

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF072424 SAS No.: BF072424 SDG No.: BF072424

Instrument ID: BNA_F Calibration Date/Time: 7/24/2024 11:02

Lab File ID: BF138632.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	0.898	0.859		-4.343	
Pyridine	1.379	1.424		3.263	
2-Fluorophenol	1.263	1.284		1.663	
Benzaldehyde	0.899	0.890		-1.001	
Aniline	1.573	1.594		1.335	
Phenol-d6	1.680	1.743		3.75	
Phenol	1.783	1.841		3.253	20.0
bis(2-Chloroethyl) ether	1.343	1.376		2.457	
2-Chlorophenol	1.335	1.364		2.172	
1,2-Dichlorobenzene	1.420	1.411		-0.634	
1,3-Dichlorobenzene	1.501	1.514		0.866	
1,4-Dichlorobenzene	1.524	1.520		-0.262	20.0
Benzyl Alcohol	1.261	1.279		1.427	
2-Methylphenol	1.094	1.143		4.479	
2,2-oxybis(1-Chloropropane)	2.640	2.388		-9.545	
Acetophenone	0.486	0.485		-0.206	
3+4-Methylphenols	1.378	1.408		2.177	
n-Nitroso-di-n-propylamine	1.038	1.029	0.050	-0.867	
Nitrobenzene-d5	0.407	0.415		1.966	
Hexachloroethane	0.560	0.584		4.286	
Nitrobenzene	0.414	0.424		2.415	
Isophorone	0.700	0.706		0.857	
2-Nitrophenol	0.177	0.186		5.085	20.0
2,4-Dimethylphenol	0.218	0.219		0.459	
bis(2-Chloroethoxy) methane	0.418	0.427		2.153	
2,4-Dichlorophenol	0.283	0.284		0.353	20.0
1,2,4-Trichlorobenzene	0.330	0.315		-4.545	
Benzoic acid	0.208	0.192		-7.692	
Naphthalene	1.040	1.046		0.577	
4-Chloroaniline	0.365	0.353		-3.288	
Hexachlorobutadiene	0.203	0.192		-5.419	20.0
Caprolactam	0.091	0.090		-1.099	
4-Chloro-3-methylphenol	0.317	0.323		1.893	20.0
2-Methylnaphthalene	0.669	0.663		-0.897	
Hexachlorocyclopentadiene	0.181	0.207	0.050	14.365	
2,4,6-Trichlorophenol	0.356	0.342		-3.933	20.0
2-Fluorobiphenyl	1.280	1.267		-1.016	
2,4,5-Trichlorophenol	0.391	0.371		-5.115	
1,1-Biphenyl	1.516	1.535		1.253	

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Instrument ID: BNA_F Calibration Date/Time: 7/24/2024 11:02

Lab File ID: BF138632.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.145	1.131		-1.223	
2-Nitroaniline	0.397	0.418		5.29	
Dimethylphthalate	1.293	1.294		0.077	
Acenaphthylene	1.626	1.644		1.107	
2,6-Dinitrotoluene	0.298	0.302		1.342	
3-Nitroaniline	0.305	0.299		-1.967	
Acenaphthene	1.081	1.085		0.37	20.0
2,4-Dinitrophenol	0.141	0.140	0.050	-0.709	
4-Nitrophenol	0.225	0.204	0.050	-9.333	
Dibenzofuran	1.567	1.560		-0.447	
2,4-Dinitrotoluene	0.385	0.396		2.857	
Diethylphthalate	1.247	1.266		1.524	
4-Chlorophenyl-phenylether	0.623	0.606		-2.729	
Fluorene	1.240	1.250		0.806	
4-Nitroaniline	0.306	0.297		-2.941	
4,6-Dinitro-2-methylphenol	0.115	0.125		8.696	
n-Nitrosodiphenylamine	0.599	0.614		2.504	20.0
Azobenzene	1.340	1.368		2.09	
2,4,6-Tribromophenol	0.187	0.194		3.743	
4-Bromophenyl-phenylether	0.206	0.211		2.427	
Hexachlorobenzene	0.228	0.233		2.193	
Atrazine	0.199	0.184		-7.538	
Pentachlorophenol	0.135	0.122		-9.63	20.0
Phenanthrene	1.010	1.019		0.891	
Anthracene	1.003	1.000		-0.299	
Carbazole	0.901	0.876		-2.775	
Di-n-butylphthalate	1.039	1.057		1.732	
Fluoranthene	1.031	0.962		-6.693	20.0
Benzidine	0.505	0.412		-18.416	
Pyrene	2.030	2.177		7.241	
Terphenyl-d14	1.228	1.352		10.098	
Butylbenzylphthalate	0.611	0.669		9.493	
3,3-Dichlorobenzidine	0.346	0.379		9.538	
Benzo(a)anthracene	1.342	1.409		4.993	
Chrysene	1.270	1.218		-4.094	
Bis(2-ethylhexyl)phthalate	0.651	0.809		24.27	
Di-n-octyl phthalate	1.029	1.413		37.318	20.0
Benzo(b)fluoranthene	1.126	1.144		1.599	
Benzo(k)fluoranthene	1.099	1.003		-8.735	

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Instrument ID: BNA_F Calibration Date/Time: 7/24/2024 11:02

Lab File ID: BF138632.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	0.989	0.989		0.0	20.0
Indeno(1,2,3-cd)pyrene	1.343	1.417		5.51	
Dibenzo(a,h)anthracene	1.099	1.140		3.731	
Benzo(g,h,i)perylene	1.165	1.192		2.318	
1,2,4,5-Tetrachlorobenzene	0.557	0.544		-2.334	
1,4-Dioxane	0.559	0.575		2.862	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.299		-3.236	
1-Methylnaphthalene	0.653	0.642		-1.685	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	PB162159BL	SDG No.:	BF072424
Lab Sample ID:	PB162159BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138633.D	1	7/19/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162159

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

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	PB162159BL	SDG No.:	BF072424
Lab Sample ID:	PB162159BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138633.D	1	7/19/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162159

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

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	PB162159BL	SDG No.:	BF072424
Lab Sample ID:	PB162159BL	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
BF138633.D	1	7/19/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162159

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.6	U	74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	146.2		18-112		97	SPK: -150
13127-88-3	Phenol-d6	146.895		15-107		98	SPK: -150
4165-60-0	Nitrobenzene-d5	95.854		18-107		96	SPK: -100
321-60-8	2-Fluorobiphenyl	95.744		20-109		96	SPK: -100

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	PB162159BL	SDG No.:	BF072424
Lab Sample ID:	PB162159BL	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
BF138633.D	1	7/19/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162159

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	147.775		10-110		99	SPK: -150
1718-51-0	Terphenyl-d14	96.912		14-112		97	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	74314	6.851				
1146-65-2	Naphthalene-d8	310692	8.133				
15067-26-2	Acenaphthene-d10	171174	9.886				
1517-22-2	Phenanthrene-d10	312893	11.374				
1719-03-5	Chrysene-d12	204145	14.01				
1520-96-3	Perylene-d12	161356	15.474				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	110	J			2.21	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	280	A			5.098	
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	130	J			16.962	

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	PB162159BS	SDG No.:	BF072424
Lab Sample ID:	PB162159BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138634.D	1	7/19/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162159

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		86.7	270	330	ug/Kg
110-86-1	Pyridine	1300		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	200	J	180	270	330	ug/Kg
62-53-3	Aniline	1200		96.8	130	170	ug/Kg
108-95-2	Phenol	1500		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1400		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1600		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1400		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.7	130	170	ug/Kg
78-59-1	Isophorone	1500		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1100		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	800		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1300		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	PB162159BS	SDG No.:	BF072424
Lab Sample ID:	PB162159BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138634.D	1	7/19/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162159

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1400		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3800	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	950		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1500		81	130	170	ug/Kg
Total PAH	Total PAH	24700		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2800	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	2800	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3000		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1600		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.5	130	170	ug/Kg
86-73-7	Fluorene	1500		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1500		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1600		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1400		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	PB162159BS	SDG No.:	BF072424
Lab Sample ID:	PB162159BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138634.D	1	7/19/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162159

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2600		77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1500		83.9	130	170	ug/Kg
120-12-7	Anthracene	1600		84.3	130	170	ug/Kg
86-74-8	Carbazole	1500		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1500		81.6	130	170	ug/Kg
92-87-5	Benzidine	900		160	270	330	ug/Kg
129-00-0	Pyrene	1600		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	130	170	ug/Kg
218-01-9	Chrysene	1500		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	2000		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1300		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	125.528		18-112		84	SPK: -150
13127-88-3	Phenol-d6	126.364		15-107		84	SPK: -150
4165-60-0	Nitrobenzene-d5	83.39		18-107		83	SPK: -100
321-60-8	2-Fluorobiphenyl	81.289		20-109		81	SPK: -100



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

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	PB162159BS	SDG No.:	BF072424
Lab Sample ID:	PB162159BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138634.D	1	7/19/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162159

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	129.94		10-110		87	SPK: -150
1718-51-0	Terphenyl-d14	108.036		14-112		108	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82866	6.851				
1146-65-2	Naphthalene-d8	342224	8.133				
15067-26-2	Acenaphthene-d10	189702	9.892				
1517-22-2	Phenanthrene-d10	332399	11.374				
1719-03-5	Chrysene-d12	152336	14.015				
1520-96-3	Perylene-d12	168429	15.474				

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	PB162224BL	SDG No.:	BF072424
Lab Sample ID:	PB162224BL	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
BF138635.D	1	7/23/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162224

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

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	PB162224BL	SDG No.:	BF072424
Lab Sample ID:	PB162224BL	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
BF138635.D	1	7/23/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162224

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

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	PB162224BL	SDG No.:	BF072424
Lab Sample ID:	PB162224BL	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
BF138635.D	1	7/23/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L
92-87-5	Benzidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	146.072		10-139		97	SPK: -150
13127-88-3	Phenol-d6	145.121		10-134		97	SPK: -150
4165-60-0	Nitrobenzene-d5	96.201		49-133		96	SPK: -100
321-60-8	2-Fluorobiphenyl	97.647		52-132		98	SPK: -100

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	PB162224BL	SDG No.:	BF072424
Lab Sample ID:	PB162224BL	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
BF138635.D	1	7/23/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	147.855		32-145		99	SPK: -150
1718-51-0	Terphenyl-d14	102.042		36-145		102	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	74399	6.851				
1146-65-2	Naphthalene-d8	310901	8.134				
15067-26-2	Acenaphthene-d10	167451	9.886				
1517-22-2	Phenanthrene-d10	307825	11.375				
1719-03-5	Chrysene-d12	187692	14.01				
1520-96-3	Perylene-d12	148917	15.468				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	3.5	J			2.211	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	8.3	A			5.099	

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	PB162224BS	SDG No.:	BF072424
Lab Sample ID:	PB162224BS	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
BF138636.D	1	7/23/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	44.5		1	8	10	ug/L
110-86-1	Pyridine	38.2		1.6	4	5	ug/L
100-52-7	Benzaldehyde	5.9	J	4	8	10	ug/L
62-53-3	Aniline	34.5		1.6	4	5	ug/L
108-95-2	Phenol	46.5		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	47.3		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	48		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	45.4		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	43.7		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	43.7		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	47.6		1.6	8	10	ug/L
95-48-7	2-Methylphenol	46.9		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	42.9		1.4	4	5	ug/L
98-86-2	Acetophenone	41.6		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	47.2		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	47.6		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	45.3		1	4	5	ug/L
98-95-3	Nitrobenzene	43.5		1.3	4	5	ug/L
78-59-1	Isophorone	46.2		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	46.8		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	48.5		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	45.6		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	44.1		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	41.1		1.1	4	5	ug/L
65-85-0	Benzoic acid	34.8		5.5	8	10	ug/L
91-20-3	Naphthalene	43.6		1	4	5	ug/L
106-47-8	4-Chloroaniline	21.6		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	39.6		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	PB162224BS	SDG No.:	BF072424
Lab Sample ID:	PB162224BS	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
BF138636.D	1	7/23/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	42.9		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	46		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	43.6		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	110	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	42.6		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	41.3		1	4	5	ug/L
92-52-4	1,1-Biphenyl	41		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	42.5		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	47		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	46.6		0.93	4	5	ug/L
208-96-8	Acenaphthylene	48.2		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	44.1		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	27.6		1.4	4	5	ug/L
83-32-9	Acenaphthene	44.2		0.81	4	5	ug/L
Total PAH	Total PAH	739.4		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	83.3	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	82.3	E	2	8	10	ug/L
132-64-9	Dibenzofuran	44.7		0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	45.8		1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.9		2.7	4	10	ug/L
84-66-2	Diethylphthalate	46.4		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.6		0.98	4	5	ug/L
86-73-7	Fluorene	44.5		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	42.7		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	49.5		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	47		0.89	4	5	ug/L
103-33-3	Azobenzene	47.3		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	45.1		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	44.8		1.1	4	5	ug/L
1912-24-9	Atrazine	43.7		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	PB162224BS	SDG No.:	BF072424
Lab Sample ID:	PB162224BS	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
BF138636.D	1	7/23/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2		1.9	8	10	ug/L
85-01-8	Phenanthrene	46.5		0.89	4	5	ug/L
120-12-7	Anthracene	47.6		1.1	4	5	ug/L
86-74-8	Carbazole	44.8		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	48.8		1.5	4	5	ug/L
206-44-0	Fluoranthene	43.2		1.3	4	5	ug/L
92-87-5	Benzidine	28		4.1	8	10	ug/L
129-00-0	Pyrene	49		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	54.4		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	33.4		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	47		0.94	4	5	ug/L
218-01-9	Chrysene	46.8		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	59.4		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	61.8		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	50.1		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	39.3		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	48.9		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	48.8		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	47.9		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	43.8		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39.4		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	35.7		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	45.2		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	41.6		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	125.335		10-139		84	SPK: -150
13127-88-3	Phenol-d6	126.328		10-134		84	SPK: -150
4165-60-0	Nitrobenzene-d5	83.019		49-133		83	SPK: -100
321-60-8	2-Fluorobiphenyl	82.278		52-132		82	SPK: -100



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

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	PB162224BS	SDG No.:	BF072424
Lab Sample ID:	PB162224BS	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
BF138636.D	1	7/23/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	129.443		32-145		86	SPK: -150
1718-51-0	Terphenyl-d14	108.974		36-145		109	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82445	6.851				
1146-65-2	Naphthalene-d8	340645	8.134				
15067-26-2	Acenaphthene-d10	189271	9.892				
1517-22-2	Phenanthrene-d10	330092	11.375				
1719-03-5	Chrysene-d12	147111	14.01				
1520-96-3	Perylene-d12	170250	15.468				

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	PB162198TB	SDG No.:	BF072424
Lab Sample ID:	PB162198TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138637.D	1	7/23/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162224

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

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	PB162198TB	SDG No.:	BF072424
Lab Sample ID:	PB162198TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138637.D	1	7/23/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162224

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

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	PB162198TB	SDG No.:	BF072424
Lab Sample ID:	PB162198TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138637.D	1	7/23/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	141.854		10-139		95	SPK: -150
13127-88-3	Phenol-d6	138.613		10-134		92	SPK: -150
4165-60-0	Nitrobenzene-d5	93.694		49-133		94	SPK: -100
321-60-8	2-Fluorobiphenyl	93.188		52-132		93	SPK: -100

