

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF092523 SAS No.: BF092523 SDG No.: BF092523

Instrument ID: BNA_F Calibration Date/Time: 9/25/2023 1:12:09

Lab File ID: BF135421.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	0.770	0.797		3.506	
Pyridine	1.451	1.671		15.162	
2-Fluorophenol	1.230	1.221		-0.732	
Benzaldehyde	0.891	0.886		-0.561	
Aniline	2.050	1.963		-4.244	
Phenol-d6	1.564	1.515		-3.133	
Phenol	1.715	1.628		-5.073	20.0
bis(2-Chloroethyl)ether	1.286	1.312		2.022	
2-Chlorophenol	1.313	1.294		-1.447	
1,2-Dichlorobenzene	1.260	1.177		-6.587	
1,3-Dichlorobenzene	1.334	1.289		-3.373	
1,4-Dichlorobenzene	1.357	1.290		-4.937	20.0
Benzyl Alcohol	1.122	0.988		-11.943	
2-Methylphenol	1.158	1.114		-3.8	
2,2-oxybis(1-Chloropropane)	2.424	2.355		-2.847	
Acetophenone	0.457	0.417		-8.753	
3+4-Methylphenols	1.393	1.290		-7.394	
n-Nitroso-di-n-propylamine	0.968	0.844	0.050	-12.81	
Nitrobenzene-d5	0.368	0.356		-3.261	
Hexachloroethane	0.502	0.485		-3.386	
Nitrobenzene	0.364	0.364		0.0	
Isophorone	0.676	0.650		-3.846	
2-Nitrophenol	0.175	0.176		0.571	20.0
2,4-Dimethylphenol	0.294	0.291		-1.02	
bis(2-Chloroethoxy)methane	0.405	0.402		-0.741	
2,4-Dichlorophenol	0.272	0.264		-2.941	20.0
1,2,4-Trichlorobenzene	0.284	0.266		-6.338	
Benzoic acid	0.221	0.212		-4.072	
Naphthalene	0.972	0.926		-4.733	
4-Chloroaniline	0.426	0.412		-3.286	
Hexachlorobutadiene	0.171	0.155		-9.357	20.0
Caprolactam	0.091	0.095		4.396	
4-Chloro-3-methylphenol	0.302	0.287		-4.967	20.0
2-Methylnaphthalene	0.653	0.599		-8.27	
Hexachlorocyclopentadiene	0.210	0.232	0.050	10.476	
2,4,6-Trichlorophenol	0.379	0.367		-3.166	20.0
2-Fluorobiphenyl	1.326	1.176		-11.312	
2,4,5-Trichlorophenol	0.437	0.429		-1.831	
1,1-Biphenyl	1.537	1.468		-4.489	
2-Chloronaphthalene	1.115	1.073		-3.767	
2-Nitroaniline	0.433	0.445		2.771	

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.352	1.259		-6.879	
Acenaphthylene	1.853	1.733		-6.476	
2,6-Dinitrotoluene	0.296	0.289		-2.365	
3-Nitroaniline	0.348	0.362		4.023	
Acenaphthene	1.095	1.041		-4.932	20.0
2,4-Dinitrophenol	0.143	0.137	0.050	-4.196	
4-Nitrophenol	0.221	0.205	0.050	-7.24	
Dibenzofuran	1.671	1.501		-10.174	
2,4-Dinitrotoluene	0.371	0.333		-10.243	
Diethylphthalate	1.357	1.260		-7.148	
4-Chlorophenyl-phenylether	0.617	0.553		-10.373	
Fluorene	1.284	1.178		-8.255	
4-Nitroaniline	0.334	0.355		6.287	
4,6-Dinitro-2-methylphenol	0.106	0.104		-1.887	
n-Nitrosodiphenylamine	0.605	0.583		-3.636	20.0
Azobenzene	1.328	1.320		-0.602	
2,4,6-Tribromophenol	0.199	0.170		-14.573	
4-Bromophenyl-phenylether	0.199	0.186		-6.533	
Hexachlorobenzene	0.203	0.184		-9.36	
Atrazine	0.163	0.145		-11.043	
Pentachlorophenol	0.121	0.113		-6.612	20.0
Phenanthrene	0.946	0.907		-4.123	
Anthracene	0.972	0.938		-3.498	
Carbazole	0.885	0.886		0.113	
Di-n-butylphthalate	1.043	1.008		-3.356	
Fluoranthene	0.986	0.951		-3.55	20.0
Benzidine	0.410	0.392		-4.39	
Pyrene	1.904	1.900		-0.21	
Terphenyl-d14	1.290	1.143		-11.395	
Butylbenzylphthalate	0.670	0.693		3.433	
3,3-Dichlorobenzidine	0.403	0.406		0.744	
Benzo (a) anthracene	1.291	1.246		-3.486	
Chrysene	1.284	1.240		-3.427	
Bis (2-ethylhexyl) phthalate	0.688	0.772		12.209	
Di-n-octyl phthalate	1.093	1.161		6.221	20.0
Benzo (b) fluoranthene	1.083	1.022		-5.633	
Benzo (k) fluoranthene	1.069	1.029		-3.742	
Benzo (a) pyrene	1.032	1.028		-0.388	20.0
Indeno (1,2,3-cd) pyrene	1.311	1.357		3.509	
Dibenzo (a,h) anthracene	1.073	1.105		2.982	
Benzo (g,h,i) perylene	1.121	1.186		5.798	



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Lab File ID: BF135421.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.579	0.555		-4.145	
1,4-Dioxane	0.539	0.618		14.657	20.0
2,3,4,6-Tetrachlorophenol	0.336	0.316		-5.952	
1-Methylnaphthalene	0.612	0.564		-7.843	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	9/22/2023 12:00:00 AM
Project:		Date Received:	9/22/2023 12:00:00 AM
Client Sample ID:	PB155762BL	SDG No.:	BF092523
Lab Sample ID:	PB155762BL	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
BF135422.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	77.2	U	77.2	270	330	ug/Kg
110-86-1	Pyridine	72.3	U	72.3	130	170	ug/Kg
100-52-7	Benzaldehyde	150	U	150	270	330	ug/Kg
62-53-3	Aniline	120	U	120	130	170	ug/Kg
108-95-2	Phenol	74.3	U	74.3	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.7	U	89.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	71.9	U	71.9	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	81.6	U	81.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	88.4	U	88.4	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	82.3	U	82.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	98.7	U	98.7	270	330	ug/Kg
95-48-7	2-Methylphenol	110	U	110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	130	170	ug/Kg
98-86-2	Acetophenone	86.6	U	86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	58.9	U	58.9	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	73.5	U	73.5	130	170	ug/Kg
98-95-3	Nitrobenzene	75.1	U	75.1	130	170	ug/Kg
78-59-1	Isophorone	68	U	68	130	170	ug/Kg
88-75-5	2-Nitrophenol	95	U	95	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	99.5	U	99.5	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	78	U	78	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	77.4	U	77.4	130	170	ug/Kg
65-85-0	Benzoic acid	210	U	210	270	330	ug/Kg
91-20-3	Naphthalene	81.3	U	81.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.9	U	83.9	130	170	ug/Kg
105-60-2	Caprolactam	120	U	120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.4	U	82.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	94.8	U	94.8	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	9/22/2023 12:00:00 AM
Project:		Date Received:	9/22/2023 12:00:00 AM
Client Sample ID:	PB155762BL	SDG No.:	BF092523
Lab Sample ID:	PB155762BL	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
BF135422.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	210	U	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77	U	77	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.8	U	87.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	91.2	U	91.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.5	U	84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	99.2	U	99.2	130	170	ug/Kg
131-11-3	Dimethylphthalate	88.8	U	88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	88.3	U	88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.9	U	89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	93.3	U	93.3	130	170	ug/Kg
83-32-9	Acenaphthene	80.2	U	80.2	130	170	ug/Kg
Total PAH	Total PAH	1436.7	U	1436.7	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	270	330	ug/Kg
132-64-9	Dibenzofuran	76.8	U	76.8	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.8	U	99.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.7	U	189.7	130	340	ug/Kg
84-66-2	Diethylphthalate	85.8	U	85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.3	U	90.3	130	170	ug/Kg
86-73-7	Fluorene	84.7	U	84.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.7	U	87.7	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.2	U	93.2	130	170	ug/Kg
103-33-3	Azobenzene	73.4	U	73.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.3	U	97.3	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.7	U	98.7	130	170	ug/Kg
1912-24-9	Atrazine	95.3	U	95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	92.6	U	92.6	130	170	ug/Kg
120-12-7	Anthracene	100	U	100	130	170	ug/Kg
86-74-8	Carbazole	84.8	U	84.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	94.3	U	94.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	9/22/2023 12:00:00 AM
Project:		Date Received:	9/22/2023 12:00:00 AM
Client Sample ID:	PB155762BL	SDG No.:	BF092523
Lab Sample ID:	PB155762BL	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
BF135422.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	270	330	ug/Kg
129-00-0	Pyrene	83.6	U	83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	83.8	U	83.8	130	170	ug/Kg
218-01-9	Chrysene	86.7	U	86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.2	U	80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88	U	88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.2	U	94.2	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.4	U	96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.4	U	92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.3	U	89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.8	U	82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.1	U	90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	133.848		18-112		89	SPK: -150
13127-88-3	Phenol-d6	132.232		15-107		88	SPK: -150
4165-60-0	Nitrobenzene-d5	94.563		18-107		95	SPK: -100
321-60-8	2-Fluorobiphenyl	89.785		20-109		90	SPK: -100
118-79-6	2,4,6-Tribromophenol	116.44		10-110		78	SPK: -150
1718-51-0	Terphenyl-d14	79.421		14-112		79	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	159930	6.751				
1146-65-2	Naphthalene-d8	606927	8.028				
15067-26-2	Acenaphthene-d10	292397	9.786				
1517-22-2	Phenanthrene-d10	546710	11.28				
1719-03-5	Chrysene-d12	323922	13.939				
1520-96-3	Perylene-d12	294379	15.404				



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

Report of Analysis

Client:		Date Collected:	9/22/2023 12:00:00 AM
Project:		Date Received:	9/22/2023 12:00:00 AM
Client Sample ID:	PB155762BL	SDG No.:	BF092523
Lab Sample ID:	PB155762BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135422.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

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

Client:		Date Collected:	9/22/2023 12:00:00 AM
Project:		Date Received:	9/22/2023 12:00:00 AM
Client Sample ID:	PB155762BS	SDG No.:	BF092523
Lab Sample ID:	PB155762BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30 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
BF135423.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1600		77.3	270	330	ug/Kg
110-86-1	Pyridine	1400		72.4	130	170	ug/Kg
100-52-7	Benzaldehyde	850		150	270	330	ug/Kg
62-53-3	Aniline	910		120	130	170	ug/Kg
108-95-2	Phenol	1300		74.4	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		89.8	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		72	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		81.7	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		88.5	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500		82.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1500		98.8	270	330	ug/Kg
95-48-7	2-Methylphenol	1400		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		110	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.7	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1300		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		59	80	80	ug/Kg
67-72-1	Hexachloroethane	1500		73.6	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		75.2	130	170	ug/Kg
78-59-1	Isophorone	1500		68.1	130	170	ug/Kg
88-75-5	2-Nitrophenol	1700		95.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		99.6	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		78.1	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		77.5	130	170	ug/Kg
65-85-0	Benzoic acid	1600		210	270	330	ug/Kg
91-20-3	Naphthalene	1500		81.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	780		110	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		84	130	170	ug/Kg
105-60-2	Caprolactam	1500		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		82.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		94.9	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	9/22/2023 12:00:00 AM
Project:		Date Received:	9/22/2023 12:00:00 AM
Client Sample ID:	PB155762BS	SDG No.:	BF092523
Lab Sample ID:	PB155762BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30 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
BF135423.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2200		210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		77.1	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		87.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		91.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		84.6	130	170	ug/Kg
88-74-4	2-Nitroaniline	1500		99.3	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		88.9	130	170	ug/Kg
208-96-8	Acenaphthylene	1400		88.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		90	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		93.4	130	170	ug/Kg
83-32-9	Acenaphthene	1500		80.3	130	170	ug/Kg
Total PAH	Total PAH	25000		1438.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2700	E	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	2800	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1300		76.9	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2900		189.9	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		99.9	130	170	ug/Kg
84-66-2	Diethylphthalate	1400		85.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1300		90.4	130	170	ug/Kg
86-73-7	Fluorene	1400		84.8	130	170	ug/Kg
100-01-6	4-Nitroaniline	1600		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		87.8	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		93.3	130	170	ug/Kg
103-33-3	Azobenzene	1500		73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		97.4	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		98.8	130	170	ug/Kg
1912-24-9	Atrazine	1700		95.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	2400		110	270	330	ug/Kg
85-01-8	Phenanthrene	1500		92.7	130	170	ug/Kg
120-12-7	Anthracene	1500		100	130	170	ug/Kg
86-74-8	Carbazole	1600		84.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		100	130	170	ug/Kg
206-44-0	Fluoranthene	1600		94.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	9/22/2023 12:00:00 AM
Project:		Date Received:	9/22/2023 12:00:00 AM
Client Sample ID:	PB155762BS	SDG No.:	BF092523
Lab Sample ID:	PB155762BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30 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
BF135423.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1800		190	270	330	ug/Kg
129-00-0	Pyrene	1500		83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		83.9	130	170	ug/Kg
218-01-9	Chrysene	1600		86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		120	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		94.3	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	1400		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	121.164		18-112		81	SPK: -150
13127-88-3	Phenol-d6	120.745		15-107		80	SPK: -150
4165-60-0	Nitrobenzene-d5	88.963		18-107		89	SPK: -100
321-60-8	2-Fluorobiphenyl	80.125		20-109		80	SPK: -100
118-79-6	2,4,6-Tribromophenol	106.134		10-110		71	SPK: -150
1718-51-0	Terphenyl-d14	78.388		14-112		78	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	186040	6.751				
1146-65-2	Naphthalene-d8	704566	8.033				
15067-26-2	Acenaphthene-d10	343508	9.792				
1517-22-2	Phenanthrene-d10	630317	11.286				
1719-03-5	Chrysene-d12	349730	13.945				
1520-96-3	Perylene-d12	292246	15.403				



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Report of Analysis

Client:		Date Collected:	9/22/2023 12:00:00 AM
Project:		Date Received:	9/22/2023 12:00:00 AM
Client Sample ID:	PB155762BS	SDG No.:	BF092523
Lab Sample ID:	PB155762BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135423.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

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

Client:		Date Collected:	9/22/2023 12:00:00 AM
Project:		Date Received:	9/22/2023 12:00:00 AM
Client Sample ID:	PB155763BL	SDG No.:	BF092523
Lab Sample ID:	PB155763BL	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
BF135424.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

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

Report of Analysis

Client:		Date Collected:	9/22/2023 12:00:00 AM
Project:		Date Received:	9/22/2023 12:00:00 AM
Client Sample ID:	PB155763BL	SDG No.:	BF092523
Lab Sample ID:	PB155763BL	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
BF135424.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

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

Report of Analysis

Client:		Date Collected:	9/22/2023 12:00:00 AM
Project:		Date Received:	9/22/2023 12:00:00 AM
Client Sample ID:	PB155763BL	SDG No.:	BF092523
Lab Sample ID:	PB155763BL	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
BF135424.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.6	U	6.6	8	10	ug/L
129-00-0	Pyrene	1.9	U	1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.8	U	2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	5.4	U	5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4	5	ug/L
218-01-9	Chrysene	1.6	U	1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.9	U	2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	3.1	U	3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	2.7	U	2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	U	2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.9	U	1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4	5	ug/L
123-91-1	1,4-Dioxane	2.4	U	2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	2.1	U	2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	119.666		10-139		80	SPK: -150
13127-88-3	Phenol-d6	119.687		10-134		80	SPK: -150
4165-60-0	Nitrobenzene-d5	84.565		49-133		85	SPK: -100
321-60-8	2-Fluorobiphenyl	79.334		52-132		79	SPK: -100
118-79-6	2,4,6-Tribromophenol	103.783		32-145		69	SPK: -150
1718-51-0	Terphenyl-d14	72.062		36-145		72	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	174347	6.751				
1146-65-2	Naphthalene-d8	657236	8.028				
15067-26-2	Acenaphthene-d10	314926	9.786				
1517-22-2	Phenanthrene-d10	581844	11.28				
1719-03-5	Chrysene-d12	337729	13.939				
1520-96-3	Perylene-d12	306077	15.404				



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Report of Analysis

Client:		Date Collected:	9/22/2023 12:00:00 AM
Project:		Date Received:	9/22/2023 12:00:00 AM
Client Sample ID:	PB155763BL	SDG No.:	BF092523
Lab Sample ID:	PB155763BL	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
BF135424.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

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

Client:		Date Collected:	9/22/2023 12:00:00 AM
Project:		Date Received:	9/22/2023 12:00:00 AM
Client Sample ID:	PB155763BS	SDG No.:	BF092523
Lab Sample ID:	PB155763BS	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
BF135425.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	44.7		2	8	10	ug/L
110-86-1	Pyridine	39		1.8	4	5	ug/L
100-52-7	Benzaldehyde	20.9		3.3	8	10	ug/L
62-53-3	Aniline	26.9		2.4	4	5	ug/L
108-95-2	Phenol	38.7		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.7		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	43.7		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	43.6		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	43		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	42.2		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	41.5		2.4	8	10	ug/L
95-48-7	2-Methylphenol	39.4		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	42.5		2.3	4	5	ug/L
98-86-2	Acetophenone	39.9		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	37.8		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	37.4		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	44		1.6	4	5	ug/L
98-95-3	Nitrobenzene	41.8		1.7	4	5	ug/L
78-59-1	Isophorone	40.9		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	44.5		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	40.6		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	42.4		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	41.7		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	42.3		1.7	4	5	ug/L
65-85-0	Benzoic acid	41.2		6.7	8	10	ug/L
91-20-3	Naphthalene	41.1		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	25.9		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	38.7		1.9	4	5	ug/L
105-60-2	Caprolactam	42		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	40.5		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	38		2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	9/22/2023 12:00:00 AM
Project:		Date Received:	9/22/2023 12:00:00 AM
Client Sample ID:	PB155763BS	SDG No.:	BF092523
Lab Sample ID:	PB155763BS	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
BF135425.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	56		5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	40.7		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	39.1		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	40.9		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	42.6		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	43		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	39.7		1.9	4	5	ug/L
208-96-8	Acenaphthylene	41.4		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	41.9		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	33.3		2.4	4	5	ug/L
83-32-9	Acenaphthene	41		1.7	4	5	ug/L
Total PAH	Total PAH	684		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	73.3		5.5	8	10	ug/L
100-02-7	4-Nitrophenol	79.7		2.8	8	10	ug/L
132-64-9	Dibenzofuran	38.3		1.6	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	38.6		2.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	80.5		4.6	4	10	ug/L
84-66-2	Diethylphthalate	39		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	37.6		2.2	4	5	ug/L
86-73-7	Fluorene	39.6		2	4	5	ug/L
100-01-6	4-Nitroaniline	43.7		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	43		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	41.1		2	4	5	ug/L
103-33-3	Azobenzene	41.1		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	39		2	4	5	ug/L
118-74-1	Hexachlorobenzene	41.3		1.9	4	5	ug/L
1912-24-9	Atrazine	46.1		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	58.2		2.6	8	10	ug/L
85-01-8	Phenanthrene	42		2	4	5	ug/L
120-12-7	Anthracene	41.4		2.3	4	5	ug/L
86-74-8	Carbazole	45		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	41		2.4	4	5	ug/L
206-44-0	Fluoranthene	43.3		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	9/22/2023 12:00:00 AM
Project:		Date Received:	9/22/2023 12:00:00 AM
Client Sample ID:	PB155763BS	SDG No.:	BF092523
Lab Sample ID:	PB155763BS	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
BF135425.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	44.9		6.6	8	10	ug/L
129-00-0	Pyrene	41.2		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	45.1		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	35.8		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	42.1		1.5	4	5	ug/L
218-01-9	Chrysene	41.1		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	49.4		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	47.2		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	44.3		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	44.9		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	42.9		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	45.9		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	45.1		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	46.7		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	41.1		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	40		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	41.2		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	37.9		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	113.257		10-139		76	SPK: -150
13127-88-3	Phenol-d6	111.595		10-134		74	SPK: -150
4165-60-0	Nitrobenzene-d5	77.058		49-133		77	SPK: -100
321-60-8	2-Fluorobiphenyl	72.876		52-132		73	SPK: -100
118-79-6	2,4,6-Tribromophenol	98.776		32-145		66	SPK: -150
1718-51-0	Terphenyl-d14	70.71		36-145		71	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	170976	6.751				
1146-65-2	Naphthalene-d8	668406	8.033				
15067-26-2	Acenaphthene-d10	319938	9.792				
1517-22-2	Phenanthrene-d10	597688	11.286				
1719-03-5	Chrysene-d12	332743	13.945				
1520-96-3	Perylene-d12	286706	15.404				



