

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM062824 SAS No.: BM062824 SDG No.: BM062824
Instrument ID: BNA_M Calibration Date/Time: 6/28/2024 1:09:37
Lab File ID: BM046345.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	1.038	1.097		5.684	
Pyridine	1.341	1.410		5.145	
2-Fluorophenol	1.244	1.266		1.768	
Benzaldehyde	1.096	1.055		-3.741	
Aniline	1.605	1.702		6.044	
Phenol-d6	1.768	1.802		1.923	
Phenol	1.749	1.792		2.459	20.0
bis(2-Chloroethyl) ether	1.420	1.455		2.465	
2-Chlorophenol	1.386	1.413		1.948	
1,2-Dichlorobenzene	1.559	1.578		1.219	
1,3-Dichlorobenzene	1.537	1.565		1.822	
1,4-Dichlorobenzene	1.581	1.592		0.696	20.0
Benzyl Alcohol	1.453	1.544		6.263	
2-Methylphenol	1.220	1.243		1.885	
2,2-oxybis(1-Chloropropane)	2.417	2.475		2.4	
Acetophenone	0.559	0.557		-0.358	
3+4-Methylphenols	1.769	1.829		3.392	
n-Nitroso-di-n-propylamine	1.342	1.449	0.050	7.973	
Nitrobenzene-d5	0.482	0.480		-0.415	
Hexachloroethane	0.712	0.732		2.809	
Nitrobenzene	0.474	0.476		0.422	
Isophorone	0.818	0.805		-1.589	
2-Nitrophenol	0.170	0.173		1.765	20.0
2,4-Dimethylphenol	0.213	0.216		1.408	
bis(2-Chloroethoxy) methane	0.452	0.453		0.221	
2,4-Dichlorophenol	0.287	0.294		2.439	20.0
1,2,4-Trichlorobenzene	0.325	0.320		-1.538	
Benzoic acid	0.241	0.245		1.66	
Naphthalene	1.096	1.090		-0.547	
4-Chloroaniline	0.384	0.390		1.563	
Hexachlorobutadiene	0.200	0.202		1.0	20.0
Caprolactam	0.105	0.110		4.762	
4-Chloro-3-methylphenol	0.357	0.363		1.681	20.0
2-Methylnaphthalene	0.739	0.735		-0.541	
Hexachlorocyclopentadiene	0.209	0.206	0.050	-1.435	
2,4,6-Trichlorophenol	0.354	0.364		2.825	20.0
2-Fluorobiphenyl	1.476	1.478		0.136	
2,4,5-Trichlorophenol	0.408	0.409		0.245	
1,1-Biphenyl	1.497	1.471		-1.737	

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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM062824 SAS No.: BM062824 SDG No.: BM062824

Instrument ID: BNA_M Calibration Date/Time: 6/28/2024 1:09:37

Lab File ID: BM046345.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
2-Chloronaphthalene	1.162	1.144		-1.549	
2-Nitroaniline	0.461	0.473		2.603	
Dimethylphthalate	1.462	1.451		-0.752	
Acenaphthylene	1.792	1.791		-0.056	
2,6-Dinitrotoluene	0.326	0.326		0.0	
3-Nitroaniline	0.329	0.340		3.343	
Acenaphthene	1.114	1.093		-1.885	20.0
2,4-Dinitrophenol	0.169	0.169	0.050	0.0	
4-Nitrophenol	0.245	0.252	0.050	2.857	
Dibenzofuran	1.785	1.766		-1.064	
2,4-Dinitrotoluene	0.471	0.481		2.123	
Diethylphthalate	1.608	1.603		-0.311	
4-Chlorophenyl-phenylether	0.711	0.705		-0.844	
Fluorene	1.527	1.516		-0.72	
4-Nitroaniline	0.323	0.346		7.121	
4,6-Dinitro-2-methylphenol	0.119	0.119		0.0	
n-Nitrosodiphenylamine	0.581	0.569		-2.065	20.0
Azobenzene	1.917	1.946		1.513	
2,4,6-Tribromophenol	0.243	0.252		3.704	
4-Bromophenyl-phenylether	0.204	0.200		-1.961	
Hexachlorobenzene	0.241	0.235		-2.49	
Atrazine	0.161	0.190		18.012	
Pentachlorophenol	0.152	0.160		5.263	20.0
Phenanthrene	1.064	1.049		-1.41	
Anthracene	1.035	1.026		-0.87	
Carbazole	1.019	1.028		0.883	
Di-n-butylphthalate	1.370	1.402		2.336	
Fluoranthene	1.258	1.276		1.431	20.0
Benzidine	0.208	0.147		-29.327	
Pyrene	1.389	1.347		-3.024	
Terphenyl-d14	1.209	1.170		-3.226	
Butylbenzylphthalate	0.654	0.654		0.0	
3,3-Dichlorobenzidine	0.421	0.431		2.375	
Benzo(a)anthracene	1.312	1.307		-0.381	
Chrysene	1.255	1.238		-1.355	
Bis(2-ethylhexyl)phthalate	1.019	1.038		1.865	
Di-n-octyl phthalate	1.652	1.694		2.542	20.0
Benzo(b)fluoranthene	1.185	1.195		0.844	
Benzo(k)fluoranthene	1.178	1.174		-0.34	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BM062824 SAS No.: BM062824 SDG No.: BM062824
 Instrument ID: BNA_M Calibration Date/Time: 6/28/2024 1:09:37
 Lab File ID: BM046345.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
Benzo(a)pyrene	1.040	1.055		1.442	20.0
Indeno(1,2,3-cd)pyrene	1.283	1.318		2.728	
Dibenzo(a,h)anthracene	1.071	1.105		3.175	
Benzo(g,h,i)perylene	1.061	1.095		3.205	
1,2,4,5-Tetrachlorobenzene	0.534	0.521		-2.434	
1,4-Dioxane	0.480	0.478		-0.417	20.0
2,3,4,6-Tetrachlorophenol	0.344	0.347		0.872	
1-Methylnaphthalene	0.731	0.717		-1.915	

All other compounds must meet a minimum RRF of 0.010.



Client:				Date Collected:	6/27/2024 12:00:00 AM	
Project:				Date Received:	6/27/2024 12:00:00 AM	
Client Sample ID:	PB161765BL			SDG No.:	BM062824	
Lab Sample ID:	PB161765BL			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
BM046346.D	1	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

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

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	PB161765BL	SDG No.:	BM062824
Lab Sample ID:	PB161765BL	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
BM046346.D	1	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

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

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	PB161765BL	SDG No.:	BM062824
Lab Sample ID:	PB161765BL	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
BM046346.D	1	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	84	U	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83	U	83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	130	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	147.706		18-112		98	SPK: -150
13127-88-3	Phenol-d6	130.024		15-107		87	SPK: -150
4165-60-0	Nitrobenzene-d5	81.034		18-107		81	SPK: -100
321-60-8	2-Fluorobiphenyl	78.766		20-109		79	SPK: -100

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	PB161765BL	SDG No.:	BM062824
Lab Sample ID:	PB161765BL	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
BM046346.D	1	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	130.733		10-110		87	SPK: -150
1718-51-0	Terphenyl-d14	84.357		14-112		84	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	71062	7.375				
1146-65-2	Naphthalene-d8	282914	10.151				
15067-26-2	Acenaphthene-d10	181506	14.033				
1517-22-2	Phenanthrene-d10	391796	16.786				
1719-03-5	Chrysene-d12	364180	21.003				
1520-96-3	Perylene-d12	444828	23.674				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	240	A			4.598	

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	PB161765BS	SDG No.:	BM062824
Lab Sample ID:	PB161765BS	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
BM046347.D	1	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1600		86.7	270	330	ug/Kg
110-86-1	Pyridine	1200		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	1100		96.8	130	170	ug/Kg
108-95-2	Phenol	1900		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1800		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1800		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1800		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1800		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.7	130	170	ug/Kg
78-59-1	Isophorone	1500		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1500		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	910		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	PB161765BS	SDG No.:	BM062824
Lab Sample ID:	PB161765BS	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
BM046347.D	1	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1700		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4000	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	1700		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1700		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1600		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1700		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	1200		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1600		81	130	170	ug/Kg
Total PAH	Total PAH	27300		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3300	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3500	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1600		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3300		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1600		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		85.5	130	170	ug/Kg
86-73-7	Fluorene	1600		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1600		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	1700		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1900		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	PB161765BS	SDG No.:	BM062824
Lab Sample ID:	PB161765BS	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
BM046347.D	1	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3600	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1700		83.9	130	170	ug/Kg
120-12-7	Anthracene	1700		84.3	130	170	ug/Kg
86-74-8	Carbazole	1700		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1600		81.6	130	170	ug/Kg
92-87-5	Benzidine	1500		160	270	330	ug/Kg
129-00-0	Pyrene	1500		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1500		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1700		80.6	130	170	ug/Kg
218-01-9	Chrysene	1700		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1700		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1800		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1900		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	1700		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1300		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1500		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	169.693	*	18-112		113	SPK: -150
13127-88-3	Phenol-d6	163.615	*	15-107		109	SPK: -150
4165-60-0	Nitrobenzene-d5	87.383		18-107		87	SPK: -100
321-60-8	2-Fluorobiphenyl	86.961		20-109		87	SPK: -100

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	PB161765BS	SDG No.:	BM062824
Lab Sample ID:	PB161765BS	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
BM046347.D	1	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	156.311		10-110		104	SPK: -150
1718-51-0	Terphenyl-d14	87.424		14-112		87	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	71082	7.369				
1146-65-2	Naphthalene-d8	341375	10.128				
15067-26-2	Acenaphthene-d10	231491	14.016				
1517-22-2	Phenanthrene-d10	490497	16.774				
1719-03-5	Chrysene-d12	504829	20.992				
1520-96-3	Perylene-d12	576222	23.668				

Report of Analysis

Client:		Date Collected:	6/21/2024 12:00:00 AM
Project:		Date Received:	6/21/2024 12:00:00 AM
Client Sample ID:	PB161624BS	SDG No.:	BM062824
Lab Sample ID:	PB161624BS	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
BM046348.D	1	6/21/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		86.8	270	330	ug/Kg
110-86-1	Pyridine	1100		79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	1100		96.9	130	170	ug/Kg
108-95-2	Phenol	1800		82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1700		83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1400		84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1400		86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1400		86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1700		83	270	330	ug/Kg
95-48-7	2-Methylphenol	1700		80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		90.9	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1700		79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	1400		83	130	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.8	130	170	ug/Kg
78-59-1	Isophorone	1500		84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400		85.4	130	170	ug/Kg
65-85-0	Benzoic acid	1500		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	890		82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1300		83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	6/21/2024 12:00:00 AM
Project:		Date Received:	6/21/2024 12:00:00 AM
Client Sample ID:	PB161624BS	SDG No.:	BM062824
Lab Sample ID:	PB161624BS	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
BM046348.D	1	6/21/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1700		86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3700	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	1700		95	130	170	ug/Kg
131-11-3	Dimethylphthalate	1600		81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	1700		86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	1200		89.2	130	170	ug/Kg
83-32-9	Acenaphthene	1500		81.1	130	170	ug/Kg
Total PAH	Total PAH	26000		1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3300	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3500	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.4	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3100		169.4	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.2	130	170	ug/Kg
84-66-2	Diethylphthalate	1600		80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.6	130	170	ug/Kg
86-73-7	Fluorene	1500		85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	1600		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.6	130	170	ug/Kg
103-33-3	Azobenzene	1600		79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		85	130	170	ug/Kg
1912-24-9	Atrazine	1800		91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	6/21/2024 12:00:00 AM
Project:		Date Received:	6/21/2024 12:00:00 AM
Client Sample ID:	PB161624BS	SDG No.:	BM062824
Lab Sample ID:	PB161624BS	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
BM046348.D	1	6/21/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3400	E	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	1600		84	130	170	ug/Kg
120-12-7	Anthracene	1600		84.4	130	170	ug/Kg
86-74-8	Carbazole	1600		80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		84.3	130	170	ug/Kg
206-44-0	Fluoranthene	1600		81.7	130	170	ug/Kg
92-87-5	Benzidine	1500		160	270	330	ug/Kg
129-00-0	Pyrene	1400		83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.7	130	170	ug/Kg
218-01-9	Chrysene	1600		79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400		91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1700		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1800		93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	159.833		18-112		107	SPK: -150
13127-88-3	Phenol-d6	154.213		15-107		103	SPK: -150
4165-60-0	Nitrobenzene-d5	83.037		18-107		83	SPK: -100
321-60-8	2-Fluorobiphenyl	82.626		20-109		83	SPK: -100

Report of Analysis

Client:		Date Collected:	6/21/2024 12:00:00 AM
Project:		Date Received:	6/21/2024 12:00:00 AM
Client Sample ID:	PB161624BS	SDG No.:	BM062824
Lab Sample ID:	PB161624BS	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
BM046348.D	1	6/21/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	147.297		10-110		98	SPK: -150
1718-51-0	Terphenyl-d14	81.369		14-112		81	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	71858	7.369				
1146-65-2	Naphthalene-d8	335507	10.128				
15067-26-2	Acenaphthene-d10	228125	14.016				
1517-22-2	Phenanthrene-d10	489411	16.774				
1719-03-5	Chrysene-d12	527959	20.997				
1520-96-3	Perylene-d12	604651	23.668				

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	7-S-1	SDG No.:	BM062824
Lab Sample ID:	P3076-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.8
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
BM046349.D	1	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	96.2	U	96.2	300	370	ug/Kg
110-86-1	Pyridine	88.6	U	88.6	140	190	ug/Kg
100-52-7	Benzaldehyde	200	U	200	300	370	ug/Kg
62-53-3	Aniline	110	U	110	140	190	ug/Kg
108-95-2	Phenol	91.9	U	91.9	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	92.8	U	92.8	140	190	ug/Kg
95-57-8	2-Chlorophenol	92.5	U	92.5	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	93.8	U	93.8	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	95.3	U	95.3	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	95.9	U	95.9	140	190	ug/Kg
100-51-6	Benzyl Alcohol	92	U	92	300	370	ug/Kg
95-48-7	2-Methylphenol	89.3	U	89.3	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	140	190	ug/Kg
98-86-2	Acetophenone	96.3	U	96.3	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	88.4	U	88.4	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	44.7	U	44.7	88.7	88.7	ug/Kg
67-72-1	Hexachloroethane	92	U	92	140	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	140	190	ug/Kg
78-59-1	Isophorone	93.8	U	93.8	140	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	95.1	U	95.1	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	83.7	U	83.7	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	94.6	U	94.6	140	190	ug/Kg
65-85-0	Benzoic acid	260	U	260	300	370	ug/Kg
91-20-3	Naphthalene	91.5	U	91.5	140	190	ug/Kg
106-47-8	4-Chloroaniline	91.5	U	91.5	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	92.3	U	92.3	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	7-S-1	SDG No.:	BM062824
Lab Sample ID:	P3076-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.8
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
BM046349.D	1	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	96.2	U	96.2	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	85.9	U	85.9	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	91.4	U	91.4	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	79.1	U	79.1	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	82	U	82	140	190	ug/Kg
92-52-4	1,1-Biphenyl	96.9	U	96.9	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	92.3	U	92.3	140	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	190	ug/Kg
131-11-3	Dimethylphthalate	90.5	U	90.5	140	190	ug/Kg
208-96-8	Acenaphthylene	95.9	U	95.9	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	92.2	U	92.2	140	190	ug/Kg
99-09-2	3-Nitroaniline	98.9	U	98.9	140	190	ug/Kg
83-32-9	Acenaphthene	89.9	U	89.9	140	190	ug/Kg
Total PAH	Total PAH	1465.5	U	1465.5	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	300	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	370	ug/Kg
132-64-9	Dibenzofuran	93.5	U	93.5	140	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	95.5	U	95.5	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	87.7	U	187.7	140	380	ug/Kg
84-66-2	Diethylphthalate	88.8	U	88.8	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	94.9	U	94.9	140	190	ug/Kg
86-73-7	Fluorene	94.8	U	94.8	140	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	90.4	U	90.4	140	190	ug/Kg
103-33-3	Azobenzene	88.2	U	88.2	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	87.4	U	87.4	140	190	ug/Kg
118-74-1	Hexachlorobenzene	94.2	U	94.2	140	190	ug/Kg
1912-24-9	Atrazine	100	U	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	7-S-1	SDG No.:	BM062824
Lab Sample ID:	P3076-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.8
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
BM046349.D	1	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	85.7	U	85.7	300	370	ug/Kg
85-01-8	Phenanthrene	93.1	U	93.1	140	190	ug/Kg
120-12-7	Anthracene	93.5	U	93.5	140	190	ug/Kg
86-74-8	Carbazole	89	U	89	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	93.4	U	93.4	140	190	ug/Kg
206-44-0	Fluoranthene	95.1	J	90.5	140	190	ug/Kg
92-87-5	Benzidine	180	U	180	300	370	ug/Kg
129-00-0	Pyrene	100	J	92	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	89.4	U	89.4	140	190	ug/Kg
218-01-9	Chrysene	88.1	U	88.1	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	J	100	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	89.9	U	89.9	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	91.5	U	91.5	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	86.6	U	86.6	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	90	U	90	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	88.8	U	88.8	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	96.2	U	96.2	140	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.8	U	82.8	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	92.2	U	92.2	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	91.101		18-112		61	SPK: -150
13127-88-3	Phenol-d6	82.799		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	52.68		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	46.607		20-109		47	SPK: -100