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	PB162198TB	SDG No.:	BF072424
Lab Sample ID:	PB162198TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138637.D	1	7/23/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	140.446		32-145		94	SPK: -150
1718-51-0	Terphenyl-d14	101.358		36-145		101	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	74798	6.851				
1146-65-2	Naphthalene-d8	308753	8.134				
15067-26-2	Acenaphthene-d10	167365	9.886				
1517-22-2	Phenanthrene-d10	304749	11.369				
1719-03-5	Chrysene-d12	186887	14.004				
1520-96-3	Perylene-d12	148093	15.468				

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	PB162142BL	SDG No.:	BF072424
Lab Sample ID:	PB162142BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138638.D	1	7/18/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162142

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

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	PB162142BL	SDG No.:	BF072424
Lab Sample ID:	PB162142BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138638.D	1	7/18/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162142

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

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	PB162142BL	SDG No.:	BF072424
Lab Sample ID:	PB162142BL	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
BF138638.D	1	7/18/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162142

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.6	U	74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	144.627		18-112		96	SPK: -150
13127-88-3	Phenol-d6	144.051		15-107		96	SPK: -150
4165-60-0	Nitrobenzene-d5	96.333		18-107		96	SPK: -100
321-60-8	2-Fluorobiphenyl	96.107		20-109		96	SPK: -100

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	PB162142BL	SDG No.:	BF072424
Lab Sample ID:	PB162142BL	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
BF138638.D	1	7/18/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162142

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	146.331		10-110		98	SPK: -150
1718-51-0	Terphenyl-d14	103.276		14-112		103	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	75928	6.851				
1146-65-2	Naphthalene-d8	313369	8.134				
15067-26-2	Acenaphthene-d10	172868	9.886				
1517-22-2	Phenanthrene-d10	313619	11.369				
1719-03-5	Chrysene-d12	192014	14.004				
1520-96-3	Perylene-d12	149541	15.468				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	120	J			2.216	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	280	A			5.098	

Report of Analysis

Client:		Date Collected:	7/24/2024 12:00:00 AM
Project:		Date Received:	7/24/2024 12:00:00 AM
Client Sample ID:	PB162256BL	SDG No.:	BF072424
Lab Sample ID:	PB162256BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138639.D	1	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

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

Report of Analysis

Client:		Date Collected:	7/24/2024 12:00:00 AM
Project:		Date Received:	7/24/2024 12:00:00 AM
Client Sample ID:	PB162256BL	SDG No.:	BF072424
Lab Sample ID:	PB162256BL	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
BF138639.D	1	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

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

Report of Analysis

Client:		Date Collected:	7/24/2024 12:00:00 AM
Project:		Date Received:	7/24/2024 12:00:00 AM
Client Sample ID:	PB162256BL	SDG No.:	BF072424
Lab Sample ID:	PB162256BL	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
BF138639.D	1	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	84	U	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83	U	83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	130	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	147.223		18-112		98	SPK: -150
13127-88-3	Phenol-d6	146.228		15-107		97	SPK: -150
4165-60-0	Nitrobenzene-d5	96.449		18-107		96	SPK: -100
321-60-8	2-Fluorobiphenyl	95.098		20-109		95	SPK: -100

Report of Analysis

Client:		Date Collected:	7/24/2024 12:00:00 AM
Project:		Date Received:	7/24/2024 12:00:00 AM
Client Sample ID:	PB162256BL	SDG No.:	BF072424
Lab Sample ID:	PB162256BL	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
BF138639.D	1	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	142.836		10-110		95	SPK: -150
1718-51-0	Terphenyl-d14	103.137		14-112		103	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	75388	6.851				
1146-65-2	Naphthalene-d8	314692	8.133				
15067-26-2	Acenaphthene-d10	173622	9.886				
1517-22-2	Phenanthrene-d10	311033	11.368				
1719-03-5	Chrysene-d12	191049	14.004				
1520-96-3	Perylene-d12	150505	15.468				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	110	J			2.216	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	280	A			5.098	

Report of Analysis

Client:		Date Collected:	7/24/2024 12:00:00 AM
Project:		Date Received:	7/24/2024 12:00:00 AM
Client Sample ID:	PB162256BS	SDG No.:	BF072424
Lab Sample ID:	PB162256BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138640.D	1	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		86.7	270	330	ug/Kg
110-86-1	Pyridine	1300		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	200	J	180	270	330	ug/Kg
62-53-3	Aniline	1200		96.8	130	170	ug/Kg
108-95-2	Phenol	1500		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1600		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1400		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.7	130	170	ug/Kg
78-59-1	Isophorone	1500		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1100		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	670		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1300		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/24/2024 12:00:00 AM
Project:		Date Received:	7/24/2024 12:00:00 AM
Client Sample ID:	PB162256BS	SDG No.:	BF072424
Lab Sample ID:	PB162256BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138640.D	1	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1400		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3700	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1600		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	920		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1500		81	130	170	ug/Kg
Total PAH	Total PAH	24800		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2700	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	2700	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3000		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1600		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.5	130	170	ug/Kg
86-73-7	Fluorene	1500		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1500		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1600		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1500		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/24/2024 12:00:00 AM
Project:		Date Received:	7/24/2024 12:00:00 AM
Client Sample ID:	PB162256BS	SDG No.:	BF072424
Lab Sample ID:	PB162256BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138640.D	1	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2500		77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1500		83.9	130	170	ug/Kg
120-12-7	Anthracene	1600		84.3	130	170	ug/Kg
86-74-8	Carbazole	1500		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1400		81.6	130	170	ug/Kg
92-87-5	Benzidine	880		160	270	330	ug/Kg
129-00-0	Pyrene	1600		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	130	170	ug/Kg
218-01-9	Chrysene	1600		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	2000		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1300		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	125.978		18-112		84	SPK: -150
13127-88-3	Phenol-d6	126.276		15-107		84	SPK: -150
4165-60-0	Nitrobenzene-d5	83.72		18-107		84	SPK: -100
321-60-8	2-Fluorobiphenyl	82.679		20-109		83	SPK: -100

Report of Analysis

Client:		Date Collected:	7/24/2024 12:00:00 AM
Project:		Date Received:	7/24/2024 12:00:00 AM
Client Sample ID:	PB162256BS	SDG No.:	BF072424
Lab Sample ID:	PB162256BS	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
BF138640.D	1	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	130.823		10-110		87	SPK: -150
1718-51-0	Terphenyl-d14	107.731		14-112		108	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	83060	6.851				
1146-65-2	Naphthalene-d8	340347	8.134				
15067-26-2	Acenaphthene-d10	187813	9.892				
1517-22-2	Phenanthrene-d10	330524	11.375				
1719-03-5	Chrysene-d12	149555	14.01				
1520-96-3	Perylene-d12	168394	15.468				

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	SU-03-072324	SDG No.:	BF072424
Lab Sample ID:	P3339-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.1
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138641.D	1	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	56	U	56	170	210	ug/Kg
110-86-1	Pyridine	51.5	U	51.5	83.8	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	170	210	ug/Kg
62-53-3	Aniline	62.5	U	62.5	83.8	110	ug/Kg
108-95-2	Phenol	53.5	U	53.5	83.8	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	54	U	54	83.8	110	ug/Kg
95-57-8	2-Chlorophenol	53.8	U	53.8	83.8	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54.6	U	54.6	83.8	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	55.5	U	55.5	83.8	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	55.8	U	55.8	83.8	110	ug/Kg
100-51-6	Benzyl Alcohol	53.5	U	53.5	170	210	ug/Kg
95-48-7	2-Methylphenol	52	U	52	83.8	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	58.6	U	58.6	83.8	110	ug/Kg
98-86-2	Acetophenone	56	U	56	83.8	110	ug/Kg
65794-96-9	3+4-Methylphenols	51.5	U	51.5	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	26	U	26	51.6	51.6	ug/Kg
67-72-1	Hexachloroethane	53.5	U	53.5	83.8	110	ug/Kg
98-95-3	Nitrobenzene	58.6	U	58.6	83.8	110	ug/Kg
78-59-1	Isophorone	54.6	U	54.6	83.8	110	ug/Kg
88-75-5	2-Nitrophenol	60.9	U	60.9	83.8	110	ug/Kg
105-67-9	2,4-Dimethylphenol	60.1	U	60.1	83.8	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	55.3	U	55.3	83.8	110	ug/Kg
120-83-2	2,4-Dichlorophenol	48.7	U	48.7	83.8	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	55.1	U	55.1	83.8	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	870		53.3	83.8	110	ug/Kg
106-47-8	4-Chloroaniline	53.3	U	53.3	83.8	110	ug/Kg
87-68-3	Hexachlorobutadiene	53.7	U	53.7	83.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	SU-03-072324	SDG No.:	BF072424
Lab Sample ID:	P3339-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.1
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138641.D	1	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	56	U	56	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	50	U	50	83.8	110	ug/Kg
91-57-6	2-Methylnaphthalene	450		53.2	83.8	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46	U	46	83.8	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	47.7	U	47.7	83.8	110	ug/Kg
92-52-4	1,1-Biphenyl	150		56.4	83.8	110	ug/Kg
91-58-7	2-Chloronaphthalene	53.7	U	53.7	83.8	110	ug/Kg
88-74-4	2-Nitroaniline	61.3	U	61.3	83.8	110	ug/Kg
131-11-3	Dimethylphthalate	52.7	U	52.7	83.8	110	ug/Kg
208-96-8	Acenaphthylene	93.2	J	55.8	83.8	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.6	U	53.6	83.8	110	ug/Kg
99-09-2	3-Nitroaniline	57.5	U	57.5	83.8	110	ug/Kg
83-32-9	Acenaphthene	350		52.3	83.8	110	ug/Kg
Total PAH	Total PAH	20743.2		854.7	83.8	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	170	210	ug/Kg
100-02-7	4-Nitrophenol	74.8	U	74.8	170	210	ug/Kg
132-64-9	Dibenzofuran	590		54.4	83.8	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.6	U	55.6	83.8	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	109.2	U	109.2	83.8	220	ug/Kg
84-66-2	Diethylphthalate	51.7	U	51.7	83.8	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	55.2	U	55.2	83.8	110	ug/Kg
86-73-7	Fluorene	880		55.1	83.8	110	ug/Kg
100-01-6	4-Nitroaniline	69	U	69	83.8	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	75.4	U	75.4	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	52.6	U	52.6	83.8	110	ug/Kg
103-33-3	Azobenzene	51.3	U	51.3	83.8	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	50.9	U	50.9	83.8	110	ug/Kg
118-74-1	Hexachlorobenzene	54.8	U	54.8	83.8	110	ug/Kg
1912-24-9	Atrazine	58.9	U	58.9	83.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	SU-03-072324	SDG No.:	BF072424
Lab Sample ID:	P3339-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.1
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138641.D	1	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	49.8	U	49.8	170	210	ug/Kg
85-01-8	Phenanthrene	3500	E	54.2	83.8	110	ug/Kg
120-12-7	Anthracene	1000		54.4	83.8	110	ug/Kg
86-74-8	Carbazole	370		51.8	83.8	110	ug/Kg
84-74-2	Di-n-butylphthalate	54.4	U	54.4	83.8	110	ug/Kg
206-44-0	Fluoranthene	3500	E	52.7	83.8	110	ug/Kg
92-87-5	Benzidine	110	U	110	170	210	ug/Kg
129-00-0	Pyrene	2000	E	53.5	83.8	110	ug/Kg
85-68-7	Butylbenzylphthalate	62.4	U	62.4	83.8	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	63.6	U	63.6	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	1700		52	83.8	110	ug/Kg
218-01-9	Chrysene	1300		51.3	83.8	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	58.7	U	58.7	83.8	110	ug/Kg
117-84-0	Di-n-octyl phthalate	70.9	U	70.9	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900	E	52.3	83.8	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	660		53.3	83.8	110	ug/Kg
50-32-8	Benzo(a)pyrene	1500		60	83.8	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	630		50.4	83.8	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	200		52.4	83.8	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	660		51.7	83.8	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	56	U	56	83.8	110	ug/Kg
123-91-1	1,4-Dioxane	70.9	U	70.9	83.8	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.2	U	48.2	83.8	110	ug/Kg
90-12-0	1-Methylnaphthalene	290		53.6	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	108.684		18-112		72	SPK: -150
13127-88-3	Phenol-d6	108.779		15-107		73	SPK: -150
4165-60-0	Nitrobenzene-d5	73.38		18-107		73	SPK: -100
321-60-8	2-Fluorobiphenyl	77.285		20-109		77	SPK: -100

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	SU-03-072324	SDG No.:	BF072424
Lab Sample ID:	P3339-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.1
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138641.D	1	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	85.961		10-110		57	SPK: -150
1718-51-0	Terphenyl-d14	70.114		14-112		70	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	73349	6.851				
1146-65-2	Naphthalene-d8	286876	8.134				
15067-26-2	Acenaphthene-d10	132190	9.886				
1517-22-2	Phenanthrene-d10	168840	11.374				
1719-03-5	Chrysene-d12	120236	14.015				
1520-96-3	Perylene-d12	98120	15.474				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1500	J			2.134	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	130	A			5.075	
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	120	J			9.151	
000575-43-9	Naphthalene, 1,6-dimethyl-	190	J			9.469	
000581-40-8	Naphthalene, 2,3-dimethyl-	320	J			9.545	
003386-33-2	Octadecane, 1-chloro-	350	J			9.604	
000582-16-1	Naphthalene, 2,7-dimethyl-	170	J			9.663	
000544-76-3	Hexadecane	620	J			9.816	
	unknown9.986	300	J			9.986	
000629-50-5	Tridecane	810	J			10.316	
003892-00-0	Pentadecane, 2,6,10-trimethyl-	400	J			10.533	
000629-78-7	Heptadecane	300	J			10.792	
000593-45-3	Octadecane	190	J			11.233	
000593-49-7	Heptacosane	150	J			11.663	
007225-66-3	Tridecane, 7-hexyl-	120	J			12.069	
000629-94-7	Heneicosane	110	J			12.457	
033543-31-6	Fluoranthene, 2-methyl-	170	J			13.145	
000243-17-4	11H-Benzo[b]fluorene	110	J			13.21	
000192-97-2	Benzo[e]pyrene	260	J			15.157	



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

Report of Analysis

Client:			Date Collected:	7/23/2024 12:00:00 AM
Project:			Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	SU-03-072324		SDG No.:	BF072424
Lab Sample ID:	P3339-01		Matrix:	Solid
Analytical Method:	8270E		% Moisture:	7.1
Sample Wt/Vol:	50.08	Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	
Extraction Type :		Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138641.D	1	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000198-55-0	Perylene	780	J			15.351	