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Report of Analysis

Client:		Date Collected:	9/22/2023 12:00:00 AM
Project:		Date Received:	9/22/2023 12:00:00 AM
Client Sample ID:	PB155763BS	SDG No.:	BF092523
Lab Sample ID:	PB155763BS	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
BF135425.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

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

Client:		Date Collected:	9/22/2023 12:00:00 AM
Project:		Date Received:	9/22/2023 12:00:00 AM
Client Sample ID:	PB155763BSD	SDG No.:	BF092523
Lab Sample ID:	PB155763BSD	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
BF135426.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	45.1		2	8	10	ug/L
110-86-1	Pyridine	38.8		1.8	4	5	ug/L
100-52-7	Benzaldehyde	21.1		3.3	8	10	ug/L
62-53-3	Aniline	26.7		2.4	4	5	ug/L
108-95-2	Phenol	39.2		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	45.2		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	44.8		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	43.3		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	42.8		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	42.5		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	42.1		2.4	8	10	ug/L
95-48-7	2-Methylphenol	40.2		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43		2.3	4	5	ug/L
98-86-2	Acetophenone	39.9		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	38		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	37.6		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	43.5		1.6	4	5	ug/L
98-95-3	Nitrobenzene	42		1.7	4	5	ug/L
78-59-1	Isophorone	41.5		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	44.7		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	40.7		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	41.2		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	41.8		1.7	4	5	ug/L
65-85-0	Benzoic acid	42.4		6.7	8	10	ug/L
91-20-3	Naphthalene	40.8		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	25.9		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	38.6		1.9	4	5	ug/L
105-60-2	Caprolactam	42.2		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	41.1		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	37.7		2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	9/22/2023 12:00:00 AM
Project:		Date Received:	9/22/2023 12:00:00 AM
Client Sample ID:	PB155763BSD	SDG No.:	BF092523
Lab Sample ID:	PB155763BSD	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
BF135426.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	58		5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	41.7		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	39.1		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	41.4		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	43.2		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	44.1		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	40.5		1.9	4	5	ug/L
208-96-8	Acenaphthylene	41.3		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	41.9		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	33.6		2.4	4	5	ug/L
83-32-9	Acenaphthene	41.1		1.7	4	5	ug/L
Total PAH	Total PAH	677.4		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	74.1		5.5	8	10	ug/L
100-02-7	4-Nitrophenol	78.5		2.8	8	10	ug/L
132-64-9	Dibenzofuran	38.4		1.6	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	80.3		4.6	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	38.4		2.5	4	5	ug/L
84-66-2	Diethylphthalate	38.8		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	37.3		2.2	4	5	ug/L
86-73-7	Fluorene	39.8		2	4	5	ug/L
100-01-6	4-Nitroaniline	44.4		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	44.9		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	41.8		2	4	5	ug/L
103-33-3	Azobenzene	41.8		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	40.1		2	4	5	ug/L
118-74-1	Hexachlorobenzene	41.9		1.9	4	5	ug/L
1912-24-9	Atrazine	46.2		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	57		2.6	8	10	ug/L
85-01-8	Phenanthrene	42.3		2	4	5	ug/L
120-12-7	Anthracene	41.9		2.3	4	5	ug/L
86-74-8	Carbazole	45		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	41.5		2.4	4	5	ug/L
206-44-0	Fluoranthene	43.2		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	9/22/2023 12:00:00 AM
Project:		Date Received:	9/22/2023 12:00:00 AM
Client Sample ID:	PB155763BSD	SDG No.:	BF092523
Lab Sample ID:	PB155763BSD	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
BF135426.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	47.1		6.6	8	10	ug/L
129-00-0	Pyrene	40.6		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	44.8		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	37.9		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	42.9		1.5	4	5	ug/L
218-01-9	Chrysene	40.9		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	50.5		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	49.3		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	44.8		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	43.8		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	42.5		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	43.8		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	43.3		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	44.4		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	41.5		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	40.2		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	41.2		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	38.6		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	113.659		10-139		76	SPK: -150
13127-88-3	Phenol-d6	113.348		10-134		76	SPK: -150
4165-60-0	Nitrobenzene-d5	77.834		49-133		78	SPK: -100
321-60-8	2-Fluorobiphenyl	72.543		52-132		73	SPK: -100
118-79-6	2,4,6-Tribromophenol	99.91		32-145		67	SPK: -150
1718-51-0	Terphenyl-d14	69.125		36-145		69	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	174385	6.751				
1146-65-2	Naphthalene-d8	689519	8.034				
15067-26-2	Acenaphthene-d10	328540	9.792				
1517-22-2	Phenanthrene-d10	608207	11.286				
1719-03-5	Chrysene-d12	346309	13.945				
1520-96-3	Perylene-d12	298727	15.404				



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Report of Analysis

Client:		Date Collected:	9/22/2023 12:00:00 AM
Project:		Date Received:	9/22/2023 12:00:00 AM
Client Sample ID:	PB155763BSD	SDG No.:	BF092523
Lab Sample ID:	PB155763BSD	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
BF135426.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

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

Client:		Date Collected:	9/13/2023 12:00:00 AM
Project:		Date Received:	9/13/2023 12:00:00 AM
Client Sample ID:	PB155524BL	SDG No.:	BF092523
Lab Sample ID:	PB155524BL	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
BF135427.D	1	9/13/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	77.2	U	77.2	270	330	ug/Kg
110-86-1	Pyridine	72.3	U	72.3	130	170	ug/Kg
100-52-7	Benzaldehyde	150	U	150	270	330	ug/Kg
62-53-3	Aniline	120	U	120	130	170	ug/Kg
108-95-2	Phenol	74.3	U	74.3	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.7	U	89.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	71.9	U	71.9	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	81.6	U	81.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	88.4	U	88.4	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	82.3	U	82.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	98.7	U	98.7	270	330	ug/Kg
95-48-7	2-Methylphenol	110	U	110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	130	170	ug/Kg
98-86-2	Acetophenone	86.6	U	86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	58.9	U	58.9	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	73.5	U	73.5	130	170	ug/Kg
98-95-3	Nitrobenzene	75.1	U	75.1	130	170	ug/Kg
78-59-1	Isophorone	68	U	68	130	170	ug/Kg
88-75-5	2-Nitrophenol	95	U	95	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	99.5	U	99.5	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	78	U	78	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	77.4	U	77.4	130	170	ug/Kg
65-85-0	Benzoic acid	210	U	210	270	330	ug/Kg
91-20-3	Naphthalene	81.3	U	81.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.9	U	83.9	130	170	ug/Kg
105-60-2	Caprolactam	120	U	120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.4	U	82.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	94.8	U	94.8	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	9/13/2023 12:00:00 AM
Project:		Date Received:	9/13/2023 12:00:00 AM
Client Sample ID:	PB155524BL	SDG No.:	BF092523
Lab Sample ID:	PB155524BL	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
BF135427.D	1	9/13/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	210	U	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77	U	77	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.8	U	87.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	91.2	U	91.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.5	U	84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	99.2	U	99.2	130	170	ug/Kg
131-11-3	Dimethylphthalate	88.8	U	88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	88.3	U	88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.9	U	89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	93.3	U	93.3	130	170	ug/Kg
83-32-9	Acenaphthene	80.2	U	80.2	130	170	ug/Kg
Total PAH	Total PAH	1436.7	U	1436.7	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	270	330	ug/Kg
132-64-9	Dibenzofuran	76.8	U	76.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.7	U	189.7	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.8	U	99.8	130	170	ug/Kg
84-66-2	Diethylphthalate	85.8	U	85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.3	U	90.3	130	170	ug/Kg
86-73-7	Fluorene	84.7	U	84.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.7	U	87.7	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.2	U	93.2	130	170	ug/Kg
103-33-3	Azobenzene	73.4	U	73.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.3	U	97.3	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.7	U	98.7	130	170	ug/Kg
1912-24-9	Atrazine	95.3	U	95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	92.6	U	92.6	130	170	ug/Kg
120-12-7	Anthracene	100	U	100	130	170	ug/Kg
86-74-8	Carbazole	84.8	U	84.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	94.3	U	94.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	9/13/2023 12:00:00 AM
Project:		Date Received:	9/13/2023 12:00:00 AM
Client Sample ID:	PB155524BL	SDG No.:	BF092523
Lab Sample ID:	PB155524BL	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
BF135427.D	1	9/13/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	270	330	ug/Kg
129-00-0	Pyrene	83.6	U	83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	83.8	U	83.8	130	170	ug/Kg
218-01-9	Chrysene	86.7	U	86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.2	U	80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88	U	88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.2	U	94.2	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.4	U	96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.4	U	92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.3	U	89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.8	U	82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.1	U	90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	133.307		18-112		89	SPK: -150
13127-88-3	Phenol-d6	133.712		15-107		89	SPK: -150
4165-60-0	Nitrobenzene-d5	94.917		18-107		95	SPK: -100
321-60-8	2-Fluorobiphenyl	88.646		20-109		89	SPK: -100
118-79-6	2,4,6-Tribromophenol	115.117		10-110		77	SPK: -150
1718-51-0	Terphenyl-d14	81.998		14-112		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	161693	6.751				
1146-65-2	Naphthalene-d8	620111	8.028				
15067-26-2	Acenaphthene-d10	294273	9.786				
1517-22-2	Phenanthrene-d10	535048	11.28				
1719-03-5	Chrysene-d12	305415	13.939				
1520-96-3	Perylene-d12	287774	15.404				



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Report of Analysis

Client:		Date Collected:	9/13/2023 12:00:00 AM
Project:		Date Received:	9/13/2023 12:00:00 AM
Client Sample ID:	PB155524BL	SDG No.:	BF092523
Lab Sample ID:	PB155524BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135427.D	1	9/13/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155524

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

Client:		Date Collected:	9/13/2023 12:00:00 AM
Project:		Date Received:	9/13/2023 12:00:00 AM
Client Sample ID:	PB155524BS	SDG No.:	BF092523
Lab Sample ID:	PB155524BS	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
BF135428.D	1	9/13/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1600		77.3	270	330	ug/Kg
110-86-1	Pyridine	1400		72.4	130	170	ug/Kg
100-52-7	Benzaldehyde	870		150	270	330	ug/Kg
62-53-3	Aniline	940		120	130	170	ug/Kg
108-95-2	Phenol	1400		74.4	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		89.8	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		72	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		81.7	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		88.5	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500		82.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1500		98.8	270	330	ug/Kg
95-48-7	2-Methylphenol	1400		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		100	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.7	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1300		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		59	80	80	ug/Kg
67-72-1	Hexachloroethane	1600		73.6	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		75.2	130	170	ug/Kg
78-59-1	Isophorone	1500		68.1	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		95.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		99.6	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		78.1	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		77.5	130	170	ug/Kg
65-85-0	Benzoic acid	1500		210	270	330	ug/Kg
91-20-3	Naphthalene	1500		81.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	720		100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		84	130	170	ug/Kg
105-60-2	Caprolactam	1500		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		82.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		94.9	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	9/13/2023 12:00:00 AM
Project:		Date Received:	9/13/2023 12:00:00 AM
Client Sample ID:	PB155524BS	SDG No.:	BF092523
Lab Sample ID:	PB155524BS	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
BF135428.D	1	9/13/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2200		210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		77.1	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		87.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		91.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		84.6	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		99.3	130	170	ug/Kg
131-11-3	Dimethylphthalate	1400		88.9	130	170	ug/Kg
208-96-8	Acenaphthylene	1500		88.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		90	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		93.4	130	170	ug/Kg
83-32-9	Acenaphthene	1500		80.3	130	170	ug/Kg
Total PAH	Total PAH	25100		1438.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2600		180	270	330	ug/Kg
100-02-7	4-Nitrophenol	2700	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1400		76.9	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		99.9	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2900		189.9	130	340	ug/Kg
84-66-2	Diethylphthalate	1400		85.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1300		90.4	130	170	ug/Kg
86-73-7	Fluorene	1400		84.8	130	170	ug/Kg
100-01-6	4-Nitroaniline	1500		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		87.8	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		93.3	130	170	ug/Kg
103-33-3	Azobenzene	1500		73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		97.4	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		98.8	130	170	ug/Kg
1912-24-9	Atrazine	1700		95.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	2300		110	270	330	ug/Kg
85-01-8	Phenanthrene	1500		92.7	130	170	ug/Kg
120-12-7	Anthracene	1500		100	130	170	ug/Kg
86-74-8	Carbazole	1600		84.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		100	130	170	ug/Kg
206-44-0	Fluoranthene	1600		94.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	9/13/2023 12:00:00 AM
Project:		Date Received:	9/13/2023 12:00:00 AM
Client Sample ID:	PB155524BS	SDG No.:	BF092523
Lab Sample ID:	PB155524BS	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
BF135428.D	1	9/13/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1800		190	270	330	ug/Kg
129-00-0	Pyrene	1500		83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		83.9	130	170	ug/Kg
218-01-9	Chrysene	1500		86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		94.3	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	1500		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	122.581		18-112		82	SPK: -150
13127-88-3	Phenol-d6	122.866		15-107		82	SPK: -150
4165-60-0	Nitrobenzene-d5	88.988		18-107		89	SPK: -100
321-60-8	2-Fluorobiphenyl	81.336		20-109		81	SPK: -100
118-79-6	2,4,6-Tribromophenol	108.348		10-110		72	SPK: -150
1718-51-0	Terphenyl-d14	78.332		14-112		78	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	179398	6.751				
1146-65-2	Naphthalene-d8	676485	8.034				
15067-26-2	Acenaphthene-d10	322291	9.792				
1517-22-2	Phenanthrene-d10	590559	11.286				
1719-03-5	Chrysene-d12	330477	13.939				
1520-96-3	Perylene-d12	280027	15.404				



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Report of Analysis

Client:		Date Collected:	9/13/2023 12:00:00 AM
Project:		Date Received:	9/13/2023 12:00:00 AM
Client Sample ID:	PB155524BS	SDG No.:	BF092523
Lab Sample ID:	PB155524BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135428.D	1	9/13/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155524

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

Client:		Date Collected:	9/20/2023 12:00:00 AM
Project:		Date Received:	9/20/2023 12:00:00 AM
Client Sample ID:	CENTRAL-M-R-HEATER	SDG No.:	BF092523
Lab Sample ID:	O4540-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980 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
BF135429.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2.1	U	2.1	8.2	10.2	ug/L
110-86-1	Pyridine	1.8	U	1.8	4.1	5.1	ug/L
100-52-7	Benzaldehyde	3.3	U	3.3	8.2	10.2	ug/L
62-53-3	Aniline	2.5	U	2.5	4.1	5.1	ug/L
108-95-2	Phenol	1.5	U	1.5	4.1	5.1	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.7	U	1.7	4.1	5.1	ug/L
95-57-8	2-Chlorophenol	1.4	U	1.4	4.1	5.1	ug/L
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	4.1	5.1	ug/L
541-73-1	1,3-Dichlorobenzene	1.8	U	1.8	4.1	5.1	ug/L
106-46-7	1,4-Dichlorobenzene	1.5	U	1.5	4.1	5.1	ug/L
100-51-6	Benzyl Alcohol	2.4	U	2.4	8.2	10.2	ug/L
95-48-7	2-Methylphenol	2.1	U	2.1	4.1	5.1	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.3	U	2.3	4.1	5.1	ug/L
98-86-2	Acetophenone	1.8	U	1.8	4.1	5.1	ug/L
65794-96-9	3+4-Methylphenols	2.2	U	2.2	8.2	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2	U	2	2.6	2.6	ug/L
67-72-1	Hexachloroethane	1.7	U	1.7	4.1	5.1	ug/L
98-95-3	Nitrobenzene	1.8	U	1.8	4.1	5.1	ug/L
78-59-1	Isophorone	1.7	U	1.7	4.1	5.1	ug/L
88-75-5	2-Nitrophenol	2.4	U	2.4	4.1	5.1	ug/L
105-67-9	2,4-Dimethylphenol	3	U	3	4.1	5.1	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2.1	U	2.1	4.1	5.1	ug/L
120-83-2	2,4-Dichlorophenol	1.7	U	1.7	4.1	5.1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.7	U	1.7	4.1	5.1	ug/L
65-85-0	Benzoic acid	6.8	U	6.8	8.2	10.2	ug/L
91-20-3	Naphthalene	1.7	U	1.7	4.1	5.1	ug/L
106-47-8	4-Chloroaniline	2.6	U	2.6	4.1	5.1	ug/L
87-68-3	Hexachlorobutadiene	2	U	2	4.1	5.1	ug/L
105-60-2	Caprolactam	3.5	U	3.5	8.2	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	1.8	U	1.8	4.1	5.1	ug/L
91-57-6	2-Methylnaphthalene	2.3	U	2.3	4.1	5.1	ug/L

Report of Analysis

Client:		Date Collected:	9/20/2023 12:00:00 AM
Project:		Date Received:	9/20/2023 12:00:00 AM
Client Sample ID:	CENTRAL-M-R-HEATER	SDG No.:	BF092523
Lab Sample ID:	O4540-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980 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
BF135429.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5.9	U	5.9	8.2	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	1.6	U	1.6	4.1	5.1	ug/L
95-95-4	2,4,5-Trichlorophenol	1.6	U	1.6	4.1	5.1	ug/L
92-52-4	1,1-Biphenyl	1.8	U	1.8	4.1	5.1	ug/L
91-58-7	2-Chloronaphthalene	1.6	U	1.6	4.1	5.1	ug/L
88-74-4	2-Nitroaniline	2.4	U	2.4	4.1	5.1	ug/L
131-11-3	Dimethylphthalate	1.9	U	1.9	4.1	5.1	ug/L
208-96-8	Acenaphthylene	2.2	U	2.2	4.1	5.1	ug/L
606-20-2	2,6-Dinitrotoluene	2.1	U	2.1	4.1	5.1	ug/L
99-09-2	3-Nitroaniline	2.4	U	2.4	4.1	5.1	ug/L
83-32-9	Acenaphthene	1.8	U	1.8	4.1	5.1	ug/L
Total PAH	Total PAH	31.5	U	31.5	4.1	81.6	ug/L
51-28-5	2,4-Dinitrophenol	5.6	U	5.6	8.2	10.2	ug/L
100-02-7	4-Nitrophenol	2.9	U	2.9	8.2	10.2	ug/L
132-64-9	Dibenzofuran	1.6	U	1.6	4.1	5.1	ug/L
121-14-2	2,4-Dinitrotoluene	2.6	U	2.6	4.1	5.1	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4.7	U	4.7	4.1	10.2	ug/L
84-66-2	Diethylphthalate	2.1	U	2.1	4.1	5.1	ug/L
7005-72-3	4-Chlorophenyl-phenylether	2.3	U	2.3	4.1	5.1	ug/L
86-73-7	Fluorene	2.1	U	2.1	4.1	5.1	ug/L
100-01-6	4-Nitroaniline	2.4	U	2.4	4.1	5.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.8	U	1.8	8.2	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	2	U	2	4.1	5.1	ug/L
103-33-3	Azobenzene	1.7	U	1.7	4.1	5.1	ug/L
101-55-3	4-Bromophenyl-phenylether	2	U	2	4.1	5.1	ug/L
118-74-1	Hexachlorobenzene	1.9	U	1.9	4.1	5.1	ug/L
1912-24-9	Atrazine	3.6	U	3.6	4.1	5.1	ug/L
87-86-5	Pentachlorophenol	2.6	U	2.6	8.2	10.2	ug/L
85-01-8	Phenanthrene	2	U	2	4.1	5.1	ug/L
120-12-7	Anthracene	2.3	U	2.3	4.1	5.1	ug/L
86-74-8	Carbazole	1.7	U	1.7	4.1	5.1	ug/L
84-74-2	Di-n-butylphthalate	2.4	U	2.4	4.1	5.1	ug/L
206-44-0	Fluoranthene	2.1	U	2.1	4.1	5.1	ug/L