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	7-S-1	SDG No.:	BM062824
Lab Sample ID:	P3076-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.8
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
BM046349.D	1	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	84.223		10-110		56	SPK: -150
1718-51-0	Terphenyl-d14	53.089		14-112		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	119708	7.369				
1146-65-2	Naphthalene-d8	470683	10.139				
15067-26-2	Acenaphthene-d10	282811	14.022				
1517-22-2	Phenanthrene-d10	561315	16.774				
1719-03-5	Chrysene-d12	457522	20.992				
1520-96-3	Perylene-d12	470744	23.662				
TENTATIVE IDENTIFIED COMPOUNDS							
000067-63-0	Isopropyl Alcohol	100	J			3.293	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	170	A			4.593	
000770-35-4	1-Phenoxypropan-2-ol	90.5	J			10.945	
	unknown17.145	82	J			17.145	
000057-10-3	n-Hexadecanoic acid	590	J			17.71	
000057-11-4	Octadecanoic acid	250	J			18.998	
013475-76-8	Docosane, 11-butyl-	110	J			19.745	
000112-95-8	Eicosane	79.8	J			20.551	
034303-81-6	3-Hexadecene, (Z)-	180	J			20.709	
000482-89-3	Indigo	260	J			21.962	
007683-64-9	Supraene	110	J			22.403	

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	7-S-1MS	SDG No.:	BM062824
Lab Sample ID:	P3076-10MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.8
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046350.D	1	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1600		96.1	300	370	ug/Kg
110-86-1	Pyridine	1400		88.5	140	190	ug/Kg
100-52-7	Benzaldehyde	340	J	200	300	370	ug/Kg
62-53-3	Aniline	1100		110	140	190	ug/Kg
108-95-2	Phenol	1800		91.8	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		92.7	140	190	ug/Kg
95-57-8	2-Chlorophenol	1800		92.4	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		93.7	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		95.2	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		95.8	140	190	ug/Kg
100-51-6	Benzyl Alcohol	1700		91.9	300	370	ug/Kg
95-48-7	2-Methylphenol	1700		89.2	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		100	140	190	ug/Kg
98-86-2	Acetophenone	1500		96.2	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	1700		88.4	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		44.6	88.6	88.6	ug/Kg
67-72-1	Hexachloroethane	1600		91.9	140	190	ug/Kg
98-95-3	Nitrobenzene	1600		100	140	190	ug/Kg
78-59-1	Isophorone	1600		93.7	140	190	ug/Kg
88-75-5	2-Nitrophenol	1800		100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	2000		100	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		95	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		83.6	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1700		94.6	140	190	ug/Kg
65-85-0	Benzoic acid	1500		260	300	370	ug/Kg
91-20-3	Naphthalene	1600		91.5	140	190	ug/Kg
106-47-8	4-Chloroaniline	660		91.5	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	1600		92.2	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	7-S-1MS	SDG No.:	BM062824
Lab Sample ID:	P3076-10MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046350.D	1	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1500		96.1	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		85.8	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	1600		91.3	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4300	E	170	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		79.1	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		81.9	140	190	ug/Kg
92-52-4	1,1-Biphenyl	1600		96.8	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	1700		92.2	140	190	ug/Kg
88-74-4	2-Nitroaniline	1800		110	140	190	ug/Kg
131-11-3	Dimethylphthalate	1700		90.5	140	190	ug/Kg
208-96-8	Acenaphthylene	1900		95.8	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		92.1	140	190	ug/Kg
99-09-2	3-Nitroaniline	1200		98.8	140	190	ug/Kg
83-32-9	Acenaphthene	1700		89.8	140	190	ug/Kg
Total PAH	Total PAH	28900		1464.3	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	2900		270	300	370	ug/Kg
100-02-7	4-Nitrophenol	3300	E	130	300	370	ug/Kg
132-64-9	Dibenzofuran	1700		93.4	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3300		187.5	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		95.4	140	190	ug/Kg
84-66-2	Diethylphthalate	1700		88.7	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		94.8	140	190	ug/Kg
86-73-7	Fluorene	1700		94.7	140	190	ug/Kg
100-01-6	4-Nitroaniline	1600		120	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		130	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		90.3	140	190	ug/Kg
103-33-3	Azobenzene	1700		88.1	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		87.4	140	190	ug/Kg
118-74-1	Hexachlorobenzene	1700		94.1	140	190	ug/Kg
1912-24-9	Atrazine	2100		100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	7-S-1MS	SDG No.:	BM062824
Lab Sample ID:	P3076-10MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046350.D	1	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3600	E	85.6	300	370	ug/Kg
85-01-8	Phenanthrene	1800		93	140	190	ug/Kg
120-12-7	Anthracene	1800		93.4	140	190	ug/Kg
86-74-8	Carbazole	1700		88.9	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	1900		93.3	140	190	ug/Kg
206-44-0	Fluoranthene	1700		90.5	140	190	ug/Kg
92-87-5	Benzidine	4500	E	180	300	370	ug/Kg
129-00-0	Pyrene	2100		91.9	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	2200		110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		110	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	1800		89.3	140	190	ug/Kg
218-01-9	Chrysene	1800		88	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		100	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	2000		120	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		89.8	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	1800		91.5	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	1900		100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1900		86.5	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		89.9	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1800		88.7	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		96.1	140	190	ug/Kg
123-91-1	1,4-Dioxane	1400		120	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		82.7	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	1500		92.1	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	92.143		18-112		61	SPK: -150
13127-88-3	Phenol-d6	85.345		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	50.668		18-107		51	SPK: -100
321-60-8	2-Fluorobiphenyl	45.777		20-109		46	SPK: -100

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	7-S-1MS	SDG No.:	BM062824
Lab Sample ID:	P3076-10MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046350.D	1	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	85.003		10-110		57	SPK: -150
1718-51-0	Terphenyl-d14	50.531		14-112		51	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	135032	7.369				
1146-65-2	Naphthalene-d8	579089	10.122				
15067-26-2	Acenaphthene-d10	352305	14.016				
1517-22-2	Phenanthrene-d10	699168	16.768				
1719-03-5	Chrysene-d12	550418	20.992				
1520-96-3	Perylene-d12	539540	23.662				

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	7-S-1MSD	SDG No.:	BM062824
Lab Sample ID:	P3076-10MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046351.D	1	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1700		96	300	370	ug/Kg
110-86-1	Pyridine	1500		88.4	140	190	ug/Kg
100-52-7	Benzaldehyde	350	J	200	300	370	ug/Kg
62-53-3	Aniline	1300		110	140	190	ug/Kg
108-95-2	Phenol	1900		91.7	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1800		92.6	140	190	ug/Kg
95-57-8	2-Chlorophenol	1800		92.4	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		93.6	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	1700		95.2	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	1700		95.7	140	190	ug/Kg
100-51-6	Benzyl Alcohol	1700		91.8	300	370	ug/Kg
95-48-7	2-Methylphenol	1800		89.2	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		100	140	190	ug/Kg
98-86-2	Acetophenone	1600		96.1	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	1700		88.3	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		44.6	88.5	88.5	ug/Kg
67-72-1	Hexachloroethane	1600		91.8	140	190	ug/Kg
98-95-3	Nitrobenzene	1600		100	140	190	ug/Kg
78-59-1	Isophorone	1700		93.6	140	190	ug/Kg
88-75-5	2-Nitrophenol	1900		100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	2000		100	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		94.9	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		83.5	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1700		94.5	140	190	ug/Kg
65-85-0	Benzoic acid	1500		260	300	370	ug/Kg
91-20-3	Naphthalene	1700		91.4	140	190	ug/Kg
106-47-8	4-Chloroaniline	770		91.4	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	1600		92.2	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	7-S-1MSD	SDG No.:	BM062824
Lab Sample ID:	P3076-10MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.8
Sample Wt/Vol:	30.06	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
BM046351.D	1	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1600		96	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		85.7	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	1700		91.3	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4000	E	170	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		79	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		81.9	140	190	ug/Kg
92-52-4	1,1-Biphenyl	1600		96.7	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	1700		92.2	140	190	ug/Kg
88-74-4	2-Nitroaniline	1800		110	140	190	ug/Kg
131-11-3	Dimethylphthalate	1800		90.4	140	190	ug/Kg
208-96-8	Acenaphthylene	1900		95.7	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		92.1	140	190	ug/Kg
99-09-2	3-Nitroaniline	1300		98.7	140	190	ug/Kg
83-32-9	Acenaphthene	1700		89.7	140	190	ug/Kg
Total PAH	Total PAH	29600		1463.1	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	2900		270	300	370	ug/Kg
100-02-7	4-Nitrophenol	3500	E	130	300	370	ug/Kg
132-64-9	Dibenzofuran	1800		93.4	140	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		95.4	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3400		187.5	140	380	ug/Kg
84-66-2	Diethylphthalate	1800		88.6	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		94.7	140	190	ug/Kg
86-73-7	Fluorene	1800		94.6	140	190	ug/Kg
100-01-6	4-Nitroaniline	1700		120	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		130	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		90.3	140	190	ug/Kg
103-33-3	Azobenzene	1800		88.1	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		87.3	140	190	ug/Kg
118-74-1	Hexachlorobenzene	1700		94	140	190	ug/Kg
1912-24-9	Atrazine	2100		100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	7-S-1MSD	SDG No.:	BM062824
Lab Sample ID:	P3076-10MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046351.D	1	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3700	E	85.5	300	370	ug/Kg
85-01-8	Phenanthrene	1900		92.9	140	190	ug/Kg
120-12-7	Anthracene	1900		93.4	140	190	ug/Kg
86-74-8	Carbazole	1800		88.8	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	1900		93.3	140	190	ug/Kg
206-44-0	Fluoranthene	1800		90.4	140	190	ug/Kg
92-87-5	Benzidine	5100	E	180	300	370	ug/Kg
129-00-0	Pyrene	2100		91.8	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	2300		110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1600		110	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	1900		89.3	140	190	ug/Kg
218-01-9	Chrysene	1800		88	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2100		100	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	2100		120	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		89.7	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	1900		91.4	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	1900		100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1900		86.4	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		89.8	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1800		88.6	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		96	140	190	ug/Kg
123-91-1	1,4-Dioxane	1400		120	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		82.7	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	1600		92.1	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	93.836		18-112		63	SPK: -150
13127-88-3	Phenol-d6	87.296		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	51.758		18-107		52	SPK: -100
321-60-8	2-Fluorobiphenyl	46.559		20-109		47	SPK: -100

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	7-S-1MSD	SDG No.:	BM062824
Lab Sample ID:	P3076-10MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046351.D	1	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	88.429		10-110		59	SPK: -150
1718-51-0	Terphenyl-d14	51.312		14-112		51	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	136658	7.369				
1146-65-2	Naphthalene-d8	584856	10.122				
15067-26-2	Acenaphthene-d10	353848	14.016				
1517-22-2	Phenanthrene-d10	715482	16.768				
1719-03-5	Chrysene-d12	584643	20.997				
1520-96-3	Perylene-d12	560170	23.662				



Client:				Date Collected:	6/24/2024 12:00:00 AM	
Project:				Date Received:	6/24/2024 12:00:00 AM	
Client Sample ID:	EO-01-062424			SDG No.:	BM062824	
Lab Sample ID:	P3047-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	5	
Sample Wt/Vol:	50.08	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046352.D	10	6/25/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161686

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

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	EO-01-062424	SDG No.:	BM062824
Lab Sample ID:	P3047-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046352.D	10	6/25/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161686

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	550	U	550	1700	2100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	490	U	490	820	1100	ug/Kg
91-57-6	2-Methylnaphthalene	520	U	520	820	1100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	980	U	980	1700	2100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	450	U	450	820	1100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	470	U	470	820	1100	ug/Kg
92-52-4	1,1-Biphenyl	550	U	550	820	1100	ug/Kg
91-58-7	2-Chloronaphthalene	530	U	530	820	1100	ug/Kg
88-74-4	2-Nitroaniline	600	U	600	820	1100	ug/Kg
131-11-3	Dimethylphthalate	520	U	520	820	1100	ug/Kg
208-96-8	Acenaphthylene	550	U	550	820	1100	ug/Kg
606-20-2	2,6-Dinitrotoluene	520	U	520	820	1100	ug/Kg
99-09-2	3-Nitroaniline	560	U	560	820	1100	ug/Kg
83-32-9	Acenaphthene	510	U	510	820	1100	ug/Kg
Total PAH	Total PAH	8940	U	8360	820	17600	ug/Kg
51-28-5	2,4-Dinitrophenol	1500	U	1500	1700	2100	ug/Kg
100-02-7	4-Nitrophenol	730	U	730	1700	2100	ug/Kg
132-64-9	Dibenzofuran	530	U	530	820	1100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1060	U	1060	820	2200	ug/Kg
121-14-2	2,4-Dinitrotoluene	540	U	540	820	1100	ug/Kg
84-66-2	Diethylphthalate	510	U	510	820	1100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	540	U	540	820	1100	ug/Kg
86-73-7	Fluorene	540	U	540	820	1100	ug/Kg
100-01-6	4-Nitroaniline	670	U	670	820	1100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	740	U	740	1700	2100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	510	U	510	820	1100	ug/Kg
103-33-3	Azobenzene	500	U	500	820	1100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	500	U	500	820	1100	ug/Kg
118-74-1	Hexachlorobenzene	540	U	540	820	1100	ug/Kg
1912-24-9	Atrazine	580	U	580	820	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	EO-01-062424	SDG No.:	BM062824
Lab Sample ID:	P3047-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046352.D	10	6/25/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161686

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	490	U	490	1700	2100	ug/Kg
85-01-8	Phenanthrene	1500		530	820	1100	ug/Kg
120-12-7	Anthracene	530	U	530	820	1100	ug/Kg
86-74-8	Carbazole	510	U	510	820	1100	ug/Kg
84-74-2	Di-n-butylphthalate	530	U	530	820	1100	ug/Kg
206-44-0	Fluoranthene	1100		520	820	1100	ug/Kg
92-87-5	Benzidine	1000	U	1000	1700	2100	ug/Kg
129-00-0	Pyrene	2300		520	820	1100	ug/Kg
85-68-7	Butylbenzylphthalate	610	U	610	820	1100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	620	U	620	1700	2100	ug/Kg
56-55-3	Benzo(a)anthracene	900	J	510	820	1100	ug/Kg
218-01-9	Chrysene	1000	J	500	820	1100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	610	J	570	820	1100	ug/Kg
117-84-0	Di-n-octyl phthalate	690	U	690	1700	2100	ug/Kg
205-99-2	Benzo(b)fluoranthene	770	J	510	820	1100	ug/Kg
207-08-9	Benzo(k)fluoranthene	520	U	520	820	1100	ug/Kg
50-32-8	Benzo(a)pyrene	830	J	590	820	1100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	490	U	490	820	1100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	510	U	510	820	1100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	540	J	510	820	1100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	550	U	550	820	1100	ug/Kg
123-91-1	1,4-Dioxane	690	U	690	820	1100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	470	U	470	820	1100	ug/Kg
90-12-0	1-Methylnaphthalene	520	U	520	1100	1100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	103.91		18-112		69	SPK: -150
13127-88-3	Phenol-d6	93.53		15-107		62	SPK: -150
4165-60-0	Nitrobenzene-d5	56.92		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	65.19		20-109		65	SPK: -100