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	GREEN-STREET-B	SDG No.:	BF072424
Lab Sample ID:	P3340-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.6
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138642.D	1	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	100	U	100	320	390	ug/Kg
110-86-1	Pyridine	93.4	U	93.4	150	200	ug/Kg
100-52-7	Benzaldehyde	210	U	210	320	390	ug/Kg
62-53-3	Aniline	110	U	110	150	200	ug/Kg
108-95-2	Phenol	96.9	U	96.9	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	97.8	U	97.8	150	200	ug/Kg
95-57-8	2-Chlorophenol	97.6	U	97.6	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	98.9	U	98.9	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	100	U	100	150	200	ug/Kg
100-51-6	Benzyl Alcohol	97	U	97	320	390	ug/Kg
95-48-7	2-Methylphenol	94.2	U	94.2	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	93.3	U	93.3	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.1	U	47.1	93.5	93.5	ug/Kg
67-72-1	Hexachloroethane	97	U	97	150	200	ug/Kg
98-95-3	Nitrobenzene	110	U	110	150	200	ug/Kg
78-59-1	Isophorone	98.9	U	98.9	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	100	U	100	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	88.2	U	88.2	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	99.8	U	99.8	150	200	ug/Kg
65-85-0	Benzoic acid	280	U	280	320	390	ug/Kg
91-20-3	Naphthalene	96.5	U	96.5	150	200	ug/Kg
106-47-8	4-Chloroaniline	96.5	U	96.5	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	97.3	U	97.3	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	GREEN-STREET-B	SDG No.:	BF072424
Lab Sample ID:	P3340-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.6
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138642.D	1	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	100	U	100	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	90.6	U	90.6	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	96.4	U	96.4	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	83.4	U	83.4	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	86.5	U	86.5	150	200	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	97.3	U	97.3	150	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	200	ug/Kg
131-11-3	Dimethylphthalate	95.5	U	95.5	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	97.2	U	97.2	150	200	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	150	200	ug/Kg
83-32-9	Acenaphthene	94.8	U	94.8	150	200	ug/Kg
Total PAH	Total PAH	6760		1548.8	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	320	390	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	320	390	ug/Kg
132-64-9	Dibenzofuran	98.6	U	98.6	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	97.2	U	197.2	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	150	200	ug/Kg
84-66-2	Diethylphthalate	93.6	U	93.6	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	200	ug/Kg
86-73-7	Fluorene	99.9	U	99.9	150	200	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	95.4	U	95.4	150	200	ug/Kg
103-33-3	Azobenzene	93	U	93	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	92.2	U	92.2	150	200	ug/Kg
118-74-1	Hexachlorobenzene	99.3	U	99.3	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg



Client:			Date Collected:	7/23/2024 12:00:00 AM	
Project:			Date Received:	7/23/2024 12:00:00 AM	
Client Sample ID:	GREEN-STREET-B		SDG No.:	BF072424	
Lab Sample ID:	P3340-04		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	14.6	
Sample Wt/Vol:	30.06	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:		
Extraction Type :		Decanted :	Level :	LOW	
Injection Volume :		GPC Factor :	GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138642.D	1	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	90.3	U	90.3	320	390	ug/Kg
85-01-8	Phenanthrene	890		98.2	150	200	ug/Kg
120-12-7	Anthracene	270		98.6	150	200	ug/Kg
86-74-8	Carbazole	93.8	U	93.8	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	98.5	U	98.5	150	200	ug/Kg
206-44-0	Fluoranthene	1300		95.5	150	200	ug/Kg
92-87-5	Benzidine	190	U	190	320	390	ug/Kg
129-00-0	Pyrene	980		97	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	640		94.3	150	200	ug/Kg
218-01-9	Chrysene	550		92.9	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	740		94.8	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	230		96.5	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	570		110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	270		91.3	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	94.9	U	94.9	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	320		93.6	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	130	U	130	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	87.3	U	87.3	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	97.2	U	97.2	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	78.025		18-112		52	SPK: -150
13127-88-3	Phenol-d6	79.04		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	55.557		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	61.831		20-109		62	SPK: -100

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	GREEN-STREET-B	SDG No.:	BF072424
Lab Sample ID:	P3340-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.6
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138642.D	1	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	63.523		10-110		42	SPK: -150
1718-51-0	Terphenyl-d14	54.85		14-112		55	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	87072	6.851				
1146-65-2	Naphthalene-d8	330497	8.133				
15067-26-2	Acenaphthene-d10	143994	9.886				
1517-22-2	Phenanthrene-d10	183545	11.369				
1719-03-5	Chrysene-d12	114659	14.01				
1520-96-3	Perylene-d12	88626	15.468				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1900	J			2.14	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	170	A			5.069	
	unknown10.792	95	J			10.792	
000132-65-0	Dibenzothiophene	95.8	J			11.263	
000832-69-9	Phenanthrene, 1-methyl-	140	J			11.874	
002531-84-2	Phenanthrene, 2-methyl-	350	J			11.898	
000610-48-0	Anthracene, 1-methyl-	82.6	J			11.945	
000203-64-5	4H-Cyclopenta[def]phenanthrene	370	J			11.986	
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	98.2	J			12.169	
000781-43-1	9,10-Dimethylantracene	150	J			12.421	
000781-17-9	Pyrene, 4,5,9,10-tetrahydro-	100	J			12.457	
002381-21-7	Pyrene, 1-methyl-	93.1	J			13.027	
033543-31-6	Fluoranthene, 2-methyl-	180	J			13.139	
000243-17-4	11H-Benzo[b]fluorene	87.6	J			13.368	
000296-56-0	Cycloeicosane	110	J			13.863	
000192-97-2	Benzo[e]pyrene	300	J			15.345	

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	GREEN-STREET-A	SDG No.:	BF072424
Lab Sample ID:	P3340-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.1
Sample Wt/Vol:	30.09	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
BF138643.D	2	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	210	U	210	650	790	ug/Kg
110-86-1	Pyridine	190	U	190	310	410	ug/Kg
100-52-7	Benzaldehyde	440	U	440	650	790	ug/Kg
62-53-3	Aniline	230	U	230	310	410	ug/Kg
108-95-2	Phenol	200	U	200	310	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	200	U	200	310	410	ug/Kg
95-57-8	2-Chlorophenol	200	U	200	310	410	ug/Kg
95-50-1	1,2-Dichlorobenzene	200	U	200	310	410	ug/Kg
541-73-1	1,3-Dichlorobenzene	210	U	210	310	410	ug/Kg
106-46-7	1,4-Dichlorobenzene	210	U	210	310	410	ug/Kg
100-51-6	Benzyl Alcohol	200	U	200	650	790	ug/Kg
95-48-7	2-Methylphenol	190	U	190	310	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	220	U	220	310	410	ug/Kg
98-86-2	Acetophenone	210	U	210	310	410	ug/Kg
65794-96-9	3+4-Methylphenols	190	U	190	650	790	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	96.9	U	96.9	190	190	ug/Kg
67-72-1	Hexachloroethane	200	U	200	310	410	ug/Kg
98-95-3	Nitrobenzene	220	U	220	310	410	ug/Kg
78-59-1	Isophorone	200	U	200	310	410	ug/Kg
88-75-5	2-Nitrophenol	230	U	230	310	410	ug/Kg
105-67-9	2,4-Dimethylphenol	220	U	220	310	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	210	U	210	310	410	ug/Kg
120-83-2	2,4-Dichlorophenol	180	U	180	310	410	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	210	U	210	310	410	ug/Kg
65-85-0	Benzoic acid	570	U	570	650	790	ug/Kg
91-20-3	Naphthalene	200	U	200	310	410	ug/Kg
106-47-8	4-Chloroaniline	200	U	200	310	410	ug/Kg
87-68-3	Hexachlorobutadiene	200	U	200	310	410	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	GREEN-STREET-A	SDG No.:	BF072424
Lab Sample ID:	P3340-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.1
Sample Wt/Vol:	30.09	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
BF138643.D	2	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	210	U	210	650	790	ug/Kg
59-50-7	4-Chloro-3-methylphenol	190	U	190	310	410	ug/Kg
91-57-6	2-Methylnaphthalene	200	U	200	310	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	380	U	380	650	790	ug/Kg
88-06-2	2,4,6-Trichlorophenol	170	U	170	310	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	180	U	180	310	410	ug/Kg
92-52-4	1,1-Biphenyl	210	U	210	310	410	ug/Kg
91-58-7	2-Chloronaphthalene	200	U	200	310	410	ug/Kg
88-74-4	2-Nitroaniline	230	U	230	310	410	ug/Kg
131-11-3	Dimethylphthalate	200	U	200	310	410	ug/Kg
208-96-8	Acenaphthylene	210	U	210	310	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	200	U	200	310	410	ug/Kg
99-09-2	3-Nitroaniline	210	U	210	310	410	ug/Kg
83-32-9	Acenaphthene	200	U	200	310	410	ug/Kg
Total PAH	Total PAH	5180	U	3200	310	6560	ug/Kg
51-28-5	2,4-Dinitrophenol	580	U	580	650	790	ug/Kg
100-02-7	4-Nitrophenol	280	U	280	650	790	ug/Kg
132-64-9	Dibenzofuran	200	U	200	310	410	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	410	U	410	310	820	ug/Kg
121-14-2	2,4-Dinitrotoluene	210	U	210	310	410	ug/Kg
84-66-2	Diethylphthalate	190	U	190	310	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	210	U	210	310	410	ug/Kg
86-73-7	Fluorene	210	U	210	310	410	ug/Kg
100-01-6	4-Nitroaniline	260	U	260	310	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	280	U	280	650	790	ug/Kg
86-30-6	n-Nitrosodiphenylamine	200	U	200	310	410	ug/Kg
103-33-3	Azobenzene	190	U	190	310	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	190	U	190	310	410	ug/Kg
118-74-1	Hexachlorobenzene	200	U	200	310	410	ug/Kg
1912-24-9	Atrazine	220	U	220	310	410	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	GREEN-STREET-A	SDG No.:	BF072424
Lab Sample ID:	P3340-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.1
Sample Wt/Vol:	30.09	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
BF138643.D	2	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	190	U	190	650	790	ug/Kg
85-01-8	Phenanthrene	460		200	310	410	ug/Kg
120-12-7	Anthracene	200	U	200	310	410	ug/Kg
86-74-8	Carbazole	190	U	190	310	410	ug/Kg
84-74-2	Di-n-butylphthalate	200	U	200	310	410	ug/Kg
206-44-0	Fluoranthene	870		200	310	410	ug/Kg
92-87-5	Benzidine	390	U	390	650	790	ug/Kg
129-00-0	Pyrene	810		200	310	410	ug/Kg
85-68-7	Butylbenzylphthalate	230	U	230	310	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	240	U	240	650	790	ug/Kg
56-55-3	Benzo(a)anthracene	500		190	310	410	ug/Kg
218-01-9	Chrysene	440		190	310	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	220	U	220	310	410	ug/Kg
117-84-0	Di-n-octyl phthalate	260	U	260	650	790	ug/Kg
205-99-2	Benzo(b)fluoranthene	650		200	310	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	200	J	200	310	410	ug/Kg
50-32-8	Benzo(a)pyrene	590		220	310	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	290	J	190	310	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	200	U	200	310	410	ug/Kg
191-24-2	Benzo(g,h,i)perylene	370	J	190	310	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	210	U	210	310	410	ug/Kg
123-91-1	1,4-Dioxane	260	U	260	310	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	180	U	180	310	410	ug/Kg
90-12-0	1-Methylnaphthalene	200	U	200	410	410	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	140.002		18-112		93	SPK: -150
13127-88-3	Phenol-d6	139.296		15-107		93	SPK: -150
4165-60-0	Nitrobenzene-d5	97.208		18-107		97	SPK: -100
321-60-8	2-Fluorobiphenyl	105.494		20-109		105	SPK: -100

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	GREEN-STREET-A	SDG No.:	BF072424
Lab Sample ID:	P3340-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.1
Sample Wt/Vol:	30.09 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
BF138643.D	2	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	112.798		10-110		75	SPK: -150
1718-51-0	Terphenyl-d14	93.818		14-112		94	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	75359	6.851				
1146-65-2	Naphthalene-d8	284447	8.134				
15067-26-2	Acenaphthene-d10	122227	9.886				
1517-22-2	Phenanthrene-d10	165335	11.369				
1719-03-5	Chrysene-d12	110578	14.01				
1520-96-3	Perylene-d12	88624	15.468				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	3000	J			2.122	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	330	A			5.069	
000613-12-7	Anthracene, 2-methyl-	230	J			11.898	
018791-75-8	4-Bromothiophene-2-aldehyde	310	J			11.98	
000781-43-1	9,10-Dimethylanthracene	190	J			12.422	
033543-31-6	Fluoranthene, 2-methyl-	230	J			13.133	

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	GREEN-STREET-AMS	SDG No.:	BF072424
Lab Sample ID:	P3340-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.1
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138644.D	2	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1900		210	650	800	ug/Kg
110-86-1	Pyridine	1700		190	310	410	ug/Kg
100-52-7	Benzaldehyde	440	U	440	650	800	ug/Kg
62-53-3	Aniline	1500		230	310	410	ug/Kg
108-95-2	Phenol	2000		200	310	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2100		200	310	410	ug/Kg
95-57-8	2-Chlorophenol	2100		200	310	410	ug/Kg
95-50-1	1,2-Dichlorobenzene	1900		200	310	410	ug/Kg
541-73-1	1,3-Dichlorobenzene	1900		210	310	410	ug/Kg
106-46-7	1,4-Dichlorobenzene	1900		210	310	410	ug/Kg
100-51-6	Benzyl Alcohol	2100		200	650	800	ug/Kg
95-48-7	2-Methylphenol	2000		190	310	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1900		220	310	410	ug/Kg
98-86-2	Acetophenone	2000		210	310	410	ug/Kg
65794-96-9	3+4-Methylphenols	2100		190	650	800	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2000		97.2	190	190	ug/Kg
67-72-1	Hexachloroethane	1800		200	310	410	ug/Kg
98-95-3	Nitrobenzene	1900		220	310	410	ug/Kg
78-59-1	Isophorone	2000		200	310	410	ug/Kg
88-75-5	2-Nitrophenol	2000		230	310	410	ug/Kg
105-67-9	2,4-Dimethylphenol	2200		220	310	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2100		210	310	410	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		180	310	410	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1800		210	310	410	ug/Kg
65-85-0	Benzoic acid	1100		570	650	800	ug/Kg
91-20-3	Naphthalene	1900		200	310	410	ug/Kg
106-47-8	4-Chloroaniline	1000		200	310	410	ug/Kg
87-68-3	Hexachlorobutadiene	1800		200	310	410	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	GREEN-STREET-AMS	SDG No.:	BF072424
Lab Sample ID:	P3340-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.1
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138644.D	2	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1600		210	650	800	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		190	310	410	ug/Kg
91-57-6	2-Methylnaphthalene	1800		200	310	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1200		380	650	800	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000		170	310	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		180	310	410	ug/Kg
92-52-4	1,1-Biphenyl	2100		210	310	410	ug/Kg
91-58-7	2-Chloronaphthalene	2100		200	310	410	ug/Kg
88-74-4	2-Nitroaniline	2100		230	310	410	ug/Kg
131-11-3	Dimethylphthalate	2300		200	310	410	ug/Kg
208-96-8	Acenaphthylene	2200		210	310	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		200	310	410	ug/Kg
99-09-2	3-Nitroaniline	1600		220	310	410	ug/Kg
83-32-9	Acenaphthene	1900		200	310	410	ug/Kg
Total PAH	Total PAH	35900		3200	310	6560	ug/Kg
51-28-5	2,4-Dinitrophenol	980		590	650	800	ug/Kg
100-02-7	4-Nitrophenol	3000		280	650	800	ug/Kg
132-64-9	Dibenzofuran	1900		200	310	410	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		210	310	410	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3700		410	310	820	ug/Kg
84-66-2	Diethylphthalate	2100		190	310	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		210	310	410	ug/Kg
86-73-7	Fluorene	1900		210	310	410	ug/Kg
100-01-6	4-Nitroaniline	1600		260	310	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	630	J	280	650	800	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2200		200	310	410	ug/Kg
103-33-3	Azobenzene	1800		190	310	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2100		190	310	410	ug/Kg
118-74-1	Hexachlorobenzene	1900		200	310	410	ug/Kg
1912-24-9	Atrazine	2000		220	310	410	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	GREEN-STREET-AMS	SDG No.:	BF072424
Lab Sample ID:	P3340-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.1
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138644.D	2	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3200		190	650	800	ug/Kg
85-01-8	Phenanthrene	2400		200	310	410	ug/Kg
120-12-7	Anthracene	2200		200	310	410	ug/Kg
86-74-8	Carbazole	2100		190	310	410	ug/Kg
84-74-2	Di-n-butylphthalate	2200		200	310	410	ug/Kg
206-44-0	Fluoranthene	2800		200	310	410	ug/Kg
92-87-5	Benzidine	2400		390	650	800	ug/Kg
129-00-0	Pyrene	2500		200	310	410	ug/Kg
85-68-7	Butylbenzylphthalate	2700		230	310	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2200		240	650	800	ug/Kg
56-55-3	Benzo(a)anthracene	2500		190	310	410	ug/Kg
218-01-9	Chrysene	2300		190	310	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	3500		220	310	410	ug/Kg
117-84-0	Di-n-octyl phthalate	3100		270	650	800	ug/Kg
205-99-2	Benzo(b)fluoranthene	2700		200	310	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	2100		200	310	410	ug/Kg
50-32-8	Benzo(a)pyrene	2600		220	310	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2100		190	310	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		200	310	410	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1900		190	310	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2100		210	310	410	ug/Kg
123-91-1	1,4-Dioxane	1600		270	310	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		180	310	410	ug/Kg
90-12-0	1-Methylnaphthalene	1700		200	410	410	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	118.672		18-112		79	SPK: -150
13127-88-3	Phenol-d6	120.894		15-107		81	SPK: -150
4165-60-0	Nitrobenzene-d5	83.052		18-107		83	SPK: -100
321-60-8	2-Fluorobiphenyl	91.096		20-109		91	SPK: -100



