1,2,4-Trichlorobenzene	1100		890	ug/Kg	81				57	103	
Benzoic acid	1100		740	ug/Kg	67				50	104	
Naphthalene	1100		950	ug/Kg	86				72	110	
4-Chloroaniline	1100		260	ug/Kg	24				10	91	
Hexachlorobutadiene	1100		870	ug/Kg	79				66	114	
Caprolactam	1100		950	ug/Kg	86				51	134	
4-Chloro-3-methylphenol	1100		860	ug/Kg	78				57	132	
2-Methylnaphthalene	1100		950	ug/Kg	86				59	123	
Hexachlorocyclopentadiene	2100		1200	ug/Kg	57				10	175	
2,4,6-Trichlorophenol	1100		1000	ug/Kg	91				72	117	
2,4,5-Trichlorophenol	1100		970	ug/Kg	88				72	117	
1,1-Biphenyl	1100		1000	ug/Kg	91				75	113	
2-Chloronaphthalene	1100		990	ug/Kg	90				67	118	
2-Nitroaniline	1100		1000	ug/Kg	91				69	127	
Dimethylphthalate	1100		1000	ug/Kg	91				70	113	
Acenaphthylene	1100	92	1100	ug/Kg	92				79	118	
2,6-Dinitrotoluene	1100		950	ug/Kg	86				70	125	
3-Nitroaniline	1100		730	ug/Kg	66				30	99	
Acenaphthene	1100		960	ug/Kg	87				70	121	
Total PAH	17600	5382.2	21090	ug/Kg	120				70	121	
2,4-Dinitrophenol	2100		410	ug/Kg	20				10	155	
4-Nitrophenol	2100		1600	ug/Kg	76				45	133	
Dibenzofuran	1100		970	ug/Kg	88				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF092524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1840	ug/Kg	84				55	128	
2,4-Dinitrotoluene	1100		890	ug/Kg	81				55	128	
Diethylphthalate	1100		970	ug/Kg	88				70	112	
4-Chlorophenyl-phenylether	1100		900	ug/Kg	82				71	108	
Fluorene	1100	0	930	ug/Kg	85				68	116	
4-Nitroaniline	1100		770	ug/Kg	70				55	120	
4,6-Dinitro-2-methylphenol	1100		310	ug/Kg	28				10	160	
N-Nitrosodiphenylamine	1100		1100	ug/Kg	100				73	118	
Azobenzene	1100		1100	ug/Kg	100				73	110	
4-Bromophenyl-phenylether	1100		1000	ug/Kg	91				65	121	
Hexachlorobenzene	1100		950	ug/Kg	86				67	118	
Atrazine	1100		1400	ug/Kg	127				79	127	
Pentachlorophenol	2100		1700	ug/Kg	81				47	128	
Phenanthrene	1100	360	1300	ug/Kg	85				52	128	
Anthracene	1100	130	1200	ug/Kg	97				62	124	
Carbazole	1100		1000	ug/Kg	91				59	119	
Di-n-butylphthalate	1100		1100	ug/Kg	100				69	118	
Fluoranthene	1100	980	1900	ug/Kg	84				44	125	
Benzydine	2100		1100	ug/Kg	52				10	119	
Pyrene	1100	910	2000	ug/Kg	99				26	142	
Butylbenzylphthalate	1100		1200	ug/Kg	109				64	126	
3,3-Dichlorobenzidine	1100		870	ug/Kg	79				33	116	
Benzo(a)anthracene	1100	560	1700	ug/Kg	104				71	114	
Chrysene	1100	570	1600	ug/Kg	94				57	121	
bis(2-Ethylhexyl)phthalate	1100		1300	ug/Kg	118				42	169	
Di-n-octyl phthalate	1100		1300	ug/Kg	118				23	175	
Benzo(b)fluoranthene	1100	570	1700	ug/Kg	103				67	121	