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	EO-01-062424	SDG No.:	BM062824
Lab Sample ID:	P3047-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046352.D	10	6/25/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161686

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	79.81		10-110		53	SPK: -150
1718-51-0	Terphenyl-d14	75.75		14-112		76	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	143990	7.375				
1146-65-2	Naphthalene-d8	590298	10.139				
15067-26-2	Acenaphthene-d10	332046	14.021				
1517-22-2	Phenanthrene-d10	624413	16.774				
1719-03-5	Chrysene-d12	423111	20.991				
1520-96-3	Perylene-d12	475420	23.662				
TENTATIVE IDENTIFIED COMPOUNDS							
000259-79-0	Biphenylene	420	J			13.745	
002531-84-2	Phenanthrene, 2-methyl-	690	J			17.645	
000832-69-9	Phenanthrene, 1-methyl-	1300	J			17.698	
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	1200	J			17.839	
000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,9b	710	J			17.88	
003674-66-6	Phenanthrene, 2,5-dimethyl-	760	J			18.574	
	unknown	18.645	J			18.645	
002381-21-7	Pyrene, 1-methyl-	610	J			19.544	
000243-17-4	11H-Benzo[b]fluorene	520	J			19.709	
033543-31-6	Fluoranthene, 2-methyl-	470	J			19.868	

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	EO-01-062424MS	SDG No.:	BM062824
Lab Sample ID:	P3047-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046353.D	10	6/25/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161686

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	890	J	550	1700	2100	ug/Kg
110-86-1	Pyridine	730	J	500	820	1100	ug/Kg
100-52-7	Benzaldehyde	1100	U	1100	1700	2100	ug/Kg
62-53-3	Aniline	650	J	610	820	1100	ug/Kg
108-95-2	Phenol	980	J	520	820	1100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000	J	530	820	1100	ug/Kg
95-57-8	2-Chlorophenol	1000	J	530	820	1100	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000	J	530	820	1100	ug/Kg
541-73-1	1,3-Dichlorobenzene	990	J	540	820	1100	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000	J	550	820	1100	ug/Kg
100-51-6	Benzyl Alcohol	820	J	520	1700	2100	ug/Kg
95-48-7	2-Methylphenol	970	J	510	820	1100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		570	820	1100	ug/Kg
98-86-2	Acetophenone	880	J	550	820	1100	ug/Kg
65794-96-9	3+4-Methylphenols	890	J	500	1700	2100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	890		250	500	500	ug/Kg
67-72-1	Hexachloroethane	960	J	520	820	1100	ug/Kg
98-95-3	Nitrobenzene	920	J	570	820	1100	ug/Kg
78-59-1	Isophorone	960	J	530	820	1100	ug/Kg
88-75-5	2-Nitrophenol	900	J	600	820	1100	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		590	820	1100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	970	J	540	820	1100	ug/Kg
120-83-2	2,4-Dichlorophenol	920	J	480	820	1100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	990	J	540	820	1100	ug/Kg
65-85-0	Benzoic acid	1500	U	1500	1700	2100	ug/Kg
91-20-3	Naphthalene	1200		520	820	1100	ug/Kg
106-47-8	4-Chloroaniline	670	J	520	820	1100	ug/Kg
87-68-3	Hexachlorobutadiene	1000	J	530	820	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	EO-01-062424MS	SDG No.:	BM062824
Lab Sample ID:	P3047-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046353.D	10	6/25/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161686

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	740	J	550	1700	2100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	860	J	490	820	1100	ug/Kg
91-57-6	2-Methylnaphthalene	1300		520	820	1100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	980	U	980	1700	2100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000	J	450	820	1100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	980	J	470	820	1100	ug/Kg
92-52-4	1,1-Biphenyl	1000	J	550	820	1100	ug/Kg
91-58-7	2-Chloronaphthalene	1000	J	530	820	1100	ug/Kg
88-74-4	2-Nitroaniline	950	J	600	820	1100	ug/Kg
131-11-3	Dimethylphthalate	1000	J	520	820	1100	ug/Kg
208-96-8	Acenaphthylene	1400		550	820	1100	ug/Kg
606-20-2	2,6-Dinitrotoluene	920	J	520	820	1100	ug/Kg
99-09-2	3-Nitroaniline	730	J	560	820	1100	ug/Kg
83-32-9	Acenaphthene	1100		510	820	1100	ug/Kg
Total PAH	Total PAH	26100		8360	820	17600	ug/Kg
51-28-5	2,4-Dinitrophenol	1500	U	1500	1700	2100	ug/Kg
100-02-7	4-Nitrophenol	1700	J	730	1700	2100	ug/Kg
132-64-9	Dibenzofuran	1000	J	530	820	1100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	720	J	1060	820	2200	ug/Kg
121-14-2	2,4-Dinitrotoluene	800	J	540	820	1100	ug/Kg
84-66-2	Diethylphthalate	990	J	510	820	1100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	950	J	540	820	1100	ug/Kg
86-73-7	Fluorene	1200		540	820	1100	ug/Kg
100-01-6	4-Nitroaniline	740	J	680	820	1100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1000	J	740	1700	2100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		510	820	1100	ug/Kg
103-33-3	Azobenzene	990	J	500	820	1100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		500	820	1100	ug/Kg
118-74-1	Hexachlorobenzene	990	J	540	820	1100	ug/Kg
1912-24-9	Atrazine	1300		580	820	1100	ug/Kg



Client:				Date Collected:	6/24/2024 12:00:00 AM	
Project:				Date Received:	6/24/2024 12:00:00 AM	
Client Sample ID:	EO-01-062424MS			SDG No.:	BM062824	
Lab Sample ID:	P3047-01MS			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	5	
Sample Wt/Vol:	50.05	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046353.D	10	6/25/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161686

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1600	J	490	1700	2100	ug/Kg
85-01-8	Phenanthrene	2300		530	820	1100	ug/Kg
120-12-7	Anthracene	1400		530	820	1100	ug/Kg
86-74-8	Carbazole	1000	J	510	820	1100	ug/Kg
84-74-2	Di-n-butylphthalate	1100		530	820	1100	ug/Kg
206-44-0	Fluoranthene	1800		520	820	1100	ug/Kg
92-87-5	Benzidine	1000	U	1000	1700	2100	ug/Kg
129-00-0	Pyrene	3100		520	820	1100	ug/Kg
85-68-7	Butylbenzylphthalate	1300		610	820	1100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	850	J	620	1700	2100	ug/Kg
56-55-3	Benzo(a)anthracene	1900		510	820	1100	ug/Kg
218-01-9	Chrysene	1800		500	820	1100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		570	820	1100	ug/Kg
117-84-0	Di-n-octyl phthalate	1100	J	690	1700	2100	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		510	820	1100	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		520	820	1100	ug/Kg
50-32-8	Benzo(a)pyrene	1800		590	820	1100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		490	820	1100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1200		510	820	1100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		510	820	1100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000	J	550	820	1100	ug/Kg
123-91-1	1,4-Dioxane	820	J	690	820	1100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000	J	470	820	1100	ug/Kg
90-12-0	1-Methylnaphthalene	1100		520	1100	1100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	86.2		18-112		57	SPK: -150
13127-88-3	Phenol-d6	80.7		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	49.5		18-107		50	SPK: -100
321-60-8	2-Fluorobiphenyl	54.99		20-109		55	SPK: -100

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	EO-01-062424MS	SDG No.:	BM062824
Lab Sample ID:	P3047-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046353.D	10	6/25/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161686

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	70.72		10-110		47	SPK: -150
1718-51-0	Terphenyl-d14	61.48		14-112		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	150395	7.369				
1146-65-2	Naphthalene-d8	616375	10.128				
15067-26-2	Acenaphthene-d10	352947	14.016				
1517-22-2	Phenanthrene-d10	645679	16.774				
1719-03-5	Chrysene-d12	442794	20.992				
1520-96-3	Perylene-d12	484697	23.662				



Client:				Date Collected:	6/24/2024 12:00:00 AM	
Project:				Date Received:	6/24/2024 12:00:00 AM	
Client Sample ID:	EO-01-062424MSD			SDG No.:	BM062824	
Lab Sample ID:	P3047-01MSD			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	5	
Sample Wt/Vol:	50.03	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046354.D	10	6/25/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161686

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	880	J	550	1700	2100	ug/Kg
110-86-1	Pyridine	730	J	500	820	1100	ug/Kg
100-52-7	Benzaldehyde	1100	U	1100	1700	2100	ug/Kg
62-53-3	Aniline	650	J	610	820	1100	ug/Kg
108-95-2	Phenol	1000	J	520	820	1100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000	J	530	820	1100	ug/Kg
95-57-8	2-Chlorophenol	1000	J	530	820	1100	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000	J	530	820	1100	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000	J	540	820	1100	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000	J	550	820	1100	ug/Kg
100-51-6	Benzyl Alcohol	840	J	520	1700	2100	ug/Kg
95-48-7	2-Methylphenol	990	J	510	820	1100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		570	820	1100	ug/Kg
98-86-2	Acetophenone	890	J	550	820	1100	ug/Kg
65794-96-9	3+4-Methylphenols	930	J	500	1700	2100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	900		250	500	500	ug/Kg
67-72-1	Hexachloroethane	920	J	520	820	1100	ug/Kg
98-95-3	Nitrobenzene	920	J	570	820	1100	ug/Kg
78-59-1	Isophorone	990	J	530	820	1100	ug/Kg
88-75-5	2-Nitrophenol	940	J	600	820	1100	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		590	820	1100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	970	J	540	820	1100	ug/Kg
120-83-2	2,4-Dichlorophenol	980	J	480	820	1100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000	J	540	820	1100	ug/Kg
65-85-0	Benzoic acid	1500	U	1500	1700	2100	ug/Kg
91-20-3	Naphthalene	1200		520	820	1100	ug/Kg
106-47-8	4-Chloroaniline	640	J	520	820	1100	ug/Kg
87-68-3	Hexachlorobutadiene	1000	J	530	820	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	EO-01-062424MSD	SDG No.:	BM062824
Lab Sample ID:	P3047-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046354.D	10	6/25/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161686

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	690	J	550	1700	2100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	890	J	490	820	1100	ug/Kg
91-57-6	2-Methylnaphthalene	1300		520	820	1100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	980	U	980	1700	2100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000	J	450	820	1100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	930	J	470	820	1100	ug/Kg
92-52-4	1,1-Biphenyl	1000	J	550	820	1100	ug/Kg
91-58-7	2-Chloronaphthalene	1000	J	530	820	1100	ug/Kg
88-74-4	2-Nitroaniline	970	J	600	820	1100	ug/Kg
131-11-3	Dimethylphthalate	1000	J	520	820	1100	ug/Kg
208-96-8	Acenaphthylene	1400		550	820	1100	ug/Kg
606-20-2	2,6-Dinitrotoluene	890	J	530	820	1100	ug/Kg
99-09-2	3-Nitroaniline	660	J	560	820	1100	ug/Kg
83-32-9	Acenaphthene	1100		510	820	1100	ug/Kg
Total PAH	Total PAH	25800		8360	820	17600	ug/Kg
51-28-5	2,4-Dinitrophenol	1500	U	1500	1700	2100	ug/Kg
100-02-7	4-Nitrophenol	1500	J	730	1700	2100	ug/Kg
132-64-9	Dibenzofuran	1100		530	820	1100	ug/Kg
121-14-2	2,4-Dinitrotoluene	780	J	540	820	1100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	670	J	1070	820	2200	ug/Kg
84-66-2	Diethylphthalate	970	J	510	820	1100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	920	J	540	820	1100	ug/Kg
86-73-7	Fluorene	1200		540	820	1100	ug/Kg
100-01-6	4-Nitroaniline	680	U	680	820	1100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1000	J	740	1700	2100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		520	820	1100	ug/Kg
103-33-3	Azobenzene	970	J	500	820	1100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		500	820	1100	ug/Kg
118-74-1	Hexachlorobenzene	1000	J	540	820	1100	ug/Kg
1912-24-9	Atrazine	1300		580	820	1100	ug/Kg



Client:			Date Collected:	6/24/2024 12:00:00 AM	
Project:			Date Received:	6/24/2024 12:00:00 AM	
Client Sample ID:	EO-01-062424MSD		SDG No.:	BM062824	
Lab Sample ID:	P3047-01MSD		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	5	
Sample Wt/Vol:	50.03	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:		
Extraction Type :	Decanted :		Level :	LOW	
Injection Volume :	GPC Factor :		GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046354.D	10	6/25/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161686

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1500	J	490	1700	2100	ug/Kg
85-01-8	Phenanthrene	2300		530	820	1100	ug/Kg
120-12-7	Anthracene	1400		530	820	1100	ug/Kg
86-74-8	Carbazole	990	J	510	820	1100	ug/Kg
84-74-2	Di-n-butylphthalate	1100		530	820	1100	ug/Kg
206-44-0	Fluoranthene	1700		520	820	1100	ug/Kg
92-87-5	Benzidine	1000	U	1000	1700	2100	ug/Kg
129-00-0	Pyrene	3000		520	820	1100	ug/Kg
85-68-7	Butylbenzylphthalate	1200		610	820	1100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	830	J	620	1700	2100	ug/Kg
56-55-3	Benzo(a)anthracene	1800		510	820	1100	ug/Kg
218-01-9	Chrysene	1900		500	820	1100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		570	820	1100	ug/Kg
117-84-0	Di-n-octyl phthalate	1100	J	690	1700	2100	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		510	820	1100	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		520	820	1100	ug/Kg
50-32-8	Benzo(a)pyrene	1700		590	820	1100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		490	820	1100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1200		510	820	1100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		510	820	1100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000	J	550	820	1100	ug/Kg
123-91-1	1,4-Dioxane	870	J	690	820	1100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	950	J	470	820	1100	ug/Kg
90-12-0	1-Methylnaphthalene	1100		530	1100	1100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	87.01		18-112		58	SPK: -150
13127-88-3	Phenol-d6	78.76		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	50.5		18-107		50	SPK: -100
321-60-8	2-Fluorobiphenyl	57.21		20-109		57	SPK: -100

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	EO-01-062424MSD	SDG No.:	BM062824
Lab Sample ID:	P3047-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046354.D	10	6/25/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161686

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	66.25		10-110		44	SPK: -150
1718-51-0	Terphenyl-d14	57.13		14-112		57	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	148223	7.375				
1146-65-2	Naphthalene-d8	603309	10.133				
15067-26-2	Acenaphthene-d10	333080	14.015				
1517-22-2	Phenanthrene-d10	574086	16.774				
1719-03-5	Chrysene-d12	386657	20.991				
1520-96-3	Perylene-d12	464225	23.662				

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	HD-02-062524	SDG No.:	BM062824
Lab Sample ID:	P3064-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046355.D	5	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	280	U	280	870	1100	ug/Kg
110-86-1	Pyridine	260	U	260	420	550	ug/Kg
100-52-7	Benzaldehyde	590	U	590	870	1100	ug/Kg
62-53-3	Aniline	310	U	310	420	550	ug/Kg
108-95-2	Phenol	270	U	270	420	550	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	270	U	270	420	550	ug/Kg
95-57-8	2-Chlorophenol	270	U	270	420	550	ug/Kg
95-50-1	1,2-Dichlorobenzene	270	U	270	420	550	ug/Kg
541-73-1	1,3-Dichlorobenzene	280	U	280	420	550	ug/Kg
106-46-7	1,4-Dichlorobenzene	280	U	280	420	550	ug/Kg
100-51-6	Benzyl Alcohol	270	U	270	870	1100	ug/Kg
95-48-7	2-Methylphenol	260	U	260	420	550	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	290	U	290	420	550	ug/Kg
98-86-2	Acetophenone	280	U	280	420	550	ug/Kg
65794-96-9	3+4-Methylphenols	260	U	260	870	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	130	U	130	260	260	ug/Kg
67-72-1	Hexachloroethane	270	U	270	420	550	ug/Kg
98-95-3	Nitrobenzene	290	U	290	420	550	ug/Kg
78-59-1	Isophorone	270	U	270	420	550	ug/Kg
88-75-5	2-Nitrophenol	300	U	300	420	550	ug/Kg
105-67-9	2,4-Dimethylphenol	300	U	300	420	550	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	280	U	280	420	550	ug/Kg
120-83-2	2,4-Dichlorophenol	240	U	240	420	550	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	270	U	270	420	550	ug/Kg
65-85-0	Benzoic acid	760	U	760	870	1100	ug/Kg
91-20-3	Naphthalene	270	U	270	420	550	ug/Kg
106-47-8	4-Chloroaniline	270	U	270	420	550	ug/Kg
87-68-3	Hexachlorobutadiene	270	U	270	420	550	ug/Kg