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

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	GREEN-STREET-AMS	SDG No.:	BF072424
Lab Sample ID:	P3340-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.1
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138644.D	2	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	102.196		10-110		68	SPK: -150
1718-51-0	Terphenyl-d14	87.58		14-112		88	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	80177	6.851				
1146-65-2	Naphthalene-d8	306007	8.133				
15067-26-2	Acenaphthene-d10	129842	9.886				
1517-22-2	Phenanthrene-d10	187612	11.374				
1719-03-5	Chrysene-d12	112974	14.01				
1520-96-3	Perylene-d12	93879	15.474				

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	GREEN-STREET-AMSD	SDG No.:	BF072424
Lab Sample ID:	P3340-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.1
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
BF138645.D	2	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1900		210	650	800	ug/Kg
110-86-1	Pyridine	1700		190	310	410	ug/Kg
100-52-7	Benzaldehyde	440	U	440	650	800	ug/Kg
62-53-3	Aniline	1600		230	310	410	ug/Kg
108-95-2	Phenol	2000		200	310	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2100		200	310	410	ug/Kg
95-57-8	2-Chlorophenol	2100		200	310	410	ug/Kg
95-50-1	1,2-Dichlorobenzene	2000		200	310	410	ug/Kg
541-73-1	1,3-Dichlorobenzene	1900		210	310	410	ug/Kg
106-46-7	1,4-Dichlorobenzene	1900		210	310	410	ug/Kg
100-51-6	Benzyl Alcohol	2100		200	650	800	ug/Kg
95-48-7	2-Methylphenol	2000		190	310	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1900		220	310	410	ug/Kg
98-86-2	Acetophenone	2000		210	310	410	ug/Kg
65794-96-9	3+4-Methylphenols	2000		190	650	800	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2100		97.1	190	190	ug/Kg
67-72-1	Hexachloroethane	1800		200	310	410	ug/Kg
98-95-3	Nitrobenzene	2000		220	310	410	ug/Kg
78-59-1	Isophorone	2100		200	310	410	ug/Kg
88-75-5	2-Nitrophenol	2000		230	310	410	ug/Kg
105-67-9	2,4-Dimethylphenol	2200		220	310	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2100		210	310	410	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		180	310	410	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1900		210	310	410	ug/Kg
65-85-0	Benzoic acid	1100		570	650	800	ug/Kg
91-20-3	Naphthalene	2000		200	310	410	ug/Kg
106-47-8	4-Chloroaniline	1100		200	310	410	ug/Kg
87-68-3	Hexachlorobutadiene	1800		200	310	410	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	GREEN-STREET-AMSD	SDG No.:	BF072424
Lab Sample ID:	P3340-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.1
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
BF138645.D	2	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1600		210	650	800	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		190	310	410	ug/Kg
91-57-6	2-Methylnaphthalene	1800		200	310	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1000		380	650	800	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000		170	310	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		180	310	410	ug/Kg
92-52-4	1,1-Biphenyl	2200		210	310	410	ug/Kg
91-58-7	2-Chloronaphthalene	2100		200	310	410	ug/Kg
88-74-4	2-Nitroaniline	2200		230	310	410	ug/Kg
131-11-3	Dimethylphthalate	2400		200	310	410	ug/Kg
208-96-8	Acenaphthylene	2300		210	310	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	2000		200	310	410	ug/Kg
99-09-2	3-Nitroaniline	1600		210	310	410	ug/Kg
83-32-9	Acenaphthene	2000		200	310	410	ug/Kg
Total PAH	Total PAH	37000		3200	310	6560	ug/Kg
51-28-5	2,4-Dinitrophenol	880		590	650	800	ug/Kg
100-02-7	4-Nitrophenol	3200		280	650	800	ug/Kg
132-64-9	Dibenzofuran	2000		200	310	410	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3800		410	310	820	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		210	310	410	ug/Kg
84-66-2	Diethylphthalate	2200		190	310	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1900		210	310	410	ug/Kg
86-73-7	Fluorene	1900		210	310	410	ug/Kg
100-01-6	4-Nitroaniline	1700		260	310	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	510	J	280	650	800	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2300		200	310	410	ug/Kg
103-33-3	Azobenzene	1900		190	310	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2100		190	310	410	ug/Kg
118-74-1	Hexachlorobenzene	2000		200	310	410	ug/Kg
1912-24-9	Atrazine	2000		220	310	410	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	GREEN-STREET-AMSD	SDG No.:	BF072424
Lab Sample ID:	P3340-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.1
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
BF138645.D	2	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3300		190	650	800	ug/Kg
85-01-8	Phenanthrene	2500		200	310	410	ug/Kg
120-12-7	Anthracene	2300		200	310	410	ug/Kg
86-74-8	Carbazole	2200		190	310	410	ug/Kg
84-74-2	Di-n-butylphthalate	2400		200	310	410	ug/Kg
206-44-0	Fluoranthene	2900		200	310	410	ug/Kg
92-87-5	Benzidine	2600		390	650	800	ug/Kg
129-00-0	Pyrene	2600		200	310	410	ug/Kg
85-68-7	Butylbenzylphthalate	2800		230	310	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2200		240	650	800	ug/Kg
56-55-3	Benzo(a)anthracene	2600		190	310	410	ug/Kg
218-01-9	Chrysene	2200		190	310	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	3500		220	310	410	ug/Kg
117-84-0	Di-n-octyl phthalate	3200		270	650	800	ug/Kg
205-99-2	Benzo(b)fluoranthene	2800		200	310	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	2100		200	310	410	ug/Kg
50-32-8	Benzo(a)pyrene	2600		220	310	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2200		190	310	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2000		200	310	410	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2000		190	310	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2100		210	310	410	ug/Kg
123-91-1	1,4-Dioxane	1600		270	310	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		180	310	410	ug/Kg
90-12-0	1-Methylnaphthalene	1700		200	410	410	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	121.428		18-112		81	SPK: -150
13127-88-3	Phenol-d6	120.81		15-107		81	SPK: -150
4165-60-0	Nitrobenzene-d5	86.752		18-107		87	SPK: -100
321-60-8	2-Fluorobiphenyl	95.278		20-109		95	SPK: -100



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Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	GREEN-STREET-AMSD	SDG No.:	BF072424
Lab Sample ID:	P3340-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.1
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
BF138645.D	2	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	107.958		10-110		72	SPK: -150
1718-51-0	Terphenyl-d14	92.044		14-112		92	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	81347	6.857				
1146-65-2	Naphthalene-d8	299875	8.139				
15067-26-2	Acenaphthene-d10	123482	9.892				
1517-22-2	Phenanthrene-d10	183422	11.374				
1719-03-5	Chrysene-d12	108331	14.01				
1520-96-3	Perylene-d12	92611	15.474				

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	AU-05-072324	SDG No.:	BF072424
Lab Sample ID:	P3341-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.4
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
BF138646.D	2	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	120	U	120	370	450	ug/Kg
110-86-1	Pyridine	110	U	110	180	230	ug/Kg
100-52-7	Benzaldehyde	250	U	250	370	450	ug/Kg
62-53-3	Aniline	130	U	130	180	230	ug/Kg
108-95-2	Phenol	110	U	110	180	230	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	180	230	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	180	230	ug/Kg
95-50-1	1,2-Dichlorobenzene	120	U	120	180	230	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	U	120	180	230	ug/Kg
106-46-7	1,4-Dichlorobenzene	120	U	120	180	230	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	370	450	ug/Kg
95-48-7	2-Methylphenol	110	U	110	180	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	180	230	ug/Kg
98-86-2	Acetophenone	120	U	120	180	230	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	450	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	55.1	U	55.1	110	110	ug/Kg
67-72-1	Hexachloroethane	110	U	110	180	230	ug/Kg
98-95-3	Nitrobenzene	120	U	120	180	230	ug/Kg
78-59-1	Isophorone	120	U	120	180	230	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	180	230	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	180	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	180	230	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	100	180	230	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	120	U	120	180	230	ug/Kg
65-85-0	Benzoic acid	320	U	320	370	450	ug/Kg
91-20-3	Naphthalene	110	U	110	180	230	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	180	230	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	AU-05-072324	SDG No.:	BF072424
Lab Sample ID:	P3341-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.4
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
BF138646.D	2	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	120	U	120	370	450	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	180	230	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	180	230	ug/Kg
77-47-4	Hexachlorocyclopentadiene	210	U	210	370	450	ug/Kg
88-06-2	2,4,6-Trichlorophenol	97.7	U	97.7	180	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	180	230	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	180	230	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	180	230	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	180	230	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	180	230	ug/Kg
208-96-8	Acenaphthylene	120	U	120	180	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	180	230	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	180	230	ug/Kg
83-32-9	Acenaphthene	110	U	110	180	230	ug/Kg
Total PAH	Total PAH	6090	U	1810	180	3680	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	330	370	450	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	370	450	ug/Kg
132-64-9	Dibenzofuran	120	U	120	180	230	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	180	230	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	180	460	ug/Kg
84-66-2	Diethylphthalate	110	U	110	180	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	180	230	ug/Kg
86-73-7	Fluorene	120	U	120	180	230	ug/Kg
100-01-6	4-Nitroaniline	150	U	150	180	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	370	450	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	180	230	ug/Kg
103-33-3	Azobenzene	110	U	110	180	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	180	230	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	180	230	ug/Kg
1912-24-9	Atrazine	130	U	130	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	AU-05-072324	SDG No.:	BF072424
Lab Sample ID:	P3341-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.4
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138646.D	2	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	110	U	110	370	450	ug/Kg
85-01-8	Phenanthrene	480		110	180	230	ug/Kg
120-12-7	Anthracene	130	J	120	180	230	ug/Kg
86-74-8	Carbazole	110	U	110	180	230	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	180	230	ug/Kg
206-44-0	Fluoranthene	1100		110	180	230	ug/Kg
92-87-5	Benzidine	220	U	220	370	450	ug/Kg
129-00-0	Pyrene	990		110	180	230	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	180	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	130	370	450	ug/Kg
56-55-3	Benzo(a)anthracene	610		110	180	230	ug/Kg
218-01-9	Chrysene	560		110	180	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	180	230	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	370	450	ug/Kg
205-99-2	Benzo(b)fluoranthene	700		110	180	230	ug/Kg
207-08-9	Benzo(k)fluoranthene	310		110	180	230	ug/Kg
50-32-8	Benzo(a)pyrene	640		130	180	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	280		110	180	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	180	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	290		110	180	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	180	230	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	180	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	180	230	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	230	230	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.588		18-112		54	SPK: -150
13127-88-3	Phenol-d6	80.522		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	57.154		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	65.198		20-109		65	SPK: -100

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	AU-05-072324	SDG No.:	BF072424
Lab Sample ID:	P3341-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.4
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
BF138646.D	2	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	71.34		10-110		48	SPK: -150
1718-51-0	Terphenyl-d14	67.106		14-112		67	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	77493	6.851				
1146-65-2	Naphthalene-d8	279251	8.134				
15067-26-2	Acenaphthene-d10	111660	9.886				
1517-22-2	Phenanthrene-d10	178552	11.374				
1719-03-5	Chrysene-d12	95831	14.01				
1520-96-3	Perylene-d12	90450	15.474				
TENTATIVE IDENTIFIED COMPOUNDS							
000629-50-5	Tridecane	180	J			8.722	
074645-98-0	Dodecane, 2,7,10-trimethyl-	170	J			9.151	
013287-21-3	Tridecane, 6-methyl-	580	J			9.286	
054833-48-6	Heptadecane, 2,6,10,15-tetramethyl	420	J			9.604	
000259-79-0	Biphenylene	170	J			9.751	
000629-62-9	Pentadecane	800	J			9.816	
000112-40-3	Dodecane	280	J			10.133	
000829-26-5	Naphthalene, 2,3,6-trimethyl-	240	J			10.204	
000544-76-3	Hexadecane	960	J			10.316	
000593-49-7	Heptacosane	650	J			10.533	
000646-31-1	Tetracosane	1500	J			10.792	
000629-92-5	Nonadecane	930	J			11.233	
013187-99-0	2-Bromo dodecane	620	J			11.263	
	unknown11.663	730	J			11.663	
000057-10-3	n-Hexadecanoic acid	460	J			11.898	
055045-08-4	Dodecane, 2-methyl-6-propyl-	720	J			12.069	
001576-69-8	Phenanthrene, 2,7-dimethyl-	180	J			12.351	
000629-94-7	Heneicosane	2000	J			12.457	
000112-95-8	Eicosane	290	J			13.18	



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Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	AU-05-072324	SDG No.:	BF072424
Lab Sample ID:	P3341-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.4
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
BF138646.D	2	7/24/2024 12:00:00 AM	7/24/2024 12:00:00 AM	PB162256

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
007225-64-1	Heptadecane, 9-octyl-	210	J			13.521	



