

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BM032724 SAS No.: BM032724 SDG No.: BM032724
 Instrument ID: BNA_M Calibration Date/Time: 3/27/2024 1:13:52
 Lab File ID: BM044777.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	0.736		13.405	
Pyridine	1.619	1.440		-11.056	
2-Fluorophenol	1.393	1.324		-4.953	
Benzaldehyde	0.939	0.844		-10.117	
Aniline	2.122	1.893		-10.792	
Phenol-d6	1.792	1.618		-9.71	
Phenol	1.790	1.600		-10.615	20.0
bis(2-Chloroethyl)ether	1.461	1.289		-11.773	
2-Chlorophenol	1.387	1.316		-5.119	
1,2-Dichlorobenzene	1.434	1.343		-6.346	
1,3-Dichlorobenzene	1.492	1.401		-6.099	
1,4-Dichlorobenzene	1.504	1.434		-4.654	20.0
Benzyl Alcohol	1.178	1.105		-6.197	
2-Methylphenol	1.221	1.123		-8.026	
2,2-oxybis(1-Chloropropane)	2.026	1.857		-8.342	
Acetophenone	0.525	0.500		-4.762	
3+4-Methylphenols	1.647	1.504		-8.682	
n-Nitroso-di-n-propylamine	1.094	0.941	0.050	-13.985	
Nitrobenzene-d5	0.415	0.415		0.0	
Hexachloroethane	0.556	0.558		0.36	
Nitrobenzene	0.410	0.403		-1.707	
Isophorone	0.716	0.666		-6.983	
2-Nitrophenol	0.177	0.188		6.215	20.0
2,4-Dimethylphenol	0.311	0.297		-4.502	
bis(2-Chloroethoxy)methane	0.476	0.426		-10.504	
2,4-Dichlorophenol	0.297	0.298		0.337	20.0
1,2,4-Trichlorobenzene	0.316	0.315		-0.316	
Benzoic acid	0.231	0.202		-12.554	
Naphthalene	1.098	1.039		-5.373	
4-Chloroaniline	0.460	0.435		-5.435	
Hexachlorobutadiene	0.176	0.189		7.386	20.0
Caprolactam	0.096	0.086		-10.417	
4-Chloro-3-methylphenol	0.326	0.296		-9.202	20.0
2-Methylnaphthalene	0.745	0.673		-9.664	
Hexachlorocyclopentadiene	0.323	0.381	0.050	17.957	
2,4,6-Trichlorophenol	0.383	0.408		6.527	20.0
2-Fluorobiphenyl	1.452	1.477		1.722	
2,4,5-Trichlorophenol	0.454	0.467		2.863	
1,1-Biphenyl	1.564	1.542		-1.407	
2-Chloronaphthalene	1.157	1.164		0.605	
2-Nitroaniline	0.392	0.402		2.551	

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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	1.374		-8.155	
Acenaphthylene	1.884	1.851		-1.752	
2,6-Dinitrotoluene	0.312	0.302		-3.205	
3-Nitroaniline	0.365	0.351		-3.836	
Acenaphthene	1.139	1.087		-4.565	20.0
2,4-Dinitrophenol	0.180	0.169	0.050	-6.111	
4-Nitrophenol	0.300	0.256	0.050	-14.667	
Dibenzofuran	1.808	1.689		-6.582	
2,4-Dinitrotoluene	0.407	0.395		-2.948	
Diethylphthalate	1.514	1.347		-11.03	
4-Chlorophenyl-phenylether	0.676	0.630		-6.805	
Fluorene	1.408	1.306		-7.244	
4-Nitroaniline	0.364	0.343		-5.769	
4,6-Dinitro-2-methylphenol	0.125	0.118		-5.6	
n-Nitrosodiphenylamine	0.623	0.624		0.161	20.0
Azobenzene	1.565	1.394		-10.927	
2,4,6-Tribromophenol	0.221	0.216		-2.262	
4-Bromophenyl-phenylether	0.207	0.211		1.932	
Hexachlorobenzene	0.220	0.226		2.727	
Atrazine	0.195	0.187		-4.103	
Pentachlorophenol	0.158	0.156		-1.266	20.0
Phenanthrene	1.105	1.051		-4.887	
Anthracene	1.109	1.084		-2.254	
Carbazole	1.044	0.998		-4.406	
Di-n-butylphthalate	1.345	1.212		-9.888	
Fluoranthene	1.236	1.154		-6.634	20.0
Benzidine	0.517	0.500		-3.288	
Pyrene	1.466	1.457		-0.614	
Terphenyl-d14	1.143	1.119		-2.1	
Butylbenzylphthalate	0.661	0.648		-1.967	
3,3-Dichlorobenzidine	0.479	0.505		5.428	
Benzo(a)anthracene	1.392	1.361		-2.227	
Chrysene	1.330	1.298		-2.406	
Bis(2-ethylhexyl)phthalate	0.995	0.893		-10.251	
Di-n-octyl phthalate	1.726	1.579		-8.517	20.0
Benzo(b)fluoranthene	1.175	1.100		-6.383	
Benzo(k)fluoranthene	1.208	1.081		-10.513	
Benzo(a)pyrene	1.146	1.097		-4.276	20.0
Indeno(1,2,3-cd)pyrene	1.446	1.425		-1.452	
Dibenzo(a,h)anthracene	1.219	1.192		-2.215	
Benzo(g,h,i)perylene	1.200	1.194		-0.5	



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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
1,2,4,5-Tetrachlorobenzene	0.568	0.603		6.162	
1,4-Dioxane	0.586	0.529		-9.727	20.0
2,3,4,6-Tetrachlorophenol	0.353	0.334		-5.382	
1-Methylnaphthalene	0.694	0.623		-10.231	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	3/27/2024 12:00:00 AM
Project:		Date Received:	3/27/2024 12:00:00 AM
Client Sample ID:	PB159793BL	SDG No.:	BM032724
Lab Sample ID:	PB159793BL	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
BM044778.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

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:	3/27/2024 12:00:00 AM
Project:		Date Received:	3/27/2024 12:00:00 AM
Client Sample ID:	PB159793BL	SDG No.:	BM032724
Lab Sample ID:	PB159793BL	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
BM044778.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

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:	3/27/2024 12:00:00 AM
Project:		Date Received:	3/27/2024 12:00:00 AM
Client Sample ID:	PB159793BL	SDG No.:	BM032724
Lab Sample ID:	PB159793BL	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
BM044778.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	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	121.592		18-112		81	SPK: -150
13127-88-3	Phenol-d6	115.443		15-107		77	SPK: -150
4165-60-0	Nitrobenzene-d5	81.836		18-107		82	SPK: -100
321-60-8	2-Fluorobiphenyl	83.214		20-109		83	SPK: -100
118-79-6	2,4,6-Tribromophenol	127.819		10-110		85	SPK: -150
1718-51-0	Terphenyl-d14	91.937		14-112		92	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	210359	7.687				
1146-65-2	Naphthalene-d8	798997	10.469				
15067-26-2	Acenaphthene-d10	422531	14.333				
1517-22-2	Phenanthrene-d10	792999	17.092				
1719-03-5	Chrysene-d12	547584	21.292				
1520-96-3	Perylene-d12	644995	23.539				



Report of Analysis

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Project:		Date Received:	3/27/2024 12:00:00 AM
Client Sample ID:	PB159793BL	SDG No.:	BM032724
Lab Sample ID:	PB159793BL	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
BM044778.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	130	A			4.863	
031158-91-5	Hexadecanoic acid, 1,1-dimethyleth	71	J			19.439	

Report of Analysis

Client:		Date Collected:	3/27/2024 12:00:00 AM
Project:		Date Received:	3/27/2024 12:00:00 AM
Client Sample ID:	PB159793BS	SDG No.:	BM032724
Lab Sample ID:	PB159793BS	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
BM044779.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1800		86.7	270	330	ug/Kg
110-86-1	Pyridine	1000		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	280	J	180	270	330	ug/Kg
62-53-3	Aniline	600		96.8	130	170	ug/Kg
108-95-2	Phenol	1500		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		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	1500		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1400		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		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	1700		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	480		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1700		83.2	130	170	ug/Kg
105-60-2	Caprolactam	1400		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		82.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/27/2024 12:00:00 AM
Project:		Date Received:	3/27/2024 12:00:00 AM
Client Sample ID:	PB159793BS	SDG No.:	BM032724
Lab Sample ID:	PB159793BS	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
BM044779.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

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	1700		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	2900	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)	3100		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1400		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.5	130	170	ug/Kg
86-73-7	Fluorene	1500		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1400		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	1800		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	1500		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1400		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1400		81.6	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/27/2024 12:00:00 AM
Project:		Date Received:	3/27/2024 12:00:00 AM
Client Sample ID:	PB159793BS	SDG No.:	BM032724
Lab Sample ID:	PB159793BS	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
BM044779.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1300		160	270	330	ug/Kg
129-00-0	Pyrene	1700		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1600		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	1400		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	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	1800		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1300		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	136.356		18-112		91	SPK: -150
13127-88-3	Phenol-d6	124.729		15-107		83	SPK: -150
4165-60-0	Nitrobenzene-d5	88.981		18-107		89	SPK: -100
321-60-8	2-Fluorobiphenyl	94.535		20-109		95	SPK: -100
118-79-6	2,4,6-Tribromophenol	138.454		10-110		92	SPK: -150
1718-51-0	Terphenyl-d14	94.804		14-112		95	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	179530	7.687				
1146-65-2	Naphthalene-d8	675482	10.469				
15067-26-2	Acenaphthene-d10	319866	14.333				
1517-22-2	Phenanthrene-d10	549161	17.092				
1719-03-5	Chrysene-d12	399560	21.291				
1520-96-3	Perylene-d12	489904	23.538				



Report of Analysis

Client:		Date Collected:	3/27/2024 12:00:00 AM
Project:		Date Received:	3/27/2024 12:00:00 AM
Client Sample ID:	PB159793BS	SDG No.:	BM032724
Lab Sample ID:	PB159793BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02	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
BM044779.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