Benzo(k)fluoranthene	1100	210	1100	ug/Kg	81				57	134	
Benzo(a)pyrene	1100	490	1500	ug/Kg	92				70	142	
Indeno(1,2,3-cd)pyrene	1100	200	1100	ug/Kg	82				40	129	
Dibenz(a,h)anthracene	1100	60.2	950	ug/Kg	81				43	123	
Benzo(g,h,i)perylene	1100	250	1100	ug/Kg	77				24	125	
1,2,4,5-Tetrachlorobenzene	1100		1000	ug/Kg	91				69	124	
1,4-Dioxane	1100		930	ug/Kg	85				46	112	
2,3,4,6-Tetrachlorophenol	1100		900	ug/Kg	82				69	112	
1-Methylnaphthalene	1100		860	ug/Kg	78				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF092524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4178-04MSD		Client Sample ID: VNJ231MSD		DataFile: BF139545.D							
n-Nitrosodimethylamine	1100		970	ug/Kg	88		10		66	124	20
Pyridine	1100		1200	ug/Kg	109		9		45	119	20
Benzaldehyde	1100		270	ug/Kg	25		13		10	86	20
Aniline	1100		920	ug/Kg	84		6		10	88	20
Phenol	1100		1100	ug/Kg	100		11		67	126	20
bis(2-Chloroethyl)ether	1100		1100	ug/Kg	100		9		54	125	20
2-Chlorophenol	1100		1100	ug/Kg	100		9		79	107	20
1,2-Dichlorobenzene	1100		1000	ug/Kg	91		7		61	105	20
1,3-Dichlorobenzene	1100		1000	ug/Kg	91		7		62	101	20
1,4-Dichlorobenzene	1100		1000	ug/Kg	91		7		63	104	20
Benzyl Alcohol	1100		1000	ug/Kg	91		9		47	126	20
2-Methylphenol	1100		1100	ug/Kg	100		11		66	122	20
2,2-oxybis(1-Chloropropane)	1100		1300	ug/Kg	118	*	8		65	110	20
Acetophenone	1100		1000	ug/Kg	91		7		75	111	20
3+4-Methylphenols	1100		980	ug/Kg	89		6		66	104	20
N-Nitroso-di-n-propylamine	1100		1100	ug/Kg	100		12		59	119	20
Hexachloroethane	1100		900	ug/Kg	82		8		65	117	20
Nitrobenzene	1100		980	ug/Kg	89		8		70	119	20
Isophorone	1100		1100	ug/Kg	100		9		76	122	20
2-Nitrophenol	1100		1100	ug/Kg	100		9		54	145	20
2,4-Dimethylphenol	1100		1300	ug/Kg	118		8		44	135	20
bis(2-Chloroethoxy)methane	1100		1100	ug/Kg	100		0		68	112	20
2,4-Dichlorophenol	1100		1000	ug/Kg	91		4		72	118	20
1,2,4-Trichlorobenzene	1100		970	ug/Kg	88		8		57	103	20
Benzoic acid	1100		820	ug/Kg	75		11		50	104	20
Naphthalene	1100		1000	ug/Kg	91		6		72	110	20
4-Chloroaniline	1100		290	ug/Kg	26		8		10	91	20
Hexachlorobutadiene	1100		960	ug/Kg	87		10		66	114	20
Caprolactam	1100		1100	ug/Kg	100		15		51	134	20
4-Chloro-3-methylphenol	1100		950	ug/Kg	86		10		57	132	20
2-Methylnaphthalene	1100		1000	ug/Kg	91		6		59	123	20
Hexachlorocyclopentadiene	2100		1200	ug/Kg	57		0		10	175	20
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100		9		72	117	20
2,4,5-Trichlorophenol	1100		1000	ug/Kg	91		3		72	117	20
1,1-Biphenyl	1100		1100	ug/Kg	100		9		75	113	20
2-Chloronaphthalene	1100		1100	ug/Kg	100		11		67	118	20