Client:				Date Collected:	6/25/2024 12:00:00 AM	
Project:				Date Received:	6/25/2024 12:00:00 AM	
Client Sample ID:	HD-02-062524			SDG No.:	BM062824	
Lab Sample ID:	P3064-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	6.8	
Sample Wt/Vol:	50.05	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046355.D	5	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	280	U	280	870	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	250	U	250	420	550	ug/Kg
91-57-6	2-Methylnaphthalene	270	U	270	420	550	ug/Kg
77-47-4	Hexachlorocyclopentadiene	500	U	500	870	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	230	U	230	420	550	ug/Kg
95-95-4	2,4,5-Trichlorophenol	240	U	240	420	550	ug/Kg
92-52-4	1,1-Biphenyl	280	U	280	420	550	ug/Kg
91-58-7	2-Chloronaphthalene	270	U	270	420	550	ug/Kg
88-74-4	2-Nitroaniline	310	U	310	420	550	ug/Kg
131-11-3	Dimethylphthalate	260	U	260	420	550	ug/Kg
208-96-8	Acenaphthylene	280	U	280	420	550	ug/Kg
606-20-2	2,6-Dinitrotoluene	270	U	270	420	550	ug/Kg
99-09-2	3-Nitroaniline	290	U	290	420	550	ug/Kg
83-32-9	Acenaphthene	260	U	260	420	550	ug/Kg
Total PAH	Total PAH	4270	U	4270	420	8800	ug/Kg
51-28-5	2,4-Dinitrophenol	780	U	780	870	1100	ug/Kg
100-02-7	4-Nitrophenol	370	U	370	870	1100	ug/Kg
132-64-9	Dibenzofuran	270	U	270	420	550	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	550	U	550	420	1100	ug/Kg
121-14-2	2,4-Dinitrotoluene	280	U	280	420	550	ug/Kg
84-66-2	Diethylphthalate	260	U	260	420	550	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	280	U	280	420	550	ug/Kg
86-73-7	Fluorene	270	U	270	420	550	ug/Kg
100-01-6	4-Nitroaniline	340	U	340	420	550	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	380	U	380	870	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	260	U	260	420	550	ug/Kg
103-33-3	Azobenzene	260	U	260	420	550	ug/Kg
101-55-3	4-Bromophenyl-phenylether	250	U	250	420	550	ug/Kg
118-74-1	Hexachlorobenzene	270	U	270	420	550	ug/Kg
1912-24-9	Atrazine	290	U	290	420	550	ug/Kg



Client:				Date Collected:	6/25/2024 12:00:00 AM	
Project:				Date Received:	6/25/2024 12:00:00 AM	
Client Sample ID:	HD-02-062524			SDG No.:	BM062824	
Lab Sample ID:	P3064-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	6.8	
Sample Wt/Vol:	50.05	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046355.D	5	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	250	U	250	870	1100	ug/Kg
85-01-8	Phenanthrene	270	U	270	420	550	ug/Kg
120-12-7	Anthracene	270	U	270	420	550	ug/Kg
86-74-8	Carbazole	260	U	260	420	550	ug/Kg
84-74-2	Di-n-butylphthalate	270	U	270	420	550	ug/Kg
206-44-0	Fluoranthene	260	U	260	420	550	ug/Kg
92-87-5	Benzidine	520	U	520	870	1100	ug/Kg
129-00-0	Pyrene	270	U	270	420	550	ug/Kg
85-68-7	Butylbenzylphthalate	310	U	310	420	550	ug/Kg
91-94-1	3,3-Dichlorobenzidine	320	U	320	870	1100	ug/Kg
56-55-3	Benzo(a)anthracene	260	U	260	420	550	ug/Kg
218-01-9	Chrysene	260	U	260	420	550	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	290	U	290	420	550	ug/Kg
117-84-0	Di-n-octyl phthalate	350	U	350	870	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	260	U	260	420	550	ug/Kg
207-08-9	Benzo(k)fluoranthene	270	U	270	420	550	ug/Kg
50-32-8	Benzo(a)pyrene	300	U	300	420	550	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	250	U	250	420	550	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	260	U	260	420	550	ug/Kg
191-24-2	Benzo(g,h,i)perylene	260	U	260	420	550	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	280	U	280	420	550	ug/Kg
123-91-1	1,4-Dioxane	350	U	350	420	550	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	240	U	240	420	550	ug/Kg
90-12-0	1-Methylnaphthalene	270	U	270	550	550	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	82.43		18-112		55	SPK: -150
13127-88-3	Phenol-d6	69.77		15-107		47	SPK: -150
4165-60-0	Nitrobenzene-d5	43.94		18-107		44	SPK: -100
321-60-8	2-Fluorobiphenyl	50.2		20-109		50	SPK: -100

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	HD-02-062524	SDG No.:	BM062824
Lab Sample ID:	P3064-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046355.D	5	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	53.985		10-110		36	SPK: -150
1718-51-0	Terphenyl-d14	47.445		14-112		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	153119	7.375				
1146-65-2	Naphthalene-d8	598334	10.134				
15067-26-2	Acenaphthene-d10	314213	14.022				
1517-22-2	Phenanthrene-d10	510851	16.774				
1719-03-5	Chrysene-d12	364985	20.992				
1520-96-3	Perylene-d12	459526	23.662				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	300	J			17.704	
000057-11-4	Octadecanoic acid	240	J			18.998	

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	SHOP-RAG-DRUM	SDG No.:	BM062824
Lab Sample ID:	P3049-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	5.06	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
BM046356.D	10	6/25/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161686

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	5100	U	5100	16000	19600	ug/Kg
110-86-1	Pyridine	4700	U	4700	7700	10100	ug/Kg
100-52-7	Benzaldehyde	10800	U	10800	16000	19600	ug/Kg
62-53-3	Aniline	5700	U	5700	7700	10100	ug/Kg
108-95-2	Phenol	4900	U	4900	7700	10100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	5000	U	5000	7700	10100	ug/Kg
95-57-8	2-Chlorophenol	5000	U	5000	7700	10100	ug/Kg
95-50-1	1,2-Dichlorobenzene	5000	U	5000	7700	10100	ug/Kg
541-73-1	1,3-Dichlorobenzene	5100	U	5100	7700	10100	ug/Kg
106-46-7	1,4-Dichlorobenzene	5100	U	5100	7700	10100	ug/Kg
100-51-6	Benzyl Alcohol	4900	U	4900	16000	19600	ug/Kg
95-48-7	2-Methylphenol	4800	U	4800	7700	10100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	5400	U	5400	7700	10100	ug/Kg
98-86-2	Acetophenone	5200	U	5200	7700	10100	ug/Kg
65794-96-9	3+4-Methylphenols	4700	U	4700	16000	19600	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2400	U	2400	4700	4700	ug/Kg
67-72-1	Hexachloroethane	4900	U	4900	7700	10100	ug/Kg
98-95-3	Nitrobenzene	5400	U	5400	7700	10100	ug/Kg
78-59-1	Isophorone	5000	U	5000	7700	10100	ug/Kg
88-75-5	2-Nitrophenol	5600	U	5600	7700	10100	ug/Kg
105-67-9	2,4-Dimethylphenol	5500	U	5500	7700	10100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	5100	U	5100	7700	10100	ug/Kg
120-83-2	2,4-Dichlorophenol	4500	U	4500	7700	10100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5100	U	5100	7700	10100	ug/Kg
65-85-0	Benzoic acid	14100	U	14100	16000	19600	ug/Kg
91-20-3	Naphthalene	4900	U	4900	7700	10100	ug/Kg
106-47-8	4-Chloroaniline	4900	U	4900	7700	10100	ug/Kg
87-68-3	Hexachlorobutadiene	4900	U	4900	7700	10100	ug/Kg

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	SHOP-RAG-DRUM	SDG No.:	BM062824
Lab Sample ID:	P3049-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	5.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046356.D	10	6/25/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161686

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	5100	U	5100	16000	19600	ug/Kg
59-50-7	4-Chloro-3-methylphenol	4600	U	4600	7700	10100	ug/Kg
91-57-6	2-Methylnaphthalene	4900	U	4900	7700	10100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	9200	U	9200	16000	19600	ug/Kg
88-06-2	2,4,6-Trichlorophenol	4200	U	4200	7700	10100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	4400	U	4400	7700	10100	ug/Kg
92-52-4	1,1-Biphenyl	5200	U	5200	7700	10100	ug/Kg
91-58-7	2-Chloronaphthalene	4900	U	4900	7700	10100	ug/Kg
88-74-4	2-Nitroaniline	5600	U	5600	7700	10100	ug/Kg
131-11-3	Dimethylphthalate	4800	U	4800	7700	10100	ug/Kg
208-96-8	Acenaphthylene	5100	U	5100	7700	10100	ug/Kg
606-20-2	2,6-Dinitrotoluene	4900	U	4900	7700	10100	ug/Kg
99-09-2	3-Nitroaniline	5300	U	5300	7700	10100	ug/Kg
83-32-9	Acenaphthene	4800	U	4800	7700	10100	ug/Kg
Total PAH	Total PAH	78400	U	78400	7700	161600	ug/Kg
51-28-5	2,4-Dinitrophenol	14400	U	14400	16000	19600	ug/Kg
100-02-7	4-Nitrophenol	6900	U	6900	16000	19600	ug/Kg
132-64-9	Dibenzofuran	5000	U	5000	7700	10100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	10000	U	10000	7700	20200	ug/Kg
121-14-2	2,4-Dinitrotoluene	5100	U	5100	7700	10100	ug/Kg
84-66-2	Diethylphthalate	4700	U	4700	7700	10100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	5100	U	5100	7700	10100	ug/Kg
86-73-7	Fluorene	5100	U	5100	7700	10100	ug/Kg
100-01-6	4-Nitroaniline	6300	U	6300	7700	10100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	6900	U	6900	16000	19600	ug/Kg
86-30-6	n-Nitrosodiphenylamine	4800	U	4800	7700	10100	ug/Kg
103-33-3	Azobenzene	4700	U	4700	7700	10100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	4700	U	4700	7700	10100	ug/Kg
118-74-1	Hexachlorobenzene	5000	U	5000	7700	10100	ug/Kg
1912-24-9	Atrazine	5400	U	5400	7700	10100	ug/Kg

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	SHOP-RAG-DRUM	SDG No.:	BM062824
Lab Sample ID:	P3049-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	5.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046356.D	10	6/25/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161686

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	4600	U	4600	16000	19600	ug/Kg
85-01-8	Phenanthrene	5000	U	5000	7700	10100	ug/Kg
120-12-7	Anthracene	5000	U	5000	7700	10100	ug/Kg
86-74-8	Carbazole	4800	U	4800	7700	10100	ug/Kg
84-74-2	Di-n-butylphthalate	5000	U	5000	7700	10100	ug/Kg
206-44-0	Fluoranthene	4800	U	4800	7700	10100	ug/Kg
92-87-5	Benzidine	9700	U	9700	16000	19600	ug/Kg
129-00-0	Pyrene	4900	U	4900	7700	10100	ug/Kg
85-68-7	Butylbenzylphthalate	5700	U	5700	7700	10100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	5800	U	5800	16000	19600	ug/Kg
56-55-3	Benzo(a)anthracene	4800	U	4800	7700	10100	ug/Kg
218-01-9	Chrysene	4700	U	4700	7700	10100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	5400	U	5400	7700	10100	ug/Kg
117-84-0	Di-n-octyl phthalate	6500	U	6500	16000	19600	ug/Kg
205-99-2	Benzo(b)fluoranthene	4800	U	4800	7700	10100	ug/Kg
207-08-9	Benzo(k)fluoranthene	4900	U	4900	7700	10100	ug/Kg
50-32-8	Benzo(a)pyrene	5500	U	5500	7700	10100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	4600	U	4600	7700	10100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	4800	U	4800	7700	10100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	4700	U	4700	7700	10100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	5100	U	5100	7700	10100	ug/Kg
123-91-1	1,4-Dioxane	6500	U	6500	7700	10100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	4400	U	4400	7700	10100	ug/Kg
90-12-0	1-Methylnaphthalene	4900	U	4900	10100	10100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	64.93		18-112		43	SPK: -150
13127-88-3	Phenol-d6	57.9		15-107		39	SPK: -150
4165-60-0	Nitrobenzene-d5	43.92		18-107		44	SPK: -100
321-60-8	2-Fluorobiphenyl	50.33		20-109		50	SPK: -100

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	SHOP-RAG-DRUM	SDG No.:	BM062824
Lab Sample ID:	P3049-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	5.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046356.D	10	6/25/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161686

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	20.63		10-110		14	SPK: -150
1718-51-0	Terphenyl-d14	53.4		14-112		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	161166	7.369				
1146-65-2	Naphthalene-d8	637977	10.128				
15067-26-2	Acenaphthene-d10	344793	14.016				
1517-22-2	Phenanthrene-d10	585439	16.774				
1719-03-5	Chrysene-d12	391731	20.992				
1520-96-3	Perylene-d12	478352	23.662				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown6.375	9200	J			6.375	
000611-14-3	Benzene, 1-ethyl-2-methyl-	9800	J			6.475	
000111-84-2	Nonane	18500	J			6.999	
000526-73-8	Benzene, 1,2,3-trimethyl-	9100	J			7.475	
000135-98-8	Benzene, (1-methylpropyl)-	9900	J			7.904	
000105-05-5	Benzene, 1,4-diethyl-	10600	J			8.004	
000149-57-5	Hexanoic acid, 2-ethyl-	170200	J			8.916	
000110-06-5	Di-tert-butyl disulfide	14500	J			9.098	
000106-62-7	1-Propanol, 2-(2-hydroxypropoxy)-	21500	J			10.698	
029911-28-2	2-Propanol, 1-(2-butoxy-1-methylet	25100	J			10.763	
004253-90-1	Trisulfide, bis(1,1-dimethylethyl)	88500	J			11.763	
000136-85-6	1H-Benzotriazole, 5-methyl-	34300	J			14.392	
029878-31-7	1H-Benzotriazole, 4-methyl-	44800	J			14.822	
000057-10-3	n-Hexadecanoic acid	16900	J			17.704	
000142-16-5	Bis(2-ethylhexyl) maleate	61400	J			18.886	
013287-23-5	Heptadecane, 8-methyl-	9100	J			19.015	
000141-02-6	2-Butenedioic acid (E)-, bis(2-eth	258900	J			19.339	
	unknown21.539	9000	J			21.539	