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

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-3	SDG No.:	BM032724
Lab Sample ID:	P1869-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.6
Sample Wt/Vol:	50.06	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
BM044780.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	59.5	U	59.5	190	230	ug/Kg
110-86-1	Pyridine	54.8	U	54.8	89.1	120	ug/Kg
100-52-7	Benzaldehyde	120	U	120	190	230	ug/Kg
62-53-3	Aniline	66.4	U	66.4	89.1	120	ug/Kg
108-95-2	Phenol	56.8	U	56.8	89.1	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	57.4	U	57.4	89.1	120	ug/Kg
95-57-8	2-Chlorophenol	57.3	U	57.3	89.1	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	58	U	58	89.1	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	59	U	59	89.1	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	59.3	U	59.3	89.1	120	ug/Kg
100-51-6	Benzyl Alcohol	56.9	U	56.9	190	230	ug/Kg
95-48-7	2-Methylphenol	55.3	U	55.3	89.1	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	62.3	U	62.3	89.1	120	ug/Kg
98-86-2	Acetophenone	59.6	U	59.6	89.1	120	ug/Kg
65794-96-9	3+4-Methylphenols	54.7	U	54.7	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27.6	U	27.6	54.9	54.9	ug/Kg
67-72-1	Hexachloroethane	56.9	U	56.9	89.1	120	ug/Kg
98-95-3	Nitrobenzene	62.3	U	62.3	89.1	120	ug/Kg
78-59-1	Isophorone	58	U	58	89.1	120	ug/Kg
88-75-5	2-Nitrophenol	64.8	U	64.8	89.1	120	ug/Kg
105-67-9	2,4-Dimethylphenol	63.9	U	63.9	89.1	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.8	U	58.8	89.1	120	ug/Kg
120-83-2	2,4-Dichlorophenol	51.8	U	51.8	89.1	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	58.6	U	58.6	89.1	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	190	230	ug/Kg
91-20-3	Naphthalene	56.6	U	56.6	89.1	120	ug/Kg
106-47-8	4-Chloroaniline	56.6	U	56.6	89.1	120	ug/Kg
87-68-3	Hexachlorobutadiene	57.1	U	57.1	89.1	120	ug/Kg
105-60-2	Caprolactam	59.5	U	59.5	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	53.1	U	53.1	89.1	120	ug/Kg
91-57-6	2-Methylnaphthalene	56.6	U	56.6	89.1	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-3	SDG No.:	BM032724
Lab Sample ID:	P1869-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.6
Sample Wt/Vol:	50.06	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
BM044780.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	110	U	110	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	49	U	49	89.1	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	50.7	U	50.7	89.1	120	ug/Kg
92-52-4	1,1-Biphenyl	59.9	U	59.9	89.1	120	ug/Kg
91-58-7	2-Chloronaphthalene	57.1	U	57.1	89.1	120	ug/Kg
88-74-4	2-Nitroaniline	65.1	U	65.1	89.1	120	ug/Kg
131-11-3	Dimethylphthalate	56	U	56	89.1	120	ug/Kg
208-96-8	Acenaphthylene	59.3	U	59.3	89.1	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	57	U	57	89.1	120	ug/Kg
99-09-2	3-Nitroaniline	61.2	U	61.2	89.1	120	ug/Kg
83-32-9	Acenaphthene	55.6	U	55.6	89.1	120	ug/Kg
Total PAH	Total PAH	908.5	U	908.5	89.1	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	190	230	ug/Kg
100-02-7	4-Nitrophenol	79.5	U	79.5	190	230	ug/Kg
132-64-9	Dibenzofuran	57.9	U	57.9	89.1	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	16.1	U	116.1	89.1	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.1	U	59.1	89.1	120	ug/Kg
84-66-2	Diethylphthalate	54.9	U	54.9	89.1	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	58.7	U	58.7	89.1	120	ug/Kg
86-73-7	Fluorene	58.6	U	58.6	89.1	120	ug/Kg
100-01-6	4-Nitroaniline	73.4	U	73.4	89.1	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	80.2	U	80.2	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	56	U	56	89.1	120	ug/Kg
103-33-3	Azobenzene	54.6	U	54.6	89.1	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	54.1	U	54.1	89.1	120	ug/Kg
118-74-1	Hexachlorobenzene	58.3	U	58.3	89.1	120	ug/Kg
1912-24-9	Atrazine	62.7	U	62.7	89.1	120	ug/Kg
87-86-5	Pentachlorophenol	53	U	53	190	230	ug/Kg
85-01-8	Phenanthrene	57.6	U	57.6	89.1	120	ug/Kg
120-12-7	Anthracene	57.9	U	57.9	89.1	120	ug/Kg
86-74-8	Carbazole	55.1	U	55.1	89.1	120	ug/Kg
84-74-2	Di-n-butylphthalate	57.8	U	57.8	89.1	120	ug/Kg
206-44-0	Fluoranthene	56	U	56	89.1	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-3	SDG No.:	BM032724
Lab Sample ID:	P1869-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.6
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044780.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	110	U	110	190	230	ug/Kg
129-00-0	Pyrene	56.9	U	56.9	89.1	120	ug/Kg
85-68-7	Butylbenzylphthalate	66.4	U	66.4	89.1	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	67.6	U	67.6	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	55.3	U	55.3	89.1	120	ug/Kg
218-01-9	Chrysene	54.5	U	54.5	89.1	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	62.4	U	62.4	89.1	120	ug/Kg
117-84-0	Di-n-octyl phthalate	75.4	U	75.4	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	55.6	U	55.6	89.1	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	56.6	U	56.6	89.1	120	ug/Kg
50-32-8	Benzo(a)pyrene	63.8	U	63.8	89.1	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	53.6	U	53.6	89.1	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	55.7	U	55.7	89.1	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	54.9	U	54.9	89.1	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59.5	U	59.5	89.1	120	ug/Kg
123-91-1	1,4-Dioxane	75.4	U	75.4	89.1	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	51.2	U	51.2	89.1	120	ug/Kg
90-12-0	1-Methylnaphthalene	57	U	57	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	70.801		18-112		47	SPK: -150
13127-88-3	Phenol-d6	66.406		15-107		44	SPK: -150
4165-60-0	Nitrobenzene-d5	49.864		18-107		50	SPK: -100
321-60-8	2-Fluorobiphenyl	46.595		20-109		47	SPK: -100
118-79-6	2,4,6-Tribromophenol	74.781		10-110		50	SPK: -150
1718-51-0	Terphenyl-d14	40.112		14-112		40	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	150561	7.686				
1146-65-2	Naphthalene-d8	540380	10.463				
15067-26-2	Acenaphthene-d10	275504	14.333				
1517-22-2	Phenanthrene-d10	506501	17.092				
1719-03-5	Chrysene-d12	486983	21.291				
1520-96-3	Perylene-d12	588865	23.538				



Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-3	SDG No.:	BM032724
Lab Sample ID:	P1869-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.6
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044780.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-55-6	Propylene Glycol	74.1	J			3.516	
000057-10-3	n-Hexadecanoic acid	180	J			17.998	
000057-11-4	Octadecanoic acid	72	J			19.286	
000295-48-7	Cyclopentadecane	92.3	J			21.015	

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-2	SDG No.:	BM032724
Lab Sample ID:	P1869-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044781.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	60.4	U	60.4	190	230	ug/Kg
110-86-1	Pyridine	55.6	U	55.6	90.5	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	190	230	ug/Kg
62-53-3	Aniline	67.5	U	67.5	90.5	120	ug/Kg
108-95-2	Phenol	57.7	U	57.7	90.5	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	58.3	U	58.3	90.5	120	ug/Kg
95-57-8	2-Chlorophenol	58.2	U	58.2	90.5	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	58.9	U	58.9	90.5	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	59.9	U	59.9	90.5	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	60.2	U	60.2	90.5	120	ug/Kg
100-51-6	Benzyl Alcohol	57.8	U	57.8	190	230	ug/Kg
95-48-7	2-Methylphenol	56.1	U	56.1	90.5	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	63.3	U	63.3	90.5	120	ug/Kg
98-86-2	Acetophenone	60.5	U	60.5	90.5	120	ug/Kg
65794-96-9	3+4-Methylphenols	55.6	U	55.6	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	28.1	U	28.1	55.7	55.7	ug/Kg
67-72-1	Hexachloroethane	57.8	U	57.8	90.5	120	ug/Kg
98-95-3	Nitrobenzene	63.2	U	63.2	90.5	120	ug/Kg
78-59-1	Isophorone	58.9	U	58.9	90.5	120	ug/Kg
88-75-5	2-Nitrophenol	65.8	U	65.8	90.5	120	ug/Kg
105-67-9	2,4-Dimethylphenol	64.9	U	64.9	90.5	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	59.8	U	59.8	90.5	120	ug/Kg
120-83-2	2,4-Dichlorophenol	52.6	U	52.6	90.5	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	59.5	U	59.5	90.5	120	ug/Kg
65-85-0	Benzoic acid	170	U	170	190	230	ug/Kg
91-20-3	Naphthalene	57.5	U	57.5	90.5	120	ug/Kg
106-47-8	4-Chloroaniline	57.5	U	57.5	90.5	120	ug/Kg
87-68-3	Hexachlorobutadiene	58	U	58	90.5	120	ug/Kg
105-60-2	Caprolactam	60.4	U	60.4	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	54	U	54	90.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	57.5	U	57.5	90.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-2	SDG No.:	BM032724
Lab Sample ID:	P1869-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044781.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	110	U	110	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	49.7	U	49.7	90.5	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	51.5	U	51.5	90.5	120	ug/Kg
92-52-4	1,1-Biphenyl	60.9	U	60.9	90.5	120	ug/Kg
91-58-7	2-Chloronaphthalene	58	U	58	90.5	120	ug/Kg
88-74-4	2-Nitroaniline	66.2	U	66.2	90.5	120	ug/Kg
131-11-3	Dimethylphthalate	56.9	U	56.9	90.5	120	ug/Kg
208-96-8	Acenaphthylene	60.2	U	60.2	90.5	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	57.9	U	57.9	90.5	120	ug/Kg
99-09-2	3-Nitroaniline	62.1	U	62.1	90.5	120	ug/Kg
83-32-9	Acenaphthene	56.5	U	56.5	90.5	120	ug/Kg
Total PAH	Total PAH	922.8	U	922.8	90.5	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	190	230	ug/Kg
100-02-7	4-Nitrophenol	80.8	U	80.8	190	230	ug/Kg
132-64-9	Dibenzofuran	58.8	U	58.8	90.5	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	60	U	60	90.5	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	17.9	U	117.9	90.5	240	ug/Kg
84-66-2	Diethylphthalate	55.8	U	55.8	90.5	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	59.6	U	59.6	90.5	120	ug/Kg
86-73-7	Fluorene	59.5	U	59.5	90.5	120	ug/Kg
100-01-6	4-Nitroaniline	74.5	U	74.5	90.5	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	81.5	U	81.5	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	56.8	U	56.8	90.5	120	ug/Kg
103-33-3	Azobenzene	55.4	U	55.4	90.5	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	54.9	U	54.9	90.5	120	ug/Kg
118-74-1	Hexachlorobenzene	59.2	U	59.2	90.5	120	ug/Kg
1912-24-9	Atrazine	63.7	U	63.7	90.5	120	ug/Kg
87-86-5	Pentachlorophenol	53.8	U	53.8	190	230	ug/Kg
85-01-8	Phenanthrene	58.5	U	58.5	90.5	120	ug/Kg
120-12-7	Anthracene	58.8	U	58.8	90.5	120	ug/Kg
86-74-8	Carbazole	55.9	U	55.9	90.5	120	ug/Kg
84-74-2	Di-n-butylphthalate	58.7	U	58.7	90.5	120	ug/Kg
206-44-0	Fluoranthene	56.9	U	56.9	90.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-2	SDG No.:	BM032724
Lab Sample ID:	P1869-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044781.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	110	U	110	190	230	ug/Kg
129-00-0	Pyrene	57.8	U	57.8	90.5	120	ug/Kg
85-68-7	Butylbenzylphthalate	67.4	U	67.4	90.5	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	68.7	U	68.7	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	56.2	U	56.2	90.5	120	ug/Kg
218-01-9	Chrysene	55.4	U	55.4	90.5	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	63.4	U	63.4	90.5	120	ug/Kg
117-84-0	Di-n-octyl phthalate	76.6	U	76.6	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	56.5	U	56.5	90.5	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	57.5	U	57.5	90.5	120	ug/Kg
50-32-8	Benzo(a)pyrene	64.8	U	64.8	90.5	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	54.4	U	54.4	90.5	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	56.5	U	56.5	90.5	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	55.8	U	55.8	90.5	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	60.4	U	60.4	90.5	120	ug/Kg
123-91-1	1,4-Dioxane	76.6	U	76.6	90.5	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52	U	52	90.5	120	ug/Kg
90-12-0	1-Methylnaphthalene	57.9	U	57.9	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	79.805		18-112		53	SPK: -150
13127-88-3	Phenol-d6	73.18		15-107		49	SPK: -150
4165-60-0	Nitrobenzene-d5	54.959		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	47.702		20-109		48	SPK: -100
118-79-6	2,4,6-Tribromophenol	82.191		10-110		55	SPK: -150
1718-51-0	Terphenyl-d14	42.44		14-112		42	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	152198	7.686				
1146-65-2	Naphthalene-d8	550101	10.463				
15067-26-2	Acenaphthene-d10	278875	14.333				
1517-22-2	Phenanthrene-d10	510226	17.092				
1719-03-5	Chrysene-d12	481732	21.291				
1520-96-3	Perylene-d12	602519	23.538				



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

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-2	SDG No.:	BM032724
Lab Sample ID:	P1869-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044781.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	200	J			17.998	
000112-79-8	9-Octadecenoic acid, (E)-	50.8	J			19.162	
000057-11-4	Octadecanoic acid	76.8	J			19.286	
1000131-11-8	Z-5-Nonadecene	87.7	J			21.015	