Report of Analysis

Client:		Date Collected:	9/20/2023 12:00:00 AM
Project:		Date Received:	9/20/2023 12:00:00 AM
Client Sample ID:	CENTRAL-M-R-HEATER	SDG No.:	BF092523
Lab Sample ID:	O4540-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980 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
BF135429.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.7	U	6.7	8.2	10.2	ug/L
129-00-0	Pyrene	1.9	U	1.9	4.1	5.1	ug/L
85-68-7	Butylbenzylphthalate	2.9	U	2.9	4.1	5.1	ug/L
91-94-1	3,3-Dichlorobenzidine	5.5	U	5.5	8.2	10.2	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4.1	5.1	ug/L
218-01-9	Chrysene	1.6	U	1.6	4.1	5.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	3	U	3	4.1	5.1	ug/L
117-84-0	Di-n-octyl phthalate	3.2	U	3.2	8.2	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4.1	5.1	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4.1	5.1	ug/L
50-32-8	Benzo(a)pyrene	2.8	U	2.8	4.1	5.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	U	2.1	4.1	5.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4.1	5.1	ug/L
191-24-2	Benzo(g,h,i)perylene	2	U	2	4.1	5.1	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4.1	5.1	ug/L
123-91-1	1,4-Dioxane	2.5	U	2.5	4.1	5.1	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4.1	5.1	ug/L
90-12-0	1-Methylnaphthalene	2.1	U	2.1	4.1	5.1	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	63.678		10-139		42	SPK: -150
13127-88-3	Phenol-d6	41.009		10-134		27	SPK: -150
4165-60-0	Nitrobenzene-d5	93.273		49-133		93	SPK: -100
321-60-8	2-Fluorobiphenyl	85.493		52-132		85	SPK: -100
118-79-6	2,4,6-Tribromophenol	120.791		32-145		81	SPK: -150
1718-51-0	Terphenyl-d14	79.882		36-145		80	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	165625	6.751				
1146-65-2	Naphthalene-d8	639116	8.034				
15067-26-2	Acenaphthene-d10	303749	9.786				
1517-22-2	Phenanthrene-d10	541333	11.28				
1719-03-5	Chrysene-d12	263686	13.939				
1520-96-3	Perylene-d12	318432	15.404				

Report of Analysis

Client:		Date Collected:	9/20/2023 12:00:00 AM
Project:		Date Received:	9/20/2023 12:00:00 AM
Client Sample ID:	CENTRAL-M-R-HEATER	SDG No.:	BF092523
Lab Sample ID:	O4540-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980 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
BF135429.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
053005-44-0	Benzonitrile, 2-methoxy-6-methyl-	47.9	J			8.628	
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	6.7	J			9.233	
021381-61-3	4-(4,5-Dihydro-1H-imidazol-2-yl)py	10.7	J			9.516	
029878-31-7	1H-Benzotriazole, 4-methyl-	560	J			10.11	
000057-10-3	n-Hexadecanoic acid	25.5	J			11.822	
000506-17-2	cis-Vaccenic acid	7.3	J			12.527	
000057-11-4	Octadecanoic acid	40.9	J			12.61	
	unknown14.786	17.6	J			14.786	

Report of Analysis

Client:		Date Collected:	9/20/2023 12:00:00 AM
Project:		Date Received:	9/20/2023 12:00:00 AM
Client Sample ID:	TRANSCO-M-R-HEATER	SDG No.:	BF092523
Lab Sample ID:	O4540-03	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
BF135430.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

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

Report of Analysis

Client:		Date Collected:	9/20/2023 12:00:00 AM
Project:		Date Received:	9/20/2023 12:00:00 AM
Client Sample ID:	TRANSCO-M-R-HEATER	SDG No.:	BF092523
Lab Sample ID:	O4540-03	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
BF135430.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

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

Report of Analysis

Client:		Date Collected:	9/20/2023 12:00:00 AM
Project:		Date Received:	9/20/2023 12:00:00 AM
Client Sample ID:	TRANSCO-M-R-HEATER	SDG No.:	BF092523
Lab Sample ID:	O4540-03	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
BF135430.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.6	U	6.6	8	10	ug/L
129-00-0	Pyrene	1.9	U	1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.8	U	2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	5.4	U	5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4	5	ug/L
218-01-9	Chrysene	1.6	U	1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.9	U	2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	3.1	U	3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	2.7	U	2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	U	2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.9	U	1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4	5	ug/L
123-91-1	1,4-Dioxane	2.4	U	2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	2.1	U	2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	60.309		10-139		40	SPK: -150
13127-88-3	Phenol-d6	37.86		10-134		25	SPK: -150
4165-60-0	Nitrobenzene-d5	92.743		49-133		93	SPK: -100
321-60-8	2-Fluorobiphenyl	90.445		52-132		90	SPK: -100
118-79-6	2,4,6-Tribromophenol	123.174		32-145		82	SPK: -150
1718-51-0	Terphenyl-d14	85.713		36-145		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	151723	6.751				
1146-65-2	Naphthalene-d8	582537	8.034				
15067-26-2	Acenaphthene-d10	266130	9.786				
1517-22-2	Phenanthrene-d10	500467	11.28				
1719-03-5	Chrysene-d12	239714	13.939				
1520-96-3	Perylene-d12	290438	15.404				

Report of Analysis

Client:		Date Collected:	9/20/2023 12:00:00 AM
Project:		Date Received:	9/20/2023 12:00:00 AM
Client Sample ID:	TRANSCO-M-R-HEATER	SDG No.:	BF092523
Lab Sample ID:	O4540-03	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
BF135430.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
005676-58-4	2,5-Dimethylbenzoxazole	28.6	J			8.628	
053005-44-0	Benzonitrile, 2-methoxy-6-methyl-	33.6	J			8.769	
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	15.1	J			9.233	
021381-61-3	4-(4,5-Dihydro-1H-imidazol-2-yl)py	14.8	J			9.522	
029878-31-7	1H-Benzotriazole, 4-methyl-	400	J			10.133	
000057-10-3	n-Hexadecanoic acid	13.8	J			11.822	

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	FRAC-TANK-A2421	SDG No.:	BF092523
Lab Sample ID:	O4574-01	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
BF135431.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

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

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	FRAC-TANK-A2421	SDG No.:	BF092523
Lab Sample ID:	O4574-01	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
BF135431.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

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

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	FRAC-TANK-A2421	SDG No.:	BF092523
Lab Sample ID:	O4574-01	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
BF135431.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benzidine	6.6	U	6.6	8	10	ug/L
129-00-0	Pyrene	1.9	U	1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.8	U	2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	5.4	U	5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4	5	ug/L
218-01-9	Chrysene	1.6	U	1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.9	U	2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	3.1	U	3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	2.7	U	2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	U	2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.9	U	1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4	5	ug/L
123-91-1	1,4-Dioxane	2.4	U	2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	2.1	U	2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	65.373		10-139		44	SPK: -150
13127-88-3	Phenol-d6	41.865		10-134		28	SPK: -150
4165-60-0	Nitrobenzene-d5	91.485		49-133		91	SPK: -100
321-60-8	2-Fluorobiphenyl	82.977		52-132		83	SPK: -100
118-79-6	2,4,6-Tribromophenol	116.775		32-145		78	SPK: -150
1718-51-0	Terphenyl-d14	86.499		36-145		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	166433	6.751				
1146-65-2	Naphthalene-d8	652911	8.033				
15067-26-2	Acenaphthene-d10	318377	9.786				
1517-22-2	Phenanthrene-d10	567879	11.28				
1719-03-5	Chrysene-d12	255197	13.939				
1520-96-3	Perylene-d12	300842	15.398				



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

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	FRAC-TANK-A2421	SDG No.:	BF092523
Lab Sample ID:	O4574-01	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 Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135431.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
003302-10-1	Hexanoic acid, 3,5,5-trimethyl-	2.6	J			7.563	
000095-16-9	Benzothiazole	2.1	J			8.316	
000057-10-3	n-Hexadecanoic acid	13.7	J			11.816	
000057-11-4	Octadecanoic acid	4.6	J			12.604	
074685-30-6	5-Eicosene, (E)-	5.7	J			13.851	

Report of Analysis

Client:		Date Collected:	9/20/2023 12:00:00 AM
Project:		Date Received:	9/20/2023 12:00:00 AM
Client Sample ID:	EMBRIDGE-M-R-HEATER	SDG No.:	BF092523
Lab Sample ID:	O4540-02	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
BF135432.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

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

Report of Analysis

Client:		Date Collected:	9/20/2023 12:00:00 AM
Project:		Date Received:	9/20/2023 12:00:00 AM
Client Sample ID:	EMBRIDGE-M-R-HEATER	SDG No.:	BF092523
Lab Sample ID:	O4540-02	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
BF135432.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

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

Report of Analysis

Client:		Date Collected:	9/20/2023 12:00:00 AM
Project:		Date Received:	9/20/2023 12:00:00 AM
Client Sample ID:	EMBRIDGE-M-R-HEATER	SDG No.:	BF092523
Lab Sample ID:	O4540-02	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
BF135432.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.6	U	6.6	8	10	ug/L
129-00-0	Pyrene	1.9	U	1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.8	U	2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	5.4	U	5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4	5	ug/L
218-01-9	Chrysene	1.6	U	1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.9	U	2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	3.1	U	3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	2.7	U	2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	U	2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.9	U	1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4	5	ug/L
123-91-1	1,4-Dioxane	2.4	U	2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	2.1	U	2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	41.076		10-139		27	SPK: -150
13127-88-3	Phenol-d6	24.879		10-134		17	SPK: -150
4165-60-0	Nitrobenzene-d5	75.107		49-133		75	SPK: -100
321-60-8	2-Fluorobiphenyl	70.984		52-132		71	SPK: -100
118-79-6	2,4,6-Tribromophenol	92.984		32-145		62	SPK: -150
1718-51-0	Terphenyl-d14	73.354		36-145		73	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	180872	6.751				
1146-65-2	Naphthalene-d8	692769	8.033				
15067-26-2	Acenaphthene-d10	332474	9.786				
1517-22-2	Phenanthrene-d10	583238	11.28				
1719-03-5	Chrysene-d12	267063	13.939				
1520-96-3	Perylene-d12	328549	15.403				

Report of Analysis

Client:		Date Collected:	9/20/2023 12:00:00 AM
Project:		Date Received:	9/20/2023 12:00:00 AM
Client Sample ID:	EMBRIDGE-M-R-HEATER	SDG No.:	BF092523
Lab Sample ID:	O4540-02	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
BF135432.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155763

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
005676-58-4	2,5-Dimethylbenzoxazole	12.7	J			8.627	
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	17.8	J			9.233	
000061-70-1	2-Indolinone, 1-methyl-	17.7	J			9.522	
029878-31-7	1H-Benzotriazole, 4-methyl-	650	J			10.133	
000057-10-3	n-Hexadecanoic acid	7.8	J			11.816	

Report of Analysis

Client:		Date Collected:	9/22/2023 12:00:00 AM
Project:		Date Received:	9/22/2023 12:00:00 AM
Client Sample ID:	EO-02-092223	SDG No.:	BF092523
Lab Sample ID:	O4582-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135433.D	2	9/25/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155781

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	100	U	100	360	430	ug/Kg
110-86-1	Pyridine	95.3	U	95.3	170	220	ug/Kg
100-52-7	Benzaldehyde	190	U	190	360	430	ug/Kg
62-53-3	Aniline	150	U	150	170	220	ug/Kg
108-95-2	Phenol	97.9	U	97.9	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	170	220	ug/Kg
95-57-8	2-Chlorophenol	94.8	U	94.8	170	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	170	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	U	120	170	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	170	220	ug/Kg
100-51-6	Benzyl Alcohol	130	U	130	360	430	ug/Kg
95-48-7	2-Methylphenol	150	U	150	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	140	170	220	ug/Kg
98-86-2	Acetophenone	110	U	110	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	140	U	140	360	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	77.7	U	77.7	110	110	ug/Kg
67-72-1	Hexachloroethane	96.9	U	96.9	170	220	ug/Kg
98-95-3	Nitrobenzene	99	U	99	170	220	ug/Kg
78-59-1	Isophorone	89.6	U	89.6	170	220	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	150	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	100	170	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	100	U	100	170	220	ug/Kg
65-85-0	Benzoic acid	280	U	280	360	430	ug/Kg
91-20-3	Naphthalene	110	U	110	170	220	ug/Kg
106-47-8	4-Chloroaniline	140	U	140	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	170	220	ug/Kg
105-60-2	Caprolactam	150	U	150	360	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	120	U	120	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	9/22/2023 12:00:00 AM
Project:		Date Received:	9/22/2023 12:00:00 AM
Client Sample ID:	EO-02-092223	SDG No.:	BF092523
Lab Sample ID:	O4582-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135433.D	2	9/25/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155781

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	280	U	280	360	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	100	U	100	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	120	U	120	170	220	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	170	220	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	170	220	ug/Kg
131-11-3	Dimethylphthalate	120	U	120	170	220	ug/Kg
208-96-8	Acenaphthylene	120	U	120	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	U	120	170	220	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	170	220	ug/Kg
83-32-9	Acenaphthene	110	U	110	170	220	ug/Kg
Total PAH	Total PAH	1890	U	1890	170	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	360	430	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	360	430	ug/Kg
132-64-9	Dibenzofuran	100	U	100	170	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	250	U	250	170	440	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	130	170	220	ug/Kg
84-66-2	Diethylphthalate	110	U	110	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	170	220	ug/Kg
86-73-7	Fluorene	110	U	110	170	220	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	360	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	120	U	120	170	220	ug/Kg
103-33-3	Azobenzene	96.7	U	96.7	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	130	U	130	170	220	ug/Kg
118-74-1	Hexachlorobenzene	130	U	130	170	220	ug/Kg
1912-24-9	Atrazine	130	U	130	170	220	ug/Kg
87-86-5	Pentachlorophenol	150	U	150	360	430	ug/Kg
85-01-8	Phenanthrene	180	J	120	170	220	ug/Kg
120-12-7	Anthracene	130	U	130	170	220	ug/Kg
86-74-8	Carbazole	110	U	110	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	140	170	220	ug/Kg
206-44-0	Fluoranthene	310		120	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	9/22/2023 12:00:00 AM
Project:		Date Received:	9/22/2023 12:00:00 AM
Client Sample ID:	EO-02-092223	SDG No.:	BF092523
Lab Sample ID:	O4582-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135433.D	2	9/25/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155781

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	250	U	250	360	430	ug/Kg
129-00-0	Pyrene	310		110	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	140	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	210	U	210	360	430	ug/Kg
56-55-3	Benzo(a)anthracene	180	J	110	170	220	ug/Kg
218-01-9	Chrysene	190	J	110	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	150	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	160	U	160	360	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	230		110	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	U	120	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	190	J	120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	140	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	U	130	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	120	U	120	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	170	220	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	U	110	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	144.094		18-112		96	SPK: -150
13127-88-3	Phenol-d6	146.902		15-107		98	SPK: -150
4165-60-0	Nitrobenzene-d5	93.17		18-107		93	SPK: -100
321-60-8	2-Fluorobiphenyl	108.648		20-109		109	SPK: -100
118-79-6	2,4,6-Tribromophenol	113.69		10-110		76	SPK: -150
1718-51-0	Terphenyl-d14	77.614		14-112		78	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	126933	6.751				
1146-65-2	Naphthalene-d8	482609	8.034				
15067-26-2	Acenaphthene-d10	203357	9.786				
1517-22-2	Phenanthrene-d10	311181	11.28				
1719-03-5	Chrysene-d12	228319	13.939				
1520-96-3	Perylene-d12	194631	15.404				

Report of Analysis

Client:		Date Collected:	9/22/2023 12:00:00 AM
Project:		Date Received:	9/22/2023 12:00:00 AM
Client Sample ID:	EO-02-092223	SDG No.:	BF092523
Lab Sample ID:	O4582-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135433.D	2	9/25/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155781

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000544-76-3	Hexadecane	110	J			8.622	
017302-32-8	Nonane, 3,7-dimethyl-	110	J			9.051	
000629-59-4	Tetradecane	250	J			9.192	
1000382-54-5	Carbonic acid, tetradecyl vinyl es	210	J			9.51	
004292-19-7	Dodecane, 1-iodo-	250	J			9.722	
017312-63-9	Nonane, 5-butyl-	150	J			10.045	
1000309-20-2	Sulfurous acid, 2-ethylhexyl hexyl	320	J			10.222	
017301-22-3	Undecane, 2,5-dimethyl-	220	J			10.445	
000629-50-5	Tridecane	620	J			10.698	
000629-92-5	Nonadecane	310	J			11.145	
054833-48-6	Heptadecane, 2,6,10,15-tetramethyl	250	J			11.175	
000646-31-1	Tetracosane	260	J			11.575	
000057-10-3	n-Hexadecanoic acid	960	J			11.816	
083469-43-6	6H-Cyclobuta[jk]phenanthrene	180	J			11.898	
000629-62-9	Pentadecane	230	J			11.986	
002789-88-0	di-p-Tolylacetylene	110	J			12.339	
000593-45-3	Octadecane	270	J			12.374	
000057-11-4	Octadecanoic acid	340	J			12.61	
021164-95-4	Hexadecane, 7,9-dimethyl-	130	J			13.11	
	unknown13.369	140	J			13.369	

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	SE-SOIL-5	SDG No.:	BF092523
Lab Sample ID:	O4567-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.3
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135434.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	87.8	U	87.8	310	380	ug/Kg
110-86-1	Pyridine	82.3	U	82.3	150	190	ug/Kg
100-52-7	Benzaldehyde	170	U	170	310	380	ug/Kg
62-53-3	Aniline	130	U	130	150	190	ug/Kg
108-95-2	Phenol	84.6	U	84.6	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	190	ug/Kg
95-57-8	2-Chlorophenol	81.8	U	81.8	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	92.8	U	92.8	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	93.6	U	93.6	150	190	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	310	380	ug/Kg
95-48-7	2-Methylphenol	130	U	130	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	190	ug/Kg
98-86-2	Acetophenone	98.5	U	98.5	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	67.1	U	67.1	90.9	90.9	ug/Kg
67-72-1	Hexachloroethane	83.6	U	83.6	150	190	ug/Kg
98-95-3	Nitrobenzene	85.5	U	85.5	150	190	ug/Kg
78-59-1	Isophorone	77.4	U	77.4	150	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	88.8	U	88.8	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	88.1	U	88.1	150	190	ug/Kg
65-85-0	Benzoic acid	240	U	240	310	380	ug/Kg
91-20-3	Naphthalene	92.5	U	92.5	150	190	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	95.5	U	95.5	150	190	ug/Kg
105-60-2	Caprolactam	130	U	130	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	93.8	U	93.8	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	SE-SOIL-5	SDG No.:	BF092523
Lab Sample ID:	O4567-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.3
Sample Wt/Vol:	30.1 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
BF135434.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	240	U	240	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	87.6	U	87.6	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	99.9	U	99.9	150	190	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	96.1	U	96.1	150	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	190	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	150	190	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	150	190	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	190	ug/Kg
83-32-9	Acenaphthene	91.3	U	91.3	150	190	ug/Kg
Total PAH	Total PAH	1650.5	U	1650.5	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	310	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	380	ug/Kg
132-64-9	Dibenzofuran	87.4	U	87.4	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	150	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	150	190	ug/Kg
84-66-2	Diethylphthalate	97.6	U	97.6	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	190	ug/Kg
86-73-7	Fluorene	96.4	U	96.4	150	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	99.8	U	99.8	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	190	ug/Kg
103-33-3	Azobenzene	83.5	U	83.5	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	190	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	150	190	ug/Kg
1912-24-9	Atrazine	110	U	110	150	190	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	310	380	ug/Kg
85-01-8	Phenanthrene	110	U	110	150	190	ug/Kg
120-12-7	Anthracene	120	U	120	150	190	ug/Kg
86-74-8	Carbazole	96.5	U	96.5	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	190	ug/Kg
206-44-0	Fluoranthene	110	U	110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	SE-SOIL-5	SDG No.:	BF092523
Lab Sample ID:	O4567-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.3
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135434.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benzidine	220	U	220	310	380	ug/Kg
129-00-0	Pyrene	95.1	U	95.1	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	95.3	U	95.3	150	190	ug/Kg
218-01-9	Chrysene	98.6	U	98.6	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	91.3	U	91.3	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	190	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	94.2	U	94.2	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	90.574		18-112		60	SPK: -150
13127-88-3	Phenol-d6	90.135		15-107		60	SPK: -150
4165-60-0	Nitrobenzene-d5	61.472		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	58.545		20-109		59	SPK: -100
118-79-6	2,4,6-Tribromophenol	68.24		10-110		45	SPK: -150
1718-51-0	Terphenyl-d14	39.003		14-112		39	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	163490	6.751				
1146-65-2	Naphthalene-d8	608793	8.033				
15067-26-2	Acenaphthene-d10	265216	9.786				
1517-22-2	Phenanthrene-d10	394726	11.28				
1719-03-5	Chrysene-d12	285158	13.939				
1520-96-3	Perylene-d12	263359	15.404				