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	1A	SDG No.:	BM062824
Lab Sample ID:	P3053-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.4
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046357.D	1	6/26/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	100	U	100	310	380	ug/Kg
110-86-1	Pyridine	93.1	U	93.1	150	200	ug/Kg
100-52-7	Benzaldehyde	210	U	210	310	380	ug/Kg
62-53-3	Aniline	110	U	110	150	200	ug/Kg
108-95-2	Phenol	96.6	U	96.6	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	97.5	U	97.5	150	200	ug/Kg
95-57-8	2-Chlorophenol	97.3	U	97.3	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	98.6	U	98.6	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	100	U	100	150	200	ug/Kg
100-51-6	Benzyl Alcohol	96.7	U	96.7	310	380	ug/Kg
95-48-7	2-Methylphenol	93.9	U	93.9	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	93	U	93	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47	U	47	93.2	93.2	ug/Kg
67-72-1	Hexachloroethane	96.7	U	96.7	150	200	ug/Kg
98-95-3	Nitrobenzene	110	U	110	150	200	ug/Kg
78-59-1	Isophorone	98.6	U	98.6	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	100	U	100	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	88	U	88	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	99.5	U	99.5	150	200	ug/Kg
65-85-0	Benzoic acid	280	U	280	310	380	ug/Kg
91-20-3	Naphthalene	96.2	U	96.2	150	200	ug/Kg
106-47-8	4-Chloroaniline	96.2	U	96.2	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	97.1	U	97.1	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	1A	SDG No.:	BM062824
Lab Sample ID:	P3053-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.4
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046357.D	1	6/26/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	100	U	100	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	90.3	U	90.3	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	96.1	U	96.1	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	83.2	U	83.2	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	86.2	U	86.2	150	200	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	97.1	U	97.1	150	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	200	ug/Kg
131-11-3	Dimethylphthalate	95.2	U	95.2	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	96.9	U	96.9	150	200	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	150	200	ug/Kg
83-32-9	Acenaphthene	94.5	U	94.5	150	200	ug/Kg
Total PAH	Total PAH	1544.6	U	1544.6	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	310	380	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	310	380	ug/Kg
132-64-9	Dibenzofuran	98.3	U	98.3	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	96.9	U	196.9	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	150	200	ug/Kg
84-66-2	Diethylphthalate	93.3	U	93.3	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	99.7	U	99.7	150	200	ug/Kg
86-73-7	Fluorene	99.6	U	99.6	150	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	95.1	U	95.1	150	200	ug/Kg
103-33-3	Azobenzene	92.7	U	92.7	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	91.9	U	91.9	150	200	ug/Kg
118-74-1	Hexachlorobenzene	99	U	99	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	1A	SDG No.:	BM062824
Lab Sample ID:	P3053-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.4
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046357.D	1	6/26/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	90.1	U	90.1	310	380	ug/Kg
85-01-8	Phenanthrene	98.1	J	97.9	150	200	ug/Kg
120-12-7	Anthracene	98.3	U	98.3	150	200	ug/Kg
86-74-8	Carbazole	93.6	U	93.6	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	98.2	U	98.2	150	200	ug/Kg
206-44-0	Fluoranthene	120	J	95.2	150	200	ug/Kg
92-87-5	Benzidine	190	U	190	310	380	ug/Kg
129-00-0	Pyrene	130	J	96.7	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	94	U	94	150	200	ug/Kg
218-01-9	Chrysene	92.6	U	92.6	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	94.5	U	94.5	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	96.2	U	96.2	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	91	U	91	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	94.6	U	94.6	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	93.3	U	93.3	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	87	U	87	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	96.9	U	96.9	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	86.546		18-112		58	SPK: -150
13127-88-3	Phenol-d6	78.435		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	49.269		18-107		49	SPK: -100
321-60-8	2-Fluorobiphenyl	45.572		20-109		46	SPK: -100

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	1A	SDG No.:	BM062824
Lab Sample ID:	P3053-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.4
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046357.D	1	6/26/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	71.143		10-110		47	SPK: -150
1718-51-0	Terphenyl-d14	44.637		14-112		45	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	161284	7.375				
1146-65-2	Naphthalene-d8	653120	10.133				
15067-26-2	Acenaphthene-d10	355224	14.021				
1517-22-2	Phenanthrene-d10	601293	16.774				
1719-03-5	Chrysene-d12	418085	20.991				
1520-96-3	Perylene-d12	508852	23.662				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-55-6	Propylene Glycol	150	J			3.287	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	180	A			4.593	
000770-35-4	1-Phenoxypropan-2-ol	120	J			10.933	
	unknown14.286	120	J			14.286	
001604-34-8	2-Undecanone, 6,10-dimethyl-	140	J			16.892	
000057-10-3	n-Hexadecanoic acid	950	J			17.709	
000150-86-7	Phytol	320	J			18.721	
000057-11-4	Octadecanoic acid	330	J			18.992	
031158-91-5	Hexadecanoic acid, 1,1-dimethyleth	100	J			19.127	
028290-35-9	2(3H)-Benzofuranone, 6-ethenylhexa	94.8	J			20.015	
096168-15-9	4,8,12,16-Tetramethylheptadecan-4-	160	J			20.08	
	unknown20.180	220	J			20.18	
000295-65-8	Cyclohexadecane	330	J			20.709	
000646-31-1	Tetracosane	290	J			21.674	
001599-67-3	1-Docosene	190	J			21.709	
007683-64-9	Supraene	750	J			22.397	
000630-02-4	Octacosane	1400	J			24.497	
000059-02-9	Vitamin E	760	J			25.091	
000083-47-6	.gamma.-Sitosterol	2100	J			27.832	

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	1A	SDG No.:	BM062824
Lab Sample ID:	P3053-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.4
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
		Level :	LOW
Injection Volume :		Decanted :	
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046357.D	1	6/26/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000559-70-6	.beta.-Amyrin	2200	J			28.767	

Report of Analysis

Client:				Date Collected:	6/25/2024 12:00:00 AM		
Project:				Date Received:	6/25/2024 12:00:00 AM		
Client Sample ID:	7-E-1			SDG No.:	BM062824		
Lab Sample ID:	P3076-07			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	9.4		
Sample Wt/Vol:	30.09	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:				Test:			
Extraction Type :	Decanted :			Level :	LOW		
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046358.D	1	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	95.5	U	95.5	300	360	ug/Kg
110-86-1	Pyridine	87.9	U	87.9	140	190	ug/Kg
100-52-7	Benzaldehyde	200	U	200	300	360	ug/Kg
62-53-3	Aniline	110	U	110	140	190	ug/Kg
108-95-2	Phenol	91.2	U	91.2	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	92.1	U	92.1	140	190	ug/Kg
95-57-8	2-Chlorophenol	91.9	U	91.9	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	93.1	U	93.1	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	94.6	U	94.6	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	95.2	U	95.2	140	190	ug/Kg
100-51-6	Benzyl Alcohol	91.3	U	91.3	300	360	ug/Kg
95-48-7	2-Methylphenol	88.7	U	88.7	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	140	190	ug/Kg
98-86-2	Acetophenone	95.6	U	95.6	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	87.8	U	87.8	300	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	44.3	U	44.3	88	88	ug/Kg
67-72-1	Hexachloroethane	91.3	U	91.3	140	190	ug/Kg
98-95-3	Nitrobenzene	99.9	U	99.9	140	190	ug/Kg
78-59-1	Isophorone	93.1	U	93.1	140	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	94.4	U	94.4	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	83.1	U	83.1	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	94	U	94	140	190	ug/Kg
65-85-0	Benzoic acid	260	U	260	300	360	ug/Kg
91-20-3	Naphthalene	90.9	U	90.9	140	190	ug/Kg
106-47-8	4-Chloroaniline	90.9	U	90.9	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	91.7	U	91.7	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	7-E-1	SDG No.:	BM062824
Lab Sample ID:	P3076-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.4
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046358.D	1	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	95.5	U	95.5	300	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	85.3	U	85.3	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	90.8	U	90.8	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	300	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	78.6	U	78.6	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	81.4	U	81.4	140	190	ug/Kg
92-52-4	1,1-Biphenyl	96.2	U	96.2	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	91.7	U	91.7	140	190	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	190	ug/Kg
131-11-3	Dimethylphthalate	89.9	U	89.9	140	190	ug/Kg
208-96-8	Acenaphthylene	95.2	U	95.2	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	91.6	U	91.6	140	190	ug/Kg
99-09-2	3-Nitroaniline	98.2	U	98.2	140	190	ug/Kg
83-32-9	Acenaphthene	89.2	U	89.2	140	190	ug/Kg
Total PAH	Total PAH	1455.7	U	1455.7	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	300	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	360	ug/Kg
132-64-9	Dibenzofuran	92.9	U	92.9	140	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	94.9	U	94.9	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	86.5	U	186.5	140	380	ug/Kg
84-66-2	Diethylphthalate	88.1	U	88.1	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	94.2	U	94.2	140	190	ug/Kg
86-73-7	Fluorene	94.1	U	94.1	140	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	300	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	89.8	U	89.8	140	190	ug/Kg
103-33-3	Azobenzene	87.6	U	87.6	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	86.8	U	86.8	140	190	ug/Kg
118-74-1	Hexachlorobenzene	93.5	U	93.5	140	190	ug/Kg
1912-24-9	Atrazine	100	U	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	7-E-1	SDG No.:	BM062824
Lab Sample ID:	P3076-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.4
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046358.D	1	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	85.1	U	85.1	300	360	ug/Kg
85-01-8	Phenanthrene	200		92.4	140	190	ug/Kg
120-12-7	Anthracene	92.9	U	92.9	140	190	ug/Kg
86-74-8	Carbazole	88.4	U	88.4	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	92.8	U	92.8	140	190	ug/Kg
206-44-0	Fluoranthene	270		89.9	140	190	ug/Kg
92-87-5	Benzidine	180	U	180	300	360	ug/Kg
129-00-0	Pyrene	290		91.3	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	300	360	ug/Kg
56-55-3	Benzo(a)anthracene	130	J	88.8	140	190	ug/Kg
218-01-9	Chrysene	140	J	87.5	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	300	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	J	89.2	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	90.9	U	90.9	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	130	J	100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	85.9	U	85.9	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	89.4	U	89.4	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	95.6	J	88.1	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	95.5	U	95.5	140	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.2	U	82.2	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	91.6	U	91.6	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	100.544		18-112		67	SPK: -150
13127-88-3	Phenol-d6	87.237		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	56.225		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	57.551		20-109		58	SPK: -100

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	7-E-1	SDG No.:	BM062824
Lab Sample ID:	P3076-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.4
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046358.D	1	6/27/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	77.709		10-110		52	SPK: -150
1718-51-0	Terphenyl-d14	55.21		14-112		55	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	155492	7.369				
1146-65-2	Naphthalene-d8	621505	10.133				
15067-26-2	Acenaphthene-d10	332974	14.021				
1517-22-2	Phenanthrene-d10	547699	16.774				
1719-03-5	Chrysene-d12	397946	20.992				
1520-96-3	Perylene-d12	502454	23.668				
TENTATIVE IDENTIFIED COMPOUNDS							
000067-63-0	Isopropyl Alcohol	260	J			3.287	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	A			4.593	
	unknown14.257	590	J			14.257	
	unknown14.280	660	J			14.28	
000057-10-3	n-Hexadecanoic acid	250	J			17.703	
000057-11-4	Octadecanoic acid	120	J			18.992	
1000131-09-4	Z-12-Pentacosene	150	J			20.709	

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	VNJ-325	SDG No.:	BM062824
Lab Sample ID:	P3115-12	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046359.D	2	6/28/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161833

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	170	U	170	540	660	ug/Kg
110-86-1	Pyridine	160	U	160	260	340	ug/Kg
100-52-7	Benzaldehyde	360	U	360	540	660	ug/Kg
62-53-3	Aniline	190	U	190	260	340	ug/Kg
108-95-2	Phenol	170	U	170	260	340	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	170	U	170	260	340	ug/Kg
95-57-8	2-Chlorophenol	170	U	170	260	340	ug/Kg
95-50-1	1,2-Dichlorobenzene	170	U	170	260	340	ug/Kg
541-73-1	1,3-Dichlorobenzene	170	U	170	260	340	ug/Kg
106-46-7	1,4-Dichlorobenzene	170	U	170	260	340	ug/Kg
100-51-6	Benzyl Alcohol	170	U	170	540	660	ug/Kg
95-48-7	2-Methylphenol	160	U	160	260	340	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	180	U	180	260	340	ug/Kg
98-86-2	Acetophenone	170	U	170	260	340	ug/Kg
65794-96-9	3+4-Methylphenols	160	U	160	540	660	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	80.5	U	80.5	160	160	ug/Kg
67-72-1	Hexachloroethane	170	U	170	260	340	ug/Kg
98-95-3	Nitrobenzene	180	U	180	260	340	ug/Kg
78-59-1	Isophorone	170	U	170	260	340	ug/Kg
88-75-5	2-Nitrophenol	190	U	190	260	340	ug/Kg
105-67-9	2,4-Dimethylphenol	190	U	190	260	340	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	170	260	340	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	150	260	340	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	170	U	170	260	340	ug/Kg
65-85-0	Benzoic acid	470	U	470	540	660	ug/Kg
91-20-3	Naphthalene	210	J	160	260	340	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	260	340	ug/Kg
87-68-3	Hexachlorobutadiene	170	U	170	260	340	ug/Kg

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	VNJ-325	SDG No.:	BM062824
Lab Sample ID:	P3115-12	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046359.D	2	6/28/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161833

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	170	U	170	540	660	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	150	260	340	ug/Kg
91-57-6	2-Methylnaphthalene	220	J	160	260	340	ug/Kg
77-47-4	Hexachlorocyclopentadiene	310	U	310	540	660	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	140	260	340	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	150	260	340	ug/Kg
92-52-4	1,1-Biphenyl	220	J	170	260	340	ug/Kg
91-58-7	2-Chloronaphthalene	170	U	170	260	340	ug/Kg
88-74-4	2-Nitroaniline	190	U	190	260	340	ug/Kg
131-11-3	Dimethylphthalate	160	U	160	260	340	ug/Kg
208-96-8	Acenaphthylene	1200		170	260	340	ug/Kg
606-20-2	2,6-Dinitrotoluene	170	U	170	260	340	ug/Kg
99-09-2	3-Nitroaniline	180	U	180	260	340	ug/Kg
83-32-9	Acenaphthene	380		160	260	340	ug/Kg
Total PAH	Total PAH	67780		2640	260	5440	ug/Kg
51-28-5	2,4-Dinitrophenol	490	U	490	540	660	ug/Kg
100-02-7	4-Nitrophenol	230	U	230	540	660	ug/Kg
132-64-9	Dibenzofuran	320	J	170	260	340	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	340	U	340	260	680	ug/Kg
121-14-2	2,4-Dinitrotoluene	170	U	170	260	340	ug/Kg
84-66-2	Diethylphthalate	160	U	160	260	340	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170	U	170	260	340	ug/Kg
86-73-7	Fluorene	340		170	260	340	ug/Kg
100-01-6	4-Nitroaniline	210	U	210	260	340	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	230	U	230	540	660	ug/Kg
86-30-6	n-Nitrosodiphenylamine	160	U	160	260	340	ug/Kg
103-33-3	Azobenzene	160	U	160	260	340	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	160	260	340	ug/Kg
118-74-1	Hexachlorobenzene	170	U	170	260	340	ug/Kg
1912-24-9	Atrazine	180	U	180	260	340	ug/Kg

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	VNJ-325	SDG No.:	BM062824
Lab Sample ID:	P3115-12	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046359.D	2	6/28/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161833

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	150	U	150	540	660	ug/Kg
85-01-8	Phenanthrene	4600		170	260	340	ug/Kg
120-12-7	Anthracene	2300		170	260	340	ug/Kg
86-74-8	Carbazole	590		160	260	340	ug/Kg
84-74-2	Di-n-butylphthalate	170	U	170	260	340	ug/Kg
206-44-0	Fluoranthene	7100	E	160	260	340	ug/Kg
92-87-5	Benzidine	330	U	330	540	660	ug/Kg
129-00-0	Pyrene	10300	E	170	260	340	ug/Kg
85-68-7	Butylbenzylphthalate	190	U	190	260	340	ug/Kg
91-94-1	3,3-Dichlorobenzidine	200	U	200	540	660	ug/Kg
56-55-3	Benzo(a)anthracene	6400	E	160	260	340	ug/Kg
218-01-9	Chrysene	8400	E	160	260	340	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	340		180	260	340	ug/Kg
117-84-0	Di-n-octyl phthalate	220	U	220	540	660	ug/Kg
205-99-2	Benzo(b)fluoranthene	11300	E	160	260	340	ug/Kg
207-08-9	Benzo(k)fluoranthene	3700		160	260	340	ug/Kg
50-32-8	Benzo(a)pyrene	5700	E	190	260	340	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2500		160	260	340	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	850		160	260	340	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2500		160	260	340	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	170	260	340	ug/Kg
123-91-1	1,4-Dioxane	220	U	220	260	340	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	150	260	340	ug/Kg
90-12-0	1-Methylnaphthalene	190	J	170	340	340	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	108.404		18-112		72	SPK: -150
13127-88-3	Phenol-d6	95.998		15-107		64	SPK: -150
4165-60-0	Nitrobenzene-d5	65.272		18-107		65	SPK: -100
321-60-8	2-Fluorobiphenyl	55.78		20-109		56	SPK: -100