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-5	SDG No.:	BM032724
Lab Sample ID:	P1869-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.7
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
BM044782.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	60.3	U	60.3	190	230	ug/Kg
110-86-1	Pyridine	55.5	U	55.5	90.3	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	190	230	ug/Kg
62-53-3	Aniline	67.3	U	67.3	90.3	120	ug/Kg
108-95-2	Phenol	57.6	U	57.6	90.3	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	58.1	U	58.1	90.3	120	ug/Kg
95-57-8	2-Chlorophenol	58	U	58	90.3	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	58.8	U	58.8	90.3	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	59.7	U	59.7	90.3	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	60.1	U	60.1	90.3	120	ug/Kg
100-51-6	Benzyl Alcohol	57.7	U	57.7	190	230	ug/Kg
95-48-7	2-Methylphenol	56	U	56	90.3	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	63.1	U	63.1	90.3	120	ug/Kg
98-86-2	Acetophenone	60.4	U	60.4	90.3	120	ug/Kg
65794-96-9	3+4-Methylphenols	55.4	U	55.4	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	28	U	28	55.6	55.6	ug/Kg
67-72-1	Hexachloroethane	57.7	U	57.7	90.3	120	ug/Kg
98-95-3	Nitrobenzene	63.1	U	63.1	90.3	120	ug/Kg
78-59-1	Isophorone	58.8	U	58.8	90.3	120	ug/Kg
88-75-5	2-Nitrophenol	65.6	U	65.6	90.3	120	ug/Kg
105-67-9	2,4-Dimethylphenol	64.7	U	64.7	90.3	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	59.6	U	59.6	90.3	120	ug/Kg
120-83-2	2,4-Dichlorophenol	52.4	U	52.4	90.3	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	59.3	U	59.3	90.3	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	190	230	ug/Kg
91-20-3	Naphthalene	57.4	U	57.4	90.3	120	ug/Kg
106-47-8	4-Chloroaniline	57.4	U	57.4	90.3	120	ug/Kg
87-68-3	Hexachlorobutadiene	57.9	U	57.9	90.3	120	ug/Kg
105-60-2	Caprolactam	60.3	U	60.3	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	53.8	U	53.8	90.3	120	ug/Kg
91-57-6	2-Methylnaphthalene	57.3	U	57.3	90.3	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-5	SDG No.:	BM032724
Lab Sample ID:	P1869-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.7
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
BM044782.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	110	U	110	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	49.6	U	49.6	90.3	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	51.4	U	51.4	90.3	120	ug/Kg
92-52-4	1,1-Biphenyl	60.7	U	60.7	90.3	120	ug/Kg
91-58-7	2-Chloronaphthalene	57.9	U	57.9	90.3	120	ug/Kg
88-74-4	2-Nitroaniline	66	U	66	90.3	120	ug/Kg
131-11-3	Dimethylphthalate	56.8	U	56.8	90.3	120	ug/Kg
208-96-8	Acenaphthylene	60.1	U	60.1	90.3	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	57.8	U	57.8	90.3	120	ug/Kg
99-09-2	3-Nitroaniline	62	U	62	90.3	120	ug/Kg
83-32-9	Acenaphthene	56.3	U	56.3	90.3	120	ug/Kg
Total PAH	Total PAH	920.6	U	920.6	90.3	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	190	230	ug/Kg
100-02-7	4-Nitrophenol	80.6	U	80.6	190	230	ug/Kg
132-64-9	Dibenzofuran	58.6	U	58.6	90.3	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	117.7	U	117.7	90.3	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.9	U	59.9	90.3	120	ug/Kg
84-66-2	Diethylphthalate	55.6	U	55.6	90.3	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	59.5	U	59.5	90.3	120	ug/Kg
86-73-7	Fluorene	59.4	U	59.4	90.3	120	ug/Kg
100-01-6	4-Nitroaniline	74.3	U	74.3	90.3	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	81.3	U	81.3	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	56.7	U	56.7	90.3	120	ug/Kg
103-33-3	Azobenzene	55.3	U	55.3	90.3	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	54.8	U	54.8	90.3	120	ug/Kg
118-74-1	Hexachlorobenzene	59	U	59	90.3	120	ug/Kg
1912-24-9	Atrazine	63.5	U	63.5	90.3	120	ug/Kg
87-86-5	Pentachlorophenol	53.7	U	53.7	190	230	ug/Kg
85-01-8	Phenanthrene	58.4	U	58.4	90.3	120	ug/Kg
120-12-7	Anthracene	58.6	U	58.6	90.3	120	ug/Kg
86-74-8	Carbazole	55.8	U	55.8	90.3	120	ug/Kg
84-74-2	Di-n-butylphthalate	58.6	U	58.6	90.3	120	ug/Kg
206-44-0	Fluoranthene	56.8	U	56.8	90.3	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-5	SDG No.:	BM032724
Lab Sample ID:	P1869-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.7
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
BM044782.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	110	U	110	190	230	ug/Kg
129-00-0	Pyrene	57.7	U	57.7	90.3	120	ug/Kg
85-68-7	Butylbenzylphthalate	67.2	U	67.2	90.3	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	68.5	U	68.5	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	56.1	U	56.1	90.3	120	ug/Kg
218-01-9	Chrysene	55.2	U	55.2	90.3	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	63.2	U	63.2	90.3	120	ug/Kg
117-84-0	Di-n-octyl phthalate	76.4	U	76.4	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	56.3	U	56.3	90.3	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	57.4	U	57.4	90.3	120	ug/Kg
50-32-8	Benzo(a)pyrene	64.6	U	64.6	90.3	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	54.3	U	54.3	90.3	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	56.4	U	56.4	90.3	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	55.6	U	55.6	90.3	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	60.3	U	60.3	90.3	120	ug/Kg
123-91-1	1,4-Dioxane	76.4	U	76.4	90.3	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	51.9	U	51.9	90.3	120	ug/Kg
90-12-0	1-Methylnaphthalene	57.8	U	57.8	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	64.317		18-112		43	SPK: -150
13127-88-3	Phenol-d6	63.439		15-107		42	SPK: -150
4165-60-0	Nitrobenzene-d5	45.259		18-107		45	SPK: -100
321-60-8	2-Fluorobiphenyl	42.859		20-109		43	SPK: -100
118-79-6	2,4,6-Tribromophenol	63.303		10-110		42	SPK: -150
1718-51-0	Terphenyl-d14	42.906		14-112		43	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	171755	7.687				
1146-65-2	Naphthalene-d8	645712	10.463				
15067-26-2	Acenaphthene-d10	345040	14.333				
1517-22-2	Phenanthrene-d10	610088	17.092				
1719-03-5	Chrysene-d12	452733	21.286				
1520-96-3	Perylene-d12	539569	23.533				



Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-5	SDG No.:	BM032724
Lab Sample ID:	P1869-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.7
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
BM044782.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-55-6	Propylene Glycol	58.6	J			3.516	
000057-10-3	n-Hexadecanoic acid	150	J			17.998	
000057-11-4	Octadecanoic acid	75.3	J			19.286	
018835-33-1	1-Hexacosene	110	J			21.015	

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-5	SDG No.:	BM032724
Lab Sample ID:	P1869-15	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044783.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-5	SDG No.:	BM032724
Lab Sample ID:	P1869-15	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044783.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-5	SDG No.:	BM032724
Lab Sample ID:	P1869-15	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044783.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	132.849		10-139		89	SPK: -150
13127-88-3	Phenol-d6	114.964		10-134		77	SPK: -150
4165-60-0	Nitrobenzene-d5	99.31		49-133		99	SPK: -100
321-60-8	2-Fluorobiphenyl	100.223		52-132		100	SPK: -100
118-79-6	2,4,6-Tribromophenol	150.993		32-145		101	SPK: -150
1718-51-0	Terphenyl-d14	97.901		36-145		98	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	169743	7.686				
1146-65-2	Naphthalene-d8	629370	10.463				
15067-26-2	Acenaphthene-d10	325719	14.333				
1517-22-2	Phenanthrene-d10	565509	17.092				
1719-03-5	Chrysene-d12	467694	21.291				
1520-96-3	Perylene-d12	568513	23.538				



Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-5	SDG No.:	BM032724
Lab Sample ID:	P1869-15	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Injection Volume :		Decanted :	Level : LOW
		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044783.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

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

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	EXTRA-PILE	SDG No.:	BM032724
Lab Sample ID:	P1870-03	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044784.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	EXTRA-PILE	SDG No.:	BM032724
Lab Sample ID:	P1870-03	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044784.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	EXTRA-PILE	SDG No.:	BM032724
Lab Sample ID:	P1870-03	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044784.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	138.137		10-139		92	SPK: -150
13127-88-3	Phenol-d6	120.069		10-134		80	SPK: -150
4165-60-0	Nitrobenzene-d5	104.718		49-133		105	SPK: -100
321-60-8	2-Fluorobiphenyl	103.704		52-132		104	SPK: -100
118-79-6	2,4,6-Tribromophenol	153.745		32-145		102	SPK: -150
1718-51-0	Terphenyl-d14	103.123		36-145		103	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	166784	7.687				
1146-65-2	Naphthalene-d8	611697	10.463				
15067-26-2	Acenaphthene-d10	319858	14.333				
1517-22-2	Phenanthrene-d10	545583	17.086				
1719-03-5	Chrysene-d12	429061	21.286				
1520-96-3	Perylene-d12	535910	23.539				



Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	EXTRA-PILE	SDG No.:	BM032724
Lab Sample ID:	P1870-03	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
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
BM044784.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

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

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	VNJ-206	SDG No.:	BM032724
Lab Sample ID:	P1830-07	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044785.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	VNJ-206	SDG No.:	BM032724
Lab Sample ID:	P1830-07	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044785.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	VNJ-206	SDG No.:	BM032724
Lab Sample ID:	P1830-07	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044785.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	129.902		10-139		87	SPK: -150
13127-88-3	Phenol-d6	112.299		10-134		75	SPK: -150
4165-60-0	Nitrobenzene-d5	99.833		49-133		100	SPK: -100
321-60-8	2-Fluorobiphenyl	99.517		52-132		100	SPK: -100
118-79-6	2,4,6-Tribromophenol	147.83		32-145		99	SPK: -150
1718-51-0	Terphenyl-d14	93.854		36-145		94	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	172484	7.687				
1146-65-2	Naphthalene-d8	632544	10.463				
15067-26-2	Acenaphthene-d10	326274	14.333				
1517-22-2	Phenanthrene-d10	565699	17.086				
1719-03-5	Chrysene-d12	500509	21.286				
1520-96-3	Perylene-d12	594973	23.539				

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	VNJ-206	SDG No.:	BM032724
Lab Sample ID:	P1830-07	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044785.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

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

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	VNJ-226	SDG No.:	BM032724
Lab Sample ID:	P1830-08	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044786.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	VNJ-226	SDG No.:	BM032724
Lab Sample ID:	P1830-08	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044786.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	VNJ-226	SDG No.:	BM032724
Lab Sample ID:	P1830-08	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044786.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	134.29		10-139		90	SPK: -150
13127-88-3	Phenol-d6	113.759		10-134		76	SPK: -150
4165-60-0	Nitrobenzene-d5	99.399		49-133		99	SPK: -100
321-60-8	2-Fluorobiphenyl	107.841		52-132		108	SPK: -100
118-79-6	2,4,6-Tribromophenol	162.125		32-145		108	SPK: -150
1718-51-0	Terphenyl-d14	100.958		36-145		101	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	160564	7.681				
1146-65-2	Naphthalene-d8	589053	10.463				
15067-26-2	Acenaphthene-d10	283224	14.333				
1517-22-2	Phenanthrene-d10	532908	17.086				
1719-03-5	Chrysene-d12	431566	21.291				
1520-96-3	Perylene-d12	195332	23.538				



Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	VNJ-226	SDG No.:	BM032724
Lab Sample ID:	P1830-08	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Injection Volume :		Decanted :	Level : LOW
		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044786.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