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Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	SE-SOIL-5	SDG No.:	BF092523
Lab Sample ID:	O4567-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.3
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135434.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	77.7	J			6.592	
000057-10-3	n-Hexadecanoic acid	250	J			11.816	
000295-65-8	Cyclohexadecane	150	J			13.863	

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	SE-SOIL-6	SDG No.:	BF092523
Lab Sample ID:	O4567-12	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.9
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135435.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	88.6	U	88.6	310	380	ug/Kg
110-86-1	Pyridine	83	U	83	150	190	ug/Kg
100-52-7	Benzaldehyde	170	U	170	310	380	ug/Kg
62-53-3	Aniline	130	U	130	150	190	ug/Kg
108-95-2	Phenol	85.3	U	85.3	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	190	ug/Kg
95-57-8	2-Chlorophenol	82.6	U	82.6	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	93.7	U	93.7	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	94.5	U	94.5	150	190	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	310	380	ug/Kg
95-48-7	2-Methylphenol	130	U	130	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	190	ug/Kg
98-86-2	Acetophenone	99.4	U	99.4	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	67.6	U	67.6	91.7	91.7	ug/Kg
67-72-1	Hexachloroethane	84.4	U	84.4	150	190	ug/Kg
98-95-3	Nitrobenzene	86.2	U	86.2	150	190	ug/Kg
78-59-1	Isophorone	78.1	U	78.1	150	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	89.5	U	89.5	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	88.9	U	88.9	150	190	ug/Kg
65-85-0	Benzoic acid	250	U	250	310	380	ug/Kg
91-20-3	Naphthalene	93.3	U	93.3	150	190	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	96.3	U	96.3	150	190	ug/Kg
105-60-2	Caprolactam	130	U	130	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	94.6	U	94.6	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	SE-SOIL-6	SDG No.:	BF092523
Lab Sample ID:	O4567-12	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.9
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135435.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	240	U	240	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	88.4	U	88.4	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	150	190	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	97	U	97	150	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	190	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	150	190	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	150	190	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	190	ug/Kg
83-32-9	Acenaphthene	92.1	U	92.1	150	190	ug/Kg
Total PAH	Total PAH	1656.4	U	1656.4	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	310	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	380	ug/Kg
132-64-9	Dibenzofuran	88.2	U	88.2	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	150	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	150	190	ug/Kg
84-66-2	Diethylphthalate	98.5	U	98.5	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	190	ug/Kg
86-73-7	Fluorene	97.2	U	97.2	150	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	190	ug/Kg
103-33-3	Azobenzene	84.3	U	84.3	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	190	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	150	190	ug/Kg
1912-24-9	Atrazine	110	U	110	150	190	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	310	380	ug/Kg
85-01-8	Phenanthrene	110	U	110	150	190	ug/Kg
120-12-7	Anthracene	120	U	120	150	190	ug/Kg
86-74-8	Carbazole	97.3	U	97.3	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	190	ug/Kg
206-44-0	Fluoranthene	110	U	110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	SE-SOIL-6	SDG No.:	BF092523
Lab Sample ID:	O4567-12	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.9
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135435.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benzidine	220	U	220	310	380	ug/Kg
129-00-0	Pyrene	96	U	96	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	96.2	U	96.2	150	190	ug/Kg
218-01-9	Chrysene	99.5	U	99.5	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	92.1	U	92.1	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	190	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	95.1	U	95.1	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	63.814		18-112		43	SPK: -150
13127-88-3	Phenol-d6	63.307		15-107		42	SPK: -150
4165-60-0	Nitrobenzene-d5	43.487		18-107		43	SPK: -100
321-60-8	2-Fluorobiphenyl	46.265		20-109		46	SPK: -100
118-79-6	2,4,6-Tribromophenol	47.073		10-110		31	SPK: -150
1718-51-0	Terphenyl-d14	31.301		14-112		31	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	168908	6.751				
1146-65-2	Naphthalene-d8	618658	8.033				
15067-26-2	Acenaphthene-d10	274805	9.786				
1517-22-2	Phenanthrene-d10	415335	11.28				
1719-03-5	Chrysene-d12	295729	13.939				
1520-96-3	Perylene-d12	279836	15.404				



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Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	SE-SOIL-6	SDG No.:	BF092523
Lab Sample ID:	O4567-12	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.9
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135435.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	160	J			11.816	
1000108-92-4	Farnesol isomer a	140	J			14.786	

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	SE-SOIL-1	SDG No.:	BF092523
Lab Sample ID:	O4567-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14
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
BF135436.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	89.9	U	89.9	310	380	ug/Kg
110-86-1	Pyridine	84.2	U	84.2	150	200	ug/Kg
100-52-7	Benzaldehyde	170	U	170	310	380	ug/Kg
62-53-3	Aniline	140	U	140	150	200	ug/Kg
108-95-2	Phenol	86.5	U	86.5	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	200	ug/Kg
95-57-8	2-Chlorophenol	83.7	U	83.7	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	95	U	95	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	95.8	U	95.8	150	200	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	310	380	ug/Kg
95-48-7	2-Methylphenol	130	U	130	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	68.6	U	68.6	93	93	ug/Kg
67-72-1	Hexachloroethane	85.6	U	85.6	150	200	ug/Kg
98-95-3	Nitrobenzene	87.4	U	87.4	150	200	ug/Kg
78-59-1	Isophorone	79.2	U	79.2	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	90.8	U	90.8	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	90.1	U	90.1	150	200	ug/Kg
65-85-0	Benzoic acid	250	U	250	310	380	ug/Kg
91-20-3	Naphthalene	94.6	U	94.6	150	200	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	97.6	U	97.6	150	200	ug/Kg
105-60-2	Caprolactam	140	U	140	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	95.9	U	95.9	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	SE-SOIL-1	SDG No.:	BF092523
Lab Sample ID:	O4567-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14
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
BF135436.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	240	U	240	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	89.6	U	89.6	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	150	200	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	98.3	U	98.3	150	200	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	150	200	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	150	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	200	ug/Kg
83-32-9	Acenaphthene	93.3	U	93.3	150	200	ug/Kg
Total PAH	Total PAH	1664.6	U	1664.6	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	310	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	380	ug/Kg
132-64-9	Dibenzofuran	89.4	U	89.4	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	150	200	ug/Kg
84-66-2	Diethylphthalate	99.9	U	99.9	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	150	200	ug/Kg
86-73-7	Fluorene	98.6	U	98.6	150	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	200	ug/Kg
103-33-3	Azobenzene	85.4	U	85.4	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	200	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	310	380	ug/Kg
85-01-8	Phenanthrene	110	U	110	150	200	ug/Kg
120-12-7	Anthracene	120	U	120	150	200	ug/Kg
86-74-8	Carbazole	98.7	U	98.7	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	200	ug/Kg
206-44-0	Fluoranthene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	SE-SOIL-1	SDG No.:	BF092523
Lab Sample ID:	O4567-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14
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
BF135436.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	220	U	220	310	380	ug/Kg
129-00-0	Pyrene	97.3	U	97.3	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	97.5	U	97.5	150	200	ug/Kg
218-01-9	Chrysene	100	U	100	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	93.3	U	93.3	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	200	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	96.4	U	96.4	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	92.004		18-112		61	SPK: -150
13127-88-3	Phenol-d6	92.682		15-107		62	SPK: -150
4165-60-0	Nitrobenzene-d5	63.564		18-107		64	SPK: -100
321-60-8	2-Fluorobiphenyl	64.115		20-109		64	SPK: -100
118-79-6	2,4,6-Tribromophenol	68.951		10-110		46	SPK: -150
1718-51-0	Terphenyl-d14	42.773		14-112		43	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	160659	6.751				
1146-65-2	Naphthalene-d8	593956	8.033				
15067-26-2	Acenaphthene-d10	267263	9.786				
1517-22-2	Phenanthrene-d10	393701	11.28				
1719-03-5	Chrysene-d12	274769	13.939				
1520-96-3	Perylene-d12	255981	15.403				



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Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	SE-SOIL-1	SDG No.:	BF092523
Lab Sample ID:	O4567-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14
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
BF135436.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	400	J			11.815	
000057-11-4	Octadecanoic acid	91.8	J			12.604	
007683-64-9	Supraene	320	J			14.786	

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	SE-SOIL-2	SDG No.:	BF092523
Lab Sample ID:	O4567-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.6
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
BF135437.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	92.6	U	92.6	320	400	ug/Kg
110-86-1	Pyridine	86.7	U	86.7	160	200	ug/Kg
100-52-7	Benzaldehyde	180	U	180	320	400	ug/Kg
62-53-3	Aniline	140	U	140	160	200	ug/Kg
108-95-2	Phenol	89.1	U	89.1	160	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	160	200	ug/Kg
95-57-8	2-Chlorophenol	86.2	U	86.2	160	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	97.9	U	97.9	160	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	98.7	U	98.7	160	200	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	320	400	ug/Kg
95-48-7	2-Methylphenol	140	U	140	160	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	160	200	ug/Kg
98-86-2	Acetophenone	100	U	100	160	200	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	320	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	70.7	U	70.7	95.8	95.8	ug/Kg
67-72-1	Hexachloroethane	88.2	U	88.2	160	200	ug/Kg
98-95-3	Nitrobenzene	90.1	U	90.1	160	200	ug/Kg
78-59-1	Isophorone	81.6	U	81.6	160	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	160	200	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	160	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	160	200	ug/Kg
120-83-2	2,4-Dichlorophenol	93.6	U	93.6	160	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	92.8	U	92.8	160	200	ug/Kg
65-85-0	Benzoic acid	260	U	260	320	400	ug/Kg
91-20-3	Naphthalene	97.5	U	97.5	160	200	ug/Kg
106-47-8	4-Chloroaniline	130	U	130	160	200	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	200	ug/Kg
105-60-2	Caprolactam	140	U	140	320	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	98.8	U	98.8	160	200	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	160	200	ug/Kg

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	SE-SOIL-2	SDG No.:	BF092523
Lab Sample ID:	O4567-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.6
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
BF135437.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	250	U	250	320	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	92.4	U	92.4	160	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	160	200	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	200	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	200	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	200	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	160	200	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	160	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	200	ug/Kg
83-32-9	Acenaphthene	96.2	U	96.2	160	200	ug/Kg
Total PAH	Total PAH	1719.9	U	1719.9	160	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	220	U	220	320	400	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	320	400	ug/Kg
132-64-9	Dibenzofuran	92.1	U	92.1	160	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	160	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	160	200	ug/Kg
84-66-2	Diethylphthalate	100	U	100	160	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	200	ug/Kg
86-73-7	Fluorene	100	U	100	160	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	160	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	320	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	160	200	ug/Kg
103-33-3	Azobenzene	88	U	88	160	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	160	200	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	160	200	ug/Kg
1912-24-9	Atrazine	110	U	110	160	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	320	400	ug/Kg
85-01-8	Phenanthrene	110	U	110	160	200	ug/Kg
120-12-7	Anthracene	120	U	120	160	200	ug/Kg
86-74-8	Carbazole	100	U	100	160	200	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	160	200	ug/Kg
206-44-0	Fluoranthene	110	U	110	160	200	ug/Kg

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	SE-SOIL-2	SDG No.:	BF092523
Lab Sample ID:	O4567-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.6
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135437.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	230	U	230	320	400	ug/Kg
129-00-0	Pyrene	100	U	100	160	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	320	400	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	160	200	ug/Kg
218-01-9	Chrysene	100	U	100	160	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	160	200	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	320	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	96.2	U	96.2	160	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	160	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	160	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	130	160	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	160	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	160	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	200	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	160	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	99.3	U	99.3	160	200	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.339		18-112		56	SPK: -150
13127-88-3	Phenol-d6	84.82		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	58.5		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	56.337		20-109		56	SPK: -100
118-79-6	2,4,6-Tribromophenol	63.837		10-110		43	SPK: -150
1718-51-0	Terphenyl-d14	38.836		14-112		39	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	170898	6.751				
1146-65-2	Naphthalene-d8	635494	8.034				
15067-26-2	Acenaphthene-d10	292226	9.786				
1517-22-2	Phenanthrene-d10	428464	11.28				
1719-03-5	Chrysene-d12	302703	13.939				
1520-96-3	Perylene-d12	285845	15.404				



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Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	SE-SOIL-2	SDG No.:	BF092523
Lab Sample ID:	O4567-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.6
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
BF135437.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	270	J			11.816	
000506-51-4	n-Tetracosanol-1	190	J			13.863	

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	SE-SOIL-3	SDG No.:	BF092523
Lab Sample ID:	O4567-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.1
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135438.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	91.9	U	91.9	320	390	ug/Kg
110-86-1	Pyridine	86.1	U	86.1	150	200	ug/Kg
100-52-7	Benzaldehyde	180	U	180	320	390	ug/Kg
62-53-3	Aniline	140	U	140	150	200	ug/Kg
108-95-2	Phenol	88.4	U	88.4	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	150	200	ug/Kg
95-57-8	2-Chlorophenol	85.6	U	85.6	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	97.1	U	97.1	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	98	U	98	150	200	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	320	390	ug/Kg
95-48-7	2-Methylphenol	140	U	140	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	70.1	U	70.1	95.1	95.1	ug/Kg
67-72-1	Hexachloroethane	87.5	U	87.5	150	200	ug/Kg
98-95-3	Nitrobenzene	89.4	U	89.4	150	200	ug/Kg
78-59-1	Isophorone	81	U	81	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	92.8	U	92.8	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	92.1	U	92.1	150	200	ug/Kg
65-85-0	Benzoic acid	250	U	250	320	390	ug/Kg
91-20-3	Naphthalene	96.8	U	96.8	150	200	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	99.9	U	99.9	150	200	ug/Kg
105-60-2	Caprolactam	140	U	140	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	98.1	U	98.1	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	SE-SOIL-3	SDG No.:	BF092523
Lab Sample ID:	O4567-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.1
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135438.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	250	U	250	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	91.7	U	91.7	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	150	200	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	150	200	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	150	200	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	150	200	ug/Kg
208-96-8	Acenaphthylene	110	U	110	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	150	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	200	ug/Kg
83-32-9	Acenaphthene	95.5	U	95.5	150	200	ug/Kg
Total PAH	Total PAH	1697	U	1697	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	320	390	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	320	390	ug/Kg
132-64-9	Dibenzofuran	91.4	U	91.4	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	150	400	ug/Kg
84-66-2	Diethylphthalate	100	U	100	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	150	200	ug/Kg
86-73-7	Fluorene	100	U	100	150	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	200	ug/Kg
103-33-3	Azobenzene	87.4	U	87.4	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	150	200	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	320	390	ug/Kg
85-01-8	Phenanthrene	110	U	110	150	200	ug/Kg
120-12-7	Anthracene	120	U	120	150	200	ug/Kg
86-74-8	Carbazole	100	U	100	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	200	ug/Kg
206-44-0	Fluoranthene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	SE-SOIL-3	SDG No.:	BF092523
Lab Sample ID:	O4567-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.1
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135438.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	230	U	230	320	390	ug/Kg
129-00-0	Pyrene	99.5	U	99.5	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	99.7	U	99.7	150	200	ug/Kg
218-01-9	Chrysene	100	U	100	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	95.5	U	95.5	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	130	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	150	200	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	98.5	U	98.5	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	86.235		18-112		57	SPK: -150
13127-88-3	Phenol-d6	86.343		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	57.951		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	57.558		20-109		58	SPK: -100
118-79-6	2,4,6-Tribromophenol	63.066		10-110		42	SPK: -150
1718-51-0	Terphenyl-d14	38.373		14-112		38	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	155822	6.751				
1146-65-2	Naphthalene-d8	587285	8.034				
15067-26-2	Acenaphthene-d10	262314	9.786				
1517-22-2	Phenanthrene-d10	387337	11.28				
1719-03-5	Chrysene-d12	282844	13.939				
1520-96-3	Perylene-d12	266791	15.404				



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Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	SE-SOIL-3	SDG No.:	BF092523
Lab Sample ID:	O4567-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.1
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135438.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	140	J			11.816	
000112-92-5	1-Octadecanol	120	J			13.874	

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	SE-SOIL-4	SDG No.:	BF092523
Lab Sample ID:	O4567-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.2
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135439.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	84.1	U	84.1	290	360	ug/Kg
110-86-1	Pyridine	78.7	U	78.7	140	180	ug/Kg
100-52-7	Benzaldehyde	160	U	160	290	360	ug/Kg
62-53-3	Aniline	130	U	130	140	180	ug/Kg
108-95-2	Phenol	80.9	U	80.9	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	97.7	U	97.7	140	180	ug/Kg
95-57-8	2-Chlorophenol	78.3	U	78.3	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	88.8	U	88.8	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	96.2	U	96.2	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	89.6	U	89.6	140	180	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	290	360	ug/Kg
95-48-7	2-Methylphenol	120	U	120	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	140	180	ug/Kg
98-86-2	Acetophenone	94.3	U	94.3	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	64.2	U	64.2	87	87	ug/Kg
67-72-1	Hexachloroethane	80	U	80	140	180	ug/Kg
98-95-3	Nitrobenzene	81.8	U	81.8	140	180	ug/Kg
78-59-1	Isophorone	74.1	U	74.1	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	84.9	U	84.9	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	84.3	U	84.3	140	180	ug/Kg
65-85-0	Benzoic acid	230	U	230	290	360	ug/Kg
91-20-3	Naphthalene	88.5	U	88.5	140	180	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	91.4	U	91.4	140	180	ug/Kg
105-60-2	Caprolactam	130	U	130	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	89.7	U	89.7	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	SE-SOIL-4	SDG No.:	BF092523
Lab Sample ID:	O4567-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135439.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	230	U	230	290	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	83.8	U	83.8	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	95.6	U	95.6	140	180	ug/Kg
92-52-4	1,1-Biphenyl	99.3	U	99.3	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	92	U	92	140	180	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	180	ug/Kg
131-11-3	Dimethylphthalate	96.7	U	96.7	140	180	ug/Kg
208-96-8	Acenaphthylene	96.1	U	96.1	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	97.9	U	97.9	140	180	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	140	180	ug/Kg
83-32-9	Acenaphthene	87.3	U	87.3	140	180	ug/Kg
Total PAH	Total PAH	1553.8	U	1553.8	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	290	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	360	ug/Kg
132-64-9	Dibenzofuran	83.6	U	83.6	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	207.9	U	207.9	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	140	180	ug/Kg
84-66-2	Diethylphthalate	93.4	U	93.4	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	98.3	U	98.3	140	180	ug/Kg
86-73-7	Fluorene	92.2	U	92.2	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	95.5	U	95.5	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	140	180	ug/Kg
103-33-3	Azobenzene	79.9	U	79.9	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	140	180	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	140	180	ug/Kg
1912-24-9	Atrazine	100	U	100	140	180	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	290	360	ug/Kg
85-01-8	Phenanthrene	100	U	100	140	180	ug/Kg
120-12-7	Anthracene	110	U	110	140	180	ug/Kg
86-74-8	Carbazole	92.3	U	92.3	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	140	180	ug/Kg
206-44-0	Fluoranthene	100	U	100	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	SE-SOIL-4	SDG No.:	BF092523
Lab Sample ID:	O4567-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.2
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135439.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	210	U	210	290	360	ug/Kg
129-00-0	Pyrene	91	U	91	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	91.2	U	91.2	140	180	ug/Kg
218-01-9	Chrysene	94.4	U	94.4	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	87.3	U	87.3	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	95.8	U	95.8	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	97.2	U	97.2	140	180	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	90.2	U	90.2	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	98.1	U	98.1	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	92.42		18-112		62	SPK: -150
13127-88-3	Phenol-d6	92.668		15-107		62	SPK: -150
4165-60-0	Nitrobenzene-d5	62.715		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	65.209		20-109		65	SPK: -100
118-79-6	2,4,6-Tribromophenol	72.324		10-110		48	SPK: -150
1718-51-0	Terphenyl-d14	45.035		14-112		45	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	158063	6.751				
1146-65-2	Naphthalene-d8	591036	8.033				
15067-26-2	Acenaphthene-d10	259617	9.786				
1517-22-2	Phenanthrene-d10	392131	11.28				
1719-03-5	Chrysene-d12	277418	13.939				
1520-96-3	Perylene-d12	267861	15.403				