2-Nitroaniline	1100		1100	ug/Kg	100		9		69	127	20
Dimethylphthalate	1100		1100	ug/Kg	100		9		70	113	20
Acenaphthylene	1100	92	1200	ug/Kg	101		9		79	118	20
2,6-Dinitrotoluene	1100		1000	ug/Kg	91		6		70	125	20
3-Nitroaniline	1100		820	ug/Kg	75		13		30	99	20
Acenaphthene	1100		1000	ug/Kg	91		4		70	121	20
Total PAH	17600	5382.2	23000	ug/Kg	131	*	9		70	121	20
2,4-Dinitrophenol	2100		480	ug/Kg	23		14		10	155	20
4-Nitrophenol	2100		1800	ug/Kg	86		12		45	133	20
Dibenzofuran	1100		1000	ug/Kg	91		3		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF092524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1990	ug/Kg	90		7		55	128	20
2,4-Dinitrotoluene	1100		990	ug/Kg	90		11		55	128	20
Diethylphthalate	1100		1000	ug/Kg	91		3		70	112	20
4-Chlorophenyl-phenylether	1100		980	ug/Kg	89		8		71	108	20
Fluorene	1100	0	1000	ug/Kg	91		7		68	116	20
4-Nitroaniline	1100		870	ug/Kg	79		12		55	120	20
4,6-Dinitro-2-methylphenol	1100		340	ug/Kg	31		10		10	160	20
N-Nitrosodiphenylamine	1100		1100	ug/Kg	100		0		73	118	20
Azobenzene	1100		1200	ug/Kg	109		9		73	110	20
4-Bromophenyl-phenylether	1100		1100	ug/Kg	100		9		65	121	20
Hexachlorobenzene	1100		1000	ug/Kg	91		6		67	118	20
Atrazine	1100		1500	ug/Kg	136	*	7		79	127	20
Pentachlorophenol	2100		1900	ug/Kg	90		11		47	128	20
Phenanthrene	1100	360	1400	ug/Kg	95		11		52	128	20
Anthracene	1100	130	1300	ug/Kg	106		9		62	124	20
Carbazole	1100		1100	ug/Kg	100		9		59	119	20
Di-n-butylphthalate	1100		1200	ug/Kg	109		9		69	118	20
Fluoranthene	1100	980	2100	ug/Kg	102		19		44	125	20
Benzidine	2100		1400	ug/Kg	67		25	*	10	119	20
Pyrene	1100	910	2300	ug/Kg	126		24	*	26	142	20
Butylbenzylphthalate	1100		1400	ug/Kg	127	*	15		64	126	20
3,3-Dichlorobenzidine	1100		990	ug/Kg	90		13		33	116	20
Benzo(a)anthracene	1100	560	1800	ug/Kg	113		8		71	114	20
Chrysene	1100	570	1800	ug/Kg	112		17		57	121	20
bis(2-Ethylhexyl)phthalate	1100		1400	ug/Kg	127		7		42	169	20
Di-n-octyl phthalate	1100		1500	ug/Kg	136		14		23	175	20
Benzo(b)fluoranthene	1100	570	1800	ug/Kg	112		8		67	121	20
Benzo(k)fluoranthene	1100	210	1200	ug/Kg	90		11		57	134	20
Benzo(a)pyrene	1100	490	1700	ug/Kg	110		18		70	142	20
Indeno(1,2,3-cd)pyrene	1100	200	1200	ug/Kg	91		10		40	129	20
Dibenz(a,h)anthracene	1100	60.2	1000	ug/Kg	85		5		43	123	20
Benzo(g,h,i)perylene	1100	250	1200	ug/Kg	86		11		24	125	20
1,2,4,5-Tetrachlorobenzene	1100		1100	ug/Kg	100		9		69	124	20
1,4-Dioxane	1100		1000	ug/Kg	91		7		46	112	20
2,3,4,6-Tetrachlorophenol	1100		960	ug/Kg	87		6		69	112	20
1-Methylnaphthalene	1100		950	ug/Kg	86		10		70	130	20