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

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-1	SDG No.:	BM032724
Lab Sample ID:	P1869-03	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044787.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-1	SDG No.:	BM032724
Lab Sample ID:	P1869-03	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044787.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-1	SDG No.:	BM032724
Lab Sample ID:	P1869-03	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044787.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	129.29		10-139		86	SPK: -150
13127-88-3	Phenol-d6	108.699		10-134		72	SPK: -150
4165-60-0	Nitrobenzene-d5	100.938		49-133		101	SPK: -100
321-60-8	2-Fluorobiphenyl	100.357		52-132		100	SPK: -100
118-79-6	2,4,6-Tribromophenol	150.885		32-145		101	SPK: -150
1718-51-0	Terphenyl-d14	95.454		36-145		95	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	158466	7.686				
1146-65-2	Naphthalene-d8	573267	10.463				
15067-26-2	Acenaphthene-d10	298090	14.327				
1517-22-2	Phenanthrene-d10	527331	17.086				
1719-03-5	Chrysene-d12	482951	21.286				
1520-96-3	Perylene-d12	554651	23.532				

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-1	SDG No.:	BM032724
Lab Sample ID:	P1869-03	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044787.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

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

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-2	SDG No.:	BM032724
Lab Sample ID:	P1869-06	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044788.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-2	SDG No.:	BM032724
Lab Sample ID:	P1869-06	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044788.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-2	SDG No.:	BM032724
Lab Sample ID:	P1869-06	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044788.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	126.461		10-139		84	SPK: -150
13127-88-3	Phenol-d6	107.301		10-134		72	SPK: -150
4165-60-0	Nitrobenzene-d5	97.363		49-133		97	SPK: -100
321-60-8	2-Fluorobiphenyl	96.22		52-132		96	SPK: -100
118-79-6	2,4,6-Tribromophenol	144.182		32-145		96	SPK: -150
1718-51-0	Terphenyl-d14	98.381		36-145		98	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	173746	7.681				
1146-65-2	Naphthalene-d8	642466	10.463				
15067-26-2	Acenaphthene-d10	343983	14.327				
1517-22-2	Phenanthrene-d10	594898	17.086				
1719-03-5	Chrysene-d12	460844	21.286				
1520-96-3	Perylene-d12	529867	23.532				



Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-2	SDG No.:	BM032724
Lab Sample ID:	P1869-06	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044788.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

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

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-3	SDG No.:	BM032724
Lab Sample ID:	P1869-09	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044789.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-3	SDG No.:	BM032724
Lab Sample ID:	P1869-09	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044789.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-3	SDG No.:	BM032724
Lab Sample ID:	P1869-09	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044789.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	131.688		10-139		88	SPK: -150
13127-88-3	Phenol-d6	110.637		10-134		74	SPK: -150
4165-60-0	Nitrobenzene-d5	100.23		49-133		100	SPK: -100
321-60-8	2-Fluorobiphenyl	100.069		52-132		100	SPK: -100
118-79-6	2,4,6-Tribromophenol	138.006		32-145		92	SPK: -150
1718-51-0	Terphenyl-d14	89.889		36-145		90	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	161347	7.681				
1146-65-2	Naphthalene-d8	585990	10.463				
15067-26-2	Acenaphthene-d10	295053	14.327				
1517-22-2	Phenanthrene-d10	502528	17.086				
1719-03-5	Chrysene-d12	446365	21.286				
1520-96-3	Perylene-d12	519371	23.532				



Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-3	SDG No.:	BM032724
Lab Sample ID:	P1869-09	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044789.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

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

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-4	SDG No.:	BM032724
Lab Sample ID:	P1869-12	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044790.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-4	SDG No.:	BM032724
Lab Sample ID:	P1869-12	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044790.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-4	SDG No.:	BM032724
Lab Sample ID:	P1869-12	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044790.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	128.648		10-139		86	SPK: -150
13127-88-3	Phenol-d6	110.132		10-134		73	SPK: -150
4165-60-0	Nitrobenzene-d5	97.499		49-133		97	SPK: -100
321-60-8	2-Fluorobiphenyl	97.656		52-132		98	SPK: -100
118-79-6	2,4,6-Tribromophenol	135.968		32-145		91	SPK: -150
1718-51-0	Terphenyl-d14	94.968		36-145		95	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	162609	7.681				
1146-65-2	Naphthalene-d8	593468	10.463				
15067-26-2	Acenaphthene-d10	306457	14.327				
1517-22-2	Phenanthrene-d10	507584	17.086				
1719-03-5	Chrysene-d12	401774	21.286				
1520-96-3	Perylene-d12	507079	23.533				



Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-4	SDG No.:	BM032724
Lab Sample ID:	P1869-12	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044790.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159812

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

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	VNJ-209	SDG No.:	BM032724
Lab Sample ID:	P1874-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044791.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

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	U	58	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	50.1	U	50.1	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	50	U	50	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	51.5	U	51.5	77.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	51.8	U	51.8	77.9	100	ug/Kg
100-51-6	Benzyl Alcohol	49.7	U	49.7	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	52.1	U	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	24.1	U	24.1	47.9	47.9	ug/Kg
67-72-1	Hexachloroethane	49.7	U	49.7	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	56.6	U	56.6	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	55.8	U	55.8	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	45.2	U	45.2	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	140	U	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	46.4	U	46.4	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	49.4	U	49.4	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	VNJ-209	SDG No.:	BM032724
Lab Sample ID:	P1874-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044791.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

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	44.3	U	44.3	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	56.9	U	56.9	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	48.9	U	48.9	77.9	100	ug/Kg
208-96-8	Acenaphthylene	51.8	U	51.8	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	49.8	U	49.8	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	53.4	U	53.4	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.6	U	48.6	77.9	100	ug/Kg
Total PAH	Total PAH	1777.2	U	793.7	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
121-14-2	2,4-Dinitrotoluene	51.6	U	51.6	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	101.4	U	101.4	77.9	200	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	51.2	U	51.2	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	50.9	U	50.9	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	170		50.3	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	360		48.9	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	VNJ-209	SDG No.:	BM032724
Lab Sample ID:	P1874-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044791.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	97.6	U	97.6	160	200	ug/Kg
129-00-0	Pyrene	280		49.7	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	150		48.3	77.9	100	ug/Kg
218-01-9	Chrysene	170		47.6	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	54.5	U	54.5	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	230		48.6	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	65.4	J	49.5	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	150		55.7	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	91.8	J	46.8	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	48.6	U	48.6	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110		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	44.7	U	44.7	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	49.8	U	49.8	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	83.262		18-112		56	SPK: -150
13127-88-3	Phenol-d6	77.521		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	59.227		18-107		59	SPK: -100
321-60-8	2-Fluorobiphenyl	58.202		20-109		58	SPK: -100
118-79-6	2,4,6-Tribromophenol	92.327		10-110		62	SPK: -150
1718-51-0	Terphenyl-d14	53.107		14-112		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	155923	7.681				
1146-65-2	Naphthalene-d8	556850	10.457				
15067-26-2	Acenaphthene-d10	292701	14.327				
1517-22-2	Phenanthrene-d10	554563	17.086				
1719-03-5	Chrysene-d12	515540	21.286				
1520-96-3	Perylene-d12	632669	23.527				



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

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	VNJ-209	SDG No.:	BM032724
Lab Sample ID:	P1874-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044791.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	160	J			17.992	
000203-64-5	4H-Cyclopenta[def]phenanthrene	41.9	J			18.157	
000295-65-8	Cyclohexadecane	71.3	J			21.009	
000192-97-2	Benzo[e]pyrene	130	J			23.333	

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	72-11933	SDG No.:	BM032724
Lab Sample ID:	P1874-03	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 Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044792.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

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	52.1	U	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	140	U	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:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	72-11933	SDG No.:	BM032724
Lab Sample ID:	P1874-03	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
BM044792.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

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	816.5	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	91.4	J	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	150		49	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	72-11933	SDG No.:	BM032724
Lab Sample ID:	P1874-03	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 Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044792.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

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	130		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	68.3	J	48.4	77.9	100	ug/Kg
218-01-9	Chrysene	82.3	J	47.7	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	54.6	U	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	110		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	79.6	J	55.8	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	48	J	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	56.9	J	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	87.387		18-112		58	SPK: -150
13127-88-3	Phenol-d6	80.655		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	61.166		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	58.829		20-109		59	SPK: -100
118-79-6	2,4,6-Tribromophenol	89.886		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	47.849		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	178955	7.681				
1146-65-2	Naphthalene-d8	642973	10.457				
15067-26-2	Acenaphthene-d10	314304	14.328				
1517-22-2	Phenanthrene-d10	555410	17.086				
1719-03-5	Chrysene-d12	513381	21.28				
1520-96-3	Perylene-d12	639301	23.527				



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

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	72-11933	SDG No.:	BM032724
Lab Sample ID:	P1874-03	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 Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044792.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	370	J			17.998	
000057-11-4	Octadecanoic acid	56.4	J			19.28	
018435-45-5	1-Nonadecene	85.9	J			21.009	