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Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	SE-SOIL-4	SDG No.:	BF092523
Lab Sample ID:	O4567-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.2
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135439.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	240	J			11.816	
000057-11-4	Octadecanoic acid	78.3	J			12.604	
959261-23-5	Heptafluorobutyric acid, pentadecy	160	J			13.868	
007098-22-8	Tetratetracontane	80.5	J			15.868	

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	ETGI-367	SDG No.:	BF092523
Lab Sample ID:	O4569-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.7
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135440.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	55.6	U	55.6	190	240	ug/Kg
110-86-1	Pyridine	52.1	U	52.1	93.5	120	ug/Kg
100-52-7	Benzaldehyde	110	U	110	190	240	ug/Kg
62-53-3	Aniline	84.2	U	84.2	93.5	120	ug/Kg
108-95-2	Phenol	53.5	U	53.5	93.5	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	64.6	U	64.6	93.5	120	ug/Kg
95-57-8	2-Chlorophenol	51.8	U	51.8	93.5	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	58.8	U	58.8	93.5	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	63.7	U	63.7	93.5	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	59.3	U	59.3	93.5	120	ug/Kg
100-51-6	Benzyl Alcohol	71.1	U	71.1	190	240	ug/Kg
95-48-7	2-Methylphenol	82	U	82	93.5	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	75.5	U	75.5	93.5	120	ug/Kg
98-86-2	Acetophenone	62.4	U	62.4	93.5	120	ug/Kg
65794-96-9	3+4-Methylphenols	77.7	U	77.7	190	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.4	U	42.4	57.5	57.5	ug/Kg
67-72-1	Hexachloroethane	52.9	U	52.9	93.5	120	ug/Kg
98-95-3	Nitrobenzene	54.1	U	54.1	93.5	120	ug/Kg
78-59-1	Isophorone	49	U	49	93.5	120	ug/Kg
88-75-5	2-Nitrophenol	68.4	U	68.4	93.5	120	ug/Kg
105-67-9	2,4-Dimethylphenol	71.6	U	71.6	93.5	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	80.6	U	80.6	93.5	120	ug/Kg
120-83-2	2,4-Dichlorophenol	56.2	U	56.2	93.5	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	55.7	U	55.7	93.5	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	190	240	ug/Kg
91-20-3	Naphthalene	58.5	U	58.5	93.5	120	ug/Kg
106-47-8	4-Chloroaniline	75.5	U	75.5	93.5	120	ug/Kg
87-68-3	Hexachlorobutadiene	60.4	U	60.4	93.5	120	ug/Kg
105-60-2	Caprolactam	84.2	U	84.2	190	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	59.3	U	59.3	93.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	68.3	U	68.3	93.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	ETGI-367	SDG No.:	BF092523
Lab Sample ID:	O4569-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.7
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135440.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	150	U	150	190	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	55.5	U	55.5	93.5	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	63.2	U	63.2	93.5	120	ug/Kg
92-52-4	1,1-Biphenyl	65.7	U	65.7	93.5	120	ug/Kg
91-58-7	2-Chloronaphthalene	60.9	U	60.9	93.5	120	ug/Kg
88-74-4	2-Nitroaniline	71.4	U	71.4	93.5	120	ug/Kg
131-11-3	Dimethylphthalate	63.9	U	63.9	93.5	120	ug/Kg
208-96-8	Acenaphthylene	63.6	U	63.6	93.5	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	64.7	U	64.7	93.5	120	ug/Kg
99-09-2	3-Nitroaniline	67.2	U	67.2	93.5	120	ug/Kg
83-32-9	Acenaphthene	57.8	U	57.8	93.5	120	ug/Kg
Total PAH	Total PAH	6623.9	U	1033.7	93.5	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	190	240	ug/Kg
100-02-7	4-Nitrophenol	82	U	82	190	240	ug/Kg
132-64-9	Dibenzofuran	55.3	U	55.3	93.5	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	71.9	U	71.9	93.5	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	36.6	U	136.6	93.5	240	ug/Kg
84-66-2	Diethylphthalate	61.8	U	61.8	93.5	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	65	U	65	93.5	120	ug/Kg
86-73-7	Fluorene	61	U	61	93.5	120	ug/Kg
100-01-6	4-Nitroaniline	74.8	U	74.8	93.5	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	63.2	U	63.2	190	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	67.1	U	67.1	93.5	120	ug/Kg
103-33-3	Azobenzene	52.9	U	52.9	93.5	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	70.1	U	70.1	93.5	120	ug/Kg
118-74-1	Hexachlorobenzene	71.1	U	71.1	93.5	120	ug/Kg
1912-24-9	Atrazine	68.6	U	68.6	93.5	120	ug/Kg
87-86-5	Pentachlorophenol	79.8	U	79.8	190	240	ug/Kg
85-01-8	Phenanthrene	770		66.7	93.5	120	ug/Kg
120-12-7	Anthracene	120		73.4	93.5	120	ug/Kg
86-74-8	Carbazole	61.1	U	61.1	93.5	120	ug/Kg
84-74-2	Di-n-butylphthalate	74.8	U	74.8	93.5	120	ug/Kg
206-44-0	Fluoranthene	1300		67.9	93.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	ETGI-367	SDG No.:	BF092523
Lab Sample ID:	O4569-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.7
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135440.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	140	U	140	190	240	ug/Kg
129-00-0	Pyrene	840		60.2	93.5	120	ug/Kg
85-68-7	Butylbenzylphthalate	74.1	U	74.1	93.5	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	190	240	ug/Kg
56-55-3	Benzo(a)anthracene	630		60.3	93.5	120	ug/Kg
218-01-9	Chrysene	670		62.4	93.5	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	82.8	J	82.7	93.5	120	ug/Kg
117-84-0	Di-n-octyl phthalate	88.5	U	88.5	190	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	860		57.8	93.5	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	300		63.4	93.5	120	ug/Kg
50-32-8	Benzo(a)pyrene	560		67.8	93.5	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	240		77	93.5	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	73.9	J	69.4	93.5	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	260		66.5	93.5	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	64.3	U	64.3	93.5	120	ug/Kg
123-91-1	1,4-Dioxane	84.2	U	84.2	93.5	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	59.6	U	59.6	93.5	120	ug/Kg
90-12-0	1-Methylnaphthalene	64.9	U	64.9	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	78.491		18-112		52	SPK: -150
13127-88-3	Phenol-d6	79.631		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	55.567		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	55.167		20-109		55	SPK: -100
118-79-6	2,4,6-Tribromophenol	59.336		10-110		40	SPK: -150
1718-51-0	Terphenyl-d14	36.291		14-112		36	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	193261	6.751				
1146-65-2	Naphthalene-d8	714801	8.034				
15067-26-2	Acenaphthene-d10	310816	9.786				
1517-22-2	Phenanthrene-d10	455266	11.28				
1719-03-5	Chrysene-d12	327884	13.939				
1520-96-3	Perylene-d12	307004	15.404				

Report of Analysis

Client:		Date Collected:	9/21/2023 12:00:00 AM
Project:		Date Received:	9/21/2023 12:00:00 AM
Client Sample ID:	ETGI-367	SDG No.:	BF092523
Lab Sample ID:	O4569-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.7
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135440.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	50.6	A			4.981	
002531-84-2	Phenanthrene, 2-methyl-	83.2	J			11.786	
000832-69-9	Phenanthrene, 1-methyl-	230	J			11.816	
000203-64-5	4H-Cyclopenta[def]phenanthrene	150	J			11.898	
000610-48-0	Anthracene, 1-methyl-	55.1	J			11.922	
000612-94-2	Naphthalene, 2-phenyl-	71.7	J			12.08	
000084-65-1	9,10-Anthracenedione	110	J			12.116	
005737-13-3	Cyclopenta(def)phenanthrenone	73.8	J			12.427	
000243-17-4	11H-Benzo[b]fluorene	53.2	J			13.063	
002381-21-7	Pyrene, 1-methyl-	53.7	J			13.163	
000479-79-8	11H-Benzo[a]fluoren-11-one	51.1	J			13.574	
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	56.6	J			13.686	
000082-05-3	7H-Benz[de]anthracen-7-one	57.8	J			13.786	
000477-75-8	9,10[1,2]-Benzenoanthracene, 9,1	61.4	J			14.821	
000192-97-2	Benzo[e]pyrene	89.7	J			15.086	
000205-82-3	Benzo[j]fluoranthene	440	J			15.28	
000191-26-4	Dibenzo[def,mno]chrysene	69.5	J			17.58	

Report of Analysis

Client:		Date Collected:	9/20/2023 12:00:00 AM
Project:		Date Received:	9/20/2023 12:00:00 AM
Client Sample ID:	350	SDG No.:	BF092523
Lab Sample ID:	O4521-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135441.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	46.3	U	46.3	160	200	ug/Kg
110-86-1	Pyridine	43.4	U	43.4	77.9	100	ug/Kg
100-52-7	Benzaldehyde	88.7	U	88.7	160	200	ug/Kg
62-53-3	Aniline	70.1	U	70.1	77.9	100	ug/Kg
108-95-2	Phenol	44.6	U	44.6	77.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.8	U	53.8	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	43.2	U	43.2	77.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	49	U	49	77.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	53	U	53	77.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	49.4	U	49.4	77.9	100	ug/Kg
100-51-6	Benzyl Alcohol	59.2	U	59.2	160	200	ug/Kg
95-48-7	2-Methylphenol	68.3	U	68.3	77.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	62.9	U	62.9	77.9	100	ug/Kg
98-86-2	Acetophenone	52	U	52	77.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	64.7	U	64.7	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	35.4	U	35.4	48	48	ug/Kg
67-72-1	Hexachloroethane	44.1	U	44.1	77.9	100	ug/Kg
98-95-3	Nitrobenzene	45.1	U	45.1	77.9	100	ug/Kg
78-59-1	Isophorone	40.8	U	40.8	77.9	100	ug/Kg
88-75-5	2-Nitrophenol	57	U	57	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	59.7	U	59.7	77.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	67.1	U	67.1	77.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	46.8	U	46.8	77.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	46.5	U	46.5	77.9	100	ug/Kg
65-85-0	Benzoic acid	130	U	130	160	200	ug/Kg
91-20-3	Naphthalene	48.8	U	48.8	77.9	100	ug/Kg
106-47-8	4-Chloroaniline	62.9	U	62.9	77.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	50.3	U	50.3	77.9	100	ug/Kg
105-60-2	Caprolactam	70.1	U	70.1	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.5	U	49.5	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	56.9	U	56.9	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	9/20/2023 12:00:00 AM
Project:		Date Received:	9/20/2023 12:00:00 AM
Client Sample ID:	350	SDG No.:	BF092523
Lab Sample ID:	O4521-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135441.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	130	U	130	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.2	U	46.2	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	52.7	U	52.7	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	54.7	U	54.7	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	50.7	U	50.7	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	59.5	U	59.5	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	53.3	U	53.3	77.9	100	ug/Kg
208-96-8	Acenaphthylene	53	U	53	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.9	U	53.9	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	56	U	56	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.1	U	48.1	77.9	100	ug/Kg
Total PAH	Total PAH	861.2	U	861.2	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	160	200	ug/Kg
100-02-7	4-Nitrophenol	68.3	U	68.3	160	200	ug/Kg
132-64-9	Dibenzofuran	46.1	U	46.1	77.9	100	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.9	U	59.9	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	13.8	U	113.8	77.9	200	ug/Kg
84-66-2	Diethylphthalate	51.5	U	51.5	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.2	U	54.2	77.9	100	ug/Kg
86-73-7	Fluorene	50.8	U	50.8	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	62.3	U	62.3	77.9	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	52.6	U	52.6	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.9	U	55.9	77.9	100	ug/Kg
103-33-3	Azobenzene	44.1	U	44.1	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	58.4	U	58.4	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	59.2	U	59.2	77.9	100	ug/Kg
1912-24-9	Atrazine	57.2	U	57.2	77.9	100	ug/Kg
87-86-5	Pentachlorophenol	66.5	U	66.5	160	200	ug/Kg
85-01-8	Phenanthrene	55.6	U	55.6	77.9	100	ug/Kg
120-12-7	Anthracene	61.1	U	61.1	77.9	100	ug/Kg
86-74-8	Carbazole	50.9	U	50.9	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	62.3	U	62.3	77.9	100	ug/Kg
206-44-0	Fluoranthene	56.6	U	56.6	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	9/20/2023 12:00:00 AM
Project:		Date Received:	9/20/2023 12:00:00 AM
Client Sample ID:	350	SDG No.:	BF092523
Lab Sample ID:	O4521-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135441.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	120	U	120	160	200	ug/Kg
129-00-0	Pyrene	50.2	U	50.2	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	61.7	U	61.7	77.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	96.5	U	96.5	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	50.3	U	50.3	77.9	100	ug/Kg
218-01-9	Chrysene	52	U	52	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.9	U	68.9	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	73.7	U	73.7	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.1	U	48.1	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	52.8	U	52.8	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	56.5	U	56.5	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	64.1	U	64.1	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	57.8	U	57.8	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	55.4	U	55.4	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	53.6	U	53.6	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	70.1	U	70.1	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.7	U	49.7	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	54.1	U	54.1	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	75.359		18-112		50	SPK: -150
13127-88-3	Phenol-d6	83.773		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	62.603		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	67.246		20-109		67	SPK: -100
118-79-6	2,4,6-Tribromophenol	42.196		10-110		28	SPK: -150
1718-51-0	Terphenyl-d14	53.244		14-112		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	176364	6.751				
1146-65-2	Naphthalene-d8	621453	8.033				
15067-26-2	Acenaphthene-d10	239956	9.786				
1517-22-2	Phenanthrene-d10	405963	11.28				
1719-03-5	Chrysene-d12	278682	13.939				
1520-96-3	Perylene-d12	216323	15.409				



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

Report of Analysis

Client:		Date Collected:	9/20/2023 12:00:00 AM
Project:		Date Received:	9/20/2023 12:00:00 AM
Client Sample ID:	350	SDG No.:	BF092523
Lab Sample ID:	O4521-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF135441.D	1	9/22/2023 12:00:00 AM	9/25/2023 12:00:00 AM	PB155762

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Hit Summary Sheet

SW-846

SDG No.: BF092523

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : CENTRAL-M-R-HEATER								
O4540-01	CENTRAL-M-R-HEATE	Water	1H-Benzotriazole, 4-methyl-	*	560.000	J		
O4540-01	CENTRAL-M-R-HEATE	Water	2,4,7,9-Tetramethyl-5-decyn-4,7-c	*	6.700	J		
O4540-01	CENTRAL-M-R-HEATE	Water	4-(4,5-Dihydro-1H-imidazol-2-yl)	*	10.700	J		
O4540-01	CENTRAL-M-R-HEATE	Water	Benzonitrile, 2-methoxy-6-methyl	*	47.900	J		
O4540-01	CENTRAL-M-R-HEATE	Water	cis-Vaccenic acid	*	7.300	J		
O4540-01	CENTRAL-M-R-HEATE	Water	n-Hexadecanoic acid	*	25.500	J		
O4540-01	CENTRAL-M-R-HEATE	Water	Octadecanoic acid	*	40.900	J		
O4540-01	CENTRAL-M-R-HEATE	Water	unknown14.786	*	17.600	J		
Total Tics :					716.60			
Total Concentration:					716.60			
Client ID : EMBRIDGE-M-R-HEATER								
O4540-02	EMBRIDGE-M-R-HEAT	Water	1H-Benzotriazole, 4-methyl-	*	650.000	J		
O4540-02	EMBRIDGE-M-R-HEAT	Water	2,4,7,9-Tetramethyl-5-decyn-4,7-c	*	17.800	J		
O4540-02	EMBRIDGE-M-R-HEAT	Water	2,5-Dimethylbenzoxazole	*	12.700	J		
O4540-02	EMBRIDGE-M-R-HEAT	Water	2-Indolinone, 1-methyl-	*	17.700	J		
O4540-02	EMBRIDGE-M-R-HEAT	Water	n-Hexadecanoic acid	*	7.800	J		
Total Tics :					706.00			
Total Concentration:					706.00			
Client ID : TRANSCO-M-R-HEATER								
O4540-03	TRANSCO-M-R-HEATE	Water	1H-Benzotriazole, 4-methyl-	*	400.000	J		
O4540-03	TRANSCO-M-R-HEATE	Water	2,4,7,9-Tetramethyl-5-decyn-4,7-c	*	15.100	J		
O4540-03	TRANSCO-M-R-HEATE	Water	2,5-Dimethylbenzoxazole	*	28.600	J		
O4540-03	TRANSCO-M-R-HEATE	Water	4-(4,5-Dihydro-1H-imidazol-2-yl)	*	14.800	J		
O4540-03	TRANSCO-M-R-HEATE	Water	Benzonitrile, 2-methoxy-6-methyl	*	33.600	J		
O4540-03	TRANSCO-M-R-HEATE	Water	n-Hexadecanoic acid	*	13.800	J		
Total Tics :					505.90			
Total Concentration:					505.90			
Client ID : SE-SOIL-1								
O4567-02	SE-SOIL-1	Solid	n-Hexadecanoic acid	*	400.000	J		
O4567-02	SE-SOIL-1	Solid	Octadecanoic acid	*	91.800	J		
O4567-02	SE-SOIL-1	Solid	Supraene	*	320.000	J		
Total Tics :					811.80			
Total Concentration:					811.80			
Client ID : SE-SOIL-2								
O4567-04	SE-SOIL-2	Solid	n-Hexadecanoic acid	*	270.000	J		
O4567-04	SE-SOIL-2	Solid	n-Tetracosanol-1	*	190.000	J		
Total Tics :					460.00			