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	VNJ-325	SDG No.:	BM062824
Lab Sample ID:	P3115-12	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046359.D	2	6/28/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161833

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	74.848		10-110		50	SPK: -150
1718-51-0	Terphenyl-d14	65.57		14-112		66	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	162815	7.375				
1146-65-2	Naphthalene-d8	635301	10.128				
15067-26-2	Acenaphthene-d10	449200	14.016				
1517-22-2	Phenanthrene-d10	591430	16.798				
1719-03-5	Chrysene-d12	495433	21.003				
1520-96-3	Perylene-d12	540807	23.674				
TENTATIVE IDENTIFIED COMPOUNDS							
000598-96-9	2-Pentene, 3,4,4-trimethyl-	1700	J			11.357	
000123-48-8	3-Heptene, 2,2,4,6,6-pentamethyl-	1300	J			12.31	
039761-73-4	2,4,4,6,6,8,8-Heptamethyl-2-nonene	3600	J			12.404	
074421-19-5	Hexane, 1-(hexyloxy)-5-methyl-	2500	J			12.51	
1000309-13-2	Sulfurous acid, decyl hexyl ester	2900	J			12.569	
1000309-34-3	Oxalic acid, 6-ethyloct-3-yl isohe	1700	J			12.739	
	unknown13.057	7800	J			13.057	
000582-16-1	Naphthalene, 2,7-dimethyl-	2900	J			13.327	
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	2000	J			13.827	
	unknown14.804	2800	J			14.804	
054814-64-1	2H-Pyran-2-one, 5,6-dihydro-6-pent	6700	J			14.974	
	unknown20.809	1300	J			20.809	
	unknown22.662	2900	J			22.662	
032064-75-8	3-Decen-5-one, 2-methyl-	2000	J			23.315	
000192-97-2	Benzo[e]pyrene	3600	J			23.45	
000198-55-0	Perylene	1300	J			23.738	
1000351-26-9	1,2,4-Oxadiazol-5-amine, 3-(4-amin	1800	J			24.115	
1000159-08-7	4-Butoxy-2,4-dimethyl-2-pentene	2300	J			24.55	
	unknown25.568	1800	J			25.568	

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	VNJ-325	SDG No.:	BM062824
Lab Sample ID:	P3115-12	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046359.D	2	6/28/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161833

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
021981-22-6	1H-Pyrazole, 5-ethyl-4,5-dihydro-3	1600	J			28.103	

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	20071	SDG No.:	BM062824
Lab Sample ID:	P3115-14	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	5.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046360.D	20	6/28/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161833

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10300	U	10300	32100	39200	ug/Kg
110-86-1	Pyridine	9500	U	9500	15400	20200	ug/Kg
100-52-7	Benzaldehyde	21600	U	21600	32100	39200	ug/Kg
62-53-3	Aniline	11500	U	11500	15400	20200	ug/Kg
108-95-2	Phenol	9800	U	9800	15400	20200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	9900	U	9900	15400	20200	ug/Kg
95-57-8	2-Chlorophenol	9900	U	9900	15400	20200	ug/Kg
95-50-1	1,2-Dichlorobenzene	10100	U	10100	15400	20200	ug/Kg
541-73-1	1,3-Dichlorobenzene	10200	U	10200	15400	20200	ug/Kg
106-46-7	1,4-Dichlorobenzene	10300	U	10300	15400	20200	ug/Kg
100-51-6	Benzyl Alcohol	9900	U	9900	32100	39200	ug/Kg
95-48-7	2-Methylphenol	9600	U	9600	15400	20200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	10800	U	10800	15400	20200	ug/Kg
98-86-2	Acetophenone	10300	U	10300	15400	20200	ug/Kg
65794-96-9	3+4-Methylphenols	9500	U	9500	32100	39200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	4800	U	4800	9500	9500	ug/Kg
67-72-1	Hexachloroethane	9900	U	9900	15400	20200	ug/Kg
98-95-3	Nitrobenzene	10800	U	10800	15400	20200	ug/Kg
78-59-1	Isophorone	10100	U	10100	15400	20200	ug/Kg
88-75-5	2-Nitrophenol	11200	U	11200	15400	20200	ug/Kg
105-67-9	2,4-Dimethylphenol	11100	U	11100	15400	20200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	10200	U	10200	15400	20200	ug/Kg
120-83-2	2,4-Dichlorophenol	9000	U	9000	15400	20200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	10100	U	10100	15400	20200	ug/Kg
65-85-0	Benzoic acid	28200	U	28200	32100	39200	ug/Kg
91-20-3	Naphthalene	9800	U	9800	15400	20200	ug/Kg
106-47-8	4-Chloroaniline	9800	U	9800	15400	20200	ug/Kg
87-68-3	Hexachlorobutadiene	9900	U	9900	15400	20200	ug/Kg

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	20071	SDG No.:	BM062824
Lab Sample ID:	P3115-14	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	5.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046360.D	20	6/28/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161833

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	10300	U	10300	32100	39200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	9200	U	9200	15400	20200	ug/Kg
91-57-6	2-Methylnaphthalene	9800	U	9800	15400	20200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	18500	U	18500	32100	39200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	8500	U	8500	15400	20200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	8800	U	8800	15400	20200	ug/Kg
92-52-4	1,1-Biphenyl	10400	U	10400	15400	20200	ug/Kg
91-58-7	2-Chloronaphthalene	9900	U	9900	15400	20200	ug/Kg
88-74-4	2-Nitroaniline	11300	U	11300	15400	20200	ug/Kg
131-11-3	Dimethylphthalate	9700	U	9700	15400	20200	ug/Kg
208-96-8	Acenaphthylene	10300	U	10300	15400	20200	ug/Kg
606-20-2	2,6-Dinitrotoluene	9900	U	9900	15400	20200	ug/Kg
99-09-2	3-Nitroaniline	10600	U	10600	15400	20200	ug/Kg
83-32-9	Acenaphthene	9600	U	9600	15400	20200	ug/Kg
Total PAH	Total PAH	157300	U	157300	15400	323200	ug/Kg
51-28-5	2,4-Dinitrophenol	28900	U	28900	32100	39200	ug/Kg
100-02-7	4-Nitrophenol	13800	U	13800	32100	39200	ug/Kg
132-64-9	Dibenzofuran	10000	U	10000	15400	20200	ug/Kg
121-14-2	2,4-Dinitrotoluene	10200	U	10200	15400	20200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	20100	U	20100	15400	40400	ug/Kg
84-66-2	Diethylphthalate	9500	U	9500	15400	20200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	10200	U	10200	15400	20200	ug/Kg
86-73-7	Fluorene	10200	U	10200	15400	20200	ug/Kg
100-01-6	4-Nitroaniline	12700	U	12700	15400	20200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	13900	U	13900	32100	39200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	9700	U	9700	15400	20200	ug/Kg
103-33-3	Azobenzene	9500	U	9500	15400	20200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	9400	U	9400	15400	20200	ug/Kg
118-74-1	Hexachlorobenzene	10100	U	10100	15400	20200	ug/Kg
1912-24-9	Atrazine	10900	U	10900	15400	20200	ug/Kg

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	20071	SDG No.:	BM062824
Lab Sample ID:	P3115-14	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	5.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046360.D	20	6/28/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161833

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	9200	U	9200	32100	39200	ug/Kg
85-01-8	Phenanthrene	33800		10000	15400	20200	ug/Kg
120-12-7	Anthracene	10000	U	10000	15400	20200	ug/Kg
86-74-8	Carbazole	9500	U	9500	15400	20200	ug/Kg
84-74-2	Di-n-butylphthalate	10000	U	10000	15400	20200	ug/Kg
206-44-0	Fluoranthene	9700	U	9700	15400	20200	ug/Kg
92-87-5	Benzidine	19400	U	19400	32100	39200	ug/Kg
129-00-0	Pyrene	9900	U	9900	15400	20200	ug/Kg
85-68-7	Butylbenzylphthalate	11500	U	11500	15400	20200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	11700	U	11700	32100	39200	ug/Kg
56-55-3	Benzo(a)anthracene	9600	U	9600	15400	20200	ug/Kg
218-01-9	Chrysene	9400	U	9400	15400	20200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	10800	U	10800	15400	20200	ug/Kg
117-84-0	Di-n-octyl phthalate	13100	U	13100	32100	39200	ug/Kg
205-99-2	Benzo(b)fluoranthene	9600	U	9600	15400	20200	ug/Kg
207-08-9	Benzo(k)fluoranthene	9800	U	9800	15400	20200	ug/Kg
50-32-8	Benzo(a)pyrene	11000	U	11000	15400	20200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	9300	U	9300	15400	20200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	9600	U	9600	15400	20200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	9500	U	9500	15400	20200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	10300	U	10300	15400	20200	ug/Kg
123-91-1	1,4-Dioxane	13100	U	13100	15400	20200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	8900	U	8900	15400	20200	ug/Kg
90-12-0	1-Methylnaphthalene	9900	U	9900	20200	20200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	58.14		18-112		39	SPK: -150
13127-88-3	Phenol-d6	48.46		15-107		32	SPK: -150
4165-60-0	Nitrobenzene-d5	27.82		18-107		28	SPK: -100
321-60-8	2-Fluorobiphenyl	35.5		20-109		35	SPK: -100

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	20071	SDG No.:	BM062824
Lab Sample ID:	P3115-14	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	5.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046360.D	20	6/28/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161833

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	45.1		10-110		30	SPK: -150
1718-51-0	Terphenyl-d14	50.04		14-112		50	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	136801	7.375				
1146-65-2	Naphthalene-d8	559625	10.134				
15067-26-2	Acenaphthene-d10	376029	14.016				
1517-22-2	Phenanthrene-d10	684708	16.78				
1719-03-5	Chrysene-d12	399335	20.992				
1520-96-3	Perylene-d12	462733	23.668				
TENTATIVE IDENTIFIED COMPOUNDS							
001120-21-4	Undecane	68200	J			8.593	
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	21700	J			12.763	
000582-16-1	Naphthalene, 2,7-dimethyl-	31400	J			13.322	
	unknown13.410	75600	J			13.41	
054833-48-6	Heptadecane, 2,6,10,15-tetramethyl	30500	J			13.504	
085125-32-2	1-Bromo-1-methyl-1-silacyclohexane	64600	J			13.733	
	unknown13.828	122900	J			13.828	
070788-30-6	1-(2,2,6-Trimethylcyclohexyl)hexan	38400	J			13.904	
	unknown13.963	62700	J			13.963	
	unknown14.092	40400	J			14.092	
031197-54-3	1,1,5,6-Tetramethyl-1,2,3,4-tetra	22400	J			14.31	
000483-77-2	Naphthalene, 1,2,3,4-tetrahydro-1,	29100	J			14.345	
	unknown14.551	105900	J			14.551	
1000100-23-6	Decahydro-8a-ethyl-1,1,4a,6-tetram	81500	J			14.663	
1000484-40-4	1-Ethynylcyclododecanol	65600	J			14.728	
	unknown14.798	252000	J			14.798	
002131-41-1	Naphthalene, 1,4,5-trimethyl-	88000	J			15.069	
055045-11-9	Tridecane, 5-propyl-	158500	J			15.786	
000630-01-3	Hexacosane	79200	J			16.61	

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	20071	SDG No.:	BM062824
Lab Sample ID:	P3115-14	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	5.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
		Level :	LOW
Injection Volume :		Decanted :	
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046360.D	20	6/28/2024 12:00:00 AM	6/28/2024 12:00:00 AM	PB161833

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
001516-94-5	4,4-Ethylenebis(2,6-di-tert-butyl	51000	J			22.256	

Hit Summary Sheet SW-846

SDG No.: BM062824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : EO-01-062424								
P3047-01	EO-01-062424	Solid	11H-Benzo[b]fluorene	*	520.000	J		
P3047-01	EO-01-062424	Solid	1H-Cyclopropa[l]phenanthrene, 1a	*	710.000	J		
P3047-01	EO-01-062424	Solid	Benzaldehyde, 3,5-dichloro-2-hyd	*	1,200.000	J		
P3047-01	EO-01-062424	Solid	Biphenylene	*	420.000	J		
P3047-01	EO-01-062424	Solid	Fluoranthene, 2-methyl-	*	470.000	J		
P3047-01	EO-01-062424	Solid	Phenanthrene, 1-methyl-	*	1,300.000	J		
P3047-01	EO-01-062424	Solid	Phenanthrene, 2,5-dimethyl-	*	760.000	J		
P3047-01	EO-01-062424	Solid	Phenanthrene, 2-methyl-	*	690.000	J		
P3047-01	EO-01-062424	Solid	Pyrene, 1-methyl-	*	610.000	J		
P3047-01	EO-01-062424	Solid	unknown18.645	*	890.000	J		
Total Tics :					7,570.00			
P3047-01	EO-01-062424	Solid	Benzo(a)anthracene		900.000	J	510	ug/Kg
P3047-01	EO-01-062424	Solid	Benzo(a)pyrene		830.000	J	590	ug/Kg
P3047-01	EO-01-062424	Solid	Benzo(b)fluoranthene		770.000	J	510	ug/Kg
P3047-01	EO-01-062424	Solid	Benzo(g,h,i)perylene		540.000	J	510	ug/Kg
P3047-01	EO-01-062424	Solid	Bis(2-ethylhexyl)phthalate		610.000	J	570	ug/Kg
P3047-01	EO-01-062424	Solid	Chrysene		1,000.000	J	500	ug/Kg
P3047-01	EO-01-062424	Solid	Fluoranthene		1,100.000		520	ug/Kg
P3047-01	EO-01-062424	Solid	Phenanthrene		1,500.000		530	ug/Kg
P3047-01	EO-01-062424	Solid	Pyrene		2,300.000		520	ug/Kg
Total Svoc :					9,550.00			
Total Concentration:					17,120.00			
Client ID : SHOP-RAG-DRUM								
P3049-01	SHOP-RAG-DRUM	Solid	1-Propanol, 2-(2-hydroxypropoxy	*	21,500.000	J		
P3049-01	SHOP-RAG-DRUM	Solid	1H-Benzotriazole, 4-methyl-	*	44,800.000	J		
P3049-01	SHOP-RAG-DRUM	Solid	1H-Benzotriazole, 5-methyl-	*	34,300.000	J		
P3049-01	SHOP-RAG-DRUM	Solid	2-Butenedioic acid (E)-, bis(2-eth	*	258,900.000	J		
P3049-01	SHOP-RAG-DRUM	Solid	2-Propanol, 1-(2-butoxy-1-methyl	*	25,100.000	J		
P3049-01	SHOP-RAG-DRUM	Solid	Benzene, (1-methylpropyl)-	*	9,900.000	J		
P3049-01	SHOP-RAG-DRUM	Solid	Benzene, 1,2,3-trimethyl-	*	9,100.000	J		
P3049-01	SHOP-RAG-DRUM	Solid	Benzene, 1,4-diethyl-	*	10,600.000	J		
P3049-01	SHOP-RAG-DRUM	Solid	Benzene, 1-ethyl-2-methyl-	*	9,800.000	J		
P3049-01	SHOP-RAG-DRUM	Solid	Bis(2-ethylhexyl) maleate	*	61,400.000	J		
P3049-01	SHOP-RAG-DRUM	Solid	Di-tert-butyl disulfide	*	14,500.000	J		
P3049-01	SHOP-RAG-DRUM	Solid	Heptadecane, 8-methyl-	*	9,100.000	J		
P3049-01	SHOP-RAG-DRUM	Solid	Hexanoic acid, 2-ethyl-	*	170,200.000	J		
P3049-01	SHOP-RAG-DRUM	Solid	n-Hexadecanoic acid	*	16,900.000	J		

Hit Summary Sheet SW-846

SDG No.: BM062824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3049-01	SHOP-RAG-DRUM	Solid	Nonane	*	18,500.000	J		
P3049-01	SHOP-RAG-DRUM	Solid	Trisulfide, bis(1,1-dimethylethyl)	*	88,500.000	J		
P3049-01	SHOP-RAG-DRUM	Solid	unknown21.539	*	9,000.000	J		
P3049-01	SHOP-RAG-DRUM	Solid	unknown6.375	*	9,200.000	J		
Total Tics :					821,300.00			
Total Concentration:					821,300.00			