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Hit Summary Sheet SW-846

SDG No.: BF072424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	SU-03-072324							
P3339-01	SU-03-072324	Solid	11H-Benzo[b]fluorene	*	110.000	J		
P3339-01	SU-03-072324	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	130.000	A		
P3339-01	SU-03-072324	Solid	Benzo[e]pyrene	*	260.000	J		
P3339-01	SU-03-072324	Solid	Butane, 2-methoxy-2-methyl-	*	1,500.000	J		
P3339-01	SU-03-072324	Solid	Fluoranthene, 2-methyl-	*	170.000	J		
P3339-01	SU-03-072324	Solid	Heneicosane	*	110.000	J		
P3339-01	SU-03-072324	Solid	Heptacosane	*	150.000	J		
P3339-01	SU-03-072324	Solid	Heptadecane	*	300.000	J		
P3339-01	SU-03-072324	Solid	Hexadecane	*	620.000	J		
P3339-01	SU-03-072324	Solid	Hexadecane, 2,6,10,14-tetramethyl	*	120.000	J		
P3339-01	SU-03-072324	Solid	Naphthalene, 1,6-dimethyl-	*	190.000	J		
P3339-01	SU-03-072324	Solid	Naphthalene, 2,3-dimethyl-	*	320.000	J		
P3339-01	SU-03-072324	Solid	Naphthalene, 2,7-dimethyl-	*	170.000	J		
P3339-01	SU-03-072324	Solid	Octadecane	*	190.000	J		
P3339-01	SU-03-072324	Solid	Octadecane, 1-chloro-	*	350.000	J		
P3339-01	SU-03-072324	Solid	Pentadecane, 2,6,10-trimethyl-	*	400.000	J		
P3339-01	SU-03-072324	Solid	Perylene	*	780.000	J		
P3339-01	SU-03-072324	Solid	Tridecane	*	810.000	J		
P3339-01	SU-03-072324	Solid	Tridecane, 7-hexyl-	*	120.000	J		
P3339-01	SU-03-072324	Solid	unknown9.986	*	300.000	J		
Total Tics :					7,100.00			
P3339-01	SU-03-072324	Solid	1,1-Biphenyl		150.000	56.4	110	ug/Kg
P3339-01	SU-03-072324	Solid	1-Methylnaphthalene		290.000	53.6	110	ug/Kg
P3339-01	SU-03-072324	Solid	2-Methylnaphthalene		450.000	53.2	110	ug/Kg
P3339-01	SU-03-072324	Solid	Acenaphthene		350.000	52.3	110	ug/Kg
P3339-01	SU-03-072324	Solid	Acenaphthylene		93.200	J 55.8	110	ug/Kg
P3339-01	SU-03-072324	Solid	Anthracene		1,000.000	54.4	110	ug/Kg
P3339-01	SU-03-072324	Solid	Benzo(a)anthracene		1,700.000	52	110	ug/Kg
P3339-01	SU-03-072324	Solid	Benzo(a)pyrene		1,500.000	60	110	ug/Kg
P3339-01	SU-03-072324	Solid	Benzo(b)fluoranthene		1,900.000	E 52.3	110	ug/Kg
P3339-01	SU-03-072324	Solid	Benzo(g,h,i)perylene		660.000	51.7	110	ug/Kg
P3339-01	SU-03-072324	Solid	Benzo(k)fluoranthene		660.000	53.3	110	ug/Kg
P3339-01	SU-03-072324	Solid	Carbazole		370.000	51.8	110	ug/Kg
P3339-01	SU-03-072324	Solid	Chrysene		1,300.000	51.3	110	ug/Kg
P3339-01	SU-03-072324	Solid	Dibenzo(a,h)anthracene		200.000	52.4	110	ug/Kg
P3339-01	SU-03-072324	Solid	Dibenzofuran		590.000	54.4	110	ug/Kg
P3339-01	SU-03-072324	Solid	Fluoranthene		3,500.000	E 52.7	110	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BF072424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3339-01	SU-03-072324	Solid	Fluorene	880.000		55.1	110	ug/Kg
P3339-01	SU-03-072324	Solid	Indeno(1,2,3-cd)pyrene	630.000		50.4	110	ug/Kg
P3339-01	SU-03-072324	Solid	Naphthalene	870.000		53.3	110	ug/Kg
P3339-01	SU-03-072324	Solid	Phenanthrene	3,500.000	E	54.2	110	ug/Kg
P3339-01	SU-03-072324	Solid	Pyrene	2,000.000	E	53.5	110	ug/Kg
P3339-01	SU-03-072324	Solid	Total PAH	20,743.000		854.7	1760	ug/Kg
Total Svoc :				43,336.20				
Total Concentration:				50,436.20				

Client ID : GREEN-STREET-A

P3340-01	GREEN-STREET-A	Solid	2-Pentanone, 4-hydroxy-4-methyl *	330.000	A			
P3340-01	GREEN-STREET-A	Solid	4-Bromothiophene-2-aldehyde *	310.000	J			
P3340-01	GREEN-STREET-A	Solid	9,10-Dimethylanthracene *	190.000	J			
P3340-01	GREEN-STREET-A	Solid	Anthracene, 2-methyl- *	230.000	J			
P3340-01	GREEN-STREET-A	Solid	Butane, 2-methoxy-2-methyl- *	3,000.000	J			
P3340-01	GREEN-STREET-A	Solid	Fluoranthene, 2-methyl- *	230.000	J			
Total Tics :				4,290.00				
P3340-01	GREEN-STREET-A	Solid	Benzo(a)anthracene	500.000		190	410	ug/Kg
P3340-01	GREEN-STREET-A	Solid	Benzo(a)pyrene	590.000		220	410	ug/Kg
P3340-01	GREEN-STREET-A	Solid	Benzo(b)fluoranthene	650.000		200	410	ug/Kg
P3340-01	GREEN-STREET-A	Solid	Benzo(g,h,i)perylene	370.000	J	190	410	ug/Kg
P3340-01	GREEN-STREET-A	Solid	Benzo(k)fluoranthene	200.000	J	200	410	ug/Kg
P3340-01	GREEN-STREET-A	Solid	Chrysene	440.000		190	410	ug/Kg
P3340-01	GREEN-STREET-A	Solid	Fluoranthene	870.000		200	410	ug/Kg
P3340-01	GREEN-STREET-A	Solid	Indeno(1,2,3-cd)pyrene	290.000	J	190	410	ug/Kg
P3340-01	GREEN-STREET-A	Solid	Phenanthrene	460.000		200	410	ug/Kg
P3340-01	GREEN-STREET-A	Solid	Pyrene	810.000		200	410	ug/Kg
Total Svoc :				5,180.00				
Total Concentration:				9,470.00				

Client ID : GREEN-STREET-B

P3340-04	GREEN-STREET-B	Solid	11H-Benzo[b]fluorene *	87.600	J			
P3340-04	GREEN-STREET-B	Solid	2-Pentanone, 4-hydroxy-4-methyl *	170.000	A			
P3340-04	GREEN-STREET-B	Solid	4H-Cyclopenta[def]phenanthrene *	370.000	J			
P3340-04	GREEN-STREET-B	Solid	5,16[1,2]:8,13[1,2]-Dibenzen *	98.200	J			
P3340-04	GREEN-STREET-B	Solid	9,10-Dimethylanthracene *	150.000	J			
P3340-04	GREEN-STREET-B	Solid	Anthracene, 1-methyl- *	82.600	J			
P3340-04	GREEN-STREET-B	Solid	Benzo[e]pyrene *	300.000	J			
P3340-04	GREEN-STREET-B	Solid	Butane, 2-methoxy-2-methyl- *	1,900.000	J			
P3340-04	GREEN-STREET-B	Solid	Cycloeicosane *	110.000	J			
P3340-04	GREEN-STREET-B	Solid	Dibenzothiophene *	95.800	J			

Hit Summary Sheet SW-846

SDG No.: BF072424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3340-04	GREEN-STREET-B	Solid	Fluoranthene, 2-methyl-	*	180.000	J		
P3340-04	GREEN-STREET-B	Solid	Phenanthrene, 1-methyl-	*	140.000	J		
P3340-04	GREEN-STREET-B	Solid	Phenanthrene, 2-methyl-	*	350.000	J		
P3340-04	GREEN-STREET-B	Solid	Pyrene, 1-methyl-	*	93.100	J		
P3340-04	GREEN-STREET-B	Solid	Pyrene, 4,5,9,10-tetrahydro-	*	100.000	J		
P3340-04	GREEN-STREET-B	Solid	unknown10.792	*	95.000	J		
Total Tics :				4,322.30				
P3340-04	GREEN-STREET-B	Solid	Anthracene		270.000	98.6	200	ug/Kg
P3340-04	GREEN-STREET-B	Solid	Benzo(a)anthracene		640.000	94.3	200	ug/Kg
P3340-04	GREEN-STREET-B	Solid	Benzo(a)pyrene		570.000	110	200	ug/Kg
P3340-04	GREEN-STREET-B	Solid	Benzo(b)fluoranthene		740.000	94.8	200	ug/Kg
P3340-04	GREEN-STREET-B	Solid	Benzo(g,h,i)perylene		320.000	93.6	200	ug/Kg
P3340-04	GREEN-STREET-B	Solid	Benzo(k)fluoranthene		230.000	96.5	200	ug/Kg
P3340-04	GREEN-STREET-B	Solid	Chrysene		550.000	92.9	200	ug/Kg
P3340-04	GREEN-STREET-B	Solid	Fluoranthene		1,300.000	95.5	200	ug/Kg
P3340-04	GREEN-STREET-B	Solid	Indeno(1,2,3-cd)pyrene		270.000	91.3	200	ug/Kg
P3340-04	GREEN-STREET-B	Solid	Phenanthrene		890.000	98.2	200	ug/Kg
P3340-04	GREEN-STREET-B	Solid	Pyrene		980.000	97	200	ug/Kg
P3340-04	GREEN-STREET-B	Solid	Total PAH		6,760.000	1548.8	3200	ug/Kg
Total Svoc :				13,520.00				
Total Concentration:				17,842.30				

Client ID : AU-05-072324

P3341-01	AU-05-072324	Solid	2-Bromo dodecane	*	620.000	J		
P3341-01	AU-05-072324	Solid	Biphenylene	*	170.000	J		
P3341-01	AU-05-072324	Solid	Dodecane	*	280.000	J		
P3341-01	AU-05-072324	Solid	Dodecane, 2,7,10-trimethyl-	*	170.000	J		
P3341-01	AU-05-072324	Solid	Dodecane, 2-methyl-6-propyl-	*	720.000	J		
P3341-01	AU-05-072324	Solid	Eicosane	*	290.000	J		
P3341-01	AU-05-072324	Solid	Heneicosane	*	2,000.000	J		
P3341-01	AU-05-072324	Solid	Heptacosane	*	650.000	J		
P3341-01	AU-05-072324	Solid	Heptadecane, 2,6,10,15-tetramethy	*	420.000	J		
P3341-01	AU-05-072324	Solid	Heptadecane, 9-octyl-	*	210.000	J		
P3341-01	AU-05-072324	Solid	Hexadecane	*	960.000	J		
P3341-01	AU-05-072324	Solid	n-Hexadecanoic acid	*	460.000	J		
P3341-01	AU-05-072324	Solid	Naphthalene, 2,3,6-trimethyl-	*	240.000	J		
P3341-01	AU-05-072324	Solid	Nonadecane	*	930.000	J		
P3341-01	AU-05-072324	Solid	Pentadecane	*	800.000	J		
P3341-01	AU-05-072324	Solid	Phenanthrene, 2,7-dimethyl-	*	180.000	J		
P3341-01	AU-05-072324	Solid	Tetracosane	*	1,500.000	J		
P3341-01	AU-05-072324	Solid	Tridecane	*	180.000	J		



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

Hit Summary Sheet SW-846

SDG No.: BF072424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3341-01	AU-05-072324	Solid	Tridecane, 6-methyl-	*	580.000	J		
P3341-01	AU-05-072324	Solid	unknown11.663	*	730.000	J		
Total Tics :					12,090.00			
P3341-01	AU-05-072324	Solid	Anthracene		130.000	J 120	230	ug/Kg
P3341-01	AU-05-072324	Solid	Benzo(a)anthracene		610.000	110	230	ug/Kg
P3341-01	AU-05-072324	Solid	Benzo(a)pyrene		640.000	130	230	ug/Kg
P3341-01	AU-05-072324	Solid	Benzo(b)fluoranthene		700.000	110	230	ug/Kg
P3341-01	AU-05-072324	Solid	Benzo(g,h,i)perylene		290.000	110	230	ug/Kg
P3341-01	AU-05-072324	Solid	Benzo(k)fluoranthene		310.000	110	230	ug/Kg
P3341-01	AU-05-072324	Solid	Chrysene		560.000	110	230	ug/Kg
P3341-01	AU-05-072324	Solid	Fluoranthene		1,100.000	110	230	ug/Kg
P3341-01	AU-05-072324	Solid	Indeno(1,2,3-cd)pyrene		280.000	110	230	ug/Kg
P3341-01	AU-05-072324	Solid	Phenanthrene		480.000	110	230	ug/Kg
P3341-01	AU-05-072324	Solid	Pyrene		990.000	110	230	ug/Kg
Total Svoc :					6,090.00			
Total Concentration:					18,180.00			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF070924 SAS No.: BF070924 SDG No.: BF070924
Instrument ID: _____ Calibration Date(s): 7/9/2024 1: _____
Calibration Time(s): 12:26 _____

LAB FILE ID:		RRF2.5 = BF138482.D			RRF005 = BF138483.D		RRF010 = BF138484.D	
		RRF020 = BF138485.D			RRF040 = BF138486.D		RRF050 = BF138487.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.886	0.873	0.934	0.921	0.878	0.898	2.6
Pyridine		1.375	1.370	1.480	1.389	1.347	1.379	3.5
2-Fluorophenol		1.362	1.335	1.352	1.265	1.191	1.263	7.1
Benzaldehyde		0.919	0.990	1.043	0.879	0.805	0.899	12.0
Aniline		1.678	1.615	1.712	1.595	1.476	1.573	6.6
Phenol-d6		1.825	1.753	1.808	1.671	1.588	1.680	7.0
Phenol		1.947	1.887	1.901	1.770	1.673	1.783	7.2
bis(2-Chloroethyl)ether		1.415	1.360	1.406	1.350	1.297	1.343	4.4
2-Chlorophenol		1.440	1.367	1.456	1.337	1.285	1.335	7.1
1,2-Dichlorobenzene		1.565	1.518	1.521	1.419	1.334	1.420	8.4
1,3-Dichlorobenzene		1.613	1.577	1.610	1.500	1.428	1.501	6.8
1,4-Dichlorobenzene		1.663	1.580	1.631	1.536	1.446	1.524	7.1
Benzyl Alcohol		1.313	1.289	1.365	1.272	1.219	1.261	5.6
2-Methylphenol		1.157	1.118	1.171	1.099	1.046	1.094	5.4
2,2-oxybis(1-Chloropropane)		2.833	2.775	2.810	2.665	2.526	2.640	6.8
Acetophenone		0.548	0.523	0.509	0.469	0.452	0.486	8.5
3+4-Methylphenols		1.555	1.486	1.488	1.362	1.277	1.378	9.7
n-Nitroso-di-n-propylamine	1.131	1.137	1.068	1.089	1.022	0.962	1.038	7.8
Nitrobenzene-d5		0.432	0.416	0.425	0.406	0.393	0.407	4.6
Hexachloroethane		0.573	0.571	0.600	0.566	0.545	0.560	4.4
Nitrobenzene		0.433	0.421	0.432	0.415	0.403	0.414	3.8
Isophorone		0.742	0.720	0.733	0.686	0.666	0.700	4.6
2-Nitrophenol		0.170	0.168	0.187	0.180	0.178	0.177	4.0
2,4-Dimethylphenol		0.229	0.223	0.226	0.217	0.208	0.218	4.0
bis(2-Chloroethoxy)methane		0.458	0.425	0.438	0.413	0.398	0.418	5.8
2,4-Dichlorophenol		0.292	0.288	0.302	0.283	0.275	0.283	4.3
1,2,4-Trichlorobenzene		0.361	0.343	0.347	0.326	0.314	0.330	6.5
Benzoic acid		0.169	0.186	0.201	0.219	0.225	0.208	11.3
Naphthalene		1.162	1.093	1.101	1.022	0.974	1.040	7.7
4-Chloroaniline		0.388	0.369	0.382	0.356	0.352	0.365	4.3
Hexachlorobutadiene		0.221	0.210	0.214	0.200	0.195	0.203	6.0
Caprolactam		0.093	0.093	0.095	0.091	0.088	0.091	2.8
4-Chloro-3-methylphenol		0.340	0.327	0.334	0.312	0.303	0.317	5.3
2-Methylnaphthalene		0.757	0.709	0.710	0.646	0.626	0.669	8.4
Hexachlorocyclopentadiene			0.142	0.174	0.189	0.189	0.181	11.4
2,4,6-Trichlorophenol		0.376	0.358	0.365	0.353	0.347	0.356	3.5