Hit Summary Sheet SW-846

SDG No.: BF092523

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Concentration:			460.00		
Client ID : SE-SOIL-3								
O4567-06	SE-SOIL-3	Solid	1-Octadecanol	*	120.000	J		
O4567-06	SE-SOIL-3	Solid	n-Hexadecanoic acid	*	140.000	J		
			Total Tics :			260.00		
			Total Concentration:			260.00		
Client ID : SE-SOIL-4								
O4567-08	SE-SOIL-4	Solid	Heptafluorobutyric acid, pentadec	*	160.000	J		
O4567-08	SE-SOIL-4	Solid	n-Hexadecanoic acid	*	240.000	J		
O4567-08	SE-SOIL-4	Solid	Octadecanoic acid	*	78.300	J		
O4567-08	SE-SOIL-4	Solid	Tetratetracontane	*	80.500	J		
			Total Tics :			558.80		
			Total Concentration:			558.80		
Client ID : SE-SOIL-5								
O4567-10	SE-SOIL-5	Solid	Cyclohexadecane	*	150.000	J		
O4567-10	SE-SOIL-5	Solid	Ethanol, 2-(2-ethoxyethoxy)-	*	77.700	J		
O4567-10	SE-SOIL-5	Solid	n-Hexadecanoic acid	*	250.000	J		
			Total Tics :			477.70		
			Total Concentration:			477.70		
Client ID : SE-SOIL-6								
O4567-12	SE-SOIL-6	Solid	Farnesol isomer a	*	140.000	J		
O4567-12	SE-SOIL-6	Solid	n-Hexadecanoic acid	*	160.000	J		
			Total Tics :			300.00		
			Total Concentration:			300.00		
Client ID : ETGI-367								
O4569-01	ETGI-367	Solid	11H-Benzo[a]fluoren-11-one	*	51.100	J		
O4569-01	ETGI-367	Solid	11H-Benzo[b]fluorene	*	53.200	J		
O4569-01	ETGI-367	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	50.600	A		
O4569-01	ETGI-367	Solid	4H-Cyclopenta[def]phenanthrene	*	150.000	J		
O4569-01	ETGI-367	Solid	7H-Benz[de]anthracen-7-one	*	57.800	J		
O4569-01	ETGI-367	Solid	9,10-Anthracenedione	*	110.000	J		
O4569-01	ETGI-367	Solid	9,10[1,2]-Benzenoanthracene, 9,1	*	61.400	J		
O4569-01	ETGI-367	Solid	Anthracene, 1-methyl-	*	55.100	J		
O4569-01	ETGI-367	Solid	Benzo[b]naphtho[2,1-d]thiophene	*	56.600	J		
O4569-01	ETGI-367	Solid	Benzo[e]pyrene	*	89.700	J		
O4569-01	ETGI-367	Solid	Benzo[j]fluoranthene	*	440.000	J		
O4569-01	ETGI-367	Solid	Cyclopenta(def)phenanthrenone	*	73.800	J		
O4569-01	ETGI-367	Solid	Dibenzo[def,mno]chrysene	*	69.500	J		
O4569-01	ETGI-367	Solid	Naphthalene, 2-phenyl-	*	71.700	J		
O4569-01	ETGI-367	Solid	Phenanthrene, 1-methyl-	*	230.000	J		

Hit Summary Sheet SW-846

SDG No.: BF092523

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O4569-01	ETGI-367	Solid	Phenanthrene, 2-methyl-	*	83.200	J		
O4569-01	ETGI-367	Solid	Pyrene, 1-methyl-	*	53.700	J		
Total Tics :					1,757.40			
O4569-01	ETGI-367	Solid	Anthracene		120.000	73.4	120	ug/Kg
O4569-01	ETGI-367	Solid	Benzo(a)anthracene		630.000	60.3	120	ug/Kg
O4569-01	ETGI-367	Solid	Benzo(a)pyrene		560.000	67.8	120	ug/Kg
O4569-01	ETGI-367	Solid	Benzo(b)fluoranthene		860.000	57.8	120	ug/Kg
O4569-01	ETGI-367	Solid	Benzo(g,h,i)perylene		260.000	66.5	120	ug/Kg
O4569-01	ETGI-367	Solid	Benzo(k)fluoranthene		300.000	63.4	120	ug/Kg
O4569-01	ETGI-367	Solid	Bis(2-ethylhexyl)phthalate		82.800	J 82.7	120	ug/Kg
O4569-01	ETGI-367	Solid	Chrysene		670.000	62.4	120	ug/Kg
O4569-01	ETGI-367	Solid	Dibenzo(a,h)anthracene		73.900	J 69.4	120	ug/Kg
O4569-01	ETGI-367	Solid	Fluoranthene		1,300.000	67.9	120	ug/Kg
O4569-01	ETGI-367	Solid	Indeno(1,2,3-cd)pyrene		240.000	77	120	ug/Kg
O4569-01	ETGI-367	Solid	Phenanthrene		770.000	66.7	120	ug/Kg
O4569-01	ETGI-367	Solid	Pyrene		840.000	60.2	120	ug/Kg
Total Svoc :					6,706.70			
Total Concentration:					8,464.10			
Client ID : FRAC-TANK-A2421								
O4574-01	FRAC-TANK-A2421	Water	5-Eicosene, (E)-	*	5.700	J		
O4574-01	FRAC-TANK-A2421	Water	Benzothiazole	*	2.100	J		
O4574-01	FRAC-TANK-A2421	Water	Hexanoic acid, 3,5,5-trimethyl-	*	2.600	J		
O4574-01	FRAC-TANK-A2421	Water	n-Hexadecanoic acid	*	13.700	J		
O4574-01	FRAC-TANK-A2421	Water	Octadecanoic acid	*	4.600	J		
Total Tics :					28.70			
Total Concentration:					28.70			
Client ID : EO-02-092223								
O4582-01	EO-02-092223	Solid	6H-Cyclobuta[jk]phenanthrene	*	180.000	J		
O4582-01	EO-02-092223	Solid	Carbonic acid, tetradecyl vinyl es	*	210.000	J		
O4582-01	EO-02-092223	Solid	di-p-Tolylacetylene	*	110.000	J		
O4582-01	EO-02-092223	Solid	Dodecane, 1-iodo-	*	250.000	J		
O4582-01	EO-02-092223	Solid	Heptadecane, 2,6,10,15-tetrameth	*	250.000	J		
O4582-01	EO-02-092223	Solid	Hexadecane	*	110.000	J		
O4582-01	EO-02-092223	Solid	Hexadecane, 7,9-dimethyl-	*	130.000	J		
O4582-01	EO-02-092223	Solid	n-Hexadecanoic acid	*	960.000	J		
O4582-01	EO-02-092223	Solid	Nonadecane	*	310.000	J		
O4582-01	EO-02-092223	Solid	Nonane, 3,7-dimethyl-	*	110.000	J		
O4582-01	EO-02-092223	Solid	Nonane, 5-butyl-	*	150.000	J		
O4582-01	EO-02-092223	Solid	Octadecane	*	270.000	J		
O4582-01	EO-02-092223	Solid	Octadecanoic acid	*	340.000	J		
O4582-01	EO-02-092223	Solid	Pentadecane	*	230.000	J		

Hit Summary Sheet

SW-846

SDG No.: BF092523

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O4582-01	EO-02-092223	Solid	Sulfurous acid, 2-ethylhexyl hexyl	*	320.000	J		
O4582-01	EO-02-092223	Solid	Tetracosane	*	260.000	J		
O4582-01	EO-02-092223	Solid	Tetradecane	*	250.000	J		
O4582-01	EO-02-092223	Solid	Tridecane	*	620.000	J		
O4582-01	EO-02-092223	Solid	Undecane, 2,5-dimethyl-	*	220.000	J		
O4582-01	EO-02-092223	Solid	unknown13.369	*	140.000	J		
Total Tics :					5,420.00			
O4582-01	EO-02-092223	Solid	Benzo(a)anthracene		180.000	J 110	220	ug/Kg
O4582-01	EO-02-092223	Solid	Benzo(a)pyrene		190.000	J 120	220	ug/Kg
O4582-01	EO-02-092223	Solid	Benzo(b)fluoranthene		230.000	110	220	ug/Kg
O4582-01	EO-02-092223	Solid	Chrysene		190.000	J 110	220	ug/Kg
O4582-01	EO-02-092223	Solid	Fluoranthene		310.000	120	220	ug/Kg
O4582-01	EO-02-092223	Solid	Phenanthrene		180.000	J 120	220	ug/Kg
O4582-01	EO-02-092223	Solid	Pyrene		310.000	110	220	ug/Kg
Total Svoc :					1,590.00			
Total Concentration:					7,010.00			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BF091123

SAS No.: BF091123

SDG No.: BF091123

Instrument ID:

Calibration Date(s): 9/11/2023 :

Calibration Time(s): 12:44

LAB FILE ID:		RRF2.5 = BF135159.D			RRF005 = BF135160.D		RRF010 = BF135161.D	
		RRF020 = BF135162.D			RRF040 = BF135163.D		RRF050 = BF135164.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.698	0.721	0.817	0.788	0.763	0.770	6.0
Pyridine		1.344	1.319	1.543	1.489	1.442	1.451	6.1
2-Fluorophenol		1.291	1.239	1.339	1.228	1.169	1.230	5.4
Benzaldehyde		1.070	0.977	1.010	0.873	0.789	0.891	14.5
Aniline		2.140	2.074	2.196	2.054	1.944	2.050	4.6
Phenol-d6		1.665	1.581	1.684	1.570	1.478	1.564	5.6
Phenol		1.811	1.761	1.908	1.726	1.607	1.715	7.1
bis(2-Chloroethyl)ether		1.326	1.267	1.380	1.298	1.223	1.286	4.1
2-Chlorophenol		1.375	1.319	1.430	1.321	1.246	1.313	5.4
1,2-Dichlorobenzene		1.382	1.319	1.378	1.241	1.176	1.260	7.9
1,3-Dichlorobenzene		1.367	1.346	1.451	1.332	1.264	1.334	4.7
1,4-Dichlorobenzene		1.442	1.367	1.480	1.348	1.280	1.357	5.8
Benzyl Alcohol		1.160	1.144	1.244	1.134	1.071	1.122	6.3
2-Methylphenol		1.229	1.115	1.226	1.171	1.104	1.158	4.5
2,2-oxybis(1-Chloropropane)		2.570	2.413	2.594	2.453	2.309	2.424	5.0
Acetophenone		0.494	0.481	0.498	0.444	0.423	0.457	7.2
3+4-Methylphenols		1.582	1.496	1.531	1.368	1.292	1.393	10.3
n-Nitroso-di-n-propylamine	0.991	1.025	0.986	1.029	0.954	0.909	0.968	4.8
Nitrobenzene-d5		0.373	0.362	0.389	0.366	0.355	0.368	3.0
Hexachloroethane		0.523	0.487	0.535	0.504	0.483	0.502	4.1
Nitrobenzene		0.359	0.362	0.387	0.365	0.354	0.364	3.0
Isophorone		0.668	0.656	0.713	0.668	0.648	0.676	3.5
2-Nitrophenol		0.159	0.168	0.186	0.175	0.171	0.175	5.4
2,4-Dimethylphenol		0.292	0.293	0.315	0.288	0.281	0.294	3.7
bis(2-Chloroethoxy)methane		0.420	0.407	0.430	0.394	0.381	0.405	4.2
2,4-Dichlorophenol		0.271	0.277	0.291	0.269	0.258	0.272	3.7
1,2,4-Trichlorobenzene		0.290	0.292	0.307	0.280	0.269	0.284	4.6
Benzoic acid		0.176	0.187	0.225	0.231	0.232	0.221	13.0
Naphthalene		1.029	0.992	1.047	0.957	0.918	0.972	5.4
4-Chloroaniline		0.440	0.437	0.459	0.420	0.406	0.426	4.6
Hexachlorobutadiene		0.178	0.170	0.183	0.168	0.165	0.171	3.8
Caprolactam		0.087	0.087	0.096	0.090	0.090	0.091	4.3
4-Chloro-3-methylphenol		0.306	0.303	0.323	0.301	0.289	0.302	3.5
2-Methylnaphthalene		0.704	0.687	0.700	0.632	0.609	0.653	6.4
Hexachlorocyclopentadiene			0.124	0.187	0.220	0.222	0.210	23.6
2,4,6-Trichlorophenol		0.376	0.370	0.401	0.379	0.369	0.379	2.9

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.: BF091123 SAS No.: BF091123 SDG No.: BF091123
Instrument ID: _____ Calibration Date(s): 9/11/2023 : _____
Calibration Time(s): 12:44 _____

LAB FILE ID:		RRF2.5 = BF135159.D		RRF005 = BF135160.D		RRF010 = BF135161.D		
		RRF020 = BF135162.D		RRF040 = BF135163.D		RRF050 = BF135164.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.531	1.424	1.467	1.274	1.210	1.326	11.0
2,4,5-Trichlorophenol		0.447	0.419	0.467	0.441	0.419	0.437	4.0
1,1-Biphenyl		1.640	1.576	1.671	1.526	1.448	1.537	6.2
2-Chloronaphthalene		1.179	1.122	1.216	1.095	1.059	1.115	5.5
2-Nitroaniline		0.401	0.417	0.466	0.435	0.423	0.433	5.0
Dimethylphthalate		1.412	1.358	1.467	1.310	1.279	1.352	4.9
Acenaphthylene		1.979	1.917	2.046	1.836	1.744	1.853	7.0
2,6-Dinitrotoluene		0.296	0.292	0.311	0.295	0.285	0.296	2.6
3-Nitroaniline		0.333	0.343	0.375	0.347	0.340	0.348	3.8
Acenaphthene		1.165	1.117	1.196	1.069	1.042	1.095	6.0
2,4-Dinitrophenol			0.099	0.125	0.146	0.154	0.143	18.7
4-Nitrophenol		0.176	0.201	0.237	0.230	0.228	0.221	10.8
Dibenzofuran		1.857	1.771	1.863	1.633	1.549	1.671	9.5
2,4-Dinitrotoluene		0.372	0.387	0.410	0.376	0.351	0.371	6.2
Diethylphthalate		1.432	1.401	1.479	1.340	1.275	1.357	6.0
4-Chlorophenyl-phenylether		0.697	0.666	0.686	0.595	0.571	0.617	10.4
Fluorene		1.445	1.374	1.413	1.247	1.188	1.284	9.6
4-Nitroaniline		0.313	0.321	0.360	0.338	0.329	0.334	4.6
4,6-Dinitro-2-methylphenol			0.087	0.104	0.105	0.108	0.106	10.6
n-Nitrosodiphenylamine		0.635	0.633	0.652	0.583	0.575	0.605	5.5
Azobenzene		1.378	1.365	1.433	1.309	1.247	1.328	5.0
2,4,6-Tribromophenol		0.204	0.197	0.222	0.196	0.191	0.199	5.7
4-Bromophenyl-phenylether		0.201	0.204	0.218	0.191	0.190	0.199	4.9
Hexachlorobenzene		0.205	0.208	0.220	0.197	0.192	0.203	4.6
Atrazine		0.177	0.170	0.178	0.157	0.153	0.163	7.0
Pentachlorophenol		0.100	0.110	0.131	0.127	0.124	0.121	9.8
Phenanthrene		1.024	0.983	1.042	0.920	0.885	0.946	7.3
Anthracene		1.045	1.025	1.072	0.937	0.917	0.972	7.5
Carbazole		0.931	0.934	0.969	0.863	0.840	0.885	6.6
Di-n-butylphthalate		1.092	1.085	1.148	1.023	0.991	1.043	6.3
Fluoranthene		1.073	1.062	1.102	0.961	0.918	0.986	9.3
Benzidine			0.510	0.425	0.368	0.381	0.410	13.1
Pyrene		1.809	1.787	2.028	1.892	1.851	1.904	5.0
Terphenyl-d14		1.328	1.275	1.408	1.259	1.219	1.290	4.8
Butylbenzylphthalate		0.597	0.618	0.701	0.688	0.678	0.670	6.7
3,3-Dichlorobenzidine		0.370	0.396	0.438	0.403	0.394	0.403	5.2

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF091123 SAS No.: BF091123 SDG No.: BF091123
Instrument ID: _____ Calibration Date(s): 9/11/2023 : _____
Calibration Time(s): 12:44 _____

LAB FILE ID:		RRF2.5 = BF135159.D			RRF005 = BF135160.D		RRF010 = BF135161.D	
		RRF020 = BF135162.D			RRF040 = BF135163.D		RRF050 = BF135164.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.312	1.289	1.388	1.271	1.222	1.291	4.0
Chrysene		1.265	1.274	1.349	1.263	1.233	1.284	2.9
Bis(2-ethylhexyl)phthalate		0.644	0.633	0.708	0.697	0.676	0.688	5.7
Di-n-octyl phthalate		0.900	0.907	1.051	1.120	1.114	1.093	14.4
Benzo(b)fluoranthene		1.088	1.097	1.160	1.077	1.050	1.083	4.1
Benzo(k)fluoranthene		1.078	1.102	1.175	1.053	1.028	1.069	5.3
Benzo(a)pyrene		0.975	0.986	1.095	1.047	1.023	1.032	4.1
Indeno(1,2,3-cd)pyrene		1.172	1.123	1.391	1.376	1.306	1.311	9.0
Dibenzo(a,h)anthracene		0.995	0.933	1.157	1.112	1.057	1.073	7.7
Benzo(g,h,i)perylene		1.003	0.965	1.178	1.181	1.117	1.121	8.8
1,2,4,5-Tetrachlorobenzene		0.599	0.580	0.633	0.578	0.551	0.579	5.0
1,4-Dioxane		0.538	0.516	0.568	0.536	0.525	0.539	3.4
2,3,4,6-Tetrachlorophenol		0.335	0.333	0.356	0.333	0.326	0.336	2.8
1-Methylnaphthalene		0.652	0.650	0.658	0.593	0.572	0.612	6.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BF092523 SAS No.: BF092523 SDG NO.: BF092523EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 25 2023 12:00AMLab File ID: BF135163.D Time Analyzed: 12:40Instrument 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	104159	6.763	418623	8.05	212268	9.80
	UPPER LIMIT	208318	7.263	837246	8.545	424536	10.304
	LOWER LIMIT	52079.5	6.263	209311.5	7.545	106134	9.304
	EPA SAMPLE NO.						
01	PB155762BL	159930	6.75	606927	8.03	292397	9.79
02	PB155762BS	186040	6.75	704566	8.03	343508	9.79
03	PB155763BL	174347	6.75	657236	8.03	314926	9.79
04	PB155763BS	170976	6.75	668406	8.03	319938	9.79
05	PB155763BSD	174385	6.75	689519	8.03	328540	9.79
06	PB155524BL	161693	6.75	620111	8.03	294273	9.79
07	PB155524BS	179398	6.75	676485	8.03	322291	9.79
08	CENTRAL-M-R-HEATER	165625	6.75	639116	8.03	303749	9.79
09	TRANSCO-M-R-HEATER	151723	6.75	582537	8.03	266130	9.79
10	FRAC-TANK-A2421	166433	6.75	652911	8.03	318377	9.79
11	EMBRIDGE-M-R-HEATER	180872	6.75	692769	8.03	332474	9.79
12	EO-02-092223	126933	6.75	482609	8.03	203357	9.79
13	SE-SOIL-5	163490	6.75	608793	8.03	265216	9.79
14	SE-SOIL-6	168908	6.75	618658	8.03	274805	9.79
15	SE-SOIL-1	160659	6.75	593956	8.03	267263	9.79
16	SE-SOIL-2	170898	6.75	635494	8.03	292226	9.79
17	SE-SOIL-3	155822	6.75	587285	8.03	262314	9.79
18	SE-SOIL-4	158063	6.75	591036	8.03	259617	9.79
19	ETGI-367	193261	6.75	714801	8.03	310816	9.79
20	350	176364	6.75	621453	8.03	239956	9.79

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH
 Lab Code: CHEM Case No.: BF092523 SAS No.: BF092523 SDG NO.: BF092523
 EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 25 2023 12:00AM
 Lab File ID: BF135163.D Time Analyzed: 22:27
 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	104159	6.763	418623	8.05	212268	9.80
UPPER LIMIT	208318	7.263	837246	8.545	424536	10.304
LOWER LIMIT	52079.5	6.263	209311.5	7.545	106134	9.304
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.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BF092523 SAS No.: BF092523 SDG NO.: BF092523EPA Sample No.: SSTDCCC040 Date Analyzed: Sep 25 2023 12:00AMLab File ID: BF135421.D Time Analyzed: 12:40Instrument 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	166823	6.751	645795	8.03	312965	9.79
	UPPER LIMIT	333646	7.251	1291590	8.534	625930	10.292
	LOWER LIMIT	83411.5	6.251	322897.5	7.534	156482.5	9.292
	EPA SAMPLE NO.						
01	PB155762BL	159930	6.75	606927	8.03	292397	9.79
02	PB155762BS	186040	6.75	704566	8.03	343508	9.79
03	PB155763BL	174347	6.75	657236	8.03	314926	9.79
04	PB155763BS	170976	6.75	668406	8.03	319938	9.79
05	PB155763BSD	174385	6.75	689519	8.03	328540	9.79
06	PB155524BL	161693	6.75	620111	8.03	294273	9.79
07	PB155524BS	179398	6.75	676485	8.03	322291	9.79
08	CENTRAL-M-R-HEATER	165625	6.75	639116	8.03	303749	9.79
09	TRANSCO-M-R-HEATER	151723	6.75	582537	8.03	266130	9.79
10	FRAC-TANK-A2421	166433	6.75	652911	8.03	318377	9.79
11	EMBRIDGE-M-R-HEATER	180872	6.75	692769	8.03	332474	9.79
12	EO-02-092223	126933	6.75	482609	8.03	203357	9.79
13	SE-SOIL-5	163490	6.75	608793	8.03	265216	9.79
14	SE-SOIL-6	168908	6.75	618658	8.03	274805	9.79
15	SE-SOIL-1	160659	6.75	593956	8.03	267263	9.79
16	SE-SOIL-2	170898	6.75	635494	8.03	292226	9.79
17	SE-SOIL-3	155822	6.75	587285	8.03	262314	9.79
18	SE-SOIL-4	158063	6.75	591036	8.03	259617	9.79
19	ETGI-367	193261	6.75	714801	8.03	310816	9.79
20	350	176364	6.75	621453	8.03	239956	9.79

