

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM032524 SAS No.: BM032524 SDG No.: BM032524

Instrument ID: BNA_M Calibration Date/Time: 3/25/2024 1:10:16

Lab File ID: BM044751.D Init. Calib. Date(s): _____

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

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.649	0.705		8.629	
Pyridine	1.619	1.475		-8.894	
2-Fluorophenol	1.393	1.303		-6.461	
Benzaldehyde	0.939	0.878		-6.496	
Aniline	2.122	2.028		-4.43	
Phenol-d6	1.792	1.706		-4.799	
Phenol	1.790	1.702		-4.916	20.0
bis(2-Chloroethyl)ether	1.461	1.384		-5.27	
2-Chlorophenol	1.387	1.350		-2.668	
1,2-Dichlorobenzene	1.434	1.357		-5.37	
1,3-Dichlorobenzene	1.492	1.399		-6.233	
1,4-Dichlorobenzene	1.504	1.418		-5.718	20.0
Benzyl Alcohol	1.178	1.223		3.82	
2-Methylphenol	1.221	1.213		-0.655	
2,2-oxybis(1-Chloropropane)	2.026	1.969		-2.813	
Acetophenone	0.525	0.500		-4.762	
3+4-Methylphenols	1.647	1.657		0.607	
n-Nitroso-di-n-propylamine	1.094	1.087	0.050	-0.64	
Nitrobenzene-d5	0.415	0.404		-2.651	
Hexachloroethane	0.556	0.544		-2.158	
Nitrobenzene	0.410	0.393		-4.146	
Isophorone	0.716	0.710		-0.838	
2-Nitrophenol	0.177	0.189		6.78	20.0
2,4-Dimethylphenol	0.311	0.301		-3.215	
bis(2-Chloroethoxy)methane	0.476	0.443		-6.933	
2,4-Dichlorophenol	0.297	0.301		1.347	20.0
1,2,4-Trichlorobenzene	0.316	0.304		-3.797	
Benzoic acid	0.231	0.234		1.299	
Naphthalene	1.098	1.030		-6.193	
4-Chloroaniline	0.460	0.454		-1.304	
Hexachlorobutadiene	0.176	0.177		0.568	20.0
Caprolactam	0.096	0.104		8.333	
4-Chloro-3-methylphenol	0.326	0.332		1.84	20.0
2-Methylnaphthalene	0.745	0.711		-4.564	
Hexachlorocyclopentadiene	0.323	0.278	0.050	-13.932	
2,4,6-Trichlorophenol	0.383	0.394		2.872	20.0
2-Fluorobiphenyl	1.452	1.377		-5.165	
2,4,5-Trichlorophenol	0.454	0.467		2.863	
1,1-Biphenyl	1.564	1.452		-7.161	
2-Chloronaphthalene	1.157	1.104		-4.581	
2-Nitroaniline	0.392	0.407		3.827	

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

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.496	1.454		-2.807	
Acenaphthylene	1.884	1.810		-3.928	
2,6-Dinitrotoluene	0.312	0.317		1.603	
3-Nitroaniline	0.365	0.370		1.37	
Acenaphthene	1.139	1.064		-6.585	20.0
2,4-Dinitrophenol	0.180	0.161	0.050	-10.556	
4-Nitrophenol	0.300	0.285	0.050	-5.0	
Dibenzofuran	1.808	1.688		-6.637	
2,4-Dinitrotoluene	0.407	0.431		5.897	
Diethylphthalate	1.514	1.482		-2.114	
4-Chlorophenyl-phenylether	0.676	0.640		-5.325	
Fluorene	1.408	1.339		-4.901	
4-Nitroaniline	0.364	0.373		2.473	
4,6-Dinitro-2-methylphenol	0.125	0.118		-5.6	
n-Nitrosodiphenylamine	0.623	0.594		-4.655	20.0
Azobenzene	1.565	1.500		-4.153	
2,4,6-Tribromophenol	0.221	0.234		5.882	
4-Bromophenyl-phenylether	0.207	0.201		-2.899	
Hexachlorobenzene	0.220	0.217		-1.364	
Atrazine	0.195	0.196		0.513	
Pentachlorophenol	0.158	0.160		1.266	20.0
Phenanthrene	1.105	1.031		-6.697	
Anthracene	1.109	1.058		-4.599	
Carbazole	1.044	0.984		-5.747	
Di-n-butylphthalate	1.345	1.320		-1.859	
Fluoranthene	1.236	1.145		-7.362	20.0
Benzidine	0.517	0.563		8.897	
Pyrene	1.466	1.623		10.709	
Terphenyl-d14	1.143	1.265		10.674	
Butylbenzylphthalate	0.661	0.781		18.154	
3,3-Dichlorobenzidine	0.479	0.483		0.835	
Benzo (a) anthracene	1.392	1.375		-1.221	
Chrysene	1.330	1.295		-2.632	
Bis (2-ethylhexyl) phthalate	0.995	1.069		7.437	
Di-n-octyl phthalate	1.726	1.759		1.912	20.0
Benzo (b) fluoranthene	1.175	1.162		-1.106	
Benzo (k) fluoranthene	1.208	1.189		-1.573	
Benzo (a) pyrene	1.146	1.115		-2.705	20.0
Indeno (1,2,3-cd) pyrene	1.446	1.285		-11.134	
Dibenzo (a,h) anthracene	1.219	1.082		-11.239	
Benzo (g,h,i) perylene	1.200	1.052		-12.333	



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Lab File ID: BM044751.D Init. Calib. Date(s): _____

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

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.568	0.548		-3.521	
1,4-Dioxane	0.586	0.503		-14.164	20.0
2,3,4,6-Tetrachlorophenol	0.353	0.350		-0.85	
1-Methylnaphthalene	0.694	0.668		-3.746	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	PB159758BL	SDG No.:	BM032524
Lab Sample ID:	PB159758BL	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
BM044752.D	1	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

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
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

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	PB159758BL	SDG No.:	BM032524
Lab Sample ID:	PB159758BL	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
BM044752.D	1	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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)	69.4	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
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

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	PB159758BL	SDG No.:	BM032524
Lab Sample ID:	PB159758BL	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
BM044752.D	1	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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	125.106		18-112		83	SPK: -150
13127-88-3	Phenol-d6	119.429		15-107		80	SPK: -150
4165-60-0	Nitrobenzene-d5	80.572		18-107		81	SPK: -100
321-60-8	2-Fluorobiphenyl	80.656		20-109		81	SPK: -100
118-79-6	2,4,6-Tribromophenol	142.831		10-110		95	SPK: -150
1718-51-0	Terphenyl-d14	76.948		14-112		77	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	230276	7.686				
1146-65-2	Naphthalene-d8	907715	10.463				
15067-26-2	Acenaphthene-d10	510417	14.333				
1517-22-2	Phenanthrene-d10	1094365	17.086				
1719-03-5	Chrysene-d12	1062314	21.286				
1520-96-3	Perylene-d12	1116160	23.527				



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

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	PB159758BL	SDG No.:	BM032524
Lab Sample ID:	PB159758BL	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
BM044752.D	1	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	130	A			4.851	
000057-10-3	n-Hexadecanoic acid	660	J			18.003	
000057-11-4	Octadecanoic acid	250	J			19.286	
000646-31-1	Tetracosane	88.3	J			22.874	
000630-01-3	Hexacosane	130	J			23.45	
001560-88-9	Octadecane, 2-methyl-	150	J			24.109	
014905-56-7	Tetradecane, 2,6,10-trimethyl-	120	J			24.868	

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	PB159758BS	SDG No.:	BM032524
Lab Sample ID:	PB159758BS	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
BM044753.D	1	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1700		86.7	270	330	ug/Kg
110-86-1	Pyridine	1000		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	340		180	270	330	ug/Kg
62-53-3	Aniline	640		96.8	130	170	ug/Kg
108-95-2	Phenol	1500		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1500		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1600		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	1700		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1400		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	470		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.2	130	170	ug/Kg
105-60-2	Caprolactam	1400		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	PB159758BS	SDG No.:	BM032524
Lab Sample ID:	PB159758BS	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
BM044753.D	1	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	3200	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1700		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	1000		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1500		81	130	170	ug/Kg
Total PAH	Total PAH	25900		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2700	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	1400		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	1300		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1400		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1700		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1300		91.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	3100	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1500		83.9	130	170	ug/Kg
120-12-7	Anthracene	1500		84.3	130	170	ug/Kg
86-74-8	Carbazole	1400		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1300		81.6	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	PB159758BS	SDG No.:	BM032524
Lab Sample ID:	PB159758BS	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
BM044753.D	1	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	970		160	270	330	ug/Kg
129-00-0	Pyrene	1800		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		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	1600		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		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	1900		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1900		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1100		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	137.71		18-112		92	SPK: -150
13127-88-3	Phenol-d6	129.371		15-107		86	SPK: -150
4165-60-0	Nitrobenzene-d5	88.138		18-107		88	SPK: -100
321-60-8	2-Fluorobiphenyl	91.024		20-109		91	SPK: -100
118-79-6	2,4,6-Tribromophenol	134.425		10-110		90	SPK: -150
1718-51-0	Terphenyl-d14	101.132		14-112		101	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	229875	7.687				
1146-65-2	Naphthalene-d8	889874	10.463				
15067-26-2	Acenaphthene-d10	441691	14.333				
1517-22-2	Phenanthrene-d10	751408	17.086				
1719-03-5	Chrysene-d12	485430	21.286				
1520-96-3	Perylene-d12	545426	23.521				



Report of Analysis

Client:		Date Collected:	3/25/2024 12:00:00 AM
Project:		Date Received:	3/25/2024 12:00:00 AM
Client Sample ID:	PB159758BS	SDG No.:	BM032524
Lab Sample ID:	PB159758BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02	Final Vol:	1000 uL
Soil Aliquot Vol:		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
BM044753.D	1	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

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

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	PEZOMETER-200RE	SDG No.:	BM032524
Lab Sample ID:	P1788-01RE	Matrix:	Water
Analytical Method:	625.1	% 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
BM044754.D	1	3/19/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159652

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	4	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
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

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	PEZOMETER-200RE	SDG No.:	BM032524
Lab Sample ID:	P1788-01RE	Matrix:	Water
Analytical Method:	625.1	% 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
BM044754.D	1	3/19/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159652

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

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	PEZOMETER-200RE	SDG No.:	BM032524
Lab Sample ID:	P1788-01RE	Matrix:	Water
Analytical Method:	625.1	% 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
BM044754.D	1	3/19/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159652

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	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
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	35.433	*	60-140		35	SPK: -100
13127-88-3	Phenol-d6	20.915	*	60-140		21	SPK: -100
4165-60-0	Nitrobenzene-d5	82.386		60-140		82	SPK: -100
321-60-8	2-Fluorobiphenyl	84.525		60-140		85	SPK: -100
118-79-6	2,4,6-Tribromophenol	80.445		60-140		80	SPK: -100
1718-51-0	Terphenyl-d14	73.962		60-140		74	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	147685	7.693				
1146-65-2	Naphthalene-d8	600017	10.469				
15067-26-2	Acenaphthene-d10	329567	14.334				
1517-22-2	Phenanthrene-d10	587769	17.092				
1719-03-5	Chrysene-d12	502860	21.286				
1520-96-3	Perylene-d12	590920	23.527				



Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	PEZOMETER-200RE	SDG No.:	BM032524
Lab Sample ID:	P1788-01RE	Matrix:	Water
Analytical Method:	625.1	% 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
BM044754.D	1	3/19/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159652

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	1-Methylnaphthalene		U				

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	PEZOMETER-206RE	SDG No.:	BM032524
Lab Sample ID:	P1788-02RE	Matrix:	Water
Analytical Method:	625.1	% 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
BM044755.D	1	3/19/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159652

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	4	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
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

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	PEZOMETER-206RE	SDG No.:	BM032524
Lab Sample ID:	P1788-02RE	Matrix:	Water
Analytical Method:	625.1	% 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
BM044755.D	1	3/19/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159652

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

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	PEZOMETER-206RE	SDG No.:	BM032524
Lab Sample ID:	P1788-02RE	Matrix:	Water
Analytical Method:	625.1	% 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
BM044755.D	1	3/19/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159652

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	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
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	28.347	*	60-140		28	SPK: -100
13127-88-3	Phenol-d6	16.995	*	60-140		17	SPK: -100
4165-60-0	Nitrobenzene-d5	70.786		60-140		71	SPK: -100
321-60-8	2-Fluorobiphenyl	69.93		60-140		70	SPK: -100
118-79-6	2,4,6-Tribromophenol	87.815		60-140		88	SPK: -100
1718-51-0	Terphenyl-d14	82.089		60-140		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	153419	7.692				
1146-65-2	Naphthalene-d8	632721	10.469				
15067-26-2	Acenaphthene-d10	394878	14.333				
1517-22-2	Phenanthrene-d10	793815	17.092				
1719-03-5	Chrysene-d12	649621	21.286				
1520-96-3	Perylene-d12	647535	23.533				



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

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	PEZOMETER-206RE	SDG No.:	BM032524
Lab Sample ID:	P1788-02RE	Matrix:	Water
Analytical Method:	625.1	% 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
BM044755.D	1	3/19/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159652