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-1	SDG No.:	BM032724
Lab Sample ID:	P1869-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.5
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044793.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	60.2	U	60.2	190	230	ug/Kg
110-86-1	Pyridine	55.4	U	55.4	90.1	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	190	230	ug/Kg
62-53-3	Aniline	67.2	U	67.2	90.1	120	ug/Kg
108-95-2	Phenol	57.5	U	57.5	90.1	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	58	U	58	90.1	120	ug/Kg
95-57-8	2-Chlorophenol	57.9	U	57.9	90.1	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	58.6	U	58.6	90.1	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	59.6	U	59.6	90.1	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	60	U	60	90.1	120	ug/Kg
100-51-6	Benzyl Alcohol	57.5	U	57.5	190	230	ug/Kg
95-48-7	2-Methylphenol	55.9	U	55.9	90.1	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	63	U	63	90.1	120	ug/Kg
98-86-2	Acetophenone	60.2	U	60.2	90.1	120	ug/Kg
65794-96-9	3+4-Methylphenols	55.3	U	55.3	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27.9	U	27.9	55.5	55.5	ug/Kg
67-72-1	Hexachloroethane	57.5	U	57.5	90.1	120	ug/Kg
98-95-3	Nitrobenzene	62.9	U	62.9	90.1	120	ug/Kg
78-59-1	Isophorone	58.6	U	58.6	90.1	120	ug/Kg
88-75-5	2-Nitrophenol	65.5	U	65.5	90.1	120	ug/Kg
105-67-9	2,4-Dimethylphenol	64.6	U	64.6	90.1	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	59.5	U	59.5	90.1	120	ug/Kg
120-83-2	2,4-Dichlorophenol	52.3	U	52.3	90.1	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	59.2	U	59.2	90.1	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	190	230	ug/Kg
91-20-3	Naphthalene	57.3	U	57.3	90.1	120	ug/Kg
106-47-8	4-Chloroaniline	57.3	U	57.3	90.1	120	ug/Kg
87-68-3	Hexachlorobutadiene	57.7	U	57.7	90.1	120	ug/Kg
105-60-2	Caprolactam	60.2	U	60.2	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	53.7	U	53.7	90.1	120	ug/Kg
91-57-6	2-Methylnaphthalene	57.2	U	57.2	90.1	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-1	SDG No.:	BM032724
Lab Sample ID:	P1869-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.5
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044793.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	110	U	110	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	49.5	U	49.5	90.1	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	51.3	U	51.3	90.1	120	ug/Kg
92-52-4	1,1-Biphenyl	60.6	U	60.6	90.1	120	ug/Kg
91-58-7	2-Chloronaphthalene	57.7	U	57.7	90.1	120	ug/Kg
88-74-4	2-Nitroaniline	65.9	U	65.9	90.1	120	ug/Kg
131-11-3	Dimethylphthalate	56.6	U	56.6	90.1	120	ug/Kg
208-96-8	Acenaphthylene	60	U	60	90.1	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	57.7	U	57.7	90.1	120	ug/Kg
99-09-2	3-Nitroaniline	61.8	U	61.8	90.1	120	ug/Kg
83-32-9	Acenaphthene	56.2	U	56.2	90.1	120	ug/Kg
Total PAH	Total PAH	918.5	U	918.5	90.1	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	190	230	ug/Kg
100-02-7	4-Nitrophenol	80.4	U	80.4	190	230	ug/Kg
132-64-9	Dibenzofuran	58.5	U	58.5	90.1	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	117.5	U	117.5	90.1	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.8	U	59.8	90.1	120	ug/Kg
84-66-2	Diethylphthalate	55.5	U	55.5	90.1	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	59.3	U	59.3	90.1	120	ug/Kg
86-73-7	Fluorene	59.3	U	59.3	90.1	120	ug/Kg
100-01-6	4-Nitroaniline	74.2	U	74.2	90.1	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	81.1	U	81.1	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	56.6	U	56.6	90.1	120	ug/Kg
103-33-3	Azobenzene	55.2	U	55.2	90.1	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	54.7	U	54.7	90.1	120	ug/Kg
118-74-1	Hexachlorobenzene	58.9	U	58.9	90.1	120	ug/Kg
1912-24-9	Atrazine	63.4	U	63.4	90.1	120	ug/Kg
87-86-5	Pentachlorophenol	53.6	U	53.6	190	230	ug/Kg
85-01-8	Phenanthrene	58.2	U	58.2	90.1	120	ug/Kg
120-12-7	Anthracene	58.5	U	58.5	90.1	120	ug/Kg
86-74-8	Carbazole	55.7	U	55.7	90.1	120	ug/Kg
84-74-2	Di-n-butylphthalate	58.4	U	58.4	90.1	120	ug/Kg
206-44-0	Fluoranthene	56.6	U	56.6	90.1	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-1	SDG No.:	BM032724
Lab Sample ID:	P1869-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.5
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044793.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	110	U	110	190	230	ug/Kg
129-00-0	Pyrene	57.5	U	57.5	90.1	120	ug/Kg
85-68-7	Butylbenzylphthalate	67.1	U	67.1	90.1	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	68.4	U	68.4	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	55.9	U	55.9	90.1	120	ug/Kg
218-01-9	Chrysene	55.1	U	55.1	90.1	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	63.1	U	63.1	90.1	120	ug/Kg
117-84-0	Di-n-octyl phthalate	76.3	U	76.3	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	56.2	U	56.2	90.1	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	57.3	U	57.3	90.1	120	ug/Kg
50-32-8	Benzo(a)pyrene	64.5	U	64.5	90.1	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	54.1	U	54.1	90.1	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	56.3	U	56.3	90.1	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	55.5	U	55.5	90.1	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	60.2	U	60.2	90.1	120	ug/Kg
123-91-1	1,4-Dioxane	76.3	U	76.3	90.1	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	51.8	U	51.8	90.1	120	ug/Kg
90-12-0	1-Methylnaphthalene	57.7	U	57.7	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	59.484		18-112		40	SPK: -150
13127-88-3	Phenol-d6	60.36		15-107		40	SPK: -150
4165-60-0	Nitrobenzene-d5	44.468		18-107		44	SPK: -100
321-60-8	2-Fluorobiphenyl	41.924		20-109		42	SPK: -100
118-79-6	2,4,6-Tribromophenol	54.036		10-110		36	SPK: -150
1718-51-0	Terphenyl-d14	40.049		14-112		40	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	190724	7.681				
1146-65-2	Naphthalene-d8	728711	10.457				
15067-26-2	Acenaphthene-d10	380845	14.327				
1517-22-2	Phenanthrene-d10	652567	17.086				
1719-03-5	Chrysene-d12	481428	21.286				
1520-96-3	Perylene-d12	601338	23.527				



Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-1	SDG No.:	BM032724
Lab Sample ID:	P1869-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.5
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
BM044793.D	1	3/27/2024 12:00:00 AM	3/27/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	120	A			4.852	
000057-10-3	n-Hexadecanoic acid	53.4	J			17.992	
1000406-04-8	Pentadecafluorooctanoic acid, octa	73.3	J			21.009	

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-4	SDG No.:	BM032724
Lab Sample ID:	P1869-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.9
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044794.D	1	3/27/2024 12:00:00 AM	3/28/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	59	U	59	180	220	ug/Kg
110-86-1	Pyridine	54.3	U	54.3	88.4	120	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	65.9	U	65.9	88.4	120	ug/Kg
108-95-2	Phenol	56.4	U	56.4	88.4	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	56.9	U	56.9	88.4	120	ug/Kg
95-57-8	2-Chlorophenol	56.8	U	56.8	88.4	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	57.5	U	57.5	88.4	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	58.5	U	58.5	88.4	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	58.8	U	58.8	88.4	120	ug/Kg
100-51-6	Benzyl Alcohol	56.4	U	56.4	180	220	ug/Kg
95-48-7	2-Methylphenol	54.8	U	54.8	88.4	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	61.8	U	61.8	88.4	120	ug/Kg
98-86-2	Acetophenone	59.1	U	59.1	88.4	120	ug/Kg
65794-96-9	3+4-Methylphenols	54.3	U	54.3	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27.4	U	27.4	54.4	54.4	ug/Kg
67-72-1	Hexachloroethane	56.4	U	56.4	88.4	120	ug/Kg
98-95-3	Nitrobenzene	61.8	U	61.8	88.4	120	ug/Kg
78-59-1	Isophorone	57.5	U	57.5	88.4	120	ug/Kg
88-75-5	2-Nitrophenol	64.3	U	64.3	88.4	120	ug/Kg
105-67-9	2,4-Dimethylphenol	63.4	U	63.4	88.4	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.4	U	58.4	88.4	120	ug/Kg
120-83-2	2,4-Dichlorophenol	51.3	U	51.3	88.4	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	58.1	U	58.1	88.4	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	56.2	U	56.2	88.4	120	ug/Kg
106-47-8	4-Chloroaniline	56.2	U	56.2	88.4	120	ug/Kg
87-68-3	Hexachlorobutadiene	56.7	U	56.7	88.4	120	ug/Kg
105-60-2	Caprolactam	59	U	59	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.7	U	52.7	88.4	120	ug/Kg
91-57-6	2-Methylnaphthalene	56.1	U	56.1	88.4	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-4	SDG No.:	BM032724
Lab Sample ID:	P1869-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.9
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044794.D	1	3/27/2024 12:00:00 AM	3/28/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	110	U	110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48.6	U	48.6	88.4	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	50.3	U	50.3	88.4	120	ug/Kg
92-52-4	1,1-Biphenyl	59.4	U	59.4	88.4	120	ug/Kg
91-58-7	2-Chloronaphthalene	56.7	U	56.7	88.4	120	ug/Kg
88-74-4	2-Nitroaniline	64.6	U	64.6	88.4	120	ug/Kg
131-11-3	Dimethylphthalate	55.6	U	55.6	88.4	120	ug/Kg
208-96-8	Acenaphthylene	58.8	U	58.8	88.4	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	56.6	U	56.6	88.4	120	ug/Kg
99-09-2	3-Nitroaniline	60.7	U	60.7	88.4	120	ug/Kg
83-32-9	Acenaphthene	55.2	U	55.2	88.4	120	ug/Kg
Total PAH	Total PAH	901.2	U	901.2	88.4	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	180	220	ug/Kg
100-02-7	4-Nitrophenol	78.9	U	78.9	180	220	ug/Kg
132-64-9	Dibenzofuran	57.4	U	57.4	88.4	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	15.2	U	115.2	88.4	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.6	U	58.6	88.4	120	ug/Kg
84-66-2	Diethylphthalate	54.5	U	54.5	88.4	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	58.2	U	58.2	88.4	120	ug/Kg
86-73-7	Fluorene	58.1	U	58.1	88.4	120	ug/Kg
100-01-6	4-Nitroaniline	72.8	U	72.8	88.4	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	79.6	U	79.6	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.5	U	55.5	88.4	120	ug/Kg
103-33-3	Azobenzene	54.1	U	54.1	88.4	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53.7	U	53.7	88.4	120	ug/Kg
118-74-1	Hexachlorobenzene	57.8	U	57.8	88.4	120	ug/Kg
1912-24-9	Atrazine	62.2	U	62.2	88.4	120	ug/Kg
87-86-5	Pentachlorophenol	52.6	U	52.6	180	220	ug/Kg
85-01-8	Phenanthrene	95.4	J	57.1	88.4	120	ug/Kg
120-12-7	Anthracene	57.4	U	57.4	88.4	120	ug/Kg
86-74-8	Carbazole	54.6	U	54.6	88.4	120	ug/Kg
84-74-2	Di-n-butylphthalate	57.3	U	57.3	88.4	120	ug/Kg
206-44-0	Fluoranthene	170		55.6	88.4	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-4	SDG No.:	BM032724
Lab Sample ID:	P1869-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.9
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044794.D	1	3/27/2024 12:00:00 AM	3/28/2024 12:00:00 AM	PB159793

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	170		56.4	88.4	120	ug/Kg
85-68-7	Butylbenzylphthalate	65.8	U	65.8	88.4	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	67.1	U	67.1	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	95.5	J	54.9	88.4	120	ug/Kg
218-01-9	Chrysene	84.9	J	54.1	88.4	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	61.9	U	61.9	88.4	120	ug/Kg
117-84-0	Di-n-octyl phthalate	74.8	U	74.8	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	120		55.2	88.4	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	56.2	U	56.2	88.4	120	ug/Kg
50-32-8	Benzo(a)pyrene	88.3	J	63.2	88.4	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	53.1	U	53.1	88.4	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	55.2	U	55.2	88.4	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	62.7	J	54.5	88.4	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59	U	59	88.4	120	ug/Kg
123-91-1	1,4-Dioxane	74.8	U	74.8	88.4	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.8	U	50.8	88.4	120	ug/Kg
90-12-0	1-Methylnaphthalene	56.6	U	56.6	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	77.099		18-112		51	SPK: -150
13127-88-3	Phenol-d6	74.486		15-107		50	SPK: -150
4165-60-0	Nitrobenzene-d5	52.645		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	50.358		20-109		50	SPK: -100
118-79-6	2,4,6-Tribromophenol	73.799		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	43.034		14-112		43	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	199777	7.681				
1146-65-2	Naphthalene-d8	749856	10.457				
15067-26-2	Acenaphthene-d10	376453	14.327				
1517-22-2	Phenanthrene-d10	624755	17.086				
1719-03-5	Chrysene-d12	527900	21.28				
1520-96-3	Perylene-d12	630115	23.527				



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Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	SOIL-4	SDG No.:	BM032724
Lab Sample ID:	P1869-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.9
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044794.D	1	3/27/2024 12:00:00 AM	3/28/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-55-6	Propylene Glycol	88.6	J			3.51	
000057-10-3	n-Hexadecanoic acid	110	J			17.992	
006222-03-3	Trifluoroacetoxy hexadecane	76.2	J			21.009	