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF092523 SAS No.: BF092523 SDG NO.: BF092523

EPA Sample No.: SSTDCCC040 Date Analyzed: Sep 25 2023 12:00AM

Lab File ID: BF135421.D Time Analyzed: 22:27

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	166823	6.751	645795	8.03	312965	9.79
UPPER LIMIT	333646	7.251	1291590	8.534	625930	10.292
LOWER LIMIT	83411.5	6.251	322897.5	7.534	156482.5	9.292
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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF092523 SAS No.: BF092523 SDG NO.: BF092523

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 25 2023 12:00AM

Lab File ID: BF135163.D Time Analyzed: 12:40

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	416597	11.292	211067	13.945	204799	15.409
UPPER LIMIT	833194	11.792	422134	14.445	409598	15.909
LOWER LIMIT	208298.5	10.792	105533.5	13.445	102399.5	14.909
EPA SAMPLE NO.						
01 PB155762BL	546710	11.28	323922	13.94	294379	15.40
02 PB155762BS	630317	11.29	349730	13.95	292246	15.40
03 PB155763BL	581844	11.28	337729	13.94	306077	15.40
04 PB155763BS	597688	11.29	332743	13.95	286706	15.40
05 PB155763BSD	608207	11.29	346309	13.95	298727	15.40
06 PB155524BL	535048	11.28	305415	13.94	287774	15.40
07 PB155524BS	590559	11.29	330477	13.94	280027	15.40
08 CENTRAL-M-R-HEATER	541333	11.28	263686	13.94	318432	15.40
09 TRANSO-M-R-HEATER	500467	11.28	239714	13.94	290438	15.40
10 FRAC-TANK-A2421	567879	11.28	255197	13.94	300842	15.40
11 EMBRIDGE-M-R-HEATER	583238	11.28	267063	13.94	328549	15.40
12 EO-02-092223	311181	11.28	228319	13.94	194631	15.40
13 SE-SOIL-5	394726	11.28	285158	13.94	263359	15.40
14 SE-SOIL-6	415335	11.28	295729	13.94	279836	15.40
15 SE-SOIL-1	393701	11.28	274769	13.94	255981	15.40
16 SE-SOIL-2	428464	11.28	302703	13.94	285845	15.40
17 SE-SOIL-3	387337	11.28	282844	13.94	266791	15.40
18 SE-SOIL-4	392131	11.28	277418	13.94	267861	15.40
19 ETGI-367	455266	11.28	327884	13.94	307004	15.40
20 350	405963	11.28	278682	13.94	216323	15.41

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF092523 SAS No.: BF092523 SDG NO.: BF092523

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 25 2023 12:00AM

Lab File ID: BF135163.D Time Analyzed: 22:27

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	416597	11.292	211067	13.945	204799	15.409
UPPER LIMIT	833194	11.792	422134	14.445	409598	15.909
LOWER LIMIT	208298.5	10.792	105533.5	13.445	102399.5	14.909
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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF092523 SAS No.: BF092523 SDG NO.: BF092523

EPA Sample No.: SSTDCCC040 Date Analyzed: Sep 25 2023 12:00AM

Lab File ID: BF135421.D Time Analyzed: 12:40

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	590871	11.286	299806	13.945	291557	15.404
UPPER LIMIT	1181742	11.786	599612	14.445	583114	15.904
LOWER LIMIT	295435.5	10.786	149903	13.445	145778.5	14.904
EPA SAMPLE NO.						
01 PB155762BL	546710	11.28	323922	13.94	294379	15.40
02 PB155762BS	630317	11.29	349730	13.95	292246	15.40
03 PB155763BL	581844	11.28	337729	13.94	306077	15.40
04 PB155763BS	597688	11.29	332743	13.95	286706	15.40
05 PB155763BSD	608207	11.29	346309	13.95	298727	15.40
06 PB155524BL	535048	11.28	305415	13.94	287774	15.40
07 PB155524BS	590559	11.29	330477	13.94	280027	15.40
08 CENTRAL-M-R-HEATER	541333	11.28	263686	13.94	318432	15.40
09 TRANSO-M-R-HEATER	500467	11.28	239714	13.94	290438	15.40
10 FRAC-TANK-A2421	567879	11.28	255197	13.94	300842	15.40
11 EMBRIDGE-M-R-HEATER	583238	11.28	267063	13.94	328549	15.40
12 EO-02-092223	311181	11.28	228319	13.94	194631	15.40
13 SE-SOIL-5	394726	11.28	285158	13.94	263359	15.40
14 SE-SOIL-6	415335	11.28	295729	13.94	279836	15.40
15 SE-SOIL-1	393701	11.28	274769	13.94	255981	15.40
16 SE-SOIL-2	428464	11.28	302703	13.94	285845	15.40
17 SE-SOIL-3	387337	11.28	282844	13.94	266791	15.40
18 SE-SOIL-4	392131	11.28	277418	13.94	267861	15.40
19 ETGI-367	455266	11.28	327884	13.94	307004	15.40
20 350	405963	11.28	278682	13.94	216323	15.41

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF092523 SAS No.: BF092523 SDG NO.: BF092523

EPA Sample No.: SSTDCCC040 Date Analyzed: Sep 25 2023 12:00AM

Lab File ID: BF135421.D Time Analyzed: 22:27

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	590871	11.286	299806	13.945	291557	15.404
UPPER LIMIT	1181742	11.786	599612	14.445	583114	15.904
LOWER LIMIT	295435.5	10.786	149903	13.445	145778.5	14.904
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.: BF092523

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD	
								Qual	Low	High		
PB155524BS	n-Nitrosodimethylamine	1700	1600	ug/Kg	94				57	103		
	Pyridine	1700	1400	ug/Kg	82				28	98		
	Benzaldehyde	1700	870	ug/Kg	51				10	147		
	Aniline	1700	940	ug/Kg	55				38	100		
	Phenol	1700	1400	ug/Kg	82				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	1500	ug/Kg	88				51	102		
	1,3-Dichlorobenzene	1700	1500	ug/Kg	88				52	99		
	1,4-Dichlorobenzene	1700	1500	ug/Kg	88				52	100		
	Benzyl Alcohol	1700	1500	ug/Kg	88				42	116		
	2-Methylphenol	1700	1400	ug/Kg	82				61	108		
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100		
	Acetophenone	1700	1500	ug/Kg	88				55	104		
	3+4-Methylphenols	1700	1300	ug/Kg	76				58	111		
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				63	95		
	Hexachloroethane	1700	1600	ug/Kg	94				72	108		
	Nitrobenzene	1700	1500	ug/Kg	88				57	101		
	Isophorone	1700	1500	ug/Kg	88				59	99		
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111		
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				67	119		
	bis(2-Chloroethoxy)methane	1700	1600	ug/Kg	94				53	105		
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107		
	1,2,4-Trichlorobenzene	1700	1600	ug/Kg	94				44	110		
	Benzoic acid	1700	1500	ug/Kg	88				10	140		
	Naphthalene	1700	1500	ug/Kg	88				62	100		
	4-Chloroaniline	1700	720	ug/Kg	42				16	100		
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98		
	Caprolactam	1700	1500	ug/Kg	88				67	110		
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112		
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104		
	Hexachlorocyclopentadiene	3300	2200	ug/Kg	67				45	134		
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102		
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98		
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103		
	2-Chloronaphthalene	1700	1600	ug/Kg	94				58	99		
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101		
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99		
	Acenaphthylene	1700	1500	ug/Kg	88				63	101		
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104		
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100		
	Acenaphthene	1700	1500	ug/Kg	88				57	104		
	Total PAH		27200	25100	ug/Kg	92				57	104	
	2,4-Dinitrophenol		3300	2600	ug/Kg	79				37	128	
	4-Nitrophenol		3300	2700	ug/Kg	82				48	119	
	Dibenzofuran		1700	1400	ug/Kg	82				63	99	



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

SDG No.: BF092523

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB155524BS	2,4-Dinitrotoluene/2,6-Dinitrotoluene	3400	2900	ug/Kg	85				60	106		
	2,4-Dinitrotoluene	1700	1400	ug/Kg	82				60	106		
	Diethylphthalate	1700	1400	ug/Kg	82				60	101		
	4-Chlorophenyl-phenylether	1700	1300	ug/Kg	76				58	98		
	Fluorene	1700	1400	ug/Kg	82				61	101		
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103		
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113		
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				56	107		
	Azobenzene	1700	1500	ug/Kg	88				54	103		
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				55	99		
	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98		
	Atrazine	1700	1700	ug/Kg	100				67	113		
	Pentachlorophenol	3300	2300	ug/Kg	70				67	105		
	Phenanthrene	1700	1500	ug/Kg	88				59	103		
	Anthracene	1700	1500	ug/Kg	88				61	105		
	Carbazole	1700	1600	ug/Kg	94				61	99		
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104		
	Fluoranthene	1700	1600	ug/Kg	94				57	107		
	Benzidine	3300	1800	ug/Kg	55				10	98		
	Pyrene	1700	1500	ug/Kg	88				59	103		
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103		
	3,3-Dichlorobenzidine	1700	1200	ug/Kg	71				42	91		
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102		
	Chrysene	1700	1500	ug/Kg	88				59	101		
	bis(2-Ethylhexyl)phthalate	1700	1800	ug/Kg	106				63	111		
	Di-n-octyl phthalate	1700	1800	ug/Kg	106				70	108		
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109		
	Benzo(k)fluoranthene	1700	1700	ug/Kg	100				62	109		
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103		
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				63	101		
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				61	112		
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				70	108		
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101		
	1,4-Dioxane	1700	1500	ug/Kg	88				50	96		
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108		
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130		



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

SDG No.: BF092523

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD	
								Qual	Low	High		
PB155762BS	n-Nitrosodimethylamine	1700	1600	ug/Kg	94				57	103		
	Pyridine	1700	1400	ug/Kg	82				28	98		
	Benzaldehyde	1700	850	ug/Kg	50				10	147		
	Aniline	1700	910	ug/Kg	54				38	100		
	Phenol	1700	1300	ug/Kg	76				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	1500	ug/Kg	88				51	102		
	1,3-Dichlorobenzene	1700	1500	ug/Kg	88				52	99		
	1,4-Dichlorobenzene	1700	1500	ug/Kg	88				52	100		
	Benzyl Alcohol	1700	1500	ug/Kg	88				42	116		
	2-Methylphenol	1700	1400	ug/Kg	82				61	108		
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100		
	Acetophenone	1700	1500	ug/Kg	88				55	104		
	3+4-Methylphenols	1700	1300	ug/Kg	76				58	111		
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				63	95		
	Hexachloroethane	1700	1500	ug/Kg	88				72	108		
	Nitrobenzene	1700	1500	ug/Kg	88				57	101		
	Isophorone	1700	1500	ug/Kg	88				59	99		
	2-Nitrophenol	1700	1700	ug/Kg	100				61	111		
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				67	119		
	bis(2-Chloroethoxy)methane	1700	1600	ug/Kg	94				53	105		
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107		
	1,2,4-Trichlorobenzene	1700	1500	ug/Kg	88				44	110		
	Benzoic acid	1700	1600	ug/Kg	94				10	140		
	Naphthalene	1700	1500	ug/Kg	88				62	100		
	4-Chloroaniline	1700	780	ug/Kg	46				16	100		
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98		
	Caprolactam	1700	1500	ug/Kg	88				67	110		
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112		
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104		
	Hexachlorocyclopentadiene	3300	2200	ug/Kg	67				45	134		
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102		
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98		
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103		
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99		
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101		
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99		
	Acenaphthylene	1700	1400	ug/Kg	82				63	101		
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104		
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100		
	Acenaphthene	1700	1500	ug/Kg	88				57	104		
	Total PAH		27200	25000	ug/Kg	92				57	104	
	2,4-Dinitrophenol		3300	2700	ug/Kg	82				37	128	
	4-Nitrophenol		3300	2800	ug/Kg	85				48	119	
	Dibenzofuran		1700	1300	ug/Kg	76				63	99	



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

SDG No.: BF092523

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB155762BS	2,4-Dinitrotoluene	1700	1400	ug/Kg	82				60	106	
	2,4-Dinitrotoluene/2,6-Dinitro	3400	2900	ug/Kg	85				60	106	
	Diethylphthalate	1700	1400	ug/Kg	82				60	101	
	4-Chlorophenyl-phenylether	1700	1300	ug/Kg	76				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1600	ug/Kg	94				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				56	107	
	Azobenzene	1700	1500	ug/Kg	88				54	103	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				55	99	
	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1700	ug/Kg	100				67	113	
	Pentachlorophenol	3300	2400	ug/Kg	73				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Benzidine	3300	1800	ug/Kg	55				10	98	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	1200	ug/Kg	71				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1900	ug/Kg	112		*		63	111	
	Di-n-octyl phthalate	1700	1800	ug/Kg	106				70	108	
	Benzo(b)fluoranthene	1700	1800	ug/Kg	106				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101	
	1,4-Dioxane	1700	1400	ug/Kg	82				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	



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

SDG No.: BF092523

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB155763BS	n-Nitrosodimethylamine	50	44.7	ug/L	89				55	108		
	Pyridine	50	39	ug/L	78				29	97		
	Benzaldehyde	50	20.9	ug/L	42				15	121		
	Aniline	50	26.9	ug/L	54				10	130		
	Phenol	50	38.7	ug/L	77				66	118		
	bis(2-Chloroethyl)ether	50	44.7	ug/L	89				62	103		
	2-Chlorophenol	50	43.7	ug/L	87				70	117		
	1,2-Dichlorobenzene	50	43.6	ug/L	87				72	102		
	1,3-Dichlorobenzene	50	43	ug/L	86				71	103		
	1,4-Dichlorobenzene	50	42.2	ug/L	84				76	103		
	Benzyl Alcohol	50	41.5	ug/L	83				36	93		
	2-Methylphenol	50	39.4	ug/L	79				69	109		
	2,2-oxybis(1-Chloropropane)	50	42.5	ug/L	85				52	103		
	Acetophenone	50	39.9	ug/L	80				60	104		
	3+4-Methylphenols	50	37.8	ug/L	76				67	106		
	N-Nitroso-di-n-propylamine	50	37.4	ug/L	75				57	107		
	Hexachloroethane	50	44	ug/L	88				76	118		
	Nitrobenzene	50	41.8	ug/L	84				58	106		
	Isophorone	50	40.9	ug/L	82				61	102		
	2-Nitrophenol	50	44.5	ug/L	89				70	115		
	2,4-Dimethylphenol	50	40.6	ug/L	81				67	130		
	bis(2-Chloroethoxy)methane	50	42.4	ug/L	85				58	109		
	2,4-Dichlorophenol	50	41.7	ug/L	83				66	115		
	1,2,4-Trichlorobenzene	50	42.3	ug/L	85				41	115		
	Benzoic acid	50	41.2	ug/L	82				10	125		
	Naphthalene	50	41.1	ug/L	82				64	107		
	4-Chloroaniline	50	25.9	ug/L	52				10	85		
	Hexachlorobutadiene	50	38.7	ug/L	77				69	101		
	Caprolactam	50	42	ug/L	84				58	128		
	4-Chloro-3-methylphenol	50	40.5	ug/L	81				65	114		
	2-Methylnaphthalene	50	38	ug/L	76				64	107		
	Hexachlorocyclopentadiene	100	56	ug/L	56				36	160		
	2,4,6-Trichlorophenol	50	40.7	ug/L	81				61	110		
	2,4,5-Trichlorophenol	50	39.1	ug/L	78				70	106		
	1,1-Biphenyl	50	40.9	ug/L	82				72	98		
	2-Chloronaphthalene	50	42.6	ug/L	85				59	106		
	2-Nitroaniline	50	43	ug/L	86				58	107		
	Dimethylphthalate	50	39.7	ug/L	79				64	103		
	Acenaphthylene	50	41.4	ug/L	83				65	108		
	2,6-Dinitrotoluene	50	41.9	ug/L	84				64	110		
	3-Nitroaniline	50	33.3	ug/L	67				28	100		
	Acenaphthene	50	41	ug/L	82				59	113		
	Total PAH	800	684	ug/L	86				59	113		
	2,4-Dinitrophenol	100	73.3	ug/L	73				64	132		
	4-Nitrophenol	100	79.7	ug/L	80				68	116		
	Dibenzofuran	50	38.3	ug/L	77				65	106		



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

SDG No.: BF092523

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB155763BS	2,4-Dinitrotoluene	50	38.6	ug/L	77				60	115	
	2,4-Dinitrotoluene/2,6-Dinitro	100	80.5	ug/L	81				60	115	
	Diethylphthalate	50	39	ug/L	78				63	105	
	4-Chlorophenyl-phenylether	50	37.6	ug/L	75				61	104	
	Fluorene	50	39.6	ug/L	79				64	107	
	4-Nitroaniline	50	43.7	ug/L	87				69	112	
	4,6-Dinitro-2-methylphenol	50	43	ug/L	86				62	132	
	N-Nitrosodiphenylamine	50	41.1	ug/L	82				61	109	
	Azobenzene	50	41.1	ug/L	82				59	106	
	4-Bromophenyl-phenylether	50	39	ug/L	78				73	103	
	Hexachlorobenzene	50	41.3	ug/L	83				73	106	
	Atrazine	50	46.1	ug/L	92				76	120	
	Pentachlorophenol	100	58.2	ug/L	58				47	114	
	Phenanthrene	50	42	ug/L	84				62	109	
	Anthracene	50	41.4	ug/L	83				65	110	
	Carbazole	50	45	ug/L	90				62	106	
	Di-n-butylphthalate	50	41	ug/L	82				64	106	
	Fluoranthene	50	43.3	ug/L	87				64	110	
	Benzidine	100	44.9	ug/L	45				10	94	
	Pyrene	50	41.2	ug/L	82				71	103	
	Butylbenzylphthalate	50	45.1	ug/L	90				61	105	
	3,3-Dichlorobenzidine	50	35.8	ug/L	72				43	108	
	Benzo(a)anthracene	50	42.1	ug/L	84				62	107	
	Chrysene	50	41.1	ug/L	82				61	108	
	bis(2-Ethylhexyl)phthalate	50	49.4	ug/L	99				59	110	
	Di-n-octyl phthalate	50	47.2	ug/L	94				67	126	
	Benzo(b)fluoranthene	50	44.3	ug/L	89				77	113	
	Benzo(k)fluoranthene	50	44.9	ug/L	90				64	113	
	Benzo(a)pyrene	50	42.9	ug/L	86				72	131	
	Indeno(1,2,3-cd)pyrene	50	45.9	ug/L	92				72	105	
	Dibenz(a,h)anthracene	50	45.1	ug/L	90				78	115	
	Benzo(g,h,i)perylene	50	46.7	ug/L	93				75	118	
	1,2,4,5-Tetrachlorobenzene	50	41.1	ug/L	82				72	101	
	1,4-Dioxane	50	40	ug/L	80				38	125	
	2,3,4,6-Tetrachlorophenol	50	41.2	ug/L	82				63	116	
	1-Methylnaphthalene	50	37.9	ug/L	76				51	114	
PB155763BSD	n-Nitrosodimethylamine	50	45.1	ug/L	90	1			55	108	20
	Pyridine	50	38.8	ug/L	78	1			29	97	20
	Benzaldehyde	50	21.1	ug/L	42	1			15	121	20
	Aniline	50	26.7	ug/L	53	1			10	130	20
	Phenol	50	39.2	ug/L	78	1			66	118	20
	bis(2-Chloroethyl)ether	50	45.2	ug/L	90	1			62	103	20
	2-Chlorophenol	50	44.8	ug/L	90	2			70	117	20
	1,2-Dichlorobenzene	50	43.3	ug/L	87	1			72	102	20
	1,3-Dichlorobenzene	50	42.8	ug/L	86	0			71	103	20
1,4-Dichlorobenzene	50	42.5	ug/L	85	1			76	103	20	