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	1-Methylnaphthalene		U				

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	BELL-CON	SDG No.:	BM032524
Lab Sample ID:	P1845-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044756.D	1	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52	U	52	160	200	ug/Kg
110-86-1	Pyridine	47.9	U	47.9	77.9	100	ug/Kg
100-52-7	Benzaldehyde	110	U	110	160	200	ug/Kg
62-53-3	Aniline	58.1	U	58.1	77.9	100	ug/Kg
108-95-2	Phenol	49.7	U	49.7	77.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	50.2	U	50.2	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	50.1	U	50.1	77.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	50.7	U	50.7	77.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	51.6	U	51.6	77.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	51.9	U	51.9	77.9	100	ug/Kg
100-51-6	Benzyl Alcohol	49.8	U	49.8	160	200	ug/Kg
95-48-7	2-Methylphenol	48.3	U	48.3	77.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	54.5	U	54.5	77.9	100	ug/Kg
98-86-2	Acetophenone	96.5	J	52.1	77.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	47.8	U	47.8	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	24.2	U	24.2	48	48	ug/Kg
67-72-1	Hexachloroethane	49.8	U	49.8	77.9	100	ug/Kg
98-95-3	Nitrobenzene	54.4	U	54.4	77.9	100	ug/Kg
78-59-1	Isophorone	50.7	U	50.7	77.9	100	ug/Kg
88-75-5	2-Nitrophenol	56.7	U	56.7	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	55.9	U	55.9	77.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	51.4	U	51.4	77.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	45.3	U	45.3	77.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.2	U	51.2	77.9	100	ug/Kg
65-85-0	Benzoic acid	250		140	160	200	ug/Kg
91-20-3	Naphthalene	49.5	U	49.5	77.9	100	ug/Kg
106-47-8	4-Chloroaniline	49.5	U	49.5	77.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	49.9	U	49.9	77.9	100	ug/Kg
105-60-2	Caprolactam	52	U	52	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	46.5	U	46.5	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	49.5	U	49.5	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	BELL-CON	SDG No.:	BM032524
Lab Sample ID:	P1845-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044756.D	1	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	93.5	U	93.5	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	42.8	U	42.8	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	44.4	U	44.4	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	52.4	U	52.4	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	49.9	U	49.9	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	57	U	57	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	77.9	100	ug/Kg
208-96-8	Acenaphthylene	51.9	U	51.9	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	49.9	U	49.9	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	53.5	U	53.5	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.6	U	48.6	77.9	100	ug/Kg
Total PAH	Total PAH	794.6	U	794.6	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	160	200	ug/Kg
100-02-7	4-Nitrophenol	69.5	U	69.5	160	200	ug/Kg
132-64-9	Dibenzofuran	50.6	U	50.6	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	101.6	U	101.6	77.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	51.7	U	51.7	77.9	100	ug/Kg
84-66-2	Diethylphthalate	48	U	48	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	51.3	U	51.3	77.9	100	ug/Kg
86-73-7	Fluorene	51.3	U	51.3	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	64.1	U	64.1	77.9	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	70.1	U	70.1	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	48.9	U	48.9	77.9	100	ug/Kg
103-33-3	Azobenzene	47.7	U	47.7	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	47.3	U	47.3	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	51	U	51	77.9	100	ug/Kg
1912-24-9	Atrazine	54.8	U	54.8	77.9	100	ug/Kg
87-86-5	Pentachlorophenol	46.3	U	46.3	160	200	ug/Kg
85-01-8	Phenanthrene	50.4	U	50.4	77.9	100	ug/Kg
120-12-7	Anthracene	50.6	U	50.6	77.9	100	ug/Kg
86-74-8	Carbazole	48.1	U	48.1	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	50.5	U	50.5	77.9	100	ug/Kg
206-44-0	Fluoranthene	62	J	49	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	BELL-CON	SDG No.:	BM032524
Lab Sample ID:	P1845-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044756.D	1	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	97.7	U	97.7	160	200	ug/Kg
129-00-0	Pyrene	49.9	J	49.8	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	58	U	58	77.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	59.1	U	59.1	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	48.4	U	48.4	77.9	100	ug/Kg
218-01-9	Chrysene	47.7	U	47.7	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	700		54.6	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	65.9	U	65.9	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.6	U	48.6	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	49.5	U	49.5	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	55.8	U	55.8	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46.8	U	46.8	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	48.7	U	48.7	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48	U	48	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	52	U	52	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	65.9	U	65.9	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44.8	U	44.8	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	49.9	U	49.9	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.522		18-112		54	SPK: -150
13127-88-3	Phenol-d6	79.64		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	54.579		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	55.113		20-109		55	SPK: -100
118-79-6	2,4,6-Tribromophenol	89.207		10-110		59	SPK: -150
1718-51-0	Terphenyl-d14	59.691		14-112		60	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	183446	7.692				
1146-65-2	Naphthalene-d8	713794	10.469				
15067-26-2	Acenaphthene-d10	395780	14.333				
1517-22-2	Phenanthrene-d10	763141	17.092				
1719-03-5	Chrysene-d12	547859	21.297				
1520-96-3	Perylene-d12	583793	23.556				



Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	BELL-CON	SDG No.:	BM032524
Lab Sample ID:	P1845-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044756.D	1	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

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

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	EO-01-03222024-B	SDG No.:	BM032524
Lab Sample ID:	P1842-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044757.D	1	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	57.3	U	57.3	180	220	ug/Kg
110-86-1	Pyridine	52.8	U	52.8	85.9	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	64	U	64	85.9	110	ug/Kg
108-95-2	Phenol	54.7	U	54.7	85.9	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	55.3	U	55.3	85.9	110	ug/Kg
95-57-8	2-Chlorophenol	55.1	U	55.1	85.9	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	55.9	U	55.9	85.9	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	56.8	U	56.8	85.9	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	57.1	U	57.1	85.9	110	ug/Kg
100-51-6	Benzyl Alcohol	54.8	U	54.8	180	220	ug/Kg
95-48-7	2-Methylphenol	53.2	U	53.2	85.9	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	60	U	60	85.9	110	ug/Kg
98-86-2	Acetophenone	57.4	U	57.4	85.9	110	ug/Kg
65794-96-9	3+4-Methylphenols	52.7	U	52.7	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	26.6	U	26.6	52.8	52.8	ug/Kg
67-72-1	Hexachloroethane	54.8	U	54.8	85.9	110	ug/Kg
98-95-3	Nitrobenzene	60	U	60	85.9	110	ug/Kg
78-59-1	Isophorone	55.9	U	55.9	85.9	110	ug/Kg
88-75-5	2-Nitrophenol	62.4	U	62.4	85.9	110	ug/Kg
105-67-9	2,4-Dimethylphenol	61.5	U	61.5	85.9	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	56.7	U	56.7	85.9	110	ug/Kg
120-83-2	2,4-Dichlorophenol	49.9	U	49.9	85.9	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	56.4	U	56.4	85.9	110	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	54.5	U	54.5	85.9	110	ug/Kg
106-47-8	4-Chloroaniline	54.5	U	54.5	85.9	110	ug/Kg
87-68-3	Hexachlorobutadiene	55	U	55	85.9	110	ug/Kg
105-60-2	Caprolactam	57.3	U	57.3	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	51.2	U	51.2	85.9	110	ug/Kg
91-57-6	2-Methylnaphthalene	54.5	U	54.5	85.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	EO-01-03222024-B	SDG No.:	BM032524
Lab Sample ID:	P1842-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044757.D	1	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	100	U	100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	47.2	U	47.2	85.9	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	48.9	U	48.9	85.9	110	ug/Kg
92-52-4	1,1-Biphenyl	57.7	U	57.7	85.9	110	ug/Kg
91-58-7	2-Chloronaphthalene	55	U	55	85.9	110	ug/Kg
88-74-4	2-Nitroaniline	62.7	U	62.7	85.9	110	ug/Kg
131-11-3	Dimethylphthalate	54	U	54	85.9	110	ug/Kg
208-96-8	Acenaphthylene	120		57.1	85.9	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	54.9	U	54.9	85.9	110	ug/Kg
99-09-2	3-Nitroaniline	58.9	U	58.9	85.9	110	ug/Kg
83-32-9	Acenaphthene	53.6	U	53.6	85.9	110	ug/Kg
Total PAH	Total PAH	4756.4	U	875.1	85.9	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	76.6	U	76.6	180	220	ug/Kg
132-64-9	Dibenzofuran	55.7	U	55.7	85.9	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	56.9	U	56.9	85.9	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	11.8	U	111.8	85.9	220	ug/Kg
84-66-2	Diethylphthalate	52.9	U	52.9	85.9	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	56.5	U	56.5	85.9	110	ug/Kg
86-73-7	Fluorene	56.5	U	56.5	85.9	110	ug/Kg
100-01-6	4-Nitroaniline	70.7	U	70.7	85.9	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	77.3	U	77.3	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	53.9	U	53.9	85.9	110	ug/Kg
103-33-3	Azobenzene	52.6	U	52.6	85.9	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	52.1	U	52.1	85.9	110	ug/Kg
118-74-1	Hexachlorobenzene	56.1	U	56.1	85.9	110	ug/Kg
1912-24-9	Atrazine	60.4	U	60.4	85.9	110	ug/Kg
87-86-5	Pentachlorophenol	51	U	51	180	220	ug/Kg
85-01-8	Phenanthrene	270		55.5	85.9	110	ug/Kg
120-12-7	Anthracene	130		55.7	85.9	110	ug/Kg
86-74-8	Carbazole	53	U	53	85.9	110	ug/Kg
84-74-2	Di-n-butylphthalate	55.7	U	55.7	85.9	110	ug/Kg
206-44-0	Fluoranthene	780		54	85.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	EO-01-03222024-B	SDG No.:	BM032524
Lab Sample ID:	P1842-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044757.D	1	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	730		54.8	85.9	110	ug/Kg
85-68-7	Butylbenzylphthalate	63.9	U	63.9	85.9	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	65.1	U	65.1	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	480		53.3	85.9	110	ug/Kg
218-01-9	Chrysene	450		52.5	85.9	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	60.1	U	60.1	85.9	110	ug/Kg
117-84-0	Di-n-octyl phthalate	72.6	U	72.6	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	580		53.6	85.9	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	180		54.5	85.9	110	ug/Kg
50-32-8	Benzo(a)pyrene	450		61.4	85.9	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	230		51.6	85.9	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	76.4	J	53.6	85.9	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	280		52.9	85.9	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57.3	U	57.3	85.9	110	ug/Kg
123-91-1	1,4-Dioxane	72.6	U	72.6	85.9	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.3	U	49.3	85.9	110	ug/Kg
90-12-0	1-Methylnaphthalene	54.9	U	54.9	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	90.241		18-112		60	SPK: -150
13127-88-3	Phenol-d6	84.724		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	61.726		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	59.72		20-109		60	SPK: -100
118-79-6	2,4,6-Tribromophenol	109.476		10-110		73	SPK: -150
1718-51-0	Terphenyl-d14	58.504		14-112		59	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	175121	7.692				
1146-65-2	Naphthalene-d8	646470	10.475				
15067-26-2	Acenaphthene-d10	353776	14.333				
1517-22-2	Phenanthrene-d10	711196	17.092				
1719-03-5	Chrysene-d12	664514	21.292				
1520-96-3	Perylene-d12	791629	23.538				



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

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	EO-01-03222024-B	SDG No.:	BM032524
Lab Sample ID:	P1842-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044757.D	1	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
002531-84-2	Phenanthrene, 2-methyl-	70.9	J			17.968	
000057-10-3	n-Hexadecanoic acid	510	J			18.003	
000832-71-3	Phenanthrene, 3-methyl-	51.3	J			18.098	
000203-64-5	4H-Cyclopenta[def]phenanthrene	160	J			18.162	
003674-66-6	Phenanthrene, 2,5-dimethyl-	110	J			18.892	
005737-13-3	Cyclopenta(def)phenanthrenone	79.2	J			19.033	
000057-11-4	Octadecanoic acid	94.9	J			19.292	