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	EXTRA-PILE	SDG No.:	BM032724
Lab Sample ID:	P1870-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.4
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
BM044795.D	1	3/27/2024 12:00:00 AM	3/28/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	61.5	U	61.5	190	230	ug/Kg
110-86-1	Pyridine	56.6	U	56.6	92.2	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	190	230	ug/Kg
62-53-3	Aniline	68.7	U	68.7	92.2	120	ug/Kg
108-95-2	Phenol	58.8	U	58.8	92.2	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	59.3	U	59.3	92.2	120	ug/Kg
95-57-8	2-Chlorophenol	59.2	U	59.2	92.2	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	60	U	60	92.2	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	61	U	61	92.2	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	61.3	U	61.3	92.2	120	ug/Kg
100-51-6	Benzyl Alcohol	58.8	U	58.8	190	230	ug/Kg
95-48-7	2-Methylphenol	57.1	U	57.1	92.2	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	64.4	U	64.4	92.2	120	ug/Kg
98-86-2	Acetophenone	61.6	U	61.6	92.2	120	ug/Kg
65794-96-9	3+4-Methylphenols	56.6	U	56.6	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	28.6	U	28.6	56.7	56.7	ug/Kg
67-72-1	Hexachloroethane	58.8	U	58.8	92.2	120	ug/Kg
98-95-3	Nitrobenzene	64.4	U	64.4	92.2	120	ug/Kg
78-59-1	Isophorone	60	U	60	92.2	120	ug/Kg
88-75-5	2-Nitrophenol	67	U	67	92.2	120	ug/Kg
105-67-9	2,4-Dimethylphenol	66.1	U	66.1	92.2	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	60.8	U	60.8	92.2	120	ug/Kg
120-83-2	2,4-Dichlorophenol	53.5	U	53.5	92.2	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	60.5	U	60.5	92.2	120	ug/Kg
65-85-0	Benzoic acid	170	U	170	190	230	ug/Kg
91-20-3	Naphthalene	58.6	U	58.6	92.2	120	ug/Kg
106-47-8	4-Chloroaniline	58.6	U	58.6	92.2	120	ug/Kg
87-68-3	Hexachlorobutadiene	59.1	U	59.1	92.2	120	ug/Kg
105-60-2	Caprolactam	61.5	U	61.5	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	54.9	U	54.9	92.2	120	ug/Kg
91-57-6	2-Methylnaphthalene	58.5	U	58.5	92.2	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	EXTRA-PILE	SDG No.:	BM032724
Lab Sample ID:	P1870-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.4
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
BM044795.D	1	3/27/2024 12:00:00 AM	3/28/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	110	U	110	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	50.6	U	50.6	92.2	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	52.5	U	52.5	92.2	120	ug/Kg
92-52-4	1,1-Biphenyl	62	U	62	92.2	120	ug/Kg
91-58-7	2-Chloronaphthalene	59.1	U	59.1	92.2	120	ug/Kg
88-74-4	2-Nitroaniline	67.3	U	67.3	92.2	120	ug/Kg
131-11-3	Dimethylphthalate	57.9	U	57.9	92.2	120	ug/Kg
208-96-8	Acenaphthylene	61.3	U	61.3	92.2	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	59	U	59	92.2	120	ug/Kg
99-09-2	3-Nitroaniline	63.2	U	63.2	92.2	120	ug/Kg
83-32-9	Acenaphthene	63.1	J	57.5	92.2	120	ug/Kg
Total PAH	Total PAH	4472.8		939.5	92.2	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	190	230	ug/Kg
100-02-7	4-Nitrophenol	82.2	U	82.2	190	230	ug/Kg
132-64-9	Dibenzofuran	59.8	U	59.8	92.2	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	61.1	U	61.1	92.2	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	20.1	U	120.1	92.2	240	ug/Kg
84-66-2	Diethylphthalate	56.8	U	56.8	92.2	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	60.7	U	60.7	92.2	120	ug/Kg
86-73-7	Fluorene	60.6	U	60.6	92.2	120	ug/Kg
100-01-6	4-Nitroaniline	75.9	U	75.9	92.2	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	82.9	U	82.9	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	57.8	U	57.8	92.2	120	ug/Kg
103-33-3	Azobenzene	56.4	U	56.4	92.2	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	55.9	U	55.9	92.2	120	ug/Kg
118-74-1	Hexachlorobenzene	60.3	U	60.3	92.2	120	ug/Kg
1912-24-9	Atrazine	64.8	U	64.8	92.2	120	ug/Kg
87-86-5	Pentachlorophenol	54.8	U	54.8	190	230	ug/Kg
85-01-8	Phenanthrene	510		59.6	92.2	120	ug/Kg
120-12-7	Anthracene	130		59.8	92.2	120	ug/Kg
86-74-8	Carbazole	60.1	J	56.9	92.2	120	ug/Kg
84-74-2	Di-n-butylphthalate	59.8	U	59.8	92.2	120	ug/Kg
206-44-0	Fluoranthene	790		57.9	92.2	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	EXTRA-PILE	SDG No.:	BM032724
Lab Sample ID:	P1870-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.4
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
BM044795.D	1	3/27/2024 12:00:00 AM	3/28/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	120	U	120	190	230	ug/Kg
129-00-0	Pyrene	730		58.8	92.2	120	ug/Kg
85-68-7	Butylbenzylphthalate	68.6	U	68.6	92.2	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	69.9	U	69.9	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	400		57.2	92.2	120	ug/Kg
218-01-9	Chrysene	350		56.4	92.2	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	64.5	U	64.5	92.2	120	ug/Kg
117-84-0	Di-n-octyl phthalate	78	U	78	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	490		57.5	92.2	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	170		58.6	92.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	360		65.9	92.2	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	200		55.4	92.2	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	59.7	J	57.6	92.2	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	220		56.8	92.2	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	61.5	U	61.5	92.2	120	ug/Kg
123-91-1	1,4-Dioxane	78	U	78	92.2	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	53	U	53	92.2	120	ug/Kg
90-12-0	1-Methylnaphthalene	59	U	59	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	77.402		18-112		52	SPK: -150
13127-88-3	Phenol-d6	75.957		15-107		51	SPK: -150
4165-60-0	Nitrobenzene-d5	51.602		18-107		52	SPK: -100
321-60-8	2-Fluorobiphenyl	49.27		20-109		49	SPK: -100
118-79-6	2,4,6-Tribromophenol	77.716		10-110		52	SPK: -150
1718-51-0	Terphenyl-d14	49.312		14-112		49	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	204474	7.681				
1146-65-2	Naphthalene-d8	796698	10.457				
15067-26-2	Acenaphthene-d10	433213	14.327				
1517-22-2	Phenanthrene-d10	741120	17.086				
1719-03-5	Chrysene-d12	546046	21.286				
1520-96-3	Perylene-d12	630121	23.533				



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Report of Analysis

Client:		Date Collected:	3/26/2024 12:00:00 AM
Project:		Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	EXTRA-PILE	SDG No.:	BM032724
Lab Sample ID:	P1870-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.4
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044795.D	1	3/27/2024 12:00:00 AM	3/28/2024 12:00:00 AM	PB159793

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	270	J			17.998	
000203-64-5	4H-Cyclopenta[def]phenanthrene	130	J			18.157	
000243-17-4	11H-Benzo[b]fluorene	52.7	J			20.015	
002381-21-7	Pyrene, 1-methyl-	58.6	J			20.115	
002136-70-1	Ethanol, 2-(tetradecyloxy)-	110	J			21.009	

Hit Summary Sheet

SW-846

SDG No.: BM032724

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SOIL-1								
P1869-01	SOIL-1	Solid	2-Pentanone, 4-hydroxy-4-methyl *	120.000	A			
P1869-01	SOIL-1	Solid	n-Hexadecanoic acid *	53.400	J			
P1869-01	SOIL-1	Solid	Pentadecafluorooctanoic acid, oct: *	73.300	J			
Total Tics :						246.70		
Total Concentration:						246.70		
Client ID : SOIL-2								
P1869-04	SOIL-2	Solid	9-Octadecenoic acid, (E)- *	50.800	J			
P1869-04	SOIL-2	Solid	n-Hexadecanoic acid *	200.000	J			
P1869-04	SOIL-2	Solid	Octadecanoic acid *	76.800	J			
P1869-04	SOIL-2	Solid	Z-5-Nonadecene *	87.700	J			
Total Tics :						415.30		
Total Concentration:						415.30		
Client ID : SOIL-3								
P1869-07	SOIL-3	Solid	Cyclopentadecane *	92.300	J			
P1869-07	SOIL-3	Solid	n-Hexadecanoic acid *	180.000	J			
P1869-07	SOIL-3	Solid	Octadecanoic acid *	72.000	J			
P1869-07	SOIL-3	Solid	Propylene Glycol *	74.100	J			
Total Tics :						418.40		
Total Concentration:						418.40		
Client ID : SOIL-4								
P1869-10	SOIL-4	Solid	n-Hexadecanoic acid *	110.000	J			
P1869-10	SOIL-4	Solid	Propylene Glycol *	88.600	J			
P1869-10	SOIL-4	Solid	Trifluoroacetoxy hexadecane *	76.200	J			
Total Tics :						274.80		
P1869-10	SOIL-4	Solid	Benzo(a)anthracene	95.500	J	54.9	120	ug/Kg
P1869-10	SOIL-4	Solid	Benzo(a)pyrene	88.300	J	63.2	120	ug/Kg
P1869-10	SOIL-4	Solid	Benzo(b)fluoranthene	120.000	J	55.2	120	ug/Kg
P1869-10	SOIL-4	Solid	Benzo(g,h,i)perylene	62.700	J	54.5	120	ug/Kg
P1869-10	SOIL-4	Solid	Chrysene	84.900	J	54.1	120	ug/Kg
P1869-10	SOIL-4	Solid	Fluoranthene	170.000	J	55.6	120	ug/Kg
P1869-10	SOIL-4	Solid	Phenanthrene	95.400	J	57.1	120	ug/Kg
P1869-10	SOIL-4	Solid	Pyrene	170.000	J	56.4	120	ug/Kg
Total Svoc :						886.80		
Total Concentration:						1,161.60		
Client ID : SOIL-5								
P1869-13	SOIL-5	Solid	1-Hexacosene *	110.000	J			
P1869-13	SOIL-5	Solid	n-Hexadecanoic acid *	150.000	J			
P1869-13	SOIL-5	Solid	Octadecanoic acid *	75.300	J			

Hit Summary Sheet SW-846

SDG No.: BM032724

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1869-13	SOIL-5	Solid	Propylene Glycol	*	58.600	J		
Total Tics :					393.90			
Total Concentration:					393.90			
Client ID : EXTRA-PILE								
P1870-01	EXTRA-PILE	Solid	11H-Benzo[b]fluorene	*	52.700	J		
P1870-01	EXTRA-PILE	Solid	4H-Cyclopenta[def]phenanthrene	*	130.000	J		
P1870-01	EXTRA-PILE	Solid	Ethanol, 2-(tetradecyloxy)-	*	110.000	J		
P1870-01	EXTRA-PILE	Solid	n-Hexadecanoic acid	*	270.000	J		
P1870-01	EXTRA-PILE	Solid	Pyrene, 1-methyl-	*	58.600	J		
Total Tics :					621.30			
P1870-01	EXTRA-PILE	Solid	Acenaphthene		63.100	J	57.5	120 ug/Kg
P1870-01	EXTRA-PILE	Solid	Anthracene		130.000		59.8	120 ug/Kg
P1870-01	EXTRA-PILE	Solid	Benzo(a)anthracene		400.000		57.2	120 ug/Kg
P1870-01	EXTRA-PILE	Solid	Benzo(a)pyrene		360.000		65.9	120 ug/Kg
P1870-01	EXTRA-PILE	Solid	Benzo(b)fluoranthene		490.000		57.5	120 ug/Kg
P1870-01	EXTRA-PILE	Solid	Benzo(g,h,i)perylene		220.000		56.8	120 ug/Kg
P1870-01	EXTRA-PILE	Solid	Benzo(k)fluoranthene		170.000		58.6	120 ug/Kg
P1870-01	EXTRA-PILE	Solid	Carbazole		60.100	J	56.9	120 ug/Kg
P1870-01	EXTRA-PILE	Solid	Chrysene		350.000		56.4	120 ug/Kg
P1870-01	EXTRA-PILE	Solid	Dibenzo(a,h)anthracene		59.700	J	57.6	120 ug/Kg
P1870-01	EXTRA-PILE	Solid	Fluoranthene		790.000		57.9	120 ug/Kg
P1870-01	EXTRA-PILE	Solid	Indeno(1,2,3-cd)pyrene		200.000		55.4	120 ug/Kg
P1870-01	EXTRA-PILE	Solid	Phenanthrene		510.000		59.6	120 ug/Kg
P1870-01	EXTRA-PILE	Solid	Pyrene		730.000		58.8	120 ug/Kg
P1870-01	EXTRA-PILE	Solid	Total PAH		4,472.000		939.5	1920 ug/Kg
Total Svoc :					9,004.90			
Total Concentration:					9,626.20			
Client ID : VNJ-209								
P1874-01	VNJ-209	Solid	4H-Cyclopenta[def]phenanthrene	*	41.900	J		
P1874-01	VNJ-209	Solid	Benzo[e]pyrene	*	130.000	J		
P1874-01	VNJ-209	Solid	Cyclohexadecane	*	71.300	J		
P1874-01	VNJ-209	Solid	n-Hexadecanoic acid	*	160.000	J		
Total Tics :					403.20			
P1874-01	VNJ-209	Solid	Benzo(a)anthracene		150.000		48.3	100 ug/Kg
P1874-01	VNJ-209	Solid	Benzo(a)pyrene		150.000		55.7	100 ug/Kg
P1874-01	VNJ-209	Solid	Benzo(b)fluoranthene		230.000		48.6	100 ug/Kg
P1874-01	VNJ-209	Solid	Benzo(g,h,i)perylene		110.000		48	100 ug/Kg
P1874-01	VNJ-209	Solid	Benzo(k)fluoranthene		65.400	J	49.5	100 ug/Kg
P1874-01	VNJ-209	Solid	Chrysene		170.000		47.6	100 ug/Kg
P1874-01	VNJ-209	Solid	Fluoranthene		360.000		48.9	100 ug/Kg
P1874-01	VNJ-209	Solid	Indeno(1,2,3-cd)pyrene		91.800	J	46.8	100 ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM032724