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.: BF070924 SAS No.: BF070924 SDG No.: BF070924
Instrument ID: _____ Calibration Date(s): 7/9/2024 1: _____
Calibration Time(s): 12:26 _____

LAB FILE ID:		RRF2.5 = BF138482.D		RRF005 = BF138483.D		RRF010 = BF138484.D		
		RRF020 = BF138485.D		RRF040 = BF138486.D		RRF050 = BF138487.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.504	1.403	1.347	1.224	1.184	1.280	11.0
2,4,5-Trichlorophenol		0.409	0.391	0.409	0.395	0.382	0.391	3.7
1,1-Biphenyl		1.691	1.598	1.602	1.476	1.433	1.516	7.6
2-Chloronaphthalene		1.264	1.200	1.178	1.127	1.092	1.145	6.3
2-Nitroaniline		0.403	0.393	0.406	0.403	0.391	0.397	1.9
Dimethylphthalate		1.391	1.360	1.336	1.275	1.238	1.293	5.3
Acenaphthylene		1.803	1.733	1.686	1.593	1.550	1.626	7.3
2,6-Dinitrotoluene		0.306	0.300	0.309	0.302	0.288	0.298	3.1
3-Nitroaniline		0.316	0.309	0.311	0.308	0.300	0.305	2.8
Acenaphthene		1.215	1.146	1.121	1.048	1.026	1.081	7.6
2,4-Dinitrophenol			0.105	0.126	0.147	0.152	0.141	15.4
4-Nitrophenol		0.215	0.221	0.228	0.231	0.228	0.225	2.9
Dibenzofuran		1.781	1.676	1.639	1.527	1.495	1.567	8.7
2,4-Dinitrotoluene		0.385	0.385	0.410	0.388	0.382	0.385	3.6
Diethylphthalate		1.360	1.321	1.301	1.227	1.189	1.247	6.5
4-Chlorophenyl-phenylether		0.721	0.673	0.662	0.600	0.578	0.623	10.1
Fluorene		1.424	1.325	1.319	1.200	1.165	1.240	9.4
4-Nitroaniline		0.309	0.310	0.314	0.305	0.305	0.306	2.5
4,6-Dinitro-2-methylphenol		0.090	0.099	0.118	0.122	0.124	0.115	13.0
n-Nitrosodiphenylamine		0.642	0.629	0.629	0.593	0.577	0.599	5.7
Azobenzene		1.478	1.407	1.410	1.312	1.281	1.340	6.9
2,4,6-Tribromophenol		0.202	0.199	0.194	0.185	0.178	0.187	6.2
4-Bromophenyl-phenylether		0.220	0.213	0.218	0.203	0.197	0.206	5.7
Hexachlorobenzene		0.251	0.239	0.239	0.223	0.218	0.228	6.4
Atrazine		0.219	0.207	0.212	0.197	0.191	0.199	7.4
Pentachlorophenol		0.116	0.124	0.142	0.138	0.143	0.135	8.1
Phenanthrene		1.136	1.090	1.058	0.985	0.954	1.010	8.4
Anthracene		1.103	1.072	1.071	0.980	0.952	1.003	7.8
Carbazole		0.995	0.983	0.968	0.880	0.854	0.901	9.0
Di-n-butylphthalate		1.138	1.092	1.109	1.020	1.000	1.039	7.3
Fluoranthene		1.203	1.149	1.114	0.996	0.961	1.031	12.3
Benzidine		0.452	0.523	0.625	0.510	0.498	0.505	14.0
Pyrene		1.980	1.956	2.061	2.100	2.024	2.030	2.9
Terphenyl-d14		1.251	1.204	1.281	1.252	1.199	1.228	3.0
Butylbenzylphthalate		0.588	0.567	0.626	0.634	0.613	0.611	4.3
3,3-Dichlorobenzidine		0.378	0.346	0.362	0.347	0.328	0.346	5.5

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.: BF070924 SAS No.: BF070924 SDG No.: BF070924
Instrument ID: _____ Calibration Date(s): 7/9/2024 1: _____
Calibration Time(s): 12:26 _____

LAB FILE ID:		RRF2.5 = BF138482.D			RRF005 = BF138483.D		RRF010 = BF138484.D	
		RRF020 = BF138485.D			RRF040 = BF138486.D		RRF050 = BF138487.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.457	1.364	1.404	1.337	1.266	1.342	5.4
Chrysene		1.386	1.301	1.324	1.254	1.196	1.270	5.6
Bis(2-ethylhexyl)phthalate		0.576	0.574	0.644	0.684	0.674	0.651	8.6
Di-n-octyl phthalate			0.824	0.919	1.036	1.051	1.029	13.8
Benzo(b)fluoranthene		1.306	1.224	1.197	1.073	1.032	1.126	10.2
Benzo(k)fluoranthene		1.269	1.215	1.193	1.056	0.993	1.099	11.3
Benzo(a)pyrene		1.068	1.003	1.034	0.976	0.951	0.989	4.8
Indeno(1,2,3-cd)pyrene		1.091	1.212	1.442	1.471	1.401	1.343	10.3
Dibenzo(a,h)anthracene		0.906	0.999	1.180	1.213	1.143	1.099	9.9
Benzo(g,h,i)perylene		0.946	1.049	1.262	1.270	1.210	1.165	10.4
1,2,4,5-Tetrachlorobenzene		0.603	0.584	0.580	0.550	0.531	0.557	5.7
1,4-Dioxane		0.566	0.563	0.582	0.571	0.549	0.559	2.9
2,3,4,6-Tetrachlorophenol		0.303	0.311	0.329	0.311	0.305	0.309	3.4
1-Methylnaphthalene		0.736	0.692	0.688	0.644	0.613	0.653	8.3

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF072424 SAS No.: BF072424 SDG NO.: BF072424

EPA Sample No.: SSTDICCC040 Date Analyzed: Jul 24 2024 12:00AM

Lab File ID: BF138486.D Time Analyzed: 11:32

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	96160	6.869	383936	8.15	215266	9.90
	UPPER LIMIT	192320	7.369	767872	8.651	430532	10.404
	LOWER LIMIT	48080	6.369	191968	7.651	107633	9.404
	EPA SAMPLE NO.						
01	PB162159BL	74314	6.85	310692	8.13	171174	9.89
02	PB162159BS	82866	6.85	342224	8.13	189702	9.89
03	PB162224BL	74399	6.85	310901	8.13	167451	9.89
04	PB162224BS	82445	6.85	340645	8.13	189271	9.89
05	PB162198TB	74798	6.85	308753	8.13	167365	9.89
06	PB162142BL	75928	6.85	313369	8.13	172868	9.89
07	PB162256BL	75388	6.85	314692	8.13	173622	9.89
08	PB162256BS	83060	6.85	340347	8.13	187813	9.89
09	SU-03-072324	73349	6.85	286876	8.13	132190	9.89
10	GREEN-STREET-B	87072	6.85	330497	8.13	143994	9.89
11	GREEN-STREET-A	75359	6.85	284447	8.13	122227	9.89
12	GREEN-STREET-AMS	80177	6.85	306007	8.13	129842	9.89
13	GREEN-STREET-AMSD	81347	6.86	299875	8.14	123482	9.89
14	AU-05-072324	77493	6.85	279251	8.13	111660	9.89

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF072424 SAS No.: BF072424 SDG NO.: BF072424

EPA Sample No.: SSTDCCC040 Date Analyzed: Jul 24 2024 12:00AM

Lab File ID: BF138632.D Time Analyzed: 11:32

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	80867	6.857	319755	8.14	174565	9.89
UPPER LIMIT	161734	7.357	639510	8.64	349130	10.392
LOWER LIMIT	40433.5	6.357	159877.5	7.64	87282.5	9.392
EPA SAMPLE NO.						
01 PB162159BL	74314	6.85	310692	8.13	171174	9.89
02 PB162159BS	82866	6.85	342224	8.13	189702	9.89
03 PB162224BL	74399	6.85	310901	8.13	167451	9.89
04 PB162224BS	82445	6.85	340645	8.13	189271	9.89
05 PB162198TB	74798	6.85	308753	8.13	167365	9.89
06 PB162142BL	75928	6.85	313369	8.13	172868	9.89
07 PB162256BL	75388	6.85	314692	8.13	173622	9.89
08 PB162256BS	83060	6.85	340347	8.13	187813	9.89
09 SU-03-072324	73349	6.85	286876	8.13	132190	9.89
10 GREEN-STREET-B	87072	6.85	330497	8.13	143994	9.89
11 GREEN-STREET-A	75359	6.85	284447	8.13	122227	9.89
12 GREEN-STREET-AMS	80177	6.85	306007	8.13	129842	9.89
13 GREEN-STREET-AMSD	81347	6.86	299875	8.14	123482	9.89
14 AU-05-072324	77493	6.85	279251	8.13	111660	9.89

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF072424 SAS No.: BF072424 SDG NO.: BF072424

EPA Sample No.: SSTDICCC040 Date Analyzed: Jul 24 2024 12:00AM

Lab File ID: BF138486.D Time Analyzed: 11:32

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	374771	11.386	178592	14.027	166880	15.486
UPPER LIMIT	749542	11.886	357184	14.527	333760	15.986
LOWER LIMIT	187385.5	10.886	89296	13.527	83440	14.986
EPA SAMPLE NO.						
01 PB162159BL	312893	11.37	204145	14.01	161356	15.47
02 PB162159BS	332399	11.37	152336	14.02	168429	15.47
03 PB162224BL	307825	11.38	187692	14.01	148917	15.47
04 PB162224BS	330092	11.38	147111	14.01	170250	15.47
05 PB162198TB	304749	11.37	186887	14.00	148093	15.47
06 PB162142BL	313619	11.37	192014	14.00	149541	15.47
07 PB162256BL	311033	11.37	191049	14.00	150505	15.47
08 PB162256BS	330524	11.38	149555	14.01	168394	15.47
09 SU-03-072324	168840 *	11.37	120236	14.02	98120	15.47
10 GREEN-STREET-B	183545 *	11.37	114659	14.01	88626	15.47
11 GREEN-STREET-A	165335 *	11.37	110578	14.01	88624	15.47
12 GREEN-STREET-AMS	187612	11.37	112974	14.01	93879	15.47
13 GREEN-STREET-AMSD	183422 *	11.37	108331	14.01	92611	15.47
14 AU-05-072324	178552 *	11.37	95831	14.01	90450	15.47

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF072424 SAS No.: BF072424 SDG NO.: BF072424

EPA Sample No.: SSTDCCC040 Date Analyzed: Jul 24 2024 12:00AM

Lab File ID: BF138632.D Time Analyzed: 11:32

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	295991	11.375	128377	14.01	157034	15.474
UPPER LIMIT	591982	11.875	256754	14.51	314068	15.974
LOWER LIMIT	147995.5	10.875	64188.5	13.51	78517	14.974
EPA SAMPLE NO.						
01 PB162159BL	312893	11.37	204145	14.01	161356	15.47
02 PB162159BS	332399	11.37	152336	14.02	168429	15.47
03 PB162224BL	307825	11.38	187692	14.01	148917	15.47
04 PB162224BS	330092	11.38	147111	14.01	170250	15.47
05 PB162198TB	304749	11.37	186887	14.00	148093	15.47
06 PB162142BL	313619	11.37	192014	14.00	149541	15.47
07 PB162256BL	311033	11.37	191049	14.00	150505	15.47
08 PB162256BS	330524	11.38	149555	14.01	168394	15.47
09 SU-03-072324	168840	11.37	120236	14.02	98120	15.47
10 GREEN-STREET-B	183545	11.37	114659	14.01	88626	15.47
11 GREEN-STREET-A	165335	11.37	110578	14.01	88624	15.47
12 GREEN-STREET-AMS	187612	11.37	112974	14.01	93879	15.47
13 GREEN-STREET-AMSD	183422	11.37	108331	14.01	92611	15.47
14 AU-05-072324	178552	11.37	95831	14.01	90450	15.47

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.: **BF072424**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162159BS	n-Nitrosodimethylamine	1700	1500	ug/Kg	88				57	103	
	Pyridine	1700	1300	ug/Kg	76				28	98	
	Benzaldehyde	1700	200	ug/Kg	12				10	147	
	Aniline	1700	1200	ug/Kg	71				38	100	
	Phenol	1700	1500	ug/Kg	88				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	1400	ug/Kg	82				52	100	
	Benzyl Alcohol	1700	1600	ug/Kg	94				42	116	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1400	ug/Kg	82				55	104	
	3+4-Methylphenols	1700	1600	ug/Kg	94				58	111	
	N-Nitroso-di-n-propylamine	1700	1600	ug/Kg	94				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				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	1500	ug/Kg	88				53	105	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	1,2,4-Trichlorobenzene	1700	1400	ug/Kg	82				44	110	
	Benzoic acid	1700	1100	ug/Kg	65				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	800	ug/Kg	47				16	100	
	Hexachlorobutadiene	1700	1300	ug/Kg	76				53	98	
	Caprolactam	1700	1400	ug/Kg	82				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	3800	ug/Kg	115				45	134	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	950	ug/Kg	56				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Total PAH	27200	24700	ug/Kg	91				57	104	
	2,4-Dinitrophenol	3300	2800	ug/Kg	85				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF072424**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162159BS	4-Nitrophenol	3300	2800	ug/Kg	85				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	2,4-Dinitrotoluene/2,6-Dinitrotr	3400	3000	ug/Kg	88				60	106	
	Diethylphthalate	1700	1600	ug/Kg	94				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				56	107	
	Azobenzene	1700	1600	ug/Kg	94				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				55	99	
	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1400	ug/Kg	82				67	113	
	Pentachlorophenol	3300	2600	ug/Kg	79				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Benzidine	3300	900	ug/Kg	27				10	98	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1900	ug/Kg	112		*		63	111	
	Di-n-octyl phthalate	1700	2000	ug/Kg	118		*		70	108	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1300	ug/Kg	76				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF072424**