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	EO-01-03222024-BMS	SDG No.:	BM032524
Lab Sample ID:	P1842-03MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044758.D	1	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	980		57.3	180	220	ug/Kg
110-86-1	Pyridine	640		52.7	85.8	110	ug/Kg
100-52-7	Benzaldehyde	230		120	180	220	ug/Kg
62-53-3	Aniline	370		64	85.8	110	ug/Kg
108-95-2	Phenol	860		54.7	85.8	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	820		55.2	85.8	110	ug/Kg
95-57-8	2-Chlorophenol	910		55.1	85.8	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	910		55.8	85.8	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	910		56.8	85.8	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	920		57.1	85.8	110	ug/Kg
100-51-6	Benzyl Alcohol	900		54.8	180	220	ug/Kg
95-48-7	2-Methylphenol	800		53.2	85.8	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	920		60	85.8	110	ug/Kg
98-86-2	Acetophenone	930		57.4	85.8	110	ug/Kg
65794-96-9	3+4-Methylphenols	800		52.7	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	810		26.6	52.8	52.8	ug/Kg
67-72-1	Hexachloroethane	930		54.8	85.8	110	ug/Kg
98-95-3	Nitrobenzene	880		59.9	85.8	110	ug/Kg
78-59-1	Isophorone	890		55.8	85.8	110	ug/Kg
88-75-5	2-Nitrophenol	950		62.4	85.8	110	ug/Kg
105-67-9	2,4-Dimethylphenol	710		61.5	85.8	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	850		56.6	85.8	110	ug/Kg
120-83-2	2,4-Dichlorophenol	910		49.8	85.8	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	960		56.4	85.8	110	ug/Kg
65-85-0	Benzoic acid	790		160	180	220	ug/Kg
91-20-3	Naphthalene	890		54.5	85.8	110	ug/Kg
106-47-8	4-Chloroaniline	180		54.5	85.8	110	ug/Kg
87-68-3	Hexachlorobutadiene	1000		55	85.8	110	ug/Kg
105-60-2	Caprolactam	780		57.3	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	800		51.2	85.8	110	ug/Kg
91-57-6	2-Methylnaphthalene	800		54.5	85.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	EO-01-03222024-BMS	SDG No.:	BM032524
Lab Sample ID:	P1842-03MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044758.D	1	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1000		100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	990		47.1	85.8	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	860		48.8	85.8	110	ug/Kg
92-52-4	1,1-Biphenyl	960		57.7	85.8	110	ug/Kg
91-58-7	2-Chloronaphthalene	980		55	85.8	110	ug/Kg
88-74-4	2-Nitroaniline	910		62.7	85.8	110	ug/Kg
131-11-3	Dimethylphthalate	880		53.9	85.8	110	ug/Kg
208-96-8	Acenaphthylene	1000		57.1	85.8	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	870		54.9	85.8	110	ug/Kg
99-09-2	3-Nitroaniline	520		58.9	85.8	110	ug/Kg
83-32-9	Acenaphthene	880		53.5	85.8	110	ug/Kg
Total PAH	Total PAH	18790		874.5	85.8	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	390		160	180	220	ug/Kg
100-02-7	4-Nitrophenol	1600		76.6	180	220	ug/Kg
132-64-9	Dibenzofuran	860		55.7	85.8	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	730		111.8	85.8	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	860		56.9	85.8	110	ug/Kg
84-66-2	Diethylphthalate	850		52.9	85.8	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	850		56.5	85.8	110	ug/Kg
86-73-7	Fluorene	850		56.4	85.8	110	ug/Kg
100-01-6	4-Nitroaniline	740		70.6	85.8	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	230		77.2	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	920		53.9	85.8	110	ug/Kg
103-33-3	Azobenzene	820		52.5	85.8	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	940		52.1	85.8	110	ug/Kg
118-74-1	Hexachlorobenzene	1000		56.1	85.8	110	ug/Kg
1912-24-9	Atrazine	940		60.3	85.8	110	ug/Kg
87-86-5	Pentachlorophenol	2100	E	51	180	220	ug/Kg
85-01-8	Phenanthrene	1100		55.4	85.8	110	ug/Kg
120-12-7	Anthracene	1000		55.7	85.8	110	ug/Kg
86-74-8	Carbazole	940		53	85.8	110	ug/Kg
84-74-2	Di-n-butylphthalate	890		55.6	85.8	110	ug/Kg
206-44-0	Fluoranthene	1600		53.9	85.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	EO-01-03222024-BMS	SDG No.:	BM032524
Lab Sample ID:	P1842-03MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044758.D	1	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	690		110	180	220	ug/Kg
129-00-0	Pyrene	1600		54.8	85.8	110	ug/Kg
85-68-7	Butylbenzylphthalate	950		63.9	85.8	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	790		65.1	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1400		53.3	85.8	110	ug/Kg
218-01-9	Chrysene	1300		52.5	85.8	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	890		60.1	85.8	110	ug/Kg
117-84-0	Di-n-octyl phthalate	960		72.6	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		53.5	85.8	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		54.5	85.8	110	ug/Kg
50-32-8	Benzo(a)pyrene	1300		61.4	85.8	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1200		51.5	85.8	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	970		53.6	85.8	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		52.9	85.8	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		57.3	85.8	110	ug/Kg
123-91-1	1,4-Dioxane	670		72.6	85.8	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	880		49.3	85.8	110	ug/Kg
90-12-0	1-Methylnaphthalene	790		54.9	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	89.007		18-112		59	SPK: -150
13127-88-3	Phenol-d6	82.559		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	60.938		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	63.996		20-109		64	SPK: -100
118-79-6	2,4,6-Tribromophenol	90.335		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	55.834		14-112		56	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	211049	7.693				
1146-65-2	Naphthalene-d8	770948	10.475				
15067-26-2	Acenaphthene-d10	365518	14.339				
1517-22-2	Phenanthrene-d10	627828	17.092				
1719-03-5	Chrysene-d12	587592	21.298				
1520-96-3	Perylene-d12	722599	23.539				



Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	EO-01-03222024-BMS	SDG No.:	BM032524
Lab Sample ID:	P1842-03MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044758.D	1	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

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

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	EO-01-03222024-BMSD	SDG No.:	BM032524
Lab Sample ID:	P1842-03MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
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
BM044759.D	1	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		57.3	180	220	ug/Kg
110-86-1	Pyridine	690		52.7	85.8	110	ug/Kg
100-52-7	Benzaldehyde	260		120	180	220	ug/Kg
62-53-3	Aniline	430		63.9	85.8	110	ug/Kg
108-95-2	Phenol	990		54.7	85.8	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	940		55.2	85.8	110	ug/Kg
95-57-8	2-Chlorophenol	1000		55.1	85.8	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		55.8	85.8	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		56.7	85.8	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		57.1	85.8	110	ug/Kg
100-51-6	Benzyl Alcohol	1000		54.8	180	220	ug/Kg
95-48-7	2-Methylphenol	930		53.2	85.8	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		60	85.8	110	ug/Kg
98-86-2	Acetophenone	1000		57.3	85.8	110	ug/Kg
65794-96-9	3+4-Methylphenols	930		52.6	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	940		26.6	52.8	52.8	ug/Kg
67-72-1	Hexachloroethane	990		54.8	85.8	110	ug/Kg
98-95-3	Nitrobenzene	990		59.9	85.8	110	ug/Kg
78-59-1	Isophorone	1000		55.8	85.8	110	ug/Kg
88-75-5	2-Nitrophenol	1000		62.3	85.8	110	ug/Kg
105-67-9	2,4-Dimethylphenol	810		61.5	85.8	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	960		56.6	85.8	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		49.8	85.8	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100		56.3	85.8	110	ug/Kg
65-85-0	Benzoic acid	800		160	180	220	ug/Kg
91-20-3	Naphthalene	990		54.5	85.8	110	ug/Kg
106-47-8	4-Chloroaniline	210		54.5	85.8	110	ug/Kg
87-68-3	Hexachlorobutadiene	1100		55	85.8	110	ug/Kg
105-60-2	Caprolactam	900		57.3	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	920		51.1	85.8	110	ug/Kg
91-57-6	2-Methylnaphthalene	910		54.4	85.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	EO-01-03222024-BMSD	SDG No.:	BM032524
Lab Sample ID:	P1842-03MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
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
BM044759.D	1	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	910		100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		47.1	85.8	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	960		48.8	85.8	110	ug/Kg
92-52-4	1,1-Biphenyl	1100		57.7	85.8	110	ug/Kg
91-58-7	2-Chloronaphthalene	1100		55	85.8	110	ug/Kg
88-74-4	2-Nitroaniline	1100		62.7	85.8	110	ug/Kg
131-11-3	Dimethylphthalate	1000		53.9	85.8	110	ug/Kg
208-96-8	Acenaphthylene	1100		57.1	85.8	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	970		54.9	85.8	110	ug/Kg
99-09-2	3-Nitroaniline	620		58.8	85.8	110	ug/Kg
83-32-9	Acenaphthene	970		53.5	85.8	110	ug/Kg
Total PAH	Total PAH	20890		874.2	85.8	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	390		160	180	220	ug/Kg
100-02-7	4-Nitrophenol	1700		76.5	180	220	ug/Kg
132-64-9	Dibenzofuran	940		55.7	85.8	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	900		111.8	85.8	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	930		56.9	85.8	110	ug/Kg
84-66-2	Diethylphthalate	950		52.8	85.8	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	930		56.5	85.8	110	ug/Kg
86-73-7	Fluorene	930		56.4	85.8	110	ug/Kg
100-01-6	4-Nitroaniline	840		70.6	85.8	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	230		77.2	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		53.8	85.8	110	ug/Kg
103-33-3	Azobenzene	890		52.5	85.8	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		52.1	85.8	110	ug/Kg
118-74-1	Hexachlorobenzene	1100		56.1	85.8	110	ug/Kg
1912-24-9	Atrazine	1100		60.3	85.8	110	ug/Kg
87-86-5	Pentachlorophenol	2200	E	51	180	220	ug/Kg
85-01-8	Phenanthrene	1300		55.4	85.8	110	ug/Kg
120-12-7	Anthracene	1100		55.7	85.8	110	ug/Kg
86-74-8	Carbazole	1000		53	85.8	110	ug/Kg
84-74-2	Di-n-butylphthalate	990		55.6	85.8	110	ug/Kg
206-44-0	Fluoranthene	1700		53.9	85.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	EO-01-03222024-BMSD	SDG No.:	BM032524
Lab Sample ID:	P1842-03MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
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
BM044759.D	1	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	890		110	180	220	ug/Kg
129-00-0	Pyrene	1800	E	54.8	85.8	110	ug/Kg
85-68-7	Butylbenzylphthalate	1100		63.9	85.8	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	920		65.1	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1500		53.2	85.8	110	ug/Kg
218-01-9	Chrysene	1500		52.4	85.8	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		60	85.8	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		72.6	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		53.5	85.8	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		54.5	85.8	110	ug/Kg
50-32-8	Benzo(a)pyrene	1500		61.4	85.8	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300		51.5	85.8	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		53.6	85.8	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		52.8	85.8	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		57.3	85.8	110	ug/Kg
123-91-1	1,4-Dioxane	700		72.6	85.8	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	910		49.3	85.8	110	ug/Kg
90-12-0	1-Methylnaphthalene	890		54.9	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	100.745		18-112		67	SPK: -150
13127-88-3	Phenol-d6	94.891		15-107		63	SPK: -150
4165-60-0	Nitrobenzene-d5	67.871		18-107		68	SPK: -100
321-60-8	2-Fluorobiphenyl	71.441		20-109		71	SPK: -100
118-79-6	2,4,6-Tribromophenol	96.144		10-110		64	SPK: -150
1718-51-0	Terphenyl-d14	64.446		14-112		64	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	235667	7.692				
1146-65-2	Naphthalene-d8	877463	10.475				
15067-26-2	Acenaphthene-d10	422488	14.339				
1517-22-2	Phenanthrene-d10	694360	17.098				
1719-03-5	Chrysene-d12	587617	21.297				
1520-96-3	Perylene-d12	715704	23.544				



Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	EO-01-03222024-BMSD	SDG No.:	BM032524
Lab Sample ID:	P1842-03MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.08	Final Vol:	1000 uL
Soil Aliquot Vol:		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
BM044759.D	1	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

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

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	EO-01-03222024-A	SDG No.:	BM032524
Lab Sample ID:	P1842-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044760.D	2	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	360	430	ug/Kg
110-86-1	Pyridine	110	U	110	170	220	ug/Kg
100-52-7	Benzaldehyde	240	U	240	360	430	ug/Kg
62-53-3	Aniline	130	U	130	170	220	ug/Kg
108-95-2	Phenol	110	U	110	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	170	220	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	170	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	170	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	170	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	170	220	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	360	430	ug/Kg
95-48-7	2-Methylphenol	110	U	110	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	170	220	ug/Kg
98-86-2	Acetophenone	110	U	110	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	360	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	53	U	53	110	110	ug/Kg
67-72-1	Hexachloroethane	110	U	110	170	220	ug/Kg
98-95-3	Nitrobenzene	120	U	120	170	220	ug/Kg
78-59-1	Isophorone	110	U	110	170	220	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	99.3	U	99.3	170	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	170	220	ug/Kg
65-85-0	Benzoic acid	310	U	310	360	430	ug/Kg
91-20-3	Naphthalene	110	U	110	170	220	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	170	220	ug/Kg
105-60-2	Caprolactam	110	U	110	360	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	100	U	100	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	EO-01-03222024-A	SDG No.:	BM032524
Lab Sample ID:	P1842-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044760.D	2	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	210	U	210	360	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	93.9	U	93.9	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	97.3	U	97.3	170	220	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	170	220	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	170	220	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	170	220	ug/Kg
208-96-8	Acenaphthylene	110	U	110	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	170	220	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	170	220	ug/Kg
83-32-9	Acenaphthene	110	U	110	170	220	ug/Kg
Total PAH	Total PAH	3270	U	1750	170	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	320	U	320	360	430	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	360	430	ug/Kg
132-64-9	Dibenzofuran	110	U	110	170	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	170	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	170	440	ug/Kg
84-66-2	Diethylphthalate	110	U	110	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	170	220	ug/Kg
86-73-7	Fluorene	110	U	110	170	220	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	360	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	170	220	ug/Kg
103-33-3	Azobenzene	100	U	100	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	170	220	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	170	220	ug/Kg
1912-24-9	Atrazine	120	U	120	170	220	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	360	430	ug/Kg
85-01-8	Phenanthrene	410		110	170	220	ug/Kg
120-12-7	Anthracene	160	J	110	170	220	ug/Kg
86-74-8	Carbazole	110	U	110	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	170	220	ug/Kg
206-44-0	Fluoranthene	570		110	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	EO-01-03222024-A	SDG No.:	BM032524
Lab Sample ID:	P1842-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044760.D	2	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	210	U	210	360	430	ug/Kg
129-00-0	Pyrene	600		110	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	130	360	430	ug/Kg
56-55-3	Benzo(a)anthracene	270		110	170	220	ug/Kg
218-01-9	Chrysene	280		100	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	360	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	310		110	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	J	110	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	250		120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	J	100	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	170	J	110	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	170	220	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	98.3	U	98.3	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	77.018		18-112		51	SPK: -150
13127-88-3	Phenol-d6	73.028		15-107		49	SPK: -150
4165-60-0	Nitrobenzene-d5	49.122		18-107		49	SPK: -100
321-60-8	2-Fluorobiphenyl	50.384		20-109		50	SPK: -100
118-79-6	2,4,6-Tribromophenol	86.86		10-110		58	SPK: -150
1718-51-0	Terphenyl-d14	52.19		14-112		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	162739	7.698				
1146-65-2	Naphthalene-d8	631207	10.475				
15067-26-2	Acenaphthene-d10	367684	14.339				
1517-22-2	Phenanthrene-d10	737449	17.098				
1719-03-5	Chrysene-d12	628210	21.291				
1520-96-3	Perylene-d12	712037	23.544				