Surrogate Summary

SW-846

SDG No.: **BF092524**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4167-01	PL-03-09242024	BF139541.D	2-Fluorophenol	150	97.59	65		18	112
			Phenol-d6	150	95.80	64		15	107
			Nitrobenzene-d5	100	64.11	64		18	107
			2-Fluorobiphenyl	100	73.72	74		20	109
			2,4,6-Tribromophenol	150	67.48	45		10	116
			Terphenyl-d14	100	71.36	71		10	105
P4168-01	SU-03-09242024	BF139540.D	2-Fluorophenol	150	79.56	53		18	112
			Phenol-d6	150	79.84	53		15	107
			Nitrobenzene-d5	100	52.04	52		18	107
			2-Fluorobiphenyl	100	59.62	60		20	109
			2,4,6-Tribromophenol	150	57.79	39		10	116
			Terphenyl-d14	100	54.43	54		10	105
P4168-03	SU-04-09242024	BF139539.D	2-Fluorophenol	150	105.07	70		18	112
			Phenol-d6	150	103.34	69		15	107
			Nitrobenzene-d5	100	67.37	67		18	107
			2-Fluorobiphenyl	100	69.50	69		20	109
			2,4,6-Tribromophenol	150	70.97	47		10	116
			Terphenyl-d14	100	66.49	66		10	105
P4172-04	CHRT-20425	BF139538.D	2-Fluorophenol	150	79.11	53		18	112
			Phenol-d6	150	81.96	55		15	107
			Nitrobenzene-d5	100	51.82	52		18	107
			2-Fluorobiphenyl	100	39.22	39		20	109
			2,4,6-Tribromophenol	150	58.03	39		10	116
			Terphenyl-d14	100	31.47	31		10	105
P4172-06	CHRT-24336	BF139542.D	2-Fluorophenol	150	95.79	64		18	112
			Phenol-d6	150	91.44	61		15	107
			Nitrobenzene-d5	100	62.04	62		18	107
			2-Fluorobiphenyl	100	74.25	74		20	109
			2,4,6-Tribromophenol	150	73.79	49		10	116
			Terphenyl-d14	100	66.65	67		10	105
P4178-04	VNJ231	BF139543.D	2-Fluorophenol	150	92.59	62		18	112
			Phenol-d6	150	89.60	60		15	107
			Nitrobenzene-d5	100	64.07	64		18	107
			2-Fluorobiphenyl	100	69.83	70		20	109
			2,4,6-Tribromophenol	150	78.12	52		10	116
			Terphenyl-d14	100	64.96	65		10	105
P4178-04MS	VNJ231MS	BF139544.D	2-Fluorophenol	150	90.99	61		18	112
			Phenol-d6	150	90.03	60		15	107
			Nitrobenzene-d5	100	62.44	62		18	107
			2-Fluorobiphenyl	100	66.78	67		20	109
			2,4,6-Tribromophenol	150	75.97	51		10	116
			Terphenyl-d14	100	67.27	67		10	105
P4178-04MSD	VNJ231MSD	BF139545.D	2-Fluorophenol	150	98.82	66		18	112
			Phenol-d6	150	96.35	64		15	107
			Nitrobenzene-d5	100	67.75	68		18	107
			2-Fluorobiphenyl	100	71.74	72		20	109
			2,4,6-Tribromophenol	150	83.28	56		10	116
			Terphenyl-d14	100	75.05	75		10	105
PB163661BL	PB163661BL	BF139530.D	2-Fluorophenol	150	112.96	75		18	112

Surrogate Summary

SW-846

SDG No.: **BF092524**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB163661BL	PB163661BL	BF139530.D	Phenol-d6	150	111.12	74		15	107
			Nitrobenzene-d5	100	75.72	76		18	107
			2-Fluorobiphenyl	100	76.03	76		20	109
			2,4,6-Tribromophenol	150	96.94	65		10	116
			Terphenyl-d14	100	84.77	85		10	105
PB163661BS	PB163661BS	BF139531.D	2-Fluorophenol	150	129.22	86		18	112
			Phenol-d6	150	127.00	85		15	107
			Nitrobenzene-d5	100	88.07	88		18	107
			2-Fluorobiphenyl	100	86.63	87		20	109
			2,4,6-Tribromophenol	150	124.68	83		10	116
			Terphenyl-d14	100	94.04	94		10	105