Client ID : 1A

P3053-01	1A	Solid	.beta.-Amyrin	*	2,200.000	J		
P3053-01	1A	Solid	.gamma.-Sitosterol	*	2,100.000	J		
P3053-01	1A	Solid	1-Docosene	*	190.000	J		
P3053-01	1A	Solid	1-Phenoxypropan-2-ol	*	120.000	J		
P3053-01	1A	Solid	2(3H)-Benzofuranone, 6-ethenylh	*	94.800	J		
P3053-01	1A	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	180.000	A		
P3053-01	1A	Solid	2-Undecanone, 6,10-dimethyl-	*	140.000	J		
P3053-01	1A	Solid	4,8,12,16-Tetramethylheptadecan-	*	160.000	J		
P3053-01	1A	Solid	Cyclohexadecane	*	330.000	J		
P3053-01	1A	Solid	Hexadecanoic acid, 1,1-dimethyle	*	100.000	J		
P3053-01	1A	Solid	n-Hexadecanoic acid	*	950.000	J		
P3053-01	1A	Solid	Octacosane	*	1,400.000	J		
P3053-01	1A	Solid	Octadecanoic acid	*	330.000	J		
P3053-01	1A	Solid	Phytol	*	320.000	J		
P3053-01	1A	Solid	Propylene Glycol	*	150.000	J		
P3053-01	1A	Solid	Supraene	*	750.000	J		
P3053-01	1A	Solid	Tetracosane	*	290.000	J		
P3053-01	1A	Solid	unknown14.286	*	120.000	J		
P3053-01	1A	Solid	unknown20.180	*	220.000	J		
P3053-01	1A	Solid	Vitamin E	*	760.000	J		
Total Tics :					10,904.80			
P3053-01	1A	Solid	Fluoranthene		120.000	J	95.2	200 ug/Kg
P3053-01	1A	Solid	Phenanthrene		98.100	J	97.9	200 ug/Kg
P3053-01	1A	Solid	Pyrene		130.000	J	96.7	200 ug/Kg
Total Svoc :					348.10			
Total Concentration:					11,252.90			

Client ID : HD-02-062524

P3064-01	HD-02-062524	Solid	n-Hexadecanoic acid	*	300.000	J		
P3064-01	HD-02-062524	Solid	Octadecanoic acid	*	240.000	J		
Total Tics :					540.00			
Total Concentration:					540.00			

Client ID : 7-E-1

Hit Summary Sheet SW-846

SDG No.: BM062824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3076-07	7-E-1	Solid	2-Pentanone, 4-hydroxy-4-methyl *	210.000	A			
P3076-07	7-E-1	Solid	Isopropyl Alcohol *	260.000	J			
P3076-07	7-E-1	Solid	n-Hexadecanoic acid *	250.000	J			
P3076-07	7-E-1	Solid	Octadecanoic acid *	120.000	J			
P3076-07	7-E-1	Solid	unknown14.257 *	590.000	J			
P3076-07	7-E-1	Solid	unknown14.280 *	660.000	J			
P3076-07	7-E-1	Solid	Z-12-Pentacosene *	150.000	J			
Total Tics :				2,240.00				
P3076-07	7-E-1	Solid	Benzo(a)anthracene	130.000	J	88.8	190	ug/Kg
P3076-07	7-E-1	Solid	Benzo(a)pyrene	130.000	J	100	190	ug/Kg
P3076-07	7-E-1	Solid	Benzo(b)fluoranthene	160.000	J	89.2	190	ug/Kg
P3076-07	7-E-1	Solid	Benzo(g,h,i)perylene	95.600	J	88.1	190	ug/Kg
P3076-07	7-E-1	Solid	Chrysene	140.000	J	87.5	190	ug/Kg
P3076-07	7-E-1	Solid	Fluoranthene	270.000		89.9	190	ug/Kg
P3076-07	7-E-1	Solid	Phenanthrene	200.000		92.4	190	ug/Kg
P3076-07	7-E-1	Solid	Pyrene	290.000		91.3	190	ug/Kg
Total Svoc :				1,415.60				
Total Concentration:				3,655.60				
Client ID : 7-S-1								
P3076-10	7-S-1	Solid	1-Phenoxypropan-2-ol *	90.500	J			
P3076-10	7-S-1	Solid	2-Pentanone, 4-hydroxy-4-methyl *	170.000	A			
P3076-10	7-S-1	Solid	3-Hexadecene, (Z)- *	180.000	J			
P3076-10	7-S-1	Solid	Docosane, 11-butyl- *	110.000	J			
P3076-10	7-S-1	Solid	Eicosane *	79.800	J			
P3076-10	7-S-1	Solid	Indigo *	260.000	J			
P3076-10	7-S-1	Solid	Isopropyl Alcohol *	100.000	J			
P3076-10	7-S-1	Solid	n-Hexadecanoic acid *	590.000	J			
P3076-10	7-S-1	Solid	Octadecanoic acid *	250.000	J			
P3076-10	7-S-1	Solid	Supraene *	110.000	J			
P3076-10	7-S-1	Solid	unknown17.145 *	82.000	J			
Total Tics :				2,022.30				
P3076-10	7-S-1	Solid	Bis(2-ethylhexyl)phthalate	100.000	J	100	190	ug/Kg
P3076-10	7-S-1	Solid	Fluoranthene	95.100	J	90.5	190	ug/Kg
P3076-10	7-S-1	Solid	Pyrene	100.000	J	92	190	ug/Kg
Total Svoc :				295.10				
Total Concentration:				2,317.40				
Client ID : VNJ-325								
P3115-12	VNJ-325	Solid	1,2,4-Oxadiazol-5-amine, 3-(4-am *	1,800.000	J			
P3115-12	VNJ-325	Solid	1H-Pyrazole, 5-ethyl-4,5-dihydro- *	1,600.000	J			
P3115-12	VNJ-325	Solid	2,4,4,6,6,8,8-Heptamethyl-2-none *	3,600.000	J			

Hit Summary Sheet SW-846

SDG No.: BM062824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3115-12	VNJ-325	Solid	2-Pentene, 3,4,4-trimethyl-	*	1,700.000	J		
P3115-12	VNJ-325	Solid	2H-Pyran-2-one, 5,6-dihydro-6-pe	*	6,700.000	J		
P3115-12	VNJ-325	Solid	3-Decen-5-one, 2-methyl-	*	2,000.000	J		
P3115-12	VNJ-325	Solid	3-Heptene, 2,2,4,6,6-pentamethyl-	*	1,300.000	J		
P3115-12	VNJ-325	Solid	4-Butoxy-2,4-dimethyl-2-pentene	*	2,300.000	J		
P3115-12	VNJ-325	Solid	Benzo[e]pyrene	*	3,600.000	J		
P3115-12	VNJ-325	Solid	Decahydro-1,1,4a,5,6-pentamethy	*	2,000.000	J		
P3115-12	VNJ-325	Solid	Hexane, 1-(hexyloxy)-5-methyl-	*	2,500.000	J		
P3115-12	VNJ-325	Solid	Naphthalene, 2,7-dimethyl-	*	2,900.000	J		
P3115-12	VNJ-325	Solid	Oxalic acid, 6-ethyloct-3-yl isohe	*	1,700.000	J		
P3115-12	VNJ-325	Solid	Perylene	*	1,300.000	J		
P3115-12	VNJ-325	Solid	Sulfurous acid, decyl hexyl ester	*	2,900.000	J		
P3115-12	VNJ-325	Solid	unknown13.057	*	7,800.000	J		
P3115-12	VNJ-325	Solid	unknown14.804	*	2,800.000	J		
P3115-12	VNJ-325	Solid	unknown20.809	*	1,300.000	J		
P3115-12	VNJ-325	Solid	unknown22.662	*	2,900.000	J		
P3115-12	VNJ-325	Solid	unknown25.568	*	1,800.000	J		
Total Tics :					54,500.00			
P3115-12	VNJ-325	Solid	1,1-Biphenyl		220.000	J	170	ug/Kg
P3115-12	VNJ-325	Solid	1-Methylnaphthalene		190.000	J	170	ug/Kg
P3115-12	VNJ-325	Solid	2-Methylnaphthalene		220.000	J	160	ug/Kg
P3115-12	VNJ-325	Solid	Acenaphthene		380.000		160	ug/Kg
P3115-12	VNJ-325	Solid	Acenaphthylene		1,200.000		170	ug/Kg
P3115-12	VNJ-325	Solid	Anthracene		2,300.000		170	ug/Kg
P3115-12	VNJ-325	Solid	Benzo(a)anthracene		6,400.000	E	160	ug/Kg
P3115-12	VNJ-325	Solid	Benzo(a)pyrene		5,700.000	E	190	ug/Kg
P3115-12	VNJ-325	Solid	Benzo(b)fluoranthene		11,300.000	E	160	ug/Kg
P3115-12	VNJ-325	Solid	Benzo(g,h,i)perylene		2,500.000		160	ug/Kg
P3115-12	VNJ-325	Solid	Benzo(k)fluoranthene		3,700.000		160	ug/Kg
P3115-12	VNJ-325	Solid	Bis(2-ethylhexyl)phthalate		340.000		180	ug/Kg
P3115-12	VNJ-325	Solid	Carbazole		590.000		160	ug/Kg
P3115-12	VNJ-325	Solid	Chrysene		8,400.000	E	160	ug/Kg
P3115-12	VNJ-325	Solid	Dibenzo(a,h)anthracene		850.000		160	ug/Kg
P3115-12	VNJ-325	Solid	Dibenzofuran		320.000	J	170	ug/Kg
P3115-12	VNJ-325	Solid	Fluoranthene		7,100.000	E	160	ug/Kg
P3115-12	VNJ-325	Solid	Fluorene		340.000		170	ug/Kg
P3115-12	VNJ-325	Solid	Indeno(1,2,3-cd)pyrene		2,500.000		160	ug/Kg
P3115-12	VNJ-325	Solid	Naphthalene		210.000	J	160	ug/Kg
P3115-12	VNJ-325	Solid	Phenanthrene		4,600.000		170	ug/Kg
P3115-12	VNJ-325	Solid	Pyrene		10,300.000	E	170	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM062824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3115-12	VNJ-325	Solid	Total PAH	67,780.000		2640	5440	ug/Kg
Total Svoc :				137,440.00				
Total Concentration:				191,940.00				
Client ID : 20071								
P3115-14	20071	Solid	1,1,5,6-Tetramethyl-1,2,3,4-tetra	22,400.000	J			
P3115-14	20071	Solid	1-(2,2,6-Trimethylcyclohexyl)hex	38,400.000	J			
P3115-14	20071	Solid	1-Bromo-1-methyl-1-silacyclohex	64,600.000	J			
P3115-14	20071	Solid	1-Ethynylcyclododecanol	65,600.000	J			
P3115-14	20071	Solid	4,4-Ethylenebis(2,6-di-tert-butyl	51,000.000	J			
P3115-14	20071	Solid	Decahydro-1,1,4a,5,6-pentamethy	21,700.000	J			
P3115-14	20071	Solid	Decahydro-8a-ethyl-1,1,4a,6-tetra	81,500.000	J			
P3115-14	20071	Solid	Heptadecane, 2,6,10,15-tetramethy	30,500.000	J			
P3115-14	20071	Solid	Hexacosane	79,200.000	J			
P3115-14	20071	Solid	Naphthalene, 1,2,3,4-tetrahydro-1	29,100.000	J			
P3115-14	20071	Solid	Naphthalene, 1,4,5-trimethyl-	88,000.000	J			
P3115-14	20071	Solid	Naphthalene, 2,7-dimethyl-	31,400.000	J			
P3115-14	20071	Solid	Tridecane, 5-propyl-	158,500.000	J			
P3115-14	20071	Solid	Undecane	68,200.000	J			
P3115-14	20071	Solid	unknown13.410	75,600.000	J			
P3115-14	20071	Solid	unknown13.828	122,900.000	J			
P3115-14	20071	Solid	unknown13.963	62,700.000	J			
P3115-14	20071	Solid	unknown14.092	40,400.000	J			
P3115-14	20071	Solid	unknown14.551	105,900.000	J			
P3115-14	20071	Solid	unknown14.798	252,000.000	J			
Total Tics :				1,489,600.00				
P3115-14	20071	Solid	Phenanthrene	33,800.000		10000	20200	ug/Kg
Total Svoc :				33,800.00				
Total Concentration:				1,523,400.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM062724 SAS No.: BM062724 SDG No.: BM062724
Instrument ID: _____ Calibration Date(s): 6/27/2024 : _____
Calibration Time(s): 16:12 _____

LAB FILE ID:		RRF2.5 = BM046334.D			RRF005 = BM046335.D		RRF010 = BM046336.D	
		RRF020 = BM046337.D			RRF040 = BM046338.D		RRF050 = BM046339.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		1.009	1.019	1.095	1.098	1.027	1.038	4.0
Pyridine		1.190	1.322	1.420	1.433	1.360	1.341	6.0
2-Fluorophenol		1.202	1.182	1.258	1.314	1.243	1.244	3.7
Benzaldehyde		1.327	1.287	1.196	1.052	0.898	1.096	19.2
Aniline		1.506	1.573	1.710	1.761	1.601	1.605	5.9
Phenol-d6		1.599	1.679	1.850	1.905	1.776	1.768	5.9
Phenol		1.708	1.639	1.800	1.864	1.729	1.749	4.2
bis(2-Chloroethyl)ether		1.415	1.350	1.427	1.518	1.409	1.420	3.5
2-Chlorophenol		1.322	1.344	1.417	1.470	1.372	1.386	3.6
1,2-Dichlorobenzene		1.544	1.554	1.589	1.641	1.540	1.559	3.0
1,3-Dichlorobenzene		1.485	1.518	1.573	1.606	1.508	1.537	2.9
1,4-Dichlorobenzene		1.622	1.552	1.597	1.636	1.550	1.581	2.7
Benzyl Alcohol		1.256	1.320	1.513	1.615	1.458	1.453	8.6
2-Methylphenol		1.153	1.138	1.262	1.331	1.212	1.220	5.4
2,2-oxybis(1-Chloropropane)		2.426	2.509	2.529	2.557	2.324	2.417	5.1
Acetophenone		0.492	0.525	0.565	0.590	0.560	0.559	6.9
3+4-Methylphenols		1.543	1.614	1.848	1.946	1.760	1.769	8.1
n-Nitroso-di-n-propylamine	1.029	1.206	1.305	1.476	1.516	1.361	1.342	12.0
Nitrobenzene-d5		0.454	0.467	0.489	0.508	0.484	0.482	3.7
Hexachloroethane		0.716	0.710	0.723	0.737	0.693	0.712	2.4
Nitrobenzene		0.465	0.454	0.482	0.498	0.474	0.474	3.0
Isophorone		0.792	0.806	0.846	0.868	0.801	0.818	3.6
2-Nitrophenol		0.128	0.143	0.172	0.188	0.179	0.170	14.7
2,4-Dimethylphenol		0.186	0.205	0.219	0.228	0.213	0.213	6.5
bis(2-Chloroethoxy)methane		0.416	0.429	0.464	0.479	0.448	0.452	5.1
2,4-Dichlorophenol		0.234	0.262	0.296	0.310	0.294	0.287	9.9
1,2,4-Trichlorobenzene		0.312	0.310	0.326	0.337	0.320	0.325	3.7
Benzoic acid			0.158	0.244	0.268	0.252	0.241	17.3
Naphthalene		1.076	1.058	1.105	1.136	1.070	1.096	2.8
4-Chloroaniline		0.314	0.358	0.401	0.418	0.396	0.384	9.4
Hexachlorobutadiene		0.195	0.190	0.202	0.205	0.196	0.200	3.8
Caprolactam		0.088	0.101	0.114	0.115	0.109	0.105	8.9
4-Chloro-3-methylphenol		0.316	0.338	0.370	0.388	0.358	0.357	6.6
2-Methylnaphthalene		0.699	0.721	0.747	0.777	0.729	0.739	3.6
Hexachlorocyclopentadiene			0.170	0.205	0.209	0.209	0.209	12.3
2,4,6-Trichlorophenol		0.281	0.317	0.364	0.371	0.366	0.354	11.6