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	EO-01-03222024-A	SDG No.:	BM032524
Lab Sample ID:	P1842-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044760.D	2	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000629-50-5	Tridecane	320	J			11.892	
000629-59-4	Tetradecane	430	J			13.157	
000629-62-9	Pentadecane	680	J			14.239	
000544-76-3	Hexadecane	750	J			15.198	
003892-00-0	Pentadecane, 2,6,10-trimethyl-	350	J			15.604	
000629-78-7	Heptadecane	1200	J			16.062	
000629-92-5	Nonadecane	750	J			16.862	
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	430	J			16.909	
000629-94-7	Heneicosane	680	J			17.598	
000112-39-0	Hexadecanoic acid, methyl ester	2600	J			17.78	
000057-10-3	n-Hexadecanoic acid	1400	J			18.009	
000112-95-8	Eicosane	610	J			18.298	
056554-62-2	10,13-Octadecadienoic acid, methyl	7300	J			18.933	
052380-33-3	11-Octadecenoic acid, methyl ester	6300	J			18.968	
000112-61-8	Methyl stearate	1200	J			19.098	
000057-11-4	Octadecanoic acid	460	J			19.297	
000205-12-9	7H-Benzof[c]fluorene	300	J			20.18	
055045-08-4	Dodecane, 2-methyl-6-propyl-	240	J			20.55	
002423-10-1	9-Octadecenal, (Z)-	580	J			21.897	
007378-99-6	N,N-Dimethyloctylamine	880	J			22.58	

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	SU-02-032224	SDG No.:	BM032524
Lab Sample ID:	P1847-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
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
BM044761.D	10	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	560	U	560	1700	2100	ug/Kg
110-86-1	Pyridine	510	U	510	830	1100	ug/Kg
100-52-7	Benzaldehyde	1200	U	1200	1700	2100	ug/Kg
62-53-3	Aniline	620	U	620	830	1100	ug/Kg
108-95-2	Phenol	530	U	530	830	1100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	540	U	540	830	1100	ug/Kg
95-57-8	2-Chlorophenol	530	U	530	830	1100	ug/Kg
95-50-1	1,2-Dichlorobenzene	540	U	540	830	1100	ug/Kg
541-73-1	1,3-Dichlorobenzene	550	U	550	830	1100	ug/Kg
106-46-7	1,4-Dichlorobenzene	550	U	550	830	1100	ug/Kg
100-51-6	Benzyl Alcohol	530	U	530	1700	2100	ug/Kg
95-48-7	2-Methylphenol	520	U	520	830	1100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	580	U	580	830	1100	ug/Kg
98-86-2	Acetophenone	560	U	560	830	1100	ug/Kg
65794-96-9	3+4-Methylphenols	510	U	510	1700	2100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	260	U	260	510	510	ug/Kg
67-72-1	Hexachloroethane	530	U	530	830	1100	ug/Kg
98-95-3	Nitrobenzene	580	U	580	830	1100	ug/Kg
78-59-1	Isophorone	540	U	540	830	1100	ug/Kg
88-75-5	2-Nitrophenol	600	U	600	830	1100	ug/Kg
105-67-9	2,4-Dimethylphenol	600	U	600	830	1100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	550	U	550	830	1100	ug/Kg
120-83-2	2,4-Dichlorophenol	480	U	480	830	1100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	550	U	550	830	1100	ug/Kg
65-85-0	Benzoic acid	1500	U	1500	1700	2100	ug/Kg
91-20-3	Naphthalene	640	J	530	830	1100	ug/Kg
106-47-8	4-Chloroaniline	530	U	530	830	1100	ug/Kg
87-68-3	Hexachlorobutadiene	530	U	530	830	1100	ug/Kg
105-60-2	Caprolactam	560	U	560	1700	2100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	500	U	500	830	1100	ug/Kg
91-57-6	2-Methylnaphthalene	530	U	530	830	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	SU-02-032224	SDG No.:	BM032524
Lab Sample ID:	P1847-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
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
BM044761.D	10	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1000	U	1000	1700	2100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	460	U	460	830	1100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	470	U	470	830	1100	ug/Kg
92-52-4	1,1-Biphenyl	560	U	560	830	1100	ug/Kg
91-58-7	2-Chloronaphthalene	530	U	530	830	1100	ug/Kg
88-74-4	2-Nitroaniline	610	U	610	830	1100	ug/Kg
131-11-3	Dimethylphthalate	520	U	520	830	1100	ug/Kg
208-96-8	Acenaphthylene	780	J	550	830	1100	ug/Kg
606-20-2	2,6-Dinitrotoluene	530	U	530	830	1100	ug/Kg
99-09-2	3-Nitroaniline	570	U	570	830	1100	ug/Kg
83-32-9	Acenaphthene	1200		520	830	1100	ug/Kg
Total PAH	Total PAH	78980		8490	830	17600	ug/Kg
51-28-5	2,4-Dinitrophenol	1600	U	1600	1700	2100	ug/Kg
100-02-7	4-Nitrophenol	740	U	740	1700	2100	ug/Kg
132-64-9	Dibenzofuran	780	J	540	830	1100	ug/Kg
121-14-2	2,4-Dinitrotoluene	550	U	550	830	1100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1080	U	1080	830	2200	ug/Kg
84-66-2	Diethylphthalate	510	U	510	830	1100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	550	U	550	830	1100	ug/Kg
86-73-7	Fluorene	1600		550	830	1100	ug/Kg
100-01-6	4-Nitroaniline	680	U	680	830	1100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	750	U	750	1700	2100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	520	U	520	830	1100	ug/Kg
103-33-3	Azobenzene	510	U	510	830	1100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	510	U	510	830	1100	ug/Kg
118-74-1	Hexachlorobenzene	540	U	540	830	1100	ug/Kg
1912-24-9	Atrazine	590	U	590	830	1100	ug/Kg
87-86-5	Pentachlorophenol	490	U	490	1700	2100	ug/Kg
85-01-8	Phenanthrene	9100		540	830	1100	ug/Kg
120-12-7	Anthracene	3400		540	830	1100	ug/Kg
86-74-8	Carbazole	650	J	510	830	1100	ug/Kg
84-74-2	Di-n-butylphthalate	540	U	540	830	1100	ug/Kg
206-44-0	Fluoranthene	12700		520	830	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	SU-02-032224	SDG No.:	BM032524
Lab Sample ID:	P1847-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
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
BM044761.D	10	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benzidine	1000	U	1000	1700	2100	ug/Kg
129-00-0	Pyrene	13400		530	830	1100	ug/Kg
85-68-7	Butylbenzylphthalate	620	U	620	830	1100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	630	U	630	1700	2100	ug/Kg
56-55-3	Benzo(a)anthracene	6900		520	830	1100	ug/Kg
218-01-9	Chrysene	6500		510	830	1100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	580	U	580	830	1100	ug/Kg
117-84-0	Di-n-octyl phthalate	700	U	700	1700	2100	ug/Kg
205-99-2	Benzo(b)fluoranthene	6700		520	830	1100	ug/Kg
207-08-9	Benzo(k)fluoranthene	2200		530	830	1100	ug/Kg
50-32-8	Benzo(a)pyrene	6400		600	830	1100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2800		500	830	1100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	960	J	520	830	1100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	3700		510	830	1100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	560	U	560	830	1100	ug/Kg
123-91-1	1,4-Dioxane	700	U	700	830	1100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	480	U	480	830	1100	ug/Kg
90-12-0	1-Methylnaphthalene	530	U	530	1100	1100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	67.22		18-112		45	SPK: -150
13127-88-3	Phenol-d6	60.38		15-107		40	SPK: -150
4165-60-0	Nitrobenzene-d5	44.07		18-107		44	SPK: -100
321-60-8	2-Fluorobiphenyl	50.07		20-109		50	SPK: -100
118-79-6	2,4,6-Tribromophenol	66.96		10-110		45	SPK: -150
1718-51-0	Terphenyl-d14	48.37		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	171318	7.699				
1146-65-2	Naphthalene-d8	618980	10.475				
15067-26-2	Acenaphthene-d10	308593	14.339				
1517-22-2	Phenanthrene-d10	565815	17.098				
1719-03-5	Chrysene-d12	490598	21.298				
1520-96-3	Perylene-d12	581806	23.551				

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	SU-02-032224	SDG No.:	BM032524
Lab Sample ID:	P1847-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
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
BM044761.D	10	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000544-76-3	Hexadecane	1800	J			11.898	
000629-59-4	Tetradecane	1700	J			13.157	
000629-62-9	Pentadecane	1800	J			14.239	
000629-92-5	Nonadecane	1700	J			15.198	
000629-78-7	Heptadecane	2900	J			16.069	
000593-45-3	Octadecane	1500	J			16.863	
000234-41-3	Naphtho[1,2-b]thiophene	1800	J			16.916	
000629-94-7	Heneicosane	1700	J			17.604	
000112-39-0	Hexadecanoic acid, methyl ester	18300	J			17.786	
000832-69-9	Phenanthrene, 1-methyl-	1600	J			17.974	
000613-12-7	Anthracene, 2-methyl-	4000	J			18.022	
000949-41-7	1H-Cyclopropa[1]phenanthrene,1a,9b	1300	J			18.104	
000203-64-5	4H-Cyclopenta[def]phenanthrene	4300	J			18.169	
000832-64-4	Phenanthrene, 4-methyl-	1300	J			18.204	
013187-99-0	2-Bromo dodecane	1700	J			18.298	
034373-96-1	9,10-Bis(bromomethyl)anthracene	1200	J			18.48	
000781-43-1	9,10-Dimethylantracene	2200	J			18.898	
017309-05-6	9,15-Octadecadienoic acid, methyl	74900	J			18.939	
056554-46-2	12-Octadecenoic acid, methyl ester	48600	J			18.974	
000112-61-8	Methyl stearate	8300	J			19.098	

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	SU-02-032224	SDG No.:	BM032524
Lab Sample ID:	P1847-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
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
BM044762.D	2	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	350	420	ug/Kg
110-86-1	Pyridine	100	U	100	170	220	ug/Kg
100-52-7	Benzaldehyde	230	U	230	350	420	ug/Kg
62-53-3	Aniline	120	U	120	170	220	ug/Kg
108-95-2	Phenol	110	U	110	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	170	220	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	170	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	170	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	170	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	170	220	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	350	420	ug/Kg
95-48-7	2-Methylphenol	100	U	100	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	170	220	ug/Kg
98-86-2	Acetophenone	110	U	110	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	350	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.6	U	51.6	100	100	ug/Kg
67-72-1	Hexachloroethane	110	U	110	170	220	ug/Kg
98-95-3	Nitrobenzene	120	U	120	170	220	ug/Kg
78-59-1	Isophorone	110	U	110	170	220	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	96.7	U	96.7	170	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	170	220	ug/Kg
65-85-0	Benzoic acid	300	U	300	350	420	ug/Kg
91-20-3	Naphthalene	600		110	170	220	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	170	220	ug/Kg
105-60-2	Caprolactam	110	U	110	350	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	99.2	U	99.2	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	370		110	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	SU-02-032224	SDG No.:	BM032524
Lab Sample ID:	P1847-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
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
BM044762.D	2	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	200	U	200	350	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	91.4	U	91.4	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	94.7	U	94.7	170	220	ug/Kg
92-52-4	1,1-Biphenyl	150	J	110	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	170	220	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	170	220	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	170	220	ug/Kg
208-96-8	Acenaphthylene	840		110	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	170	220	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	170	220	ug/Kg
83-32-9	Acenaphthene	1100		100	170	220	ug/Kg
Total PAH	Total PAH	68030		1690	170	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	310	350	420	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	350	420	ug/Kg
132-64-9	Dibenzofuran	730		110	170	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	170	440	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	170	220	ug/Kg
84-66-2	Diethylphthalate	100	U	100	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	170	220	ug/Kg
86-73-7	Fluorene	1500		110	170	220	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	350	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	170	220	ug/Kg
103-33-3	Azobenzene	100	U	100	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	170	220	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	170	220	ug/Kg
1912-24-9	Atrazine	120	U	120	170	220	ug/Kg
87-86-5	Pentachlorophenol	99	U	99	350	420	ug/Kg
85-01-8	Phenanthrene	7800	E	110	170	220	ug/Kg
120-12-7	Anthracene	3200		110	170	220	ug/Kg
86-74-8	Carbazole	610		100	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	170	220	ug/Kg
206-44-0	Fluoranthene	9000	E	100	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	SU-02-032224	SDG No.:	BM032524
Lab Sample ID:	P1847-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
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
BM044762.D	2	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	210	U	210	350	420	ug/Kg
129-00-0	Pyrene	11500	E	110	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	130	350	420	ug/Kg
56-55-3	Benzo(a)anthracene	6400	E	100	170	220	ug/Kg
218-01-9	Chrysene	5800	E	100	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	350	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	5800	E	100	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	2000		110	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	5600	E	120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2600		100	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	890		100	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	3400	E	100	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	170	220	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	95.6	U	95.6	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	340		110	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	64.368		18-112		43	SPK: -150
13127-88-3	Phenol-d6	59.456		15-107		40	SPK: -150
4165-60-0	Nitrobenzene-d5	42.484		18-107		42	SPK: -100
321-60-8	2-Fluorobiphenyl	44.884		20-109		45	SPK: -100
118-79-6	2,4,6-Tribromophenol	72.058		10-110		48	SPK: -150
1718-51-0	Terphenyl-d14	49.828		14-112		50	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	170933	7.698				
1146-65-2	Naphthalene-d8	651355	10.48				
15067-26-2	Acenaphthene-d10	374717	14.345				
1517-22-2	Phenanthrene-d10	703451	17.104				
1719-03-5	Chrysene-d12	527795	21.309				
1520-96-3	Perylene-d12	670263	23.574				

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	SU-02-032224	SDG No.:	BM032524
Lab Sample ID:	P1847-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
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
BM044762.D	2	3/25/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159758