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162224BS	n-Nitrosodimethylamine	50	44.5	ug/L	89				55	108	
	Pyridine	50	38.2	ug/L	76				29	97	
	Benzaldehyde	50	5.9	ug/L	12		*		15	121	
	Aniline	50	34.5	ug/L	69				10	130	
	Phenol	50	46.5	ug/L	93				66	118	
	bis(2-Chloroethyl)ether	50	47.3	ug/L	95				62	103	
	2-Chlorophenol	50	48	ug/L	96				70	117	
	1,2-Dichlorobenzene	50	45.4	ug/L	91				72	102	
	1,3-Dichlorobenzene	50	43.7	ug/L	87				71	103	
	1,4-Dichlorobenzene	50	43.7	ug/L	87				76	103	
	Benzyl Alcohol	50	47.6	ug/L	95		*		36	93	
	2-Methylphenol	50	46.9	ug/L	94				69	109	
	2,2-oxybis(1-Chloropropane)	50	42.9	ug/L	86				52	103	
	Acetophenone	50	41.6	ug/L	83				60	104	
	3+4-Methylphenols	50	47.2	ug/L	94				67	106	
	N-Nitroso-di-n-propylamine	50	47.6	ug/L	95				57	107	
	Hexachloroethane	50	45.3	ug/L	91				76	118	
	Nitrobenzene	50	43.5	ug/L	87				58	106	
	Isophorone	50	46.2	ug/L	92				61	102	
	2-Nitrophenol	50	46.8	ug/L	94				70	115	
	2,4-Dimethylphenol	50	48.5	ug/L	97				67	130	
	bis(2-Chloroethoxy)methane	50	45.6	ug/L	91				58	109	
	2,4-Dichlorophenol	50	44.1	ug/L	88				66	115	
	1,2,4-Trichlorobenzene	50	41.1	ug/L	82				41	115	
	Benzoic acid	50	34.8	ug/L	70				10	125	
	Naphthalene	50	43.6	ug/L	87				64	107	
	4-Chloroaniline	50	21.6	ug/L	43				10	85	
	Hexachlorobutadiene	50	39.6	ug/L	79				69	101	
	Caprolactam	50	42.9	ug/L	86				58	128	
	4-Chloro-3-methylphenol	50	46	ug/L	92				65	114	
	2-Methylnaphthalene	50	43.6	ug/L	87				64	107	
	Hexachlorocyclopentadiene	100	110	ug/L	110				36	160	
	2,4,6-Trichlorophenol	50	42.6	ug/L	85				61	110	
	2,4,5-Trichlorophenol	50	41.3	ug/L	83				70	106	
	1,1-Biphenyl	50	41	ug/L	82				72	98	
	2-Chloronaphthalene	50	42.5	ug/L	85				59	106	
	2-Nitroaniline	50	47	ug/L	94				58	107	
	Dimethylphthalate	50	46.6	ug/L	93				64	103	
	Acenaphthylene	50	48.2	ug/L	96				65	108	
	2,6-Dinitrotoluene	50	44.1	ug/L	88				64	110	
	3-Nitroaniline	50	27.6	ug/L	55				28	100	
	Acenaphthene	50	44.2	ug/L	88				59	113	
	Total PAH	800	739.4	ug/L	92				59	113	
	2,4-Dinitrophenol	100	83.3	ug/L	83				64	132	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF072424**

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162224BS	4-Nitrophenol	100	82.3	ug/L	82				68	116	
	Dibenzofuran	50	44.7	ug/L	89				65	106	
	2,4-Dinitrotoluene	50	45.8	ug/L	92				60	115	
	2,4-Dinitrotoluene/2,6-Dinitrotrc	100	89.9	ug/L	90				60	115	
	Diethylphthalate	50	46.4	ug/L	93				63	105	
	4-Chlorophenyl-phenylether	50	43.6	ug/L	87				61	104	
	Fluorene	50	44.5	ug/L	89				64	107	
	4-Nitroaniline	50	42.7	ug/L	85				69	112	
	4,6-Dinitro-2-methylphenol	50	49.5	ug/L	99				62	132	
	N-Nitrosodiphenylamine	50	47	ug/L	94				61	109	
	Azobenzene	50	47.3	ug/L	95				59	106	
	4-Bromophenyl-phenylether	50	45.1	ug/L	90				73	103	
	Hexachlorobenzene	50	44.8	ug/L	90				73	106	
	Atrazine	50	43.7	ug/L	87				76	120	
	Pentachlorophenol	100	77.2	ug/L	77				47	114	
	Phenanthrene	50	46.5	ug/L	93				62	109	
	Anthracene	50	47.6	ug/L	95				65	110	
	Carbazole	50	44.8	ug/L	90				62	106	
	Di-n-butylphthalate	50	48.8	ug/L	98				64	106	
	Fluoranthene	50	43.2	ug/L	86				64	110	
	Benzidine	100	28	ug/L	28				10	94	
	Pyrene	50	49	ug/L	98				71	103	
	Butylbenzylphthalate	50	54.4	ug/L	109		*		61	105	
	3,3-Dichlorobenzidine	50	33.4	ug/L	67				43	108	
	Benzo(a)anthracene	50	47	ug/L	94				62	107	
	Chrysene	50	46.8	ug/L	94				61	108	
	bis(2-Ethylhexyl)phthalate	50	59.4	ug/L	119		*		59	110	
	Di-n-octyl phthalate	50	61.8	ug/L	124				67	126	
	Benzo(b)fluoranthene	50	50.1	ug/L	100				77	113	
	Benzo(k)fluoranthene	50	39.3	ug/L	79				64	113	
	Benzo(a)pyrene	50	48.9	ug/L	98				72	131	
	Indeno(1,2,3-cd)pyrene	50	48.8	ug/L	98				72	105	
	Dibenz(a,h)anthracene	50	47.9	ug/L	96				78	115	
	Benzo(g,h,i)perylene	50	43.8	ug/L	88				75	118	
	1,2,4,5-Tetrachlorobenzene	50	39.4	ug/L	79				72	101	
	1,4-Dioxane	50	35.7	ug/L	71				38	125	
	2,3,4,6-Tetrachlorophenol	50	45.2	ug/L	90				63	116	
	1-Methylnaphthalene	50	41.6	ug/L	83				51	114	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF072424**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162256BS	n-Nitrosodimethylamine	1700	1500	ug/Kg	88				57	103	
	Pyridine	1700	1300	ug/Kg	76				28	98	
	Benzaldehyde	1700	200	ug/Kg	12				10	147	
	Aniline	1700	1200	ug/Kg	71				38	100	
	Phenol	1700	1500	ug/Kg	88				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	1600	ug/Kg	94				42	116	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1400	ug/Kg	82				55	104	
	3+4-Methylphenols	1700	1600	ug/Kg	94				58	111	
	N-Nitroso-di-n-propylamine	1700	1600	ug/Kg	94				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				67	119	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				53	105	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	1,2,4-Trichlorobenzene	1700	1400	ug/Kg	82				44	110	
	Benzoic acid	1700	1100	ug/Kg	65				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	670	ug/Kg	39				16	100	
	Hexachlorobutadiene	1700	1300	ug/Kg	76				53	98	
	Caprolactam	1700	1400	ug/Kg	82				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	3700	ug/Kg	112				45	134	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1600	ug/Kg	94				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	920	ug/Kg	54				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Total PAH	27200	24800	ug/Kg	91				57	104	
	2,4-Dinitrophenol	3300	2700	ug/Kg	82				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF072424**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162256BS	4-Nitrophenol	3300	2700	ug/Kg	82				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene/2,6-Dinitrotr	3400	3000	ug/Kg	88				60	106	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	Diethylphthalate	1700	1600	ug/Kg	94				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				56	107	
	Azobenzene	1700	1600	ug/Kg	94				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				55	99	
	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1500	ug/Kg	88				67	113	
	Pentachlorophenol	3300	2500	ug/Kg	76				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1400	ug/Kg	82				57	107	
	Benzidine	3300	880	ug/Kg	27				10	98	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	1000	ug/Kg	59				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	2000	ug/Kg	118		*		63	111	
	Di-n-octyl phthalate	1700	2000	ug/Kg	118		*		70	108	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1300	ug/Kg	76				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	



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Fax : 908 789 8922

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162142BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF072424

SAS No.: BF072424 SDG NO.: BF072424

Lab File ID: BF138638.D

Lab Sample ID: PB162142BL

Instrument ID: BNA_F

Date Extracted: 07/18/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/24/2024

Level: (low/med) LOW

Time Analyzed: 14:03

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED

COMMENTS: _____



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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162159BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF072424

SAS No.: BF072424 SDG NO.: BF072424

Lab File ID: BF138633.D

Lab Sample ID: PB162159BL

Instrument ID: BNA_F

Date Extracted: 07/19/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/24/2024

Level: (low/med) LOW

Time Analyzed: 11:32

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162159BS	PB162159BS	BF138634.D	07/24/2024

COMMENTS: _____



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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162224BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF072424

SAS No.: BF072424 SDG NO.: BF072424

Lab File ID: BF138635.D

Lab Sample ID: PB162224BL

Instrument ID: BNA_F

Date Extracted: 07/23/2024

Matrix: (soil/water) water

Date Analyzed: 07/24/2024

Level: (low/med) LOW

Time Analyzed: 12:31

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162224BS	PB162224BS	BF138636.D	07/24/2024
PB162198TB	PB162198TB	BF138637.D	07/24/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162256BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF072424

SAS No.: BF072424 SDG NO.: BF072424

Lab File ID: BF138639.D

Lab Sample ID: PB162256BL

Instrument ID: BNA_F

Date Extracted: 07/24/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/24/2024

Level: (low/med) LOW

Time Analyzed: 14:34

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162256BS	PB162256BS	BF138640.D	07/24/2024
SU-03-072324	P3339-01	BF138641.D	07/24/2024
GREEN-STREET-B	P3340-04	BF138642.D	07/24/2024
GREEN-STREET-A	P3340-01	BF138643.D	07/24/2024
GREEN-STREET-AMS	P3340-01MS	BF138644.D	07/24/2024
GREEN-STREET-AMSD	P3340-01MSD	BF138645.D	07/24/2024
AU-05-072324	P3341-01	BF138646.D	07/24/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF072424

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3340-01MS		Client Sample ID: GREEN-STREET-AMS		DataFile: BF138644.D							
n-Nitrosodimethylamine	2000		1900	ug/Kg	95				66	124	
Pyridine	2000		1700	ug/Kg	85				45	119	
Benzaldehyde	2000		0	ug/Kg	0	*			26	163	
Aniline	2000		1500	ug/Kg	75				10	88	
Phenol	2000		2000	ug/Kg	100				67	126	
bis(2-Chloroethyl)ether	2000		2100	ug/Kg	105				74	116	
2-Chlorophenol	2000		2100	ug/Kg	105				61	138	
1,2-Dichlorobenzene	2000		1900	ug/Kg	95				61	105	
1,3-Dichlorobenzene	2000		1900	ug/Kg	95				62	101	
1,4-Dichlorobenzene	2000		1900	ug/Kg	95				63	104	
Benzyl Alcohol	2000		2100	ug/Kg	105				47	126	
2-Methylphenol	2000		2000	ug/Kg	100				66	122	
2,2-oxybis(1-Chloropropane)	2000		1900	ug/Kg	95				52	115	
Acetophenone	2000		2000	ug/Kg	100				75	111	
3+4-Methylphenols	2000		2100	ug/Kg	105				53	132	
N-Nitroso-di-n-propylamine	2000		2000	ug/Kg	100				59	119	
Hexachloroethane	2000		1800	ug/Kg	90				65	117	
Nitrobenzene	2000		1900	ug/Kg	95				70	119	
Isophorone	2000		2000	ug/Kg	100				76	122	
2-Nitrophenol	2000		2000	ug/Kg	100				54	145	
2,4-Dimethylphenol	2000		2200	ug/Kg	110				83	144	
bis(2-Chloroethoxy)methane	2000		2100	ug/Kg	105				68	112	
2,4-Dichlorophenol	2000		1800	ug/Kg	90				72	118	
1,2,4-Trichlorobenzene	2000		1800	ug/Kg	90				57	103	
Benzoic acid	2000		1100	ug/Kg	55				50	104	
Naphthalene	2000		1900	ug/Kg	95				72	110	
4-Chloroaniline	2000		1000	ug/Kg	50				10	100	
Hexachlorobutadiene	2000		1800	ug/Kg	90				66	114	
Caprolactam	2000		1600	ug/Kg	80				51	134	
4-Chloro-3-methylphenol	2000		1700	ug/Kg	85				57	132	
2-Methylnaphthalene	2000		1800	ug/Kg	90				59	123	
Hexachlorocyclopentadiene	4000		1200	ug/Kg	30				10	175	
2,4,6-Trichlorophenol	2000		2000	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	2000		1800	ug/Kg	90				72	117	
1,1-Biphenyl	2000		2100	ug/Kg	105				75	113	
2-Chloronaphthalene	2000		2100	ug/Kg	105				67	118	
2-Nitroaniline	2000		2100	ug/Kg	105				69	127	
Dimethylphthalate	2000		2300	ug/Kg	115	*			70	113	
Acenaphthylene	2000		2200	ug/Kg	110				79	118	
2,6-Dinitrotoluene	2000		1900	ug/Kg	95				70	125	
3-Nitroaniline	2000		1600	ug/Kg	80				20	111	
Acenaphthene	2000		1900	ug/Kg	95				70	121	
Total PAH	32000	5180	35900	ug/Kg	112				70	121	
2,4-Dinitrophenol	4000		980	ug/Kg	25				16	160	
4-Nitrophenol	4000		3000	ug/Kg	75				45	133	
Dibenzofuran	2000		1900	ug/Kg	95				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF072424

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	2000		1800	ug/Kg	90				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	4000		3700	ug/Kg	93				55	128	
Diethylphthalate	2000		2100	ug/Kg	105				70	112	
4-Chlorophenyl-phenylether	2000		1800	ug/Kg	90				71	108	
Fluorene	2000		1900	ug/Kg	95				68	116	
4-Nitroaniline	2000		1600	ug/Kg	80				55	120	
4,6-Dinitro-2-methylphenol	2000		630	ug/Kg	32				32	145	
N-Nitrosodiphenylamine	2000		2200	ug/Kg	110				73	118	
Azobenzene	2000		1800	ug/Kg	90				73	110	
4-Bromophenyl-phenylether	2000		2100	ug/Kg	105				65	121	
Hexachlorobenzene	2000		1900	ug/Kg	95				67	118	
Atrazine	2000		2000	ug/Kg	100				79	127	
Pentachlorophenol	4000		3200	ug/Kg	80				47	128	
Phenanthrene	2000	460	2400	ug/Kg	97				72	113	
Anthracene	2000		2200	ug/Kg	110				62	124	
Carbazole	2000		2100	ug/Kg	105				59	119	
Di-n-butylphthalate	2000		2200	ug/Kg	110				69	118	
Fluoranthene	2000	870	2800	ug/Kg	97				59	125	
Benzydine	4000		2400	ug/Kg	60				10	119	
Pyrene	2000	810	2500	ug/Kg	85				52	128	
Butylbenzylphthalate	2000		2700	ug/Kg	135	*			64	126	
3,3-Dichlorobenzidine	2000		2200	ug/Kg	110				10	164	
Benzo(a)anthracene	2000	500	2500	ug/Kg	100				71	114	
Chrysene	2000	440	2300	ug/Kg	93				57	121	
bis(2-Ethylhexyl)phthalate	2000		3500	ug/Kg	175	*			66	127	
Di-n-octyl phthalate	2000		3100	ug/Kg	155	*			71	126	
Benzo(b)fluoranthene	2000	650	2700	ug/Kg	103				67	121	
Benzo(k)fluoranthene	2000	200	2100	ug/Kg	95				74	114	
Benzo(a)pyrene	2000	590	2600	ug/Kg	101				70	142	
Indeno(1,2,3-cd)pyrene	2000	290	2100	ug/Kg	91				61	125	
Dibenz(a,h)anthracene	2000		1900	ug/Kg	95				67	130	
Benzo(g,h,i)perylene	2000	370	1900	ug/Kg	77				53	140	
1,2,4,5-Tetrachlorobenzene	2000		2100	ug/Kg	105				69	124	
1,4-Dioxane	2000		1600	ug/Kg	80				46	112	
2,3,4,6-Tetrachlorophenol	2000		1700	ug/Kg	85				56	133	
1-Methylnaphthalene	2000		1700	ug/Kg	85				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF072424