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1874-01	VNJ-209	Solid	Phenanthrene	170.000		50.3	100	ug/Kg
P1874-01	VNJ-209	Solid	Pyrene	280.000		49.7	100	ug/Kg
Total Svoc :				1,777.20				
Total Concentration:				2,180.40				
Client ID : 72-11933								
P1874-03	72-11933	Solid	1-Nonadecene	*	85.900	J		
P1874-03	72-11933	Solid	n-Hexadecanoic acid	*	370.000	J		
P1874-03	72-11933	Solid	Octadecanoic acid	*	56.400	J		
Total Tics :				512.30				
P1874-03	72-11933	Solid	Benzo(a)anthracene		68.300	J	48.4	100 ug/Kg
P1874-03	72-11933	Solid	Benzo(a)pyrene		79.600	J	55.8	100 ug/Kg
P1874-03	72-11933	Solid	Benzo(b)fluoranthene		110.000		48.6	100 ug/Kg
P1874-03	72-11933	Solid	Benzo(g,h,i)perylene		56.900	J	48	100 ug/Kg
P1874-03	72-11933	Solid	Chrysene		82.300	J	47.7	100 ug/Kg
P1874-03	72-11933	Solid	Fluoranthene		150.000		49	100 ug/Kg
P1874-03	72-11933	Solid	Indeno(1,2,3-cd)pyrene		48.000	J	46.8	100 ug/Kg
P1874-03	72-11933	Solid	Phenanthrene		91.400	J	50.4	100 ug/Kg
P1874-03	72-11933	Solid	Pyrene		130.000		49.8	100 ug/Kg
Total Svoc :				816.50				
Total Concentration:				1,328.80				



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: CHEMTECHLab Code: CHEM Case No.: BM032724 SAS No.: BM032724 SDG NO.: BM032724EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 27 2024 12:00AMLab File ID: BM044599.D Time Analyzed: 14:29Instrument 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	PB159793BL	210359	7.69	798997	10.47	422531	14.33
02	PB159793BS	179530	7.69	675482	10.47	319866	14.33
03	SOIL-3	150561	7.69	540380	10.46	275504	14.33
04	SOIL-2	152198	7.69	550101	10.46	278875	14.33
05	SOIL-5	171755	7.69	645712	10.46	345040	14.33
06	SOIL-5	169743	7.69	629370	10.46	325719	14.33
07	EXTRA-PILE	166784	7.69	611697	10.46	319858	14.33
08	VNJ-206	172484	7.69	632544	10.46	326274	14.33
09	VNJ-226	160564	7.68	589053	10.46	283224	14.33
10	SOIL-1	158466	7.69	573267	10.46	298090	14.33
11	SOIL-2	173746	7.68	642466	10.46	343983	14.33
12	SOIL-3	161347	7.68	585990	10.46	295053	14.33
13	SOIL-4	162609	7.68	593468	10.46	306457	14.33
14	VNJ-209	155923	7.68	556850	10.46	292701	14.33
15	72-11933	178955	7.68	642973	10.46	314304	14.33
16	SOIL-1	190724	7.68	728711	10.46	380845	14.33
17	SOIL-4	199777	7.68	749856	10.46	376453	14.33
18	EXTRA-PILE	204474	7.68	796698	10.46	433213	14.33

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM032724 SAS No.: BM032724 SDG NO.: BM032724

EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 28 2024 12:00AM

Lab File ID: BM044599.D Time Analyzed: 00:47

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.						

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.: BM032724 SAS No.: BM032724 SDG NO.: BM032724

EPA Sample No.: SSTDCCC040 Date Analyzed: Mar 27 2024 12:00AM

Lab File ID: BM044777.D Time Analyzed: 14:29

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	174263	7.686	634531	10.47	319807	14.33
	UPPER LIMIT	348526	8.186	1269062	10.969	639614	14.833
	LOWER LIMIT	87131.5	7.186	317265.5	9.969	159903.5	13.833
	EPA SAMPLE NO.						
01	PB159793BL	210359	7.69	798997	10.47	422531	14.33
02	PB159793BS	179530	7.69	675482	10.47	319866	14.33
03	SOIL-3	150561	7.69	540380	10.46	275504	14.33
04	SOIL-2	152198	7.69	550101	10.46	278875	14.33
05	SOIL-5	171755	7.69	645712	10.46	345040	14.33
06	SOIL-5	169743	7.69	629370	10.46	325719	14.33
07	EXTRA-PILE	166784	7.69	611697	10.46	319858	14.33
08	VNJ-206	172484	7.69	632544	10.46	326274	14.33
09	VNJ-226	160564	7.68	589053	10.46	283224	14.33
10	SOIL-1	158466	7.69	573267	10.46	298090	14.33
11	SOIL-2	173746	7.68	642466	10.46	343983	14.33
12	SOIL-3	161347	7.68	585990	10.46	295053	14.33
13	SOIL-4	162609	7.68	593468	10.46	306457	14.33
14	VNJ-209	155923	7.68	556850	10.46	292701	14.33
15	72-11933	178955	7.68	642973	10.46	314304	14.33
16	SOIL-1	190724	7.68	728711	10.46	380845	14.33
17	SOIL-4	199777	7.68	749856	10.46	376453	14.33
18	EXTRA-PILE	204474	7.68	796698	10.46	433213	14.33

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM032724 SAS No.: BM032724 SDG NO.: BM032724

EPA Sample No.: SSTDCCC040 Date Analyzed: Mar 28 2024 12:00AM

Lab File ID: BM044777.D Time Analyzed: 00:47

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	174263	7.686	634531	10.47	319807	14.33
UPPER LIMIT	348526	8.186	1269062	10.969	639614	14.833
LOWER LIMIT	87131.5	7.186	317265.5	9.969	159903.5	13.833
EPA SAMPLE NO.						

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM032724 SAS No.: BM032724 SDG NO.: BM032724

EPA Sample No.: SSTDICCC040

Date Analyzed: Mar 27 2024 12:00AM

Lab File ID: BM044599.D

Time Analyzed: 14:29

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	PB159793BL	792999	17.09	547584	21.29	644995	23.54
02	PB159793BS	549161	17.09	399560 *	21.29	489904 *	23.54
03	SOIL-3	506501 *	17.09	486983	21.29	588865	23.54
04	SOIL-2	510226 *	17.09	481732	21.29	602519	23.54
05	SOIL-5	610088	17.09	452733	21.29	539569	23.53
06	SOIL-5	565509	17.09	467694	21.29	568513	23.54
07	EXTRA-PILE	545583	17.09	429061 *	21.29	535910	23.54
08	VNJ-206	565699	17.09	500509	21.29	594973	23.54
09	VNJ-226	532908	17.09	431566 *	21.29	195332 *	23.54
10	SOIL-1	527331	17.09	482951	21.29	554651	23.53
11	SOIL-2	594898	17.09	460844	21.29	529867	23.53
12	SOIL-3	502528 *	17.09	446365 *	21.29	519371	23.53
13	SOIL-4	507584 *	17.09	401774 *	21.29	507079 *	23.53
14	VNJ-209	554563	17.09	515540	21.29	632669	23.53
15	72-11933	555410	17.09	513381	21.28	639301	23.53
16	SOIL-1	652567	17.09	481428	21.29	601338	23.53
17	SOIL-4	624755	17.09	527900	21.28	630115	23.53
18	EXTRA-PILE	741120	17.09	546046	21.29	630121	23.53

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM032724 SAS No.: BM032724 SDG NO.: BM032724

EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 28 2024 12:00AM

Lab File ID: BM044599.D Time Analyzed: 00:47

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.						

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BM032724 SAS No.: BM032724 SDG NO.: BM032724EPA Sample No.: SSTDCCC040Date Analyzed: Mar 27 2024 12:00AMLab File ID: BM044777.DTime Analyzed: 14:29Instrument ID: BNA_MGC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	555553	17.092	452680	21.297	574243	23.544
	UPPER LIMIT	1111106	17.592	905360	21.797	1148486	24.044
	LOWER LIMIT	277776.5	16.592	226340	20.797	287121.5	23.044
	EPA SAMPLE NO.						
01	PB159793BL	792999	17.09	547584	21.29	644995	23.54
02	PB159793BS	549161	17.09	399560	21.29	489904	23.54
03	SOIL-3	506501	17.09	486983	21.29	588865	23.54
04	SOIL-2	510226	17.09	481732	21.29	602519	23.54
05	SOIL-5	610088	17.09	452733	21.29	539569	23.53
06	SOIL-5	565509	17.09	467694	21.29	568513	23.54
07	EXTRA-PILE	545583	17.09	429061	21.29	535910	23.54
08	VNJ-206	565699	17.09	500509	21.29	594973	23.54
09	VNJ-226	532908	17.09	431566	21.29	195332 *	23.54
10	SOIL-1	527331	17.09	482951	21.29	554651	23.53
11	SOIL-2	594898	17.09	460844	21.29	529867	23.53
12	SOIL-3	502528	17.09	446365	21.29	519371	23.53
13	SOIL-4	507584	17.09	401774	21.29	507079	23.53
14	VNJ-209	554563	17.09	515540	21.29	632669	23.53
15	72-11933	555410	17.09	513381	21.28	639301	23.53
16	SOIL-1	652567	17.09	481428	21.29	601338	23.53
17	SOIL-4	624755	17.09	527900	21.28	630115	23.53
18	EXTRA-PILE	741120	17.09	546046	21.29	630121	23.53

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM032724 SAS No.: BM032724 SDG NO.: BM032724

EPA Sample No.: SSTDCCC040 Date Analyzed: Mar 28 2024 12:00AM

Lab File ID: BM044777.D Time Analyzed: 00:47

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	555553	17.092	452680	21.297	574243	23.544
UPPER LIMIT	1111106	17.592	905360	21.797	1148486	24.044
LOWER LIMIT	277776.5	16.592	226340	20.797	287121.5	23.044
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



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

SDG No.: BM032724

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB159793BS	n-Nitrosodimethylamine	1700	1800	ug/Kg	106		*		57	103	
	Pyridine	1700	1000	ug/Kg	59				28	98	
	Benzaldehyde	1700	280	ug/Kg	16				10	147	
	Aniline	1700	600	ug/Kg	35		*		38	100	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				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	1500	ug/Kg	88				42	116	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1500	ug/Kg	88				55	104	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1700	ug/Kg	100				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	480	ug/Kg	28				16	100	
	Hexachlorobutadiene	1700	1700	ug/Kg	100		*		53	98	
	Caprolactam	1700	1400	ug/Kg	82				67	110	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				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	1700	ug/Kg	100				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	2900	ug/Kg	88				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	