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
002809-64-5	Naphthalene, 1,2,3,4-tetrahydro-5-	800	J			11.669	
000629-50-5	Tridecane	2100	J			11.898	
000629-62-9	Pentadecane	1200	J			14.245	
000544-76-3	Hexadecane	1100	J			15.204	
000629-78-7	Heptadecane	2400	J			16.068	
000629-92-5	Nonadecane	1300	J			16.862	
000132-65-0	Dibenzothiophene	1500	J			16.915	
000593-49-7	Heptacosane	1400	J			17.604	
000112-39-0	Hexadecanoic acid, methyl ester	10800	J			17.798	
002531-84-2	Phenanthrene, 2-methyl-	1600	J			17.98	
000613-12-7	Anthracene, 2-methyl-	3200	J			18.027	
000949-41-7	1H-Cyclopropa[1]phenanthrene,1a,9b	1100	J			18.109	
000203-64-5	4H-Cyclopenta[def]phenanthrene	3400	J			18.174	
000610-48-0	Anthracene, 1-methyl-	990	J			18.209	
055045-14-2	Tetradecane, 4-ethyl-	1400	J			18.303	
000612-94-2	Naphthalene, 2-phenyl-	1000	J			18.486	
000230-17-1	Benzo[c]cinnoline	820	J			18.539	
003674-66-6	Phenanthrene, 2,5-dimethyl-	1800	J			18.909	
002462-85-3	9,12-Octadecadienoic acid, methyl	20900	J			18.974	
000112-61-8	Methyl stearate	5900	J			19.109	

Hit Summary Sheet SW-846

SDG No.: BM032524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	EO-01-03222024-A							
P1842-01	EO-01-03222024-A	Solid	10,13-Octadecadienoic acid, meth *	7,300.000	J			
P1842-01	EO-01-03222024-A	Solid	11-Octadecenoic acid, methyl este *	6,300.000	J			
P1842-01	EO-01-03222024-A	Solid	7H-Benzof[c]fluorene *	300.000	J			
P1842-01	EO-01-03222024-A	Solid	9-Octadecenal, (Z)- *	580.000	J			
P1842-01	EO-01-03222024-A	Solid	Dodecane, 2-methyl-6-propyl- *	240.000	J			
P1842-01	EO-01-03222024-A	Solid	Eicosane *	610.000	J			
P1842-01	EO-01-03222024-A	Solid	Heneicosane *	680.000	J			
P1842-01	EO-01-03222024-A	Solid	Heptadecane *	1,200.000	J			
P1842-01	EO-01-03222024-A	Solid	Hexadecane *	750.000	J			
P1842-01	EO-01-03222024-A	Solid	Hexadecane, 2,6,10,14-tetramethy *	430.000	J			
P1842-01	EO-01-03222024-A	Solid	Hexadecanoic acid, methyl ester *	2,600.000	J			
P1842-01	EO-01-03222024-A	Solid	Methyl stearate *	1,200.000	J			
P1842-01	EO-01-03222024-A	Solid	N,N-Dimethyloctylamine *	880.000	J			
P1842-01	EO-01-03222024-A	Solid	n-Hexadecanoic acid *	1,400.000	J			
P1842-01	EO-01-03222024-A	Solid	Nonadecane *	750.000	J			
P1842-01	EO-01-03222024-A	Solid	Octadecanoic acid *	460.000	J			
P1842-01	EO-01-03222024-A	Solid	Pentadecane *	680.000	J			
P1842-01	EO-01-03222024-A	Solid	Pentadecane, 2,6,10-trimethyl- *	350.000	J			
P1842-01	EO-01-03222024-A	Solid	Tetradecane *	430.000	J			
P1842-01	EO-01-03222024-A	Solid	Tridecane *	320.000	J			
Total Tics :				27,460.00				
P1842-01	EO-01-03222024-A	Solid	Anthracene	160.000	J	110	220	ug/Kg
P1842-01	EO-01-03222024-A	Solid	Benzo(a)anthracene	270.000		110	220	ug/Kg
P1842-01	EO-01-03222024-A	Solid	Benzo(a)pyrene	250.000		120	220	ug/Kg
P1842-01	EO-01-03222024-A	Solid	Benzo(b)fluoranthene	310.000		110	220	ug/Kg
P1842-01	EO-01-03222024-A	Solid	Benzo(g,h,i)perylene	170.000	J	110	220	ug/Kg
P1842-01	EO-01-03222024-A	Solid	Benzo(k)fluoranthene	120.000	J	110	220	ug/Kg
P1842-01	EO-01-03222024-A	Solid	Chrysene	280.000		100	220	ug/Kg
P1842-01	EO-01-03222024-A	Solid	Fluoranthene	570.000		110	220	ug/Kg
P1842-01	EO-01-03222024-A	Solid	Indeno(1,2,3-cd)pyrene	130.000	J	100	220	ug/Kg
P1842-01	EO-01-03222024-A	Solid	Phenanthrene	410.000		110	220	ug/Kg
P1842-01	EO-01-03222024-A	Solid	Pyrene	600.000		110	220	ug/Kg
Total Svoc :				3,270.00				
Total Concentration:				30,730.00				
Client ID :	EO-01-03222024-B							
P1842-03	EO-01-03222024-B	Solid	4H-Cyclopenta[def]phenanthrene *	160.000	J			
P1842-03	EO-01-03222024-B	Solid	Cyclopenta(def)phenanthrenone *	79.200	J			
P1842-03	EO-01-03222024-B	Solid	n-Hexadecanoic acid *	510.000	J			
P1842-03	EO-01-03222024-B	Solid	Octadecanoic acid *	94.900	J			

Hit Summary Sheet SW-846

SDG No.: BM032524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1842-03	EO-01-03222024-B	Solid	Phenanthrene, 2,5-dimethyl-	*	110.000	J		
P1842-03	EO-01-03222024-B	Solid	Phenanthrene, 2-methyl-	*	70.900	J		
P1842-03	EO-01-03222024-B	Solid	Phenanthrene, 3-methyl-	*	51.300	J		
Total Tics :				1,076.30				
P1842-03	EO-01-03222024-B	Solid	Acenaphthylene		120.000	57.1	110	ug/Kg
P1842-03	EO-01-03222024-B	Solid	Anthracene		130.000	55.7	110	ug/Kg
P1842-03	EO-01-03222024-B	Solid	Benzo(a)anthracene		480.000	53.3	110	ug/Kg
P1842-03	EO-01-03222024-B	Solid	Benzo(a)pyrene		450.000	61.4	110	ug/Kg
P1842-03	EO-01-03222024-B	Solid	Benzo(b)fluoranthene		580.000	53.6	110	ug/Kg
P1842-03	EO-01-03222024-B	Solid	Benzo(g,h,i)perylene		280.000	52.9	110	ug/Kg
P1842-03	EO-01-03222024-B	Solid	Benzo(k)fluoranthene		180.000	54.5	110	ug/Kg
P1842-03	EO-01-03222024-B	Solid	Chrysene		450.000	52.5	110	ug/Kg
P1842-03	EO-01-03222024-B	Solid	Dibenzo(a,h)anthracene		76.400	J 53.6	110	ug/Kg
P1842-03	EO-01-03222024-B	Solid	Fluoranthene		780.000	54	110	ug/Kg
P1842-03	EO-01-03222024-B	Solid	Indeno(1,2,3-cd)pyrene		230.000	51.6	110	ug/Kg
P1842-03	EO-01-03222024-B	Solid	Phenanthrene		270.000	55.5	110	ug/Kg
P1842-03	EO-01-03222024-B	Solid	Pyrene		730.000	54.8	110	ug/Kg
Total Svoc :				4,756.40				
Total Concentration:				5,832.70				
Client ID : BELL-CON								
P1845-01	BELL-CON	Solid	Acetophenone		96.500	J 52.1	100	ug/Kg
P1845-01	BELL-CON	Solid	Benzoic acid		250.000	140	200	ug/Kg
P1845-01	BELL-CON	Solid	Bis(2-ethylhexyl)phthalate		700.000	54.6	100	ug/Kg
P1845-01	BELL-CON	Solid	Fluoranthene		62.000	J 49	100	ug/Kg
P1845-01	BELL-CON	Solid	Pyrene		49.900	J 49.8	100	ug/Kg
Total Svoc :				1,158.40				
Total Concentration:				1,158.40				
Client ID : SU-02-032224								
P1847-01	SU-02-032224	Solid	12-Octadecenoic acid, methyl este *		48,600.000	J		
P1847-01	SU-02-032224	Solid	1H-Cyclopropa[l]phenanthrene,1a *		1,300.000	J		
P1847-01	SU-02-032224	Solid	2-Bromo dodecane *		1,700.000	J		
P1847-01	SU-02-032224	Solid	4H-Cyclopenta[def]phenanthrene *		4,300.000	J		
P1847-01	SU-02-032224	Solid	9,10-Bis(bromomethyl)anthracene *		1,200.000	J		
P1847-01	SU-02-032224	Solid	9,10-Dimethylantracene *		2,200.000	J		
P1847-01	SU-02-032224	Solid	9,15-Octadecadienoic acid, methy *		74,900.000	J		
P1847-01	SU-02-032224	Solid	Anthracene, 2-methyl-	*	4,000.000	J		
P1847-01	SU-02-032224	Solid	Heneicosane *		1,700.000	J		
P1847-01	SU-02-032224	Solid	Heptadecane *		2,900.000	J		
P1847-01	SU-02-032224	Solid	Hexadecane *		1,800.000	J		
P1847-01	SU-02-032224	Solid	Hexadecanoic acid, methyl ester *		18,300.000	J		
P1847-01	SU-02-032224	Solid	Methyl stearate *		8,300.000	J		

Hit Summary Sheet SW-846

SDG No.: BM032524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1847-01	SU-02-032224	Solid	Naphtho[1,2-b]thiophene	*	1,800.000	J		
P1847-01	SU-02-032224	Solid	Nonadecane	*	1,700.000	J		
P1847-01	SU-02-032224	Solid	Octadecane	*	1,500.000	J		
P1847-01	SU-02-032224	Solid	Pentadecane	*	1,800.000	J		
P1847-01	SU-02-032224	Solid	Phenanthrene, 1-methyl-	*	1,600.000	J		
P1847-01	SU-02-032224	Solid	Phenanthrene, 4-methyl-	*	1,300.000	J		
P1847-01	SU-02-032224	Solid	Tetradecane	*	1,700.000	J		
P1847-01	SU-02-032224	Solid	1H-Cyclopropa[1]phenanthrene, 1a	*	1,100.000	J		
P1847-01	SU-02-032224	Solid	4H-Cyclopenta[def]phenanthrene	*	3,400.000	J		
P1847-01	SU-02-032224	Solid	9,12-Octadecadienoic acid, methyl	*	20,900.000	J		
P1847-01	SU-02-032224	Solid	Anthracene, 1-methyl-	*	990.000	J		
P1847-01	SU-02-032224	Solid	Anthracene, 2-methyl-	*	3,200.000	J		
P1847-01	SU-02-032224	Solid	Benzo[c]cinoline	*	820.000	J		
P1847-01	SU-02-032224	Solid	Dibenzothiophene	*	1,500.000	J		
P1847-01	SU-02-032224	Solid	Heptacosane	*	1,400.000	J		
P1847-01	SU-02-032224	Solid	Heptadecane	*	2,400.000	J		
P1847-01	SU-02-032224	Solid	Hexadecane	*	1,100.000	J		
P1847-01	SU-02-032224	Solid	Hexadecanoic acid, methyl ester	*	10,800.000	J		
P1847-01	SU-02-032224	Solid	Methyl stearate	*	5,900.000	J		
P1847-01	SU-02-032224	Solid	Naphthalene, 1,2,3,4-tetrahydro-5-	*	800.000	J		
P1847-01	SU-02-032224	Solid	Naphthalene, 2-phenyl-	*	1,000.000	J		
P1847-01	SU-02-032224	Solid	Nonadecane	*	1,300.000	J		
P1847-01	SU-02-032224	Solid	Pentadecane	*	1,200.000	J		
P1847-01	SU-02-032224	Solid	Phenanthrene, 2,5-dimethyl-	*	1,800.000	J		
P1847-01	SU-02-032224	Solid	Phenanthrene, 2-methyl-	*	1,600.000	J		
P1847-01	SU-02-032224	Solid	Tetradecane, 4-ethyl-	*	1,400.000	J		
P1847-01	SU-02-032224	Solid	Tridecane	*	2,100.000	J		
Total Tics :				247,310.00				
P1847-01	SU-02-032224	Solid	Acenaphthene	1,200.000		520	1100	ug/Kg
P1847-01	SU-02-032224	Solid	Acenaphthylene	780.000	J	550	1100	ug/Kg
P1847-01	SU-02-032224	Solid	Anthracene	3,400.000		540	1100	ug/Kg
P1847-01	SU-02-032224	Solid	Benzo(a)anthracene	6,900.000		520	1100	ug/Kg
P1847-01	SU-02-032224	Solid	Benzo(a)pyrene	6,400.000		600	1100	ug/Kg
P1847-01	SU-02-032224	Solid	Benzo(b)fluoranthene	6,700.000		520	1100	ug/Kg
P1847-01	SU-02-032224	Solid	Benzo(g,h,i)perylene	3,700.000		510	1100	ug/Kg
P1847-01	SU-02-032224	Solid	Benzo(k)fluoranthene	2,200.000		530	1100	ug/Kg
P1847-01	SU-02-032224	Solid	Carbazole	650.000	J	510	1100	ug/Kg
P1847-01	SU-02-032224	Solid	Chrysene	6,500.000		510	1100	ug/Kg
P1847-01	SU-02-032224	Solid	Dibenzo(a,h)anthracene	960.000	J	520	1100	ug/Kg
P1847-01	SU-02-032224	Solid	Dibenzofuran	780.000	J	540	1100	ug/Kg
P1847-01	SU-02-032224	Solid	Fluoranthene	12,700.000		520	1100	ug/Kg
P1847-01	SU-02-032224	Solid	Fluorene	1,600.000		550	1100	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM032524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1847-01	SU-02-032224	Solid	Indeno(1,2,3-cd)pyrene	2,800.000		500	1100	ug/Kg
P1847-01	SU-02-032224	Solid	Naphthalene	640.000	J	530	1100	ug/Kg
P1847-01	SU-02-032224	Solid	Phenanthrene	9,100.000		540	1100	ug/Kg
P1847-01	SU-02-032224	Solid	Pyrene	13,400.000		530	1100	ug/Kg
P1847-01	SU-02-032224	Solid	Total PAH	78,980.000		8490	17600	ug/Kg
P1847-01	SU-02-032224	Solid	1,1-Biphenyl	150.000	J	110	220	ug/Kg
P1847-01	SU-02-032224	Solid	1-Methylnaphthalene	340.000		110	220	ug/Kg
P1847-01	SU-02-032224	Solid	2-Methylnaphthalene	370.000		110	220	ug/Kg
P1847-01	SU-02-032224	Solid	Acenaphthene	1,100.000		100	220	ug/Kg
P1847-01	SU-02-032224	Solid	Acenaphthylene	840.000		110	220	ug/Kg
P1847-01	SU-02-032224	Solid	Anthracene	3,200.000		110	220	ug/Kg
P1847-01	SU-02-032224	Solid	Benzo(a)anthracene	6,400.000	E	100	220	ug/Kg
P1847-01	SU-02-032224	Solid	Benzo(a)pyrene	5,600.000	E	120	220	ug/Kg
P1847-01	SU-02-032224	Solid	Benzo(b)fluoranthene	5,800.000	E	100	220	ug/Kg
P1847-01	SU-02-032224	Solid	Benzo(g,h,i)perylene	3,400.000	E	100	220	ug/Kg
P1847-01	SU-02-032224	Solid	Benzo(k)fluoranthene	2,000.000		110	220	ug/Kg
P1847-01	SU-02-032224	Solid	Carbazole	610.000		100	220	ug/Kg
P1847-01	SU-02-032224	Solid	Chrysene	5,800.000	E	100	220	ug/Kg
P1847-01	SU-02-032224	Solid	Dibenzo(a,h)anthracene	890.000		100	220	ug/Kg
P1847-01	SU-02-032224	Solid	Dibenzofuran	730.000		110	220	ug/Kg
P1847-01	SU-02-032224	Solid	Fluoranthene	9,000.000	E	100	220	ug/Kg
P1847-01	SU-02-032224	Solid	Fluorene	1,500.000		110	220	ug/Kg
P1847-01	SU-02-032224	Solid	Indeno(1,2,3-cd)pyrene	2,600.000		100	220	ug/Kg
P1847-01	SU-02-032224	Solid	Naphthalene	600.000		110	220	ug/Kg
P1847-01	SU-02-032224	Solid	Phenanthrene	7,800.000	E	110	220	ug/Kg
P1847-01	SU-02-032224	Solid	Pyrene	11,500.000	E	110	220	ug/Kg
P1847-01	SU-02-032224	Solid	Total PAH	68,030.000		1690	3520	ug/Kg
Total Svoc :				297,650.00				
Total Concentration:				544,960.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM031324 SAS No.: BM031324 SDG No.: BM031324
Instrument ID: _____ Calibration Date(s): 3/13/2024 : _____
Calibration Time(s): 13:44 _____