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

SDG No.: BF092523

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB155763BSD	Benzyl Alcohol	50	42.1	ug/L	84	1			36	93	20
	2-Methylphenol	50	40.2	ug/L	80	2			69	109	20
	2,2-oxybis(1-Chloropropane)	50	43	ug/L	86	1			52	103	20
	Acetophenone	50	39.9	ug/L	80	0			60	104	20
	3+4-Methylphenols	50	38	ug/L	76	1			67	106	20
	N-Nitroso-di-n-propylamine	50	37.6	ug/L	75	1			57	107	20
	Hexachloroethane	50	43.5	ug/L	87	1			76	118	20
	Nitrobenzene	50	42	ug/L	84	0			58	106	20
	Isophorone	50	41.5	ug/L	83	1			61	102	20
	2-Nitrophenol	50	44.7	ug/L	89	0			70	115	20
	2,4-Dimethylphenol	50	40.7	ug/L	81	0			67	130	20
	bis(2-Chloroethoxy)methane	50	43	ug/L	86	1			58	109	20
	2,4-Dichlorophenol	50	41.2	ug/L	82	1			66	115	20
	1,2,4-Trichlorobenzene	50	41.8	ug/L	84	1			41	115	20
	Benzoic acid	50	42.4	ug/L	85	3			10	125	20
	Naphthalene	50	40.8	ug/L	82	1			64	107	20
	4-Chloroaniline	50	25.9	ug/L	52	0			10	85	20
	Hexachlorobutadiene	50	38.6	ug/L	77	0			69	101	20
	Caprolactam	50	42.2	ug/L	84	0			58	128	20
	4-Chloro-3-methylphenol	50	41.1	ug/L	82	1			65	114	20
	2-Methylnaphthalene	50	37.7	ug/L	75	1			64	107	20
	Hexachlorocyclopentadiene	100	58	ug/L	58	4			36	160	20
	2,4,6-Trichlorophenol	50	41.7	ug/L	83	2			61	110	20
	2,4,5-Trichlorophenol	50	39.1	ug/L	78	0			70	106	20
	1,1-Biphenyl	50	41.4	ug/L	83	1			72	98	20
	2-Chloronaphthalene	50	43.2	ug/L	86	1			59	106	20
	2-Nitroaniline	50	44.1	ug/L	88	3			58	107	20
	Dimethylphthalate	50	40.5	ug/L	81	2			64	103	20
	Acenaphthylene	50	41.3	ug/L	83	0			65	108	20
	2,6-Dinitrotoluene	50	41.9	ug/L	84	0			64	110	20
	3-Nitroaniline	50	33.6	ug/L	67	1			28	100	20
	Acenaphthene	50	41.1	ug/L	82	0			59	113	20
	Total PAH	800	677.4	ug/L	85	1			59	113	20
	2,4-Dinitrophenol	100	74.1	ug/L	74	1			64	132	20
	4-Nitrophenol	100	78.5	ug/L	79	2			68	116	20
	Dibenzofuran	50	38.4	ug/L	77	0			65	106	20
	2,4-Dinitrotoluene/2,6-Dinitro	100	80.3	ug/L	80	0			60	115	20
	2,4-Dinitrotoluene	50	38.4	ug/L	77	1			60	115	20
	Diethylphthalate	50	38.8	ug/L	78	1			63	105	20
	4-Chlorophenyl-phenylether	50	37.3	ug/L	75	1			61	104	20
	Fluorene	50	39.8	ug/L	80	1			64	107	20
	4-Nitroaniline	50	44.4	ug/L	89	2			69	112	20
	4,6-Dinitro-2-methylphenol	50	44.9	ug/L	90	4			62	132	20
	N-Nitrosodiphenylamine	50	41.8	ug/L	84	2			61	109	20
	Azobenzene	50	41.8	ug/L	84	2			59	106	20
	4-Bromophenyl-phenylether	50	40.1	ug/L	80	3			73	103	20



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

SDG No.: BF092523

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB155763BSD	Hexachlorobenzene	50	41.9	ug/L	84	1			73	106	20
	Atrazine	50	46.2	ug/L	92	0			76	120	20
	Pentachlorophenol	100	57	ug/L	57	2			47	114	20
	Phenanthrene	50	42.3	ug/L	85	1			62	109	20
	Anthracene	50	41.9	ug/L	84	1			65	110	20
	Carbazole	50	45	ug/L	90	0			62	106	20
	Di-n-butylphthalate	50	41.5	ug/L	83	1			64	106	20
	Fluoranthene	50	43.2	ug/L	86	0			64	110	20
	Benzidine	100	47.1	ug/L	47	5			10	94	20
	Pyrene	50	40.6	ug/L	81	1			71	103	20
	Butylbenzylphthalate	50	44.8	ug/L	90	1			61	105	20
	3,3-Dichlorobenzidine	50	37.9	ug/L	76	6			43	108	20
	Benzo(a)anthracene	50	42.9	ug/L	86	2			62	107	20
	Chrysene	50	40.9	ug/L	82	0			61	108	20
	bis(2-Ethylhexyl)phthalate	50	50.5	ug/L	101	2			59	110	20
	Di-n-octyl phthalate	50	49.3	ug/L	99	4			67	126	20
	Benzo(b)fluoranthene	50	44.8	ug/L	90	1			77	113	20
	Benzo(k)fluoranthene	50	43.8	ug/L	88	2			64	113	20
	Benzo(a)pyrene	50	42.5	ug/L	85	1			72	131	20
	Indeno(1,2,3-cd)pyrene	50	43.8	ug/L	88	5			72	105	20
	Dibenz(a,h)anthracene	50	43.3	ug/L	87	4			78	115	20
	Benzo(g,h,i)perylene	50	44.4	ug/L	89	5			75	118	20
	1,2,4,5-Tetrachlorobenzene	50	41.5	ug/L	83	1			72	101	20
	1,4-Dioxane	50	40.2	ug/L	80	0			38	125	20
	2,3,4,6-Tetrachlorophenol	50	41.2	ug/L	82	0			63	116	20
	1-Methylnaphthalene	50	38.6	ug/L	77	2			51	114	20



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB155524BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF092523SAS No.: BF092523 SDG NO.: BF092523Lab File ID: BF135427.DLab Sample ID: PB155524BLInstrument ID: BNA_FDate Extracted: 09/13/2023Matrix: (soil/water) SolidDate Analyzed: 09/25/2023Level: (low/med) LOWTime Analyzed: 15:15

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB155524BS	PB155524BS	BF135428.D	09/25/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB155762BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF092523SAS No.: BF092523 SDG NO.: BF092523Lab File ID: BF135422.DLab Sample ID: PB155762BLInstrument ID: BNA_FDate Extracted: 09/22/2023Matrix: (soil/water) SolidDate Analyzed: 09/25/2023Level: (low/med) LOWTime Analyzed: 12:40

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB155762BS	PB155762BS	BF135423.D	09/25/2023
SE-SOIL-5	O4567-10	BF135434.D	09/25/2023
SE-SOIL-6	O4567-12	BF135435.D	09/25/2023
SE-SOIL-1	O4567-02	BF135436.D	09/25/2023
SE-SOIL-2	O4567-04	BF135437.D	09/25/2023
SE-SOIL-3	O4567-06	BF135438.D	09/25/2023
SE-SOIL-4	O4567-08	BF135439.D	09/25/2023
ETGI-367	O4569-01	BF135440.D	09/25/2023
350	O4521-01	BF135441.D	09/25/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB155763BL

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM

Case No.: BF092523

SAS No.: BF092523

SDG NO.: BF092523

Lab File ID: BF135424.D

Lab Sample ID: PB155763BL

Instrument ID: BNA_F

Date Extracted: 09/22/2023

Matrix: (soil/water) Water

Date Analyzed: 09/25/2023

Level: (low/med) LOW

Time Analyzed: 13:42

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB155763BS	PB155763BS	BF135425.D	09/25/2023
PB155763BSD	PB155763BSD	BF135426.D	09/25/2023
CENTRAL-M-R-HEATER	O4540-01	BF135429.D	09/25/2023
TRANSCO-M-R-HEATER	O4540-03	BF135430.D	09/25/2023
FRAC-TANK-A2421	O4574-01	BF135431.D	09/25/2023
EMBRIDGE-M-R-HEATER	O4540-02	BF135432.D	09/25/2023

COMMENTS:



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

EO-02-092223

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF092523SAS No.: BF092523 SDG NO.: BF092523Lab File ID: BF135433.DLab Sample ID: O4582-01Instrument ID: BNA_FDate Extracted: 09/25/2023Matrix: (soil/water) SolidDate Analyzed: 09/25/2023Level: (low/med) LOWTime Analyzed: 18:22

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
EO-02-092223	O4582-01	BF135433.D	09/25/2023

COMMENTS: _____



Surrogate Summary
SW-846

SDG No.: BF092523

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB155524BL	PB155524BL	BF135427.D	2-Fluorophenol	150	133.31	89		18	112
			Phenol-d6	150	133.71	89		15	107
			Nitrobenzene-d5	100	94.92	95		18	107
			2-Fluorobiphenyl	100	88.65	89		20	109
			2,4,6-Tribromophenol	150	115.12	77		10	110
			Terphenyl-d14	100	82.00	82		14	112
PB155524BS	PB155524BS	BF135428.D	2-Fluorophenol	150	122.58	82		18	112
			Phenol-d6	150	122.87	82		15	107
			Nitrobenzene-d5	100	88.99	89		18	107
			2-Fluorobiphenyl	100	81.34	81		20	109
			2,4,6-Tribromophenol	150	108.35	72		10	110
			Terphenyl-d14	100	78.33	78		14	112

Surrogate Summary

SW-846

SDG No.: **BF092523**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O4521-01	350	BF135441.D	2-Fluorophenol	150	75.36	50		18	112
			Phenol-d6	150	83.77	56		15	107
			Nitrobenzene-d5	100	62.60	63		18	107
			2-Fluorobiphenyl	100	67.25	67		20	109
			2,4,6-Tribromophenol	150	42.20	28		10	110
			Terphenyl-d14	100	53.24	53		14	112
O4567-02	SE-SOIL-1	BF135436.D	2-Fluorophenol	150	92.00	61		18	112
			Phenol-d6	150	92.68	62		15	107
			Nitrobenzene-d5	100	63.56	64		18	107
			2-Fluorobiphenyl	100	64.12	64		20	109
			2,4,6-Tribromophenol	150	68.95	46		10	110
			Terphenyl-d14	100	42.77	43		14	112
O4567-04	SE-SOIL-2	BF135437.D	2-Fluorophenol	150	84.34	56		18	112
			Phenol-d6	150	84.82	57		15	107
			Nitrobenzene-d5	100	58.50	58		18	107
			2-Fluorobiphenyl	100	56.34	56		20	109
			2,4,6-Tribromophenol	150	63.84	43		10	110
			Terphenyl-d14	100	38.84	39		14	112
O4567-06	SE-SOIL-3	BF135438.D	2-Fluorophenol	150	86.24	57		18	112
			Phenol-d6	150	86.34	58		15	107
			Nitrobenzene-d5	100	57.95	58		18	107
			2-Fluorobiphenyl	100	57.56	58		20	109
			2,4,6-Tribromophenol	150	63.07	42		10	110
			Terphenyl-d14	100	38.37	38		14	112
O4567-08	SE-SOIL-4	BF135439.D	2-Fluorophenol	150	92.42	62		18	112
			Phenol-d6	150	92.67	62		15	107
			Nitrobenzene-d5	100	62.72	63		18	107
			2-Fluorobiphenyl	100	65.21	65		20	109
			2,4,6-Tribromophenol	150	72.32	48		10	110
			Terphenyl-d14	100	45.04	45		14	112
O4567-10	SE-SOIL-5	BF135434.D	2-Fluorophenol	150	90.57	60		18	112
			Phenol-d6	150	90.14	60		15	107
			Nitrobenzene-d5	100	61.47	61		18	107
			2-Fluorobiphenyl	100	58.55	59		20	109
			2,4,6-Tribromophenol	150	68.24	45		10	110
			Terphenyl-d14	100	39.00	39		14	112
O4567-12	SE-SOIL-6	BF135435.D	2-Fluorophenol	150	63.81	43		18	112
			Phenol-d6	150	63.31	42		15	107
			Nitrobenzene-d5	100	43.49	43		18	107
			2-Fluorobiphenyl	100	46.27	46		20	109
			2,4,6-Tribromophenol	150	47.07	31		10	110
			Terphenyl-d14	100	31.30	31		14	112
O4569-01	ETGI-367	BF135440.D	2-Fluorophenol	150	78.49	52		18	112
			Phenol-d6	150	79.63	53		15	107
			Nitrobenzene-d5	100	55.57	56		18	107
			2-Fluorobiphenyl	100	55.17	55		20	109
			2,4,6-Tribromophenol	150	59.34	40		10	110
			Terphenyl-d14	100	36.29	36		14	112
PB155762BL	PB155762BL	BF135422.D	2-Fluorophenol	150	133.85	89		18	112
			Phenol-d6	150	132.23	88		15	107
			Nitrobenzene-d5	100	94.56	95		18	107



Surrogate Summary
SW-846

SDG No.: BF092523

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB155762BL	PB155762BL	BF135422.D	2-Fluorobiphenyl	100	89.79	90		20	109
			2,4,6-Tribromophenol	150	116.44	78		10	110
			Terphenyl-d14	100	79.42	79		14	112
PB155762BS	PB155762BS	BF135423.D	2-Fluorophenol	150	121.16	81		18	112
			Phenol-d6	150	120.75	80		15	107
			Nitrobenzene-d5	100	88.96	89		18	107
			2-Fluorobiphenyl	100	80.13	80		20	109
			2,4,6-Tribromophenol	150	106.13	71		10	110
			Terphenyl-d14	100	78.39	78		14	112

Surrogate Summary

SW-846

SDG No.: **BF092523**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O4540-01	CENTRAL-M-R-H	BF135429.D	2-Fluorophenol	150	63.68	42		10	139
			Phenol-d6	150	41.01	27		10	134
			Nitrobenzene-d5	100	93.27	93		49	133
			2-Fluorobiphenyl	100	85.49	85		52	132
			2,4,6-Tribromophenol	150	120.79	81		32	145
			Terphenyl-d14	100	79.88	80		36	145
O4540-02	EMBRIDGE-M-R-IBF	135432.D	2-Fluorophenol	150	41.08	27		10	139
			Phenol-d6	150	24.88	17		10	134
			Nitrobenzene-d5	100	75.11	75		49	133
			2-Fluorobiphenyl	100	70.98	71		52	132
			2,4,6-Tribromophenol	150	92.98	62		32	145
			Terphenyl-d14	100	73.35	73		36	145
O4540-03	TRANSCO-M-R-H	BF135430.D	2-Fluorophenol	150	60.31	40		10	139
			Phenol-d6	150	37.86	25		10	134
			Nitrobenzene-d5	100	92.74	93		49	133
			2-Fluorobiphenyl	100	90.45	90		52	132
			2,4,6-Tribromophenol	150	123.17	82		32	145
			Terphenyl-d14	100	85.71	86		36	145
O4574-01	FRAC-TANK-A242	BF135431.D	2-Fluorophenol	150	65.37	44		10	139
			Phenol-d6	150	41.87	28		10	134
			Nitrobenzene-d5	100	91.49	91		49	133
			2-Fluorobiphenyl	100	82.98	83		52	132
			2,4,6-Tribromophenol	150	116.78	78		32	145
			Terphenyl-d14	100	86.50	86		36	145
PB155763BL	PB155763BL	BF135424.D	2-Fluorophenol	150	119.67	80		10	139
			Phenol-d6	150	119.69	80		10	134
			Nitrobenzene-d5	100	84.57	85		49	133
			2-Fluorobiphenyl	100	79.33	79		52	132
			2,4,6-Tribromophenol	150	103.78	69		32	145
			Terphenyl-d14	100	72.06	72		36	145
PB155763BS	PB155763BS	BF135425.D	2-Fluorophenol	150	113.26	76		10	139
			Phenol-d6	150	111.60	74		10	134
			Nitrobenzene-d5	100	77.06	77		49	133
			2-Fluorobiphenyl	100	72.88	73		52	132
			2,4,6-Tribromophenol	150	98.78	66		32	145
			Terphenyl-d14	100	70.71	71		36	145
PB155763BSD	PB155763BSD	BF135426.D	2-Fluorophenol	150	113.66	76		10	139
			Phenol-d6	150	113.35	76		10	134
			Nitrobenzene-d5	100	77.83	78		49	133
			2-Fluorobiphenyl	100	72.54	73		52	132
			2,4,6-Tribromophenol	150	99.91	67		32	145
			Terphenyl-d14	100	69.13	69		36	145



Surrogate Summary
SW-846

SDG No.: BF092523

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O4582-01	EO-02-092223	BF135433.D	2-Fluorophenol	150	144.09	96		18	112
			Phenol-d6	150	146.90	98		15	107
			Nitrobenzene-d5	100	93.17	93		18	107
			2-Fluorobiphenyl	100	108.65	109		20	109
			2,4,6-Tribromophenol	150	113.69	76		10	110
			Terphenyl-d14	100	77.61	78		14	112



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF092523

Lab Code: CHEM

SAS No.: BF092523 SDG NO.: BF092523

Lab File ID: BF135420.D

DFTPP Injection Date: 09/25/2023

Instrument ID: BNA_F

DFTPP Injection Time: 11:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.2
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	31.9
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	44.4
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.3
275	10.0 - 60.0% of mass 198	25
365	Greater than 1% of mass 198	2.8
441	Present, but less than mass 443	15.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF135421.D	09/25/2023	12:09
PB155762BL	PB155762BL	BF135422.D	09/25/2023	12:40
PB155762BS	PB155762BS	BF135423.D	09/25/2023	13:11
PB155763BL	PB155763BL	BF135424.D	09/25/2023	13:42
PB155763BS	PB155763BS	BF135425.D	09/25/2023	14:12
PB155763BSD	PB155763BSD	BF135426.D	09/25/2023	14:44
PB155524BL	PB155524BL	BF135427.D	09/25/2023	15:15
PB155524BS	PB155524BS	BF135428.D	09/25/2023	15:45
CENTRAL-M-R-HEATER	O4540-01	BF135429.D	09/25/2023	16:19
TRANSCO-M-R-HEATER	O4540-03	BF135430.D	09/25/2023	16:50
FRAC-TANK-A2421	O4574-01	BF135431.D	09/25/2023	17:21
EMBRIDGE-M-R-HEATER	O4540-02	BF135432.D	09/25/2023	17:52
EO-02-092223	O4582-01	BF135433.D	09/25/2023	18:22
SE-SOIL-5	O4567-10	BF135434.D	09/25/2023	18:53
SE-SOIL-6	O4567-12	BF135435.D	09/25/2023	19:24
SE-SOIL-1	O4567-02	BF135436.D	09/25/2023	19:54
SE-SOIL-2	O4567-04	BF135437.D	09/25/2023	20:25
SE-SOIL-3	O4567-06	BF135438.D	09/25/2023	20:55
SE-SOIL-4	O4567-08	BF135439.D	09/25/2023	21:26



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BF092523Lab Code: CHEMSAS No.: BF092523 SDG NO.: BF092523Lab File ID: BF135420.DDFTPP Injection Date: 09/25/2023Instrument ID: BNA_FDFTPP Injection Time: 11:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.2
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	31.9
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	44.4
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.3
275	10.0 - 60.0% of mass 198	25
365	Greater than 1% of mass 198	2.8
441	Present, but less than mass 443	15.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
ETGI-367	04569-01	BF135440.D	09/25/2023	21:56
350	04521-01	BF135441.D	09/25/2023	22:27