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

SDG No.: BM032724

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB159793BS	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	2,4-Dinitrotoluene/2,6-Dinitro	3400	3100	ug/Kg	91				60	106	
	Diethylphthalate	1700	1400	ug/Kg	82				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1400	ug/Kg	82				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	1800	ug/Kg	106		*		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	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1400	ug/Kg	82				58	104	
	Fluoranthene	1700	1400	ug/Kg	82				57	107	
	Benzidine	3300	1300	ug/Kg	39				10	98	
	Pyrene	1700	1700	ug/Kg	100				59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	1600	ug/Kg	94		*		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	1400	ug/Kg	82				63	111	
	Di-n-octyl phthalate	1700	1400	ug/Kg	82				70	108	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	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	1800	ug/Kg	106		*		53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	
	1-Methylnaphthalene	1700	1300	ug/Kg	76				70	130	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159793BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM032724SAS No.: BM032724 SDG NO.: BM032724Lab File ID: BM044778.DLab Sample ID: PB159793BLInstrument ID: BNA_MDate Extracted: 03/27/2024Matrix: (soil/water) SolidDate Analyzed: 03/27/2024Level: (low/med) LOWTime Analyzed: 14:29

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159793BS	PB159793BS	BM044779.D	03/27/2024
SOIL-3	P1869-07	BM044780.D	03/27/2024
SOIL-2	P1869-04	BM044781.D	03/27/2024
SOIL-5	P1869-13	BM044782.D	03/27/2024
VNJ-209	P1874-01	BM044791.D	03/27/2024
72-11933	P1874-03	BM044792.D	03/27/2024
SOIL-1	P1869-01	BM044793.D	03/27/2024
SOIL-4	P1869-10	BM044794.D	03/28/2024
EXTRA-PILE	P1870-01	BM044795.D	03/28/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SOIL-5

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM032724SAS No.: BM032724 SDG NO.: BM032724Lab File ID: BM044783.DLab Sample ID: P1869-15Instrument ID: BNA_MDate Extracted: 03/27/2024Matrix: (soil/water) waterDate Analyzed: 03/27/2024Level: (low/med) LOWTime Analyzed: 17:31

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SOIL-5	P1869-15	BM044783.D	03/27/2024
EXTRA-PILE	P1870-03	BM044784.D	03/27/2024
VNJ-206	P1830-07	BM044785.D	03/27/2024
VNJ-226	P1830-08	BM044786.D	03/27/2024
SOIL-1	P1869-03	BM044787.D	03/27/2024
SOIL-2	P1869-06	BM044788.D	03/27/2024
SOIL-3	P1869-09	BM044789.D	03/27/2024
SOIL-4	P1869-12	BM044790.D	03/27/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: BM032724

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1869-01	SOIL-1	BM044793.D	2-Fluorophenol	150	59.48	40		18	112
			Phenol-d6	150	60.36	40		15	107
			Nitrobenzene-d5	100	44.47	44		18	107
			2-Fluorobiphenyl	100	41.92	42		20	109
			2,4,6-Tribromophenol	150	54.04	36		10	110
			Terphenyl-d14	100	40.05	40		14	112
P1869-04	SOIL-2	BM044781.D	2-Fluorophenol	150	79.81	53		18	112
			Phenol-d6	150	73.18	49		15	107
			Nitrobenzene-d5	100	54.96	55		18	107
			2-Fluorobiphenyl	100	47.70	48		20	109
			2,4,6-Tribromophenol	150	82.19	55		10	110
			Terphenyl-d14	100	42.44	42		14	112
P1869-07	SOIL-3	BM044780.D	2-Fluorophenol	150	70.80	47		18	112
			Phenol-d6	150	66.41	44		15	107
			Nitrobenzene-d5	100	49.86	50		18	107
			2-Fluorobiphenyl	100	46.60	47		20	109
			2,4,6-Tribromophenol	150	74.78	50		10	110
			Terphenyl-d14	100	40.11	40		14	112
P1869-10	SOIL-4	BM044794.D	2-Fluorophenol	150	77.10	51		18	112
			Phenol-d6	150	74.49	50		15	107
			Nitrobenzene-d5	100	52.65	53		18	107
			2-Fluorobiphenyl	100	50.36	50		20	109
			2,4,6-Tribromophenol	150	73.80	49		10	110
			Terphenyl-d14	100	43.03	43		14	112
P1869-13	SOIL-5	BM044782.D	2-Fluorophenol	150	64.32	43		18	112
			Phenol-d6	150	63.44	42		15	107
			Nitrobenzene-d5	100	45.26	45		18	107
			2-Fluorobiphenyl	100	42.86	43		20	109
			2,4,6-Tribromophenol	150	63.30	42		10	110
			Terphenyl-d14	100	42.91	43		14	112
P1870-01	EXTRA-PILE	BM044795.D	2-Fluorophenol	150	77.40	52		18	112
			Phenol-d6	150	75.96	51		15	107
			Nitrobenzene-d5	100	51.60	52		18	107
			2-Fluorobiphenyl	100	49.27	49		20	109
			2,4,6-Tribromophenol	150	77.72	52		10	110
			Terphenyl-d14	100	49.31	49		14	112
P1874-01	VNJ-209	BM044791.D	2-Fluorophenol	150	83.26	56		18	112
			Phenol-d6	150	77.52	52		15	107
			Nitrobenzene-d5	100	59.23	59		18	107
			2-Fluorobiphenyl	100	58.20	58		20	109
			2,4,6-Tribromophenol	150	92.33	62		10	110
			Terphenyl-d14	100	53.11	53		14	112
P1874-03	72-11933	BM044792.D	2-Fluorophenol	150	87.39	58		18	112
			Phenol-d6	150	80.66	54		15	107
			Nitrobenzene-d5	100	61.17	61		18	107
			2-Fluorobiphenyl	100	58.83	59		20	109
			2,4,6-Tribromophenol	150	89.89	60		10	110
			Terphenyl-d14	100	47.85	48		14	112
PB159793BL	PB159793BL	BM044778.D	2-Fluorophenol	150	121.59	81		18	112
			Phenol-d6	150	115.44	77		15	107
			Nitrobenzene-d5	100	81.84	82		18	107



Surrogate Summary
SW-846

SDG No.: BM032724

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB159793BL	PB159793BL	BM044778.D	2-Fluorobiphenyl	100	83.21	83		20	109
			2,4,6-Tribromophenol	150	127.82	85		10	110
			Terphenyl-d14	100	91.94	92		14	112
PB159793BS	PB159793BS	BM044779.D	2-Fluorophenol	150	136.36	91		18	112
			Phenol-d6	150	124.73	83		15	107
			Nitrobenzene-d5	100	88.98	89		18	107
			2-Fluorobiphenyl	100	94.54	95		20	109
			2,4,6-Tribromophenol	150	138.45	92		10	110
			Terphenyl-d14	100	94.80	95		14	112

Surrogate Summary

SW-846

SDG No.: BM032724

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1830-07	VNJ-206	BM044785.D	2-Fluorophenol	150	129.90	87		10	139
			Phenol-d6	150	112.30	75		10	134
			Nitrobenzene-d5	100	99.83	100		49	133
			2-Fluorobiphenyl	100	99.52	100		52	132
			2,4,6-Tribromophenol	150	147.83	99		32	145
			Terphenyl-d14	100	93.85	94		36	145
P1830-08	VNJ-226	BM044786.D	2-Fluorophenol	150	134.29	90		10	139
			Phenol-d6	150	113.76	76		10	134
			Nitrobenzene-d5	100	99.40	99		49	133
			2-Fluorobiphenyl	100	107.84	108		52	132
			2,4,6-Tribromophenol	150	162.13	108		32	145
			Terphenyl-d14	100	100.96	101		36	145
P1869-03	SOIL-1	BM044787.D	2-Fluorophenol	150	129.29	86		10	139
			Phenol-d6	150	108.70	72		10	134
			Nitrobenzene-d5	100	100.94	101		49	133
			2-Fluorobiphenyl	100	100.36	100		52	132
			2,4,6-Tribromophenol	150	150.89	101		32	145
			Terphenyl-d14	100	95.45	95		36	145
P1869-06	SOIL-2	BM044788.D	2-Fluorophenol	150	126.46	84		10	139
			Phenol-d6	150	107.30	72		10	134
			Nitrobenzene-d5	100	97.36	97		49	133
			2-Fluorobiphenyl	100	96.22	96		52	132
			2,4,6-Tribromophenol	150	144.18	96		32	145
			Terphenyl-d14	100	98.38	98		36	145
P1869-09	SOIL-3	BM044789.D	2-Fluorophenol	150	131.69	88		10	139
			Phenol-d6	150	110.64	74		10	134
			Nitrobenzene-d5	100	100.23	100		49	133
			2-Fluorobiphenyl	100	100.07	100		52	132
			2,4,6-Tribromophenol	150	138.01	92		32	145
			Terphenyl-d14	100	89.89	90		36	145
P1869-12	SOIL-4	BM044790.D	2-Fluorophenol	150	128.65	86		10	139
			Phenol-d6	150	110.13	73		10	134
			Nitrobenzene-d5	100	97.50	97		49	133
			2-Fluorobiphenyl	100	97.66	98		52	132
			2,4,6-Tribromophenol	150	135.97	91		32	145
			Terphenyl-d14	100	94.97	95		36	145
P1869-15	SOIL-5	BM044783.D	2-Fluorophenol	150	132.85	89		10	139
			Phenol-d6	150	114.96	77		10	134
			Nitrobenzene-d5	100	99.31	99		49	133
			2-Fluorobiphenyl	100	100.22	100		52	132
			2,4,6-Tribromophenol	150	150.99	101		32	145
			Terphenyl-d14	100	97.90	98		36	145
P1870-03	EXTRA-PILE	BM044784.D	2-Fluorophenol	150	138.14	92		10	139
			Phenol-d6	150	120.07	80		10	134
			Nitrobenzene-d5	100	104.72	105		49	133
			2-Fluorobiphenyl	100	103.70	104		52	132
			2,4,6-Tribromophenol	150	153.75	102		32	145
			Terphenyl-d14	100	103.12	103		36	145



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BM032724Lab Code: CHEMSAS No.: BM032724 SDG NO.: BM032724Lab File ID: BM044776.DDFTPP Injection Date: 03/27/2024Instrument ID: BNA_MDFTPP Injection Time: 13:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	49.2
68	Less than 2.0% of mass 69	0.6 (1.3) 1
69	Mass 69 relative abundance	43.5
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	52.3
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 60.0% of mass 198	24.9
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	11.9
442	Greater than 50% of mass 198	75.2
443	15.0 - 24.0% of mass 442	14.8 (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	BM044777.D	03/27/2024	13:52
PB159793BL	PB159793BL	BM044778.D	03/27/2024	14:29
PB159793BS	PB159793BS	BM044779.D	03/27/2024	15:05
SOIL-3	P1869-07	BM044780.D	03/27/2024	15:41
SOIL-2	P1869-04	BM044781.D	03/27/2024	16:18
SOIL-5	P1869-13	BM044782.D	03/27/2024	16:54
SOIL-5	P1869-15	BM044783.D	03/27/2024	17:31
EXTRA-PILE	P1870-03	BM044784.D	03/27/2024	18:07
VNJ-206	P1830-07	BM044785.D	03/27/2024	18:44
VNJ-226	P1830-08	BM044786.D	03/27/2024	19:20
SOIL-1	P1869-03	BM044787.D	03/27/2024	19:56
SOIL-2	P1869-06	BM044788.D	03/27/2024	20:33
SOIL-3	P1869-09	BM044789.D	03/27/2024	21:09
SOIL-4	P1869-12	BM044790.D	03/27/2024	21:46
VNJ-209	P1874-01	BM044791.D	03/27/2024	22:22
72-11933	P1874-03	BM044792.D	03/27/2024	22:58
SOIL-1	P1869-01	BM044793.D	03/27/2024	23:34
SOIL-4	P1869-10	BM044794.D	03/28/2024	00:11
EXTRA-PILE	P1870-01	BM044795.D	03/28/2024	00:47