LAB FILE ID:		RRF2.5 = BM044595.D			RRF005 = BM044596.D		RRF010 = BM044597.D	
		RRF020 = BM044598.D			RRF040 = BM044599.D		RRF050 = BM044600.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.619	0.612	0.680	0.663	0.653	0.649	4.1
Pyridine		1.502	1.573	1.700	1.646	1.632	1.619	4.0
2-Fluorophenol		1.337	1.392	1.461	1.411	1.381	1.393	3.0
Benzaldehyde		1.016	1.013	1.036	0.942	0.899	0.939	9.8
Aniline		1.994	2.033	2.196	2.168	2.166	2.122	3.9
Phenol-d6		1.685	1.757	1.893	1.832	1.802	1.792	3.9
Phenol		1.681	1.748	1.881	1.828	1.804	1.790	3.8
bis(2-Chloroethyl)ether		1.444	1.415	1.511	1.479	1.456	1.461	2.3
2-Chlorophenol		1.303	1.377	1.464	1.411	1.389	1.387	3.7
1,2-Dichlorobenzene		1.421	1.468	1.519	1.439	1.397	1.434	3.6
1,3-Dichlorobenzene		1.486	1.516	1.560	1.491	1.463	1.492	2.7
1,4-Dichlorobenzene		1.499	1.518	1.563	1.512	1.474	1.504	2.6
Benzyl Alcohol		1.033	1.069	1.226	1.231	1.224	1.178	7.6
2-Methylphenol		1.119	1.153	1.290	1.263	1.244	1.221	5.2
2,2-oxybis(1-Chloropropane)		2.019	2.035	2.122	2.049	1.999	2.026	3.1
Acetophenone		0.510	0.510	0.549	0.537	0.527	0.525	3.0
3+4-Methylphenols		1.457	1.534	1.751	1.714	1.702	1.647	6.7
n-Nitroso-di-n-propylamine	1.001	1.001	1.045	1.176	1.144	1.148	1.094	6.5
Nitrobenzene-d5		0.387	0.399	0.436	0.427	0.421	0.415	4.3
Hexachloroethane		0.534	0.549	0.580	0.562	0.551	0.556	2.7
Nitrobenzene		0.387	0.398	0.431	0.421	0.413	0.410	3.8
Isophorone		0.632	0.650	0.742	0.748	0.748	0.716	7.3
2-Nitrophenol		0.143	0.157	0.182	0.188	0.187	0.177	10.8
2,4-Dimethylphenol		0.277	0.297	0.325	0.322	0.319	0.311	5.9
bis(2-Chloroethoxy)methane		0.451	0.456	0.496	0.490	0.479	0.476	3.8
2,4-Dichlorophenol		0.260	0.276	0.311	0.310	0.305	0.297	7.0
1,2,4-Trichlorobenzene		0.311	0.314	0.326	0.317	0.312	0.316	1.9
Benzoic acid			0.160	0.222	0.242	0.251	0.231	16.0
Naphthalene		1.084	1.083	1.148	1.113	1.087	1.098	2.6
4-Chloroaniline		0.417	0.431	0.481	0.476	0.474	0.460	5.7
Hexachlorobutadiene		0.171	0.173	0.183	0.177	0.173	0.176	2.4
Caprolactam		0.076	0.078	0.097	0.103	0.107	0.096	14.0
4-Chloro-3-methylphenol		0.284	0.295	0.340	0.340	0.343	0.326	7.8
2-Methylnaphthalene		0.715	0.722	0.779	0.760	0.752	0.745	3.3
Hexachlorocyclopentadiene		0.279	0.305	0.319	0.334	0.332	0.323	7.6
2,4,6-Trichlorophenol		0.317	0.354	0.394	0.403	0.399	0.383	9.1

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.: BM031324 SAS No.: BM031324 SDG No.: BM031324
Instrument ID: _____ Calibration Date(s): 3/13/2024 : _____
Calibration Time(s): 13:44 _____

LAB FILE ID:		RRF2.5 = BM044595.D			RRF005 = BM044596.D		RRF010 = BM044597.D	
		RRF020 = BM044598.D			RRF040 = BM044599.D		RRF050 = BM044600.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.451	1.476	1.531	1.463	1.424	1.452	3.5
2,4,5-Trichlorophenol		0.398	0.428	0.467	0.469	0.467	0.454	6.6
1,1-Biphenyl		1.517	1.550	1.628	1.586	1.550	1.564	2.6
2-Chloronaphthalene		1.101	1.148	1.204	1.172	1.142	1.157	2.9
2-Nitroaniline		0.311	0.341	0.400	0.421	0.422	0.392	12.1
Dimethylphthalate		1.425	1.446	1.548	1.533	1.502	1.496	3.2
Acenaphthylene		1.752	1.817	1.962	1.938	1.908	1.884	4.1
2,6-Dinitrotoluene		0.270	0.287	0.323	0.324	0.322	0.312	7.5
3-Nitroaniline		0.291	0.316	0.378	0.384	0.391	0.365	11.8
Acenaphthene		1.090	1.103	1.179	1.162	1.149	1.139	3.1
2,4-Dinitrophenol			0.126	0.166	0.188	0.195	0.180	16.7
4-Nitrophenol			0.237	0.302	0.309	0.317	0.300	10.5
Dibenzofuran		1.772	1.809	1.902	1.842	1.790	1.808	3.3
2,4-Dinitrotoluene		0.321	0.354	0.423	0.436	0.437	0.407	12.0
Diethylphthalate		1.390	1.445	1.576	1.557	1.545	1.514	4.7
4-Chlorophenyl-phenylether		0.669	0.675	0.713	0.685	0.670	0.676	3.3
Fluorene		1.385	1.397	1.507	1.437	1.396	1.408	4.1
4-Nitroaniline		0.275	0.308	0.377	0.395	0.398	0.364	14.1
4,6-Dinitro-2-methylphenol			0.096	0.123	0.130	0.131	0.125	12.1
n-Nitrosodiphenylamine		0.576	0.599	0.657	0.641	0.624	0.623	4.6
Azobenzene		1.371	1.455	1.651	1.638	1.625	1.565	7.0
2,4,6-Tribromophenol		0.190	0.201	0.232	0.228	0.228	0.221	8.1
4-Bromophenyl-phenylether		0.193	0.199	0.213	0.211	0.207	0.207	3.8
Hexachlorobenzene		0.209	0.213	0.227	0.222	0.219	0.220	3.1
Atrazine		0.170	0.186	0.204	0.200	0.200	0.195	6.5
Pentachlorophenol		0.122	0.135	0.163	0.168	0.169	0.158	13.4
Phenanthrene		1.077	1.088	1.165	1.118	1.096	1.105	3.2
Anthracene		1.025	1.077	1.174	1.141	1.110	1.109	4.6
Carbazole		0.960	0.997	1.104	1.078	1.057	1.044	5.0
Di-n-butylphthalate		1.155	1.206	1.390	1.414	1.414	1.345	8.6
Fluoranthene		1.189	1.192	1.297	1.260	1.244	1.236	3.5
Benzidine			0.428	0.488	0.576	0.572	0.517	12.4
Pyrene		1.347	1.392	1.529	1.539	1.478	1.466	5.1
Terphenyl-d14		1.104	1.133	1.227	1.202	1.140	1.143	5.5
Butylbenzylphthalate		0.496	0.549	0.669	0.722	0.716	0.661	14.9
3,3-Dichlorobenzidine		0.409	0.439	0.510	0.519	0.502	0.479	9.0

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.: BM031324 SAS No.: BM031324 SDG No.: BM031324
Instrument ID: _____ Calibration Date(s): 3/13/2024 : _____
Calibration Time(s): 13:44 _____

LAB FILE ID:		RRF2.5 = BM044595.D			RRF005 = BM044596.D		RRF010 = BM044597.D	
		RRF020 = BM044598.D			RRF040 = BM044599.D		RRF050 = BM044600.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.309	1.345	1.455	1.429	1.397	1.392	4.0
Chrysene		1.299	1.300	1.380	1.377	1.320	1.330	3.3
Bis(2-ethylhexyl)phthalate		0.778	0.859	1.052	1.107	1.072	0.995	12.7
Di-n-octyl phthalate		1.313	1.423	1.723	1.900	1.892	1.726	14.9
Benzo(b)fluoranthene		1.092	1.117	1.207	1.207	1.175	1.175	4.4
Benzo(k)fluoranthene		1.129	1.189	1.279	1.226	1.220	1.208	4.6
Benzo(a)pyrene		1.036	1.083	1.194	1.179	1.168	1.146	5.6
Indeno(1,2,3-cd)pyrene		1.359	1.390	1.506	1.477	1.462	1.446	4.1
Dibenzo(a,h)anthracene		1.148	1.158	1.270	1.246	1.244	1.219	4.5
Benzo(g,h,i)perylene		1.149	1.146	1.243	1.211	1.208	1.200	3.4
1,2,4,5-Tetrachlorobenzene		0.549	0.567	0.582	0.570	0.560	0.568	2.1
1,4-Dioxane		0.574	0.602	0.622	0.579	0.569	0.586	3.5
2,3,4,6-Tetrachlorophenol		0.325	0.336	0.362	0.360	0.361	0.353	4.6
1-Methylnaphthalene		0.678	0.667	0.722	0.708	0.699	0.694	3.1

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM032524 SAS No.: BM032524 SDG NO.: BM032524

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

Lab File ID: BM044599.D Time Analyzed: 12:51

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	237331	7.704	938226	10.49	534669	14.35
UPPER LIMIT	474662	8.204	1876452	10.986	1069338	14.851
LOWER LIMIT	118665.5	7.204	469113	9.986	267334.5	13.851
EPA SAMPLE NO.						
01 PB159758BL	230276	7.69	907715	10.46	510417	14.33
02 PB159758BS	229875	7.69	889874	10.46	441691	14.33
03 PEZOMETER-200RE	147685	7.69	600017	10.47	329567	14.33
04 PEZOMETER-206RE	153419	7.69	632721	10.47	394878	14.33
05 BELL-CON	183446	7.69	713794	10.47	395780	14.33
06 EO-01-03222024-B	175121	7.69	646470	10.48	353776	14.33
07 EO-01-03222024-BMS	211049	7.69	770948	10.48	365518	14.34
08 EO-01-03222024-BMSD	235667	7.69	877463	10.48	422488	14.34
09 EO-01-03222024-A	162739	7.70	631207	10.48	367684	14.34
10 SU-02-032224	171318	7.70	618980	10.48	308593	14.34
11 SU-02-032224	170933	7.70	651355	10.48	374717	14.35