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3340-01MSD		Client Sample ID: GREEN-STREET-AMSD		DataFile: BF138645.D							
n-Nitrosodimethylamine	2000		1900	ug/Kg	95		0		66	124	20
Pyridine	2000		1700	ug/Kg	85		0		45	119	20
Benzaldehyde	2000		0	ug/Kg	0	*			26	163	20
Aniline	2000		1600	ug/Kg	80		6		10	88	20
Phenol	2000		2000	ug/Kg	100		0		67	126	20
bis(2-Chloroethyl)ether	2000		2100	ug/Kg	105		0		74	116	20
2-Chlorophenol	2000		2100	ug/Kg	105		0		61	138	20
1,2-Dichlorobenzene	2000		2000	ug/Kg	100		5		61	105	20
1,3-Dichlorobenzene	2000		1900	ug/Kg	95		0		62	101	20
1,4-Dichlorobenzene	2000		1900	ug/Kg	95		0		63	104	20
Benzyl Alcohol	2000		2100	ug/Kg	105		0		47	126	20
2-Methylphenol	2000		2000	ug/Kg	100		0		66	122	20
2,2-oxybis(1-Chloropropane)	2000		1900	ug/Kg	95		0		52	115	20
Acetophenone	2000		2000	ug/Kg	100		0		75	111	20
3+4-Methylphenols	2000		2000	ug/Kg	100		5		53	132	20
N-Nitroso-di-n-propylamine	2000		2100	ug/Kg	105		5		59	119	20
Hexachloroethane	2000		1800	ug/Kg	90		0		65	117	20
Nitrobenzene	2000		2000	ug/Kg	100		5		70	119	20
Isophorone	2000		2100	ug/Kg	105		5		76	122	20
2-Nitrophenol	2000		2000	ug/Kg	100		0		54	145	20
2,4-Dimethylphenol	2000		2200	ug/Kg	110		0		83	144	20
bis(2-Chloroethoxy)methane	2000		2100	ug/Kg	105		0		68	112	20
2,4-Dichlorophenol	2000		1900	ug/Kg	95		5		72	118	20
1,2,4-Trichlorobenzene	2000		1900	ug/Kg	95		5		57	103	20
Benzoic acid	2000		1100	ug/Kg	55		0		50	104	20
Naphthalene	2000		2000	ug/Kg	100		5		72	110	20
4-Chloroaniline	2000		1100	ug/Kg	55		10		10	100	20
Hexachlorobutadiene	2000		1800	ug/Kg	90		0		66	114	20
Caprolactam	2000		1600	ug/Kg	80		0		51	134	20
4-Chloro-3-methylphenol	2000		1800	ug/Kg	90		6		57	132	20
2-Methylnaphthalene	2000		1800	ug/Kg	90		0		59	123	20
Hexachlorocyclopentadiene	4000		1000	ug/Kg	25		18		10	175	20
2,4,6-Trichlorophenol	2000		2000	ug/Kg	100		0		72	117	20
2,4,5-Trichlorophenol	2000		1800	ug/Kg	90		0		72	117	20
1,1-Biphenyl	2000		2200	ug/Kg	110		5		75	113	20
2-Chloronaphthalene	2000		2100	ug/Kg	105		0		67	118	20
2-Nitroaniline	2000		2200	ug/Kg	110		5		69	127	20
Dimethylphthalate	2000		2400	ug/Kg	120	*	4		70	113	20
Acenaphthylene	2000		2300	ug/Kg	115		4		79	118	20
2,6-Dinitrotoluene	2000		2000	ug/Kg	100		5		70	125	20
3-Nitroaniline	2000		1600	ug/Kg	80		0		20	111	20
Acenaphthene	2000		2000	ug/Kg	100		5		70	121	20
Total PAH	32000	5180	37000	ug/Kg	116		4		70	121	20
2,4-Dinitrophenol	4000		880	ug/Kg	22		13		16	160	20
4-Nitrophenol	4000		3200	ug/Kg	80		6		45	133	20
Dibenzofuran	2000		2000	ug/Kg	100		5		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF072424

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	2000		1800	ug/Kg	90		0		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	4000		3800	ug/Kg	95		2		55	128	20
Diethylphthalate	2000		2200	ug/Kg	110		5		70	112	20
4-Chlorophenyl-phenylether	2000		1900	ug/Kg	95		5		71	108	20
Fluorene	2000		1900	ug/Kg	95		0		68	116	20
4-Nitroaniline	2000		1700	ug/Kg	85		6		55	120	20
4,6-Dinitro-2-methylphenol	2000		510	ug/Kg	26	*	21	*	32	145	20
N-Nitrosodiphenylamine	2000		2300	ug/Kg	115		4		73	118	20
Azobenzene	2000		1900	ug/Kg	95		5		73	110	20
4-Bromophenyl-phenylether	2000		2100	ug/Kg	105		0		65	121	20
Hexachlorobenzene	2000		2000	ug/Kg	100		5		67	118	20
Atrazine	2000		2000	ug/Kg	100		0		79	127	20
Pentachlorophenol	4000		3300	ug/Kg	83		4		47	128	20
Phenanthrene	2000	460	2500	ug/Kg	102		5		72	113	20
Anthracene	2000		2300	ug/Kg	115		4		62	124	20
Carbazole	2000		2200	ug/Kg	110		5		59	119	20
Di-n-butylphthalate	2000		2400	ug/Kg	120	*	9		69	118	20
Fluoranthene	2000	870	2900	ug/Kg	102		5		59	125	20
Benzydine	4000		2600	ug/Kg	65		8		10	119	20
Pyrene	2000	810	2600	ug/Kg	90		6		52	128	20
Butylbenzylphthalate	2000		2800	ug/Kg	140	*	4		64	126	20
3,3-Dichlorobenzidine	2000		2200	ug/Kg	110		0		10	164	20
Benzo(a)anthracene	2000	500	2600	ug/Kg	105		5		71	114	20
Chrysene	2000	440	2200	ug/Kg	88		6		57	121	20
bis(2-Ethylhexyl)phthalate	2000		3500	ug/Kg	175	*	0		66	127	20
Di-n-octyl phthalate	2000		3200	ug/Kg	160	*	3		71	126	20
Benzo(b)fluoranthene	2000	650	2800	ug/Kg	108		5		67	121	20
Benzo(k)fluoranthene	2000	200	2100	ug/Kg	95		0		74	114	20
Benzo(a)pyrene	2000	590	2600	ug/Kg	101		0		70	142	20
Indeno(1,2,3-cd)pyrene	2000	290	2200	ug/Kg	96		5		61	125	20
Dibenz(a,h)anthracene	2000		2000	ug/Kg	100		5		67	130	20
Benzo(g,h,i)perylene	2000	370	2000	ug/Kg	82		6		53	140	20
1,2,4,5-Tetrachlorobenzene	2000		2100	ug/Kg	105		0		69	124	20
1,4-Dioxane	2000		1600	ug/Kg	80		0		46	112	20
2,3,4,6-Tetrachlorophenol	2000		1700	ug/Kg	85		0		56	133	20
1-Methylnaphthalene	2000		1700	ug/Kg	85		0		70	130	20



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

Surrogate Summary

SW-846

SDG No.: BF072424

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB162142BL	PB162142BL	BF138638.D	2-Fluorophenol	150	144.63	96		18	112
			Phenol-d6	150	144.05	96		15	107
			Nitrobenzene-d5	100	96.33	96		18	107
			2-Fluorobiphenyl	100	96.11	96		20	109
			2,4,6-Tribromophenol	150	146.33	98		10	110
			Terphenyl-d14	100	103.28	103		14	112



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Surrogate Summary

SW-846

SDG No.: **BF072424**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB162159BL	PB162159BL	BF138633.D	2-Fluorophenol	150	146.20	97		18	112
			Phenol-d6	150	146.90	98		15	107
			Nitrobenzene-d5	100	95.85	96		18	107
			2-Fluorobiphenyl	100	95.74	96		20	109
			2,4,6-Tribromophenol	150	147.78	99		10	110
			Terphenyl-d14	100	96.91	97		14	112
PB162159BS	PB162159BS	BF138634.D	2-Fluorophenol	150	125.53	84		18	112
			Phenol-d6	150	126.36	84		15	107
			Nitrobenzene-d5	100	83.39	83		18	107
			2-Fluorobiphenyl	100	81.29	81		20	109
			2,4,6-Tribromophenol	150	129.94	87		10	110
			Terphenyl-d14	100	108.04	108		14	112



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Surrogate Summary

SW-846

SDG No.: **BF072424**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB162198TB	PB162198TB	BF138637.D	2-Fluorophenol	150	141.85	95		10	139
			Phenol-d6	150	138.61	92		10	134
			Nitrobenzene-d5	100	93.69	94		49	133
			2-Fluorobiphenyl	100	93.19	93		52	132
			2,4,6-Tribromophenol	150	140.45	94		32	145
			Terphenyl-d14	100	101.36	101		36	145
PB162224BL	PB162224BL	BF138635.D	2-Fluorophenol	150	146.07	97		10	139
			Phenol-d6	150	145.12	97		10	134
			Nitrobenzene-d5	100	96.20	96		49	133
			2-Fluorobiphenyl	100	97.65	98		52	132
			2,4,6-Tribromophenol	150	147.86	99		32	145
			Terphenyl-d14	100	102.04	102		36	145
PB162224BS	PB162224BS	BF138636.D	2-Fluorophenol	150	125.34	84		10	139
			Phenol-d6	150	126.33	84		10	134
			Nitrobenzene-d5	100	83.02	83		49	133
			2-Fluorobiphenyl	100	82.28	82		52	132
			2,4,6-Tribromophenol	150	129.44	86		32	145
			Terphenyl-d14	100	108.97	109		36	145

Surrogate Summary

SW-846

SDG No.: **BF072424**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3339-01	SU-03-072324	BF138641.D	2-Fluorophenol	150	108.68	72		18	112
			Phenol-d6	150	108.78	73		15	107
			Nitrobenzene-d5	100	73.38	73		18	107
			2-Fluorobiphenyl	100	77.29	77		20	109
			2,4,6-Tribromophenol	150	85.96	57		10	110
			Terphenyl-d14	100	70.11	70		14	112
P3340-01	GREEN-STREET-/BF138643.D		2-Fluorophenol	150	140.00	93		18	112
			Phenol-d6	150	139.30	93		15	107
			Nitrobenzene-d5	100	97.21	97		18	107
			2-Fluorobiphenyl	100	105.49	105		20	109
			2,4,6-Tribromophenol	150	112.80	75		10	110
			Terphenyl-d14	100	93.82	94		14	112
P3340-01MS	GREEN-STREET-/BF138644.D		2-Fluorophenol	150	118.67	79		18	112
			Phenol-d6	150	120.89	81		15	107
			Nitrobenzene-d5	100	83.05	83		18	107
			2-Fluorobiphenyl	100	91.10	91		20	109
			2,4,6-Tribromophenol	150	102.20	68		10	110
			Terphenyl-d14	100	87.58	88		14	112
P3340-01MSD	GREEN-STREET-/BF138645.D		2-Fluorophenol	150	121.43	81		18	112
			Phenol-d6	150	120.81	81		15	107
			Nitrobenzene-d5	100	86.75	87		18	107
			2-Fluorobiphenyl	100	95.28	95		20	109
			2,4,6-Tribromophenol	150	107.96	72		10	110
			Terphenyl-d14	100	92.04	92		14	112
P3340-04	GREEN-STREET-IBF138642.D		2-Fluorophenol	150	78.03	52		18	112
			Phenol-d6	150	79.04	53		15	107
			Nitrobenzene-d5	100	55.56	56		18	107
			2-Fluorobiphenyl	100	61.83	62		20	109
			2,4,6-Tribromophenol	150	63.52	42		10	110
			Terphenyl-d14	100	54.85	55		14	112
P3341-01	AU-05-072324	BF138646.D	2-Fluorophenol	150	81.59	54		18	112
			Phenol-d6	150	80.52	54		15	107
			Nitrobenzene-d5	100	57.15	57		18	107
			2-Fluorobiphenyl	100	65.20	65		20	109
			2,4,6-Tribromophenol	150	71.34	48		10	110
			Terphenyl-d14	100	67.11	67		14	112
PB162256BL	PB162256BL	BF138639.D	2-Fluorophenol	150	147.22	98		18	112
			Phenol-d6	150	146.23	97		15	107
			Nitrobenzene-d5	100	96.45	96		18	107
			2-Fluorobiphenyl	100	95.10	95		20	109
			2,4,6-Tribromophenol	150	142.84	95		10	110
			Terphenyl-d14	100	103.14	103		14	112
PB162256BS	PB162256BS	BF138640.D	2-Fluorophenol	150	125.98	84		18	112
			Phenol-d6	150	126.28	84		15	107
			Nitrobenzene-d5	100	83.72	84		18	107
			2-Fluorobiphenyl	100	82.68	83		20	109
			2,4,6-Tribromophenol	150	130.82	87		10	110
			Terphenyl-d14	100	107.73	108		14	112

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF072424

Lab Code: CHEM

SAS No.: BF072424

SDG NO.: BF072424

Lab File ID: BF138631.D

DFTPP Injection Date: 07/24/2024

Instrument ID: BNA_F

DFTPP Injection Time: 10:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	49
68	Less than 2.0% of mass 69	0.7 (1.7) 1
69	Mass 69 relative abundance	40.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	50.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 60.0% of mass 198	26.3
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	14.4
442	Greater than 50% of mass 198	89.6
443	15.0 - 24.0% of mass 442	17.6 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF138632.D	07/24/2024	11:02
PB162159BL	PB162159BL	BF138633.D	07/24/2024	11:32
PB162159BS	PB162159BS	BF138634.D	07/24/2024	12:01
PB162224BL	PB162224BL	BF138635.D	07/24/2024	12:31
PB162224BS	PB162224BS	BF138636.D	07/24/2024	13:02
PB162198TB	PB162198TB	BF138637.D	07/24/2024	13:33
PB162142BL	PB162142BL	BF138638.D	07/24/2024	14:03
PB162256BL	PB162256BL	BF138639.D	07/24/2024	14:34
PB162256BS	PB162256BS	BF138640.D	07/24/2024	15:05
SU-03-072324	P3339-01	BF138641.D	07/24/2024	15:41
GREEN-STREET-B	P3340-04	BF138642.D	07/24/2024	16:13
GREEN-STREET-A	P3340-01	BF138643.D	07/24/2024	16:43
GREEN-STREET-AMS	P3340-01MS	BF138644.D	07/24/2024	17:15
GREEN-STREET-AMSD	P3340-01MSD	BF138645.D	07/24/2024	17:46
AU-05-072324	P3341-01	BF138646.D	07/24/2024	18:17