Surrogate Summary

SW-846

SDG No.: **BF092524**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4148-02	STOCK-PILE	BF139535.D	2-Fluorophenol	150	115.34	77		10	139
			Phenol-d6	150	107.15	71		10	134
			Nitrobenzene-d5	100	84.57	85		49	133
			2-Fluorobiphenyl	100	83.39	83		52	132
			2,4,6-Tribromophenol	150	126.52	84		44	137
			Terphenyl-d14	100	113.64	114		48	125
P4148-02MS	STOCK-PILEMS	BF139536.D	2-Fluorophenol	150	127.91	85		10	139
			Phenol-d6	150	120.82	81		10	134
			Nitrobenzene-d5	100	92.87	93		49	133
			2-Fluorobiphenyl	100	90.99	91		52	132
			2,4,6-Tribromophenol	150	130.31	87		44	137
			Terphenyl-d14	100	109.80	110		48	125
P4148-02MSD	STOCK-PILEMSD	BF139537.D	2-Fluorophenol	150	162.75	109		10	139
			Phenol-d6	150	155.89	104		10	134
			Nitrobenzene-d5	100	117.06	117		49	133
			2-Fluorobiphenyl	100	114.90	115		52	132
			2,4,6-Tribromophenol	150	171.00	114		44	137
			Terphenyl-d14	100	145.36	145	*	48	125
PB163649TB	PB163649TB	BF139534.D	2-Fluorophenol	150	128.11	85		10	139
			Phenol-d6	150	125.23	83		10	134
			Nitrobenzene-d5	100	85.19	85		49	133
			2-Fluorobiphenyl	100	83.95	84		52	132
			2,4,6-Tribromophenol	150	109.79	73		44	137
			Terphenyl-d14	100	96.88	97		48	125
PB163665BL	PB163665BL	BF139532.D	2-Fluorophenol	150	149.02	99		10	139
			Phenol-d6	150	145.57	97		10	134
			Nitrobenzene-d5	100	100.51	101		49	133
			2-Fluorobiphenyl	100	98.84	99		52	132
			2,4,6-Tribromophenol	150	129.96	87		44	137
			Terphenyl-d14	100	108.87	109		48	125
PB163665BS	PB163665BS	BF139533.D	2-Fluorophenol	150	147.10	98		10	139
			Phenol-d6	150	145.08	97		10	134
			Nitrobenzene-d5	100	99.89	100		49	133
			2-Fluorobiphenyl	100	97.50	98		52	132
			2,4,6-Tribromophenol	150	143.93	96		44	137
			Terphenyl-d14	100	112.02	112		48	125

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF092524

Lab Code: CHEM

SAS No.: BF092524 SDG NO.: BF092524

Lab File ID: BF139528.D

DFTPP Injection Date: 09/25/2024

Instrument ID: BNA_F

DFTPP Injection Time: 14:48

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	47.6
68	Less than 2.0% of mass 69	0.8 (1.9) 1
69	Mass 69 relative abundance	40.7
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	48.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.3
275	10.0 - 60.0% of mass 198	26.9
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	13.8
442	Greater than 50% of mass 198	86.6
443	15.0 - 24.0% of mass 442	16.3 (18.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF139529.D	09/25/2024	15:16
PB163661BL	PB163661BL	BF139530.D	09/25/2024	15:44
PB163661BS	PB163661BS	BF139531.D	09/25/2024	16:12
PB163665BL	PB163665BL	BF139532.D	09/25/2024	16:40
PB163665BS	PB163665BS	BF139533.D	09/25/2024	17:08
PB163649TB	PB163649TB	BF139534.D	09/25/2024	17:37
STOCK-PILE	P4148-02	BF139535.D	09/25/2024	18:22
STOCK-PILEMS	P4148-02MS	BF139536.D	09/25/2024	18:50
STOCK-PILEMSD	P4148-02MSD	BF139537.D	09/25/2024	19:18
CHRT-20425	P4172-04	BF139538.D	09/25/2024	19:47
SU-04-09242024	P4168-03	BF139539.D	09/25/2024	20:15
SU-03-09242024	P4168-01	BF139540.D	09/25/2024	20:43
PL-03-09242024	P4167-01	BF139541.D	09/25/2024	21:12
CHRT-24336	P4172-06	BF139542.D	09/25/2024	21:40
VNJ231	P4178-04	BF139543.D	09/25/2024	22:08
VNJ231MS	P4178-04MS	BF139544.D	09/25/2024	22:37
VNJ231MSD	P4178-04MSD	BF139545.D	09/25/2024	23:05