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM032524 SAS No.: BM032524 SDG NO.: BM032524

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

Lab File ID: BM044751.D Time Analyzed: 12:51

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	227054	7.687	916659	10.46	531523	14.33
	UPPER LIMIT	454108	8.187	1833318	10.963	1063046	14.833
	LOWER LIMIT	113527	7.187	458329.5	9.963	265761.5	13.833
	EPA SAMPLE NO.						
01	PB159758BL	230276	7.69	907715	10.46	510417	14.33
02	PB159758BS	229875	7.69	889874	10.46	441691	14.33
03	PEZOMETER-200RE	147685	7.69	600017	10.47	329567	14.33
04	PEZOMETER-206RE	153419	7.69	632721	10.47	394878	14.33
05	BELL-CON	183446	7.69	713794	10.47	395780	14.33
06	EO-01-03222024-B	175121	7.69	646470	10.48	353776	14.33
07	EO-01-03222024-BMS	211049	7.69	770948	10.48	365518	14.34
08	EO-01-03222024-BMSD	235667	7.69	877463	10.48	422488	14.34
09	EO-01-03222024-A	162739	7.70	631207	10.48	367684	14.34
10	SU-02-032224	171318	7.70	618980	10.48	308593	14.34
11	SU-02-032224	170933	7.70	651355	10.48	374717	14.35

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM032524 SAS No.: BM032524 SDG NO.: BM032524

EPA Sample No.: SSTDICCC040

Date Analyzed: Mar 25 2024 12:00AM

Lab File ID: BM044599.D

Time Analyzed: 12:51

Instrument ID: BNA_M

GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.04066e+04	17.104	895964	21.303	1.0338e+004	23.55
UPPER LIMIT	2081320	17.604	1791928	21.803	2067600	24.05
LOWER LIMIT	520330	16.604	447982	20.803	516900	23.05
EPA SAMPLE NO.						
01 PB159758BL	1.09437	17.09	1.06231e+	21.29	1.11616e+	23.53
02 PB159758BS	751408	17.09	485430	21.29	545426	23.52
03 PEZOMETER-200RE	587769	17.09	502860	21.29	590920	23.53
04 PEZOMETER-206RE	793815	17.09	649621	21.29	647535	23.53
05 BELL-CON	763141	17.09	547859	21.30	583793	23.56
06 EO-01-03222024-B	711196	17.09	664514	21.29	791629	23.54
07 EO-01-03222024-BMS	627828	17.09	587592	21.30	722599	23.54
08 EO-01-03222024-BMSD	694360	17.10	587617	21.30	715704	23.54
09 EO-01-03222024-A	737449	17.10	628210	21.29	712037	23.54
10 SU-02-032224	565815	17.10	490598	21.30	581806	23.55
11 SU-02-032224	703451	17.10	527795	21.31	670263	23.57

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM032524 SAS No.: BM032524 SDG NO.: BM032524

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

Lab File ID: BM044751.D Time Analyzed: 12:51

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.0372e+00	17.086	755289	21.286	750149	23.527
UPPER LIMIT	2074400	17.586	1510578	21.786	1500298	24.027
LOWER LIMIT	518600	16.586	377644.5	20.786	375074.5	23.027
EPA SAMPLE NO.						
01 PB159758BL	1.09437	17.09	1.06231e+	21.29	1.11616e+	23.53
02 PB159758BS	751408	17.09	485430	21.29	545426	23.52
03 PEZOMETER-200RE	587769	17.09	502860	21.29	590920	23.53
04 PEZOMETER-206RE	793815	17.09	649621	21.29	647535	23.53
05 BELL-CON	763141	17.09	547859	21.30	583793	23.56
06 EO-01-03222024-B	711196	17.09	664514	21.29	791629	23.54
07 EO-01-03222024-BMS	627828	17.09	587592	21.30	722599	23.54
08 EO-01-03222024-BMSD	694360	17.10	587617	21.30	715704	23.54
09 EO-01-03222024-A	737449	17.10	628210	21.29	712037	23.54
10 SU-02-032224	565815	17.10	490598	21.30	581806	23.55
11 SU-02-032224	703451	17.10	527795	21.31	670263	23.57

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.: BM032524

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159758BS	n-Nitrosodimethylamine	1700	1700	ug/Kg	100				57	103	
	Pyridine	1700	1000	ug/Kg	59				28	98	
	Benzaldehyde	1700	340	ug/Kg	20				10	147	
	Aniline	1700	640	ug/Kg	38				38	100	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	1,2-Dichlorobenzene	1700	1600	ug/Kg	94				51	102	
	1,3-Dichlorobenzene	1700	1600	ug/Kg	94				52	99	
	1,4-Dichlorobenzene	1700	1600	ug/Kg	94				52	100	
	Benzyl Alcohol	1700	1600	ug/Kg	94				42	116	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1600	ug/Kg	94				51	100	
	Acetophenone	1700	1500	ug/Kg	88				55	104	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1600	ug/Kg	94				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1700	ug/Kg	100				61	111	
	2,4-Dimethylphenol	1700	1300	ug/Kg	76				67	119	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				53	105	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	1,2,4-Trichlorobenzene	1700	1600	ug/Kg	94				44	110	
	Benzoic acid	1700	1400	ug/Kg	82				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	470	ug/Kg	28				16	100	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				53	98	
	Caprolactam	1700	1400	ug/Kg	82				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	3200	ug/Kg	97				45	134	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1700	ug/Kg	100		*		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	1000	ug/Kg	59				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Total PAH	27200	25900	ug/Kg	95				57	104	
	2,4-Dinitrophenol	3300	2700	ug/Kg	82				37	128	
	4-Nitrophenol	3300	2800	ug/Kg	85				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	



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

SDG No.: BM032524

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159758BS	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	1400	ug/Kg	82				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1300	ug/Kg	76				64	103	
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				56	107	
	Azobenzene	1700	1400	ug/Kg	82				54	103	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				55	99	
	Hexachlorobenzene	1700	1700	ug/Kg	100		*		64	98	
	Atrazine	1700	1300	ug/Kg	76				67	113	
	Pentachlorophenol	3300	3100	ug/Kg	94				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1400	ug/Kg	82				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1300	ug/Kg	76				57	107	
	Benzidine	3300	970	ug/Kg	29				10	98	
	Pyrene	1700	1800	ug/Kg	106		*		59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	1400	ug/Kg	82				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	1600	ug/Kg	94				63	111	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				70	108	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1900	ug/Kg	112		*		63	101	
	Dibenz(a,h)anthracene	1700	1900	ug/Kg	112				61	112	
	Benzo(g,h,i)perylene	1700	1900	ug/Kg	112		*		70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1700	ug/Kg	100				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159758BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM032524SAS No.: BM032524 SDG NO.: BM032524Lab File ID: BM044752.DLab Sample ID: PB159758BLInstrument ID: BNA_MDate Extracted: 03/25/2024Matrix: (soil/water) SolidDate Analyzed: 03/25/2024Level: (low/med) LOWTime Analyzed: 12:51

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159758BS	PB159758BS	BM044753.D	03/25/2024
BELL-CON	P1845-01	BM044756.D	03/25/2024
EO-01-03222024-B	P1842-03	BM044757.D	03/25/2024
EO-01-03222024-BMS	P1842-03MS	BM044758.D	03/25/2024
EO-01-03222024-BMSD	P1842-03MSD	BM044759.D	03/25/2024
EO-01-03222024-A	P1842-01	BM044760.D	03/25/2024
SU-02-032224	P1847-01	BM044761.D	03/25/2024
SU-02-032224	P1847-01	BM044762.D	03/25/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM032524

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	High	RPD
Lab Sample ID:	P1842-03MS	Client Sample ID:	EO-01-03222024-BMS					DataFile:	BM044758.D		
n-Nitrosodimethylamine	1100		980	ug/Kg	89				66	124	
Pyridine	1100		640	ug/Kg	58				45	119	
Benzaldehyde	1100		230	ug/Kg	21	*			26	163	
Aniline	1100		370	ug/Kg	34				10	88	
Phenol	1100		860	ug/Kg	78				67	126	
bis(2-Chloroethyl)ether	1100		820	ug/Kg	75				74	116	
2-Chlorophenol	1100		910	ug/Kg	83				61	138	
1,2-Dichlorobenzene	1100		910	ug/Kg	83				61	105	
1,3-Dichlorobenzene	1100		910	ug/Kg	83				62	101	
1,4-Dichlorobenzene	1100		920	ug/Kg	84				63	104	
Benzyl Alcohol	1100		900	ug/Kg	82				47	126	
2-Methylphenol	1100		800	ug/Kg	73				66	122	
2,2-oxybis(1-Chloropropane)	1100		920	ug/Kg	84				52	115	
Acetophenone	1100		930	ug/Kg	85				75	111	
3+4-Methylphenols	1100		800	ug/Kg	73				53	132	
N-Nitroso-di-n-propylamine	1100		810	ug/Kg	74				59	119	
Hexachloroethane	1100		930	ug/Kg	85				65	117	
Nitrobenzene	1100		880	ug/Kg	80				70	119	
Isophorone	1100		890	ug/Kg	81				76	122	
2-Nitrophenol	1100		950	ug/Kg	86				54	145	
2,4-Dimethylphenol	1100		710	ug/Kg	65	*			83	144	
bis(2-Chloroethoxy)methane	1100		850	ug/Kg	77				68	112	
2,4-Dichlorophenol	1100		910	ug/Kg	83				72	118	
1,2,4-Trichlorobenzene	1100		960	ug/Kg	87				57	103	
Benzoic acid	1100		790	ug/Kg	72				50	104	
Naphthalene	1100		890	ug/Kg	81				72	110	
4-Chloroaniline	1100		180	ug/Kg	16				10	100	
Hexachlorobutadiene	1100		1000	ug/Kg	91				66	114	
Caprolactam	1100		780	ug/Kg	71				51	134	
4-Chloro-3-methylphenol	1100		800	ug/Kg	73				57	132	
2-Methylnaphthalene	1100		800	ug/Kg	73				59	123	
Hexachlorocyclopentadiene	2200		1000	ug/Kg	45				10	175	
2,4,6-Trichlorophenol	1100		990	ug/Kg	90				72	117	
2,4,5-Trichlorophenol	1100		860	ug/Kg	78				72	117	
1,1-Biphenyl	1100		960	ug/Kg	87				75	113	
2-Chloronaphthalene	1100		980	ug/Kg	89				67	118	
2-Nitroaniline	1100		910	ug/Kg	83				69	127	
Dimethylphthalate	1100		880	ug/Kg	80				70	113	
Acenaphthylene	1100	120	1000	ug/Kg	80				79	118	
2,6-Dinitrotoluene	1100		870	ug/Kg	79				70	125	
3-Nitroaniline	1100		520	ug/Kg	47				20	111	
Acenaphthene	1100		880	ug/Kg	80				70	121	
Total PAH	17600	4756.4	18790	ug/Kg	107				70	121	
2,4-Dinitrophenol	2200		390	ug/Kg	18				16	160	
4-Nitrophenol	2200		1600	ug/Kg	73				45	133	
Dibenzofuran	1100		860	ug/Kg	78				72	110	
2,4-Dinitrotoluene	1100		860	ug/Kg	78				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM032524

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1730	ug/Kg	79				55	128	
Diethylphthalate	1100		850	ug/Kg	77				70	112	
4-Chlorophenyl-phenylether	1100		850	ug/Kg	77				71	108	
Fluorene	1100		850	ug/Kg	77				68	116	
4-Nitroaniline	1100		740	ug/Kg	67				55	120	
4,6-Dinitro-2-methylphenol	1100		230	ug/Kg	21	*			32	145	
N-Nitrosodiphenylamine	1100		920	ug/Kg	84				73	118	
Azobenzene	1100		820	ug/Kg	75				73	110	
4-Bromophenyl-phenylether	1100		940	ug/Kg	85				65	121	
Hexachlorobenzene	1100		1000	ug/Kg	91				67	118	
Atrazine	1100		940	ug/Kg	85				79	127	
Pentachlorophenol	2200		2100	ug/Kg	95				47	128	
Phenanthrene	1100	270	1100	ug/Kg	75				72	113	
Anthracene	1100	130	1000	ug/Kg	79				62	124	
Carbazole	1100		940	ug/Kg	85				59	119	
Di-n-butylphthalate	1100		890	ug/Kg	81				69	118	
Fluoranthene	1100	780	1600	ug/Kg	75				59	125	
Benzidine	2200		690	ug/Kg	31				10	119	
Pyrene	1100	730	1600	ug/Kg	79				52	128	
Butylbenzylphthalate	1100		950	ug/Kg	86				64	126	
3,3-Dichlorobenzidine	1100		790	ug/Kg	72				10	164	
Benzo(a)anthracene	1100	480	1400	ug/Kg	84				71	114	
Chrysene	1100	450	1300	ug/Kg	77				57	121	
bis(2-Ethylhexyl)phthalate	1100		890	ug/Kg	81				66	127	
Di-n-octyl phthalate	1100		960	ug/Kg	87				71	126	
Benzo(b)fluoranthene	1100	580	1400	ug/Kg	75				67	121	
Benzo(k)fluoranthene	1100	180	1100	ug/Kg	84				74	114	
Benzo(a)pyrene	1100	450	1300	ug/Kg	77				70	142	
Indeno(1,2,3-cd)pyrene	1100	230	1200	ug/Kg	88				61	125	
Dibenz(a,h)anthracene	1100	76.4	970	ug/Kg	81				67	130	
Benzo(g,h,i)perylene	1100	280	1200	ug/Kg	84				53	140	
1,2,4,5-Tetrachlorobenzene	1100		1000	ug/Kg	91				69	124	
1,4-Dioxane	1100		670	ug/Kg	61				46	112	
2,3,4,6-Tetrachlorophenol	1100		880	ug/Kg	80				56	133	
1-Methylnaphthalene	1100		790	ug/Kg	72				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM032524

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P1842-03MSD	Client Sample ID:	EO-01-03222024-BMSD					DataFile:	BM044759.D		
n-Nitrosodimethylamine	1100		1100	ug/Kg	100		12		66	124	20
Pyridine	1100		690	ug/Kg	63		8		45	119	20
Benzaldehyde	1100		260	ug/Kg	24	*	13		26	163	20
Aniline	1100		430	ug/Kg	39		14		10	88	20
Phenol	1100		990	ug/Kg	90		14		67	126	20
bis(2-Chloroethyl)ether	1100		940	ug/Kg	85		13		74	116	20
2-Chlorophenol	1100		1000	ug/Kg	91		9		61	138	20
1,2-Dichlorobenzene	1100		1000	ug/Kg	91		9		61	105	20
1,3-Dichlorobenzene	1100		1000	ug/Kg	91		9		62	101	20
1,4-Dichlorobenzene	1100		1000	ug/Kg	91		8		63	104	20
Benzyl Alcohol	1100		1000	ug/Kg	91		10		47	126	20
2-Methylphenol	1100		930	ug/Kg	85		15		66	122	20
2,2-oxybis(1-Chloropropane)	1100		1000	ug/Kg	91		8		52	115	20
Acetophenone	1100		1000	ug/Kg	91		7		75	111	20
3+4-Methylphenols	1100		930	ug/Kg	85		15		53	132	20
N-Nitroso-di-n-propylamine	1100		940	ug/Kg	85		14		59	119	20
Hexachloroethane	1100		990	ug/Kg	90		6		65	117	20
Nitrobenzene	1100		990	ug/Kg	90		12		70	119	20
Isophorone	1100		1000	ug/Kg	91		12		76	122	20
2-Nitrophenol	1100		1000	ug/Kg	91		6		54	145	20
2,4-Dimethylphenol	1100		810	ug/Kg	74	*	13		83	144	20
bis(2-Chloroethoxy)methane	1100		960	ug/Kg	87		12		68	112	20
2,4-Dichlorophenol	1100		1000	ug/Kg	91		9		72	118	20
1,2,4-Trichlorobenzene	1100		1100	ug/Kg	100		14		57	103	20
Benzoic acid	1100		800	ug/Kg	73		1		50	104	20
Naphthalene	1100		990	ug/Kg	90		11		72	110	20
4-Chloroaniline	1100		210	ug/Kg	19		17		10	100	20
Hexachlorobutadiene	1100		1100	ug/Kg	100		9		66	114	20
Caprolactam	1100		900	ug/Kg	82		14		51	134	20
4-Chloro-3-methylphenol	1100		920	ug/Kg	84		14		57	132	20
2-Methylnaphthalene	1100		910	ug/Kg	83		13		59	123	20
Hexachlorocyclopentadiene	2200		910	ug/Kg	41		9		10	175	20
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100		11		72	117	20
2,4,5-Trichlorophenol	1100		960	ug/Kg	87		11		72	117	20
1,1-Biphenyl	1100		1100	ug/Kg	100		14		75	113	20
2-Chloronaphthalene	1100		1100	ug/Kg	100		12		67	118	20
2-Nitroaniline	1100		1100	ug/Kg	100		19		69	127	20
Dimethylphthalate	1100		1000	ug/Kg	91		13		70	113	20
Acenaphthylene	1100	120	1100	ug/Kg	89		11		79	118	20
2,6-Dinitrotoluene	1100		970	ug/Kg	88		11		70	125	20
3-Nitroaniline	1100		620	ug/Kg	56		17		20	111	20
Acenaphthene	1100		970	ug/Kg	88		10		70	121	20
Total PAH	17600	4756.4	20890	ug/Kg	119		11		70	121	20
2,4-Dinitrophenol	2200		390	ug/Kg	18		0		16	160	20
4-Nitrophenol	2200		1700	ug/Kg	77		5		45	133	20
Dibenzofuran	1100		940	ug/Kg	85		9		72	110	20
2,4-Dinitrotoluene	1100		930	ug/Kg	85		9		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM032524

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		RPD
									Low	High	
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1900	ug/Kg	86		8		55	128	20
Diethylphthalate	1100		950	ug/Kg	86		11		70	112	20
4-Chlorophenyl-phenylether	1100		930	ug/Kg	85		10		71	108	20
Fluorene	1100		930	ug/Kg	85		10		68	116	20
4-Nitroaniline	1100		840	ug/Kg	76		13		55	120	20
4,6-Dinitro-2-methylphenol	1100		230	ug/Kg	21	*	0		32	145	20
N-Nitrosodiphenylamine	1100		1000	ug/Kg	91		8		73	118	20
Azobenzene	1100		890	ug/Kg	81		8		73	110	20
4-Bromophenyl-phenylether	1100		1100	ug/Kg	100		16		65	121	20
Hexachlorobenzene	1100		1100	ug/Kg	100		9		67	118	20
Atrazine	1100		1100	ug/Kg	100		16		79	127	20
Pentachlorophenol	2200		2200	ug/Kg	100		5		47	128	20
Phenanthrene	1100	270	1300	ug/Kg	94		22	*	72	113	20
Anthracene	1100	130	1100	ug/Kg	88		11		62	124	20
Carbazole	1100		1000	ug/Kg	91		7		59	119	20
Di-n-butylphthalate	1100		990	ug/Kg	90		11		69	118	20
Fluoranthene	1100	780	1700	ug/Kg	84		11		59	125	20
Benzidine	2200		890	ug/Kg	40		25	*	10	119	20
Pyrene	1100	730	1800	ug/Kg	97		20		52	128	20
Butylbenzylphthalate	1100		1100	ug/Kg	100		15		64	126	20
3,3-Dichlorobenzidine	1100		920	ug/Kg	84		15		10	164	20
Benzo(a)anthracene	1100	480	1500	ug/Kg	93		10		71	114	20
Chrysene	1100	450	1500	ug/Kg	95		21	*	57	121	20
bis(2-Ethylhexyl)phthalate	1100		1000	ug/Kg	91		12		66	127	20
Di-n-octyl phthalate	1100		1100	ug/Kg	100		14		71	126	20
Benzo(b)fluoranthene	1100	580	1600	ug/Kg	93		21	*	67	121	20
Benzo(k)fluoranthene	1100	180	1200	ug/Kg	93		10		74	114	20
Benzo(a)pyrene	1100	450	1500	ug/Kg	95		21	*	70	142	20
Indeno(1,2,3-cd)pyrene	1100	230	1300	ug/Kg	97		10		61	125	20
Dibenz(a,h)anthracene	1100	76.4	1100	ug/Kg	93		14		67	130	20
Benzo(g,h,i)perylene	1100	280	1300	ug/Kg	93		10		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		1200	ug/Kg	109		18		69	124	20
1,4-Dioxane	1100		700	ug/Kg	64		5		46	112	20
2,3,4,6-Tetrachlorophenol	1100		910	ug/Kg	83		4		56	133	20
1-Methylnaphthalene	1100		890	ug/Kg	81		12		70	130	20



Surrogate Summary
SW-846

SDG No.: BM032524

Client:

Analytical Method: 625.1

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1788-01RE	PEZOMETER-200fBM044754.D		2-Fluorophenol	100	35.43	35	*	60	140
			Phenol-d6	100	20.92	21	*	60	140
			Nitrobenzene-d5	100	82.39	82		60	140
			2-Fluorobiphenyl	100	84.53	85		60	140
			2,4,6-Tribromophenol	100	80.45	80		60	140
			Terphenyl-d14	100	73.96	74		60	140
P1788-02RE	PEZOMETER-206fBM044755.D		2-Fluorophenol	100	28.35	28	*	60	140
			Phenol-d6	100	17.00	17	*	60	140
			Nitrobenzene-d5	100	70.79	71		60	140
			2-Fluorobiphenyl	100	69.93	70		60	140
			2,4,6-Tribromophenol	100	87.82	88		60	140
			Terphenyl-d14	100	82.09	82		60	140

Surrogate Summary

SW-846

SDG No.: BM032524

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1842-01	EO-01-03222024-ABM044760.D		2-Fluorophenol	150	77.02	51		18	112
			Phenol-d6	150	73.03	49		15	107
			Nitrobenzene-d5	100	49.12	49		18	107
			2-Fluorobiphenyl	100	50.38	50		20	109
			2,4,6-Tribromophenol	150	86.86	58		10	110
			Terphenyl-d14	100	52.19	52		14	112
P1842-03	EO-01-03222024-B BM044757.D		2-Fluorophenol	150	90.24	60		18	112
			Phenol-d6	150	84.72	56		15	107
			Nitrobenzene-d5	100	61.73	62		18	107
			2-Fluorobiphenyl	100	59.72	60		20	109
			2,4,6-Tribromophenol	150	109.48	73		10	110
			Terphenyl-d14	100	58.50	59		14	112
P1842-03MS	EO-01-03222024-B BM044758.D		2-Fluorophenol	150	89.01	59		18	112
			Phenol-d6	150	82.56	55		15	107
			Nitrobenzene-d5	100	60.94	61		18	107
			2-Fluorobiphenyl	100	64.00	64		20	109
			2,4,6-Tribromophenol	150	90.34	60		10	110
			Terphenyl-d14	100	55.83	56		14	112
P1842-03MSD	EO-01-03222024-B BM044759.D		2-Fluorophenol	150	100.75	67		18	112
			Phenol-d6	150	94.89	63		15	107
			Nitrobenzene-d5	100	67.87	68		18	107
			2-Fluorobiphenyl	100	71.44	71		20	109
			2,4,6-Tribromophenol	150	96.14	64		10	110
			Terphenyl-d14	100	64.45	64		14	112
P1845-01	BELL-CON	BM044756.D	2-Fluorophenol	150	81.52	54		18	112
			Phenol-d6	150	79.64	53		15	107
			Nitrobenzene-d5	100	54.58	55		18	107
			2-Fluorobiphenyl	100	55.11	55		20	109
			2,4,6-Tribromophenol	150	89.21	59		10	110
			Terphenyl-d14	100	59.69	60		14	112
P1847-01	SU-02-032224	BM044761.D	2-Fluorophenol	150	67.22	45		18	112
			2-Fluorophenol	150	64.37	43		18	112
		BM044762.D	Phenol-d6	150	59.46	40		15	107
			Phenol-d6	150	60.38	40		15	107
		BM044761.D	Nitrobenzene-d5	100	44.07	44		18	107
			Nitrobenzene-d5	100	42.48	42		18	107
		BM044761.D	2-Fluorobiphenyl	100	50.07	50		20	109
			2-Fluorobiphenyl	100	44.88	45		20	109
		BM044761.D	2,4,6-Tribromophenol	150	72.06	48		10	110
			2,4,6-Tribromophenol	150	66.96	45		10	110
		BM044762.D	Terphenyl-d14	100	48.37	48		14	112
			Terphenyl-d14	100	49.83	50		14	112
PB159758BL	PB159758BL	BM044752.D	2-Fluorophenol	150	125.11	83		18	112
			Phenol-d6	150	119.43	80		15	107
			Nitrobenzene-d5	100	80.57	81		18	107
			2-Fluorobiphenyl	100	80.66	81		20	109
			2,4,6-Tribromophenol	150	142.83	95		10	110
			Terphenyl-d14	100	76.95	77		14	112
PB159758BS	PB159758BS	BM044753.D	2-Fluorophenol	150	137.71	92		18	112
			Phenol-d6	150	129.37	86		15	107
			Nitrobenzene-d5	100	88.14	88		18	107



Surrogate Summary
SW-846

SDG No.: BM032524

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB159758BS	PB159758BS	BM044753.D	2-Fluorobiphenyl	100	91.02	91		20	109
			2,4,6-Tribromophenol	150	134.43	90		10	110
			Terphenyl-d14	100	101.13	101		14	112

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM032524

Lab Code: CHEM

SAS No.: BM032524 SDG NO.: BM032524

Lab File ID: BM044750.D

DFTPP Injection Date: 03/25/2024

Instrument ID: BNA_M

DFTPP Injection Time: 09:40

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	44.5
68	Less than 2.0% of mass 69	0.5 (1.3) 1
69	Mass 69 relative abundance	41
70	Less than 2.0% of mass 69	0.0 (0.1) 1
127	10.0 - 80.0% of mass 198	50.1
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	25.2
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	13
442	Greater than 50% of mass 198	82.9
443	15.0 - 24.0% of mass 442	16.3 (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	BM044751.D	03/25/2024	10:16
PB159758BL	PB159758BL	BM044752.D	03/25/2024	12:51
PB159758BS	PB159758BS	BM044753.D	03/25/2024	13:27
PEZOMETER-200RE	P1788-01RE	BM044754.D	03/25/2024	14:10
PEZOMETER-206RE	P1788-02RE	BM044755.D	03/25/2024	14:46
BELL-CON	P1845-01	BM044756.D	03/25/2024	15:22
EO-01-03222024-B	P1842-03	BM044757.D	03/25/2024	15:58
EO-01-03222024-BMS	P1842-03MS	BM044758.D	03/25/2024	16:35
EO-01-03222024-BMSD	P1842-03MSD	BM044759.D	03/25/2024	17:11
EO-01-03222024-A	P1842-01	BM044760.D	03/25/2024	17:47
SU-02-032224	P1847-01	BM044761.D	03/25/2024	18:24
SU-02-032224	P1847-01	BM044762.D	03/25/2024	19:00