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM062724 SAS No.: BM062724 SDG No.: BM062724
Instrument ID: _____ Calibration Date(s): 6/27/2024 : _____
Calibration Time(s): 16:12 _____

LAB FILE ID:		RRF2.5 = BM046334.D			RRF005 = BM046335.D		RRF010 = BM046336.D	
		RRF020 = BM046337.D			RRF040 = BM046338.D		RRF050 = BM046339.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.365	1.355	1.461	1.518	1.460	1.476	6.7
2,4,5-Trichlorophenol		0.395	0.382	0.402	0.424	0.398	0.408	4.7
1,1-Biphenyl		1.426	1.415	1.487	1.543	1.478	1.497	4.5
2-Chloronaphthalene		1.086	1.082	1.174	1.205	1.159	1.162	5.1
2-Nitroaniline		0.382	0.417	0.481	0.502	0.480	0.461	9.5
Dimethylphthalate		1.365	1.400	1.484	1.532	1.464	1.462	4.0
Acenaphthylene		1.650	1.681	1.797	1.863	1.801	1.792	5.2
2,6-Dinitrotoluene		0.288	0.309	0.334	0.345	0.332	0.326	6.1
3-Nitroaniline		0.266	0.296	0.342	0.359	0.346	0.329	10.7
Acenaphthene		1.053	1.044	1.120	1.153	1.110	1.114	4.4
2,4-Dinitrophenol			0.106	0.164	0.184	0.178	0.169	19.4
4-Nitrophenol			0.151	0.251	0.275	0.265	0.245	19.5
Dibenzofuran		1.681	1.681	1.797	1.857	1.778	1.785	4.3
2,4-Dinitrotoluene		0.395	0.419	0.489	0.514	0.491	0.471	9.7
Diethylphthalate		1.511	1.564	1.636	1.693	1.613	1.608	3.6
4-Chlorophenyl-phenylether		0.645	0.649	0.702	0.744	0.709	0.711	7.0
Fluorene		1.391	1.407	1.533	1.608	1.535	1.527	6.1
4-Nitroaniline		0.247	0.286	0.344	0.368	0.350	0.323	13.7
4,6-Dinitro-2-methylphenol			0.085	0.116	0.127	0.120	0.119	15.0
n-Nitrosodiphenylamine		0.523	0.541	0.575	0.600	0.570	0.581	7.9
Azobenzene		1.837	1.899	2.006	2.018	1.903	1.917	3.6
2,4,6-Tribromophenol		0.206	0.230	0.259	0.264	0.252	0.243	8.1
4-Bromophenyl-phenylether		0.188	0.189	0.205	0.210	0.199	0.204	7.3
Hexachlorobenzene		0.230	0.226	0.243	0.246	0.236	0.241	5.3
Atrazine		0.173	0.176	0.188	0.163	0.152	0.161	12.5
Pentachlorophenol		0.116	0.131	0.159	0.168	0.157	0.152	13.1
Phenanthrene		1.014	1.004	1.066	1.106	1.055	1.064	4.0
Anthracene		0.952	0.975	1.045	1.085	1.032	1.035	5.1
Carbazole		0.942	0.957	1.045	1.085	1.040	1.019	5.5
Di-n-butylphthalate		1.161	1.246	1.410	1.488	1.393	1.370	8.9
Fluoranthene		1.177	1.217	1.296	1.353	1.285	1.258	6.4
Benzidine		0.193	0.119	0.157	0.270	0.222	0.208	31.0
Pyrene		1.238	1.238	1.379	1.406	1.333	1.389	11.4
Terphenyl-d14		1.006	1.043	1.198	1.262	1.184	1.209	13.7
Butylbenzylphthalate		0.522	0.555	0.663	0.701	0.658	0.654	13.1
3,3-Dichlorobenzidine		0.386	0.388	0.446	0.465	0.437	0.421	7.1

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.: BM062724 SAS No.: BM062724 SDG No.: BM062724
Instrument ID: _____ Calibration Date(s): 6/27/2024 : _____
Calibration Time(s): 16:12 _____

LAB FILE ID:		RRF2.5 = BM046334.D			RRF005 = BM046335.D		RRF010 = BM046336.D	
		RRF020 = BM046337.D			RRF040 = BM046338.D		RRF050 = BM046339.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.244	1.251	1.320	1.335	1.306	1.312	3.7
Chrysene		1.201	1.202	1.266	1.297	1.247	1.255	3.2
Bis(2-ethylhexyl)phthalate		0.767	0.847	1.039	1.130	1.046	1.019	15.1
Di-n-octyl phthalate		1.355	1.478	1.692	1.818	1.723	1.652	10.6
Benzo(b)fluoranthene		1.020	1.061	1.230	1.277	1.167	1.185	9.0
Benzo(k)fluoranthene		1.105	1.107	1.192	1.248	1.145	1.178	5.0
Benzo(a)pyrene		0.941	0.952	1.049	1.101	1.041	1.040	6.6
Indeno(1,2,3-cd)pyrene		1.267	1.279	1.257	1.219	1.332	1.283	4.6
Dibenzo(a,h)anthracene		1.048	1.043	1.040	1.022	1.123	1.071	4.7
Benzo(g,h,i)perylene		1.078	1.060	1.024	0.979	1.118	1.061	6.4
1,2,4,5-Tetrachlorobenzene		0.514	0.495	0.532	0.536	0.534	0.534	4.9
1,4-Dioxane		0.543	0.525	0.462	0.481	0.461	0.480	8.3
2,3,4,6-Tetrachlorophenol		0.332	0.334	0.353	0.361	0.343	0.344	3.0
1-Methylnaphthalene		0.710	0.700	0.740	0.764	0.710	0.731	3.4

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM062824 SAS No.: BM062824 SDG NO.: BM062824

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

Lab File ID: BM046338.D Time Analyzed: 10:18

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	120330	7.375	559161	10.13	367073	14.02
UPPER LIMIT	240660	7.875	1118322	10.628	734146	14.522
LOWER LIMIT	60165	6.875	279580.5	9.628	183536.5	13.522
EPA SAMPLE NO.						
01 PB161765BL	71062	7.38	282914	10.15	181506 *	14.03
02 PB161765BS	71082	7.37	341375	10.13	231491	14.02
03 PB161624BS	71858	7.37	335507	10.13	228125	14.02
04 7-S-1	119708	7.37	470683	10.14	282811	14.02
05 7-S-1MS	135032	7.37	579089	10.12	352305	14.02
06 7-S-1MSD	136658	7.37	584856	10.12	353848	14.02
07 EO-01-062424	143990	7.38	590298	10.14	332046	14.02
08 EO-01-062424MS	150395	7.37	616375	10.13	352947	14.02
09 EO-01-062424MSD	148223	7.38	603309	10.13	333080	14.02
10 HD-02-062524	153119	7.38	598334	10.13	314213	14.02
11 SHOP-RAG-DRUM	161166	7.37	637977	10.13	344793	14.02
12 1A	161284	7.38	653120	10.13	355224	14.02
13 7-E-1	155492	7.37	621505	10.13	332974	14.02
14 VNJ-325	162815	7.38	635301	10.13	449200	14.02
15 20071	136801	7.38	559625	10.13	376029	14.02

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.: BM062824 SAS No.: BM062824 SDG NO.: BM062824

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

Lab File ID: BM046345.D Time Analyzed: 10:18

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	91990	7.369	434789	10.13	283817	14.02
	UPPER LIMIT	183980	7.869	869578	10.628	567634	14.516
	LOWER LIMIT	45995	6.869	217394.5	9.628	141908.5	13.516
	EPA SAMPLE NO.						
01	PB161765BL	71062	7.38	282914	10.15	181506	14.03
02	PB161765BS	71082	7.37	341375	10.13	231491	14.02
03	PB161624BS	71858	7.37	335507	10.13	228125	14.02
04	7-S-1	119708	7.37	470683	10.14	282811	14.02
05	7-S-1MS	135032	7.37	579089	10.12	352305	14.02
06	7-S-1MSD	136658	7.37	584856	10.12	353848	14.02
07	EO-01-062424	143990	7.38	590298	10.14	332046	14.02
08	EO-01-062424MS	150395	7.37	616375	10.13	352947	14.02
09	EO-01-062424MSD	148223	7.38	603309	10.13	333080	14.02
10	HD-02-062524	153119	7.38	598334	10.13	314213	14.02
11	SHOP-RAG-DRUM	161166	7.37	637977	10.13	344793	14.02
12	1A	161284	7.38	653120	10.13	355224	14.02
13	7-E-1	155492	7.37	621505	10.13	332974	14.02
14	VNJ-325	162815	7.38	635301	10.13	449200	14.02
15	20071	136801	7.38	559625	10.13	376029	14.02

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM062824 SAS No.: BM062824 SDG NO.: BM062824

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

Lab File ID: BM046338.D Time Analyzed: 10:18

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	759168	16.774	759826	20.998	815168	23.674
	UPPER LIMIT	1518336	17.274	1519652	21.498	1630336	24.174
	LOWER LIMIT	379584	16.274	379913	20.498	407584	23.174
	EPA SAMPLE NO.						
01	PB161765BL	391796	16.79	364180 *	21.00	444828	23.67
02	PB161765BS	490497	16.77	504829	20.99	576222	23.67
03	PB161624BS	489411	16.77	527959	21.00	604651	23.67
04	7-S-1	561315	16.77	457522	20.99	470744	23.66
05	7-S-1MS	699168	16.77	550418	20.99	539540	23.66
06	7-S-1MSD	715482	16.77	584643	21.00	560170	23.66
07	EO-01-062424	624413	16.77	423111	20.99	475420	23.66
08	EO-01-062424MS	645679	16.77	442794	20.99	484697	23.66
09	EO-01-062424MSD	574086	16.77	386657	20.99	464225	23.66
10	HD-02-062524	510851	16.77	364985 *	20.99	459526	23.66
11	SHOP-RAG-DRUM	585439	16.77	391731	20.99	478352	23.66
12	1A	601293	16.77	418085	20.99	508852	23.66
13	7-E-1	547699	16.77	397946	20.99	502454	23.67
14	VNJ-325	591430	16.80	495433	21.00	540807	23.67
15	20071	684708	16.78	399335	20.99	462733	23.67

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM062824 SAS No.: BM062824 SDG NO.: BM062824

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

Lab File ID: BM046338.D Time Analyzed: 20:02

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	759168	16.774	759826	20.998	815168	23.674
UPPER LIMIT	1518336	17.274	1519652	21.498	1630336	24.174
LOWER LIMIT	379584	16.274	379913	20.498	407584	23.174
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM062824 SAS No.: BM062824 SDG NO.: BM062824

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

Lab File ID: BM046345.D Time Analyzed: 10:18

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	588883	16.774	591891	20.997	690318	23.668
UPPER LIMIT	1177766	17.274	1183782	21.497	1380636	24.168
LOWER LIMIT	294441.5	16.274	295945.5	20.497	345159	23.168
EPA SAMPLE NO.						
01 PB161765BL	391796	16.79	364180	21.00	444828	23.67
02 PB161765BS	490497	16.77	504829	20.99	576222	23.67
03 PB161624BS	489411	16.77	527959	21.00	604651	23.67
04 7-S-1	561315	16.77	457522	20.99	470744	23.66
05 7-S-1MS	699168	16.77	550418	20.99	539540	23.66
06 7-S-1MSD	715482	16.77	584643	21.00	560170	23.66
07 EO-01-062424	624413	16.77	423111	20.99	475420	23.66
08 EO-01-062424MS	645679	16.77	442794	20.99	484697	23.66
09 EO-01-062424MSD	574086	16.77	386657	20.99	464225	23.66
10 HD-02-062524	510851	16.77	364985	20.99	459526	23.66
11 SHOP-RAG-DRUM	585439	16.77	391731	20.99	478352	23.66
12 1A	601293	16.77	418085	20.99	508852	23.66
13 7-E-1	547699	16.77	397946	20.99	502454	23.67
14 VNJ-325	591430	16.80	495433	21.00	540807	23.67
15 20071	684708	16.78	399335	20.99	462733	23.67

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM062824 SAS No.: BM062824 SDG NO.: BM062824

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

Lab File ID: BM046345.D Time Analyzed: 20:02

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	588883	16.774	591891	20.997	690318	23.668
UPPER LIMIT	1177766	17.274	1183782	21.497	1380636	24.168
LOWER LIMIT	294441.5	16.274	295945.5	20.497	345159	23.168
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.: **BM062824**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB161624BS	n-Nitrosodimethylamine	1700	1500	ug/Kg	88				57	103	
	Pyridine	1700	1100	ug/Kg	65				28	98	
	Benzaldehyde	1700		ug/Kg	0		*		10	147	
	Aniline	1700	1100	ug/Kg	65				38	100	
	Phenol	1700	1800	ug/Kg	106				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1700	ug/Kg	100				65	112	
	1,2-Dichlorobenzene	1700	1400	ug/Kg	82				51	102	
	1,3-Dichlorobenzene	1700	1400	ug/Kg	82				52	99	
	1,4-Dichlorobenzene	1700	1400	ug/Kg	82				52	100	
	Benzyl Alcohol	1700	1700	ug/Kg	100				42	116	
	2-Methylphenol	1700	1700	ug/Kg	100				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1600	ug/Kg	94				51	100	
	Acetophenone	1700	1500	ug/Kg	88				55	104	
	3+4-Methylphenols	1700	1700	ug/Kg	100				58	111	
	N-Nitroso-di-n-propylamine	1700	1600	ug/Kg	94				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1800	ug/Kg	106				67	119	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				53	105	
	2,4-Dichlorophenol	1700	1700	ug/Kg	100				62	107	
	1,2,4-Trichlorobenzene	1700	1400	ug/Kg	82				44	110	
	Benzoic acid	1700	1500	ug/Kg	88				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	890	ug/Kg	52				16	100	
	Hexachlorobutadiene	1700	1300	ug/Kg	76				53	98	
	Caprolactam	1700	1700	ug/Kg	100				67	110	
	4-Chloro-3-methylphenol	1700	1700	ug/Kg	100				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	3700	ug/Kg	112				45	134	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1700	ug/Kg	100				66	101	
	Dimethylphthalate	1700	1600	ug/Kg	94				61	99	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	1200	ug/Kg	71				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Total PAH	27200	26000	ug/Kg	96				57	104	
	2,4-Dinitrophenol	3300	3300	ug/Kg	100				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BM062824**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB161624BS	4-Nitrophenol	3300	3500	ug/Kg	106				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene/2,6-Dinitroto	3400	3100	ug/Kg	91				60	106	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	Diethylphthalate	1700	1600	ug/Kg	94				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1600	ug/Kg	94				64	103	
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				56	107	
	Azobenzene	1700	1600	ug/Kg	94				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				55	99	
	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1800	ug/Kg	106				67	113	
	Pentachlorophenol	3300	3400	ug/Kg	103				67	105	
	Phenanthrene	1700	1600	ug/Kg	94				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Benzidine	3300	1500	ug/Kg	45				10	98	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	1400	ug/Kg	82				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1400	ug/Kg	82				63	111	
	Di-n-octyl phthalate	1700	1700	ug/Kg	100				70	108	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(a)pyrene	1700	1800	ug/Kg	106		*		63	103	
	Indeno(1,2,3-cd)pyrene	1700	1800	ug/Kg	106		*		63	101	
	Dibenz(a,h)anthracene	1700	1800	ug/Kg	106				61	112	
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1700	ug/Kg	100				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BM062824**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB161765BS	n-Nitrosodimethylamine	1700	1600	ug/Kg	94				57	103	
	Pyridine	1700	1200	ug/Kg	71				28	98	
	Benzaldehyde	1700	0	ug/Kg	0		*		10	147	
	Aniline	1700	1100	ug/Kg	65				38	100	
	Phenol	1700	1900	ug/Kg	112				62	112	
	bis(2-Chloroethyl)ether	1700	1700	ug/Kg	100				60	101	
	2-Chlorophenol	1700	1800	ug/Kg	106				65	112	
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88				51	102	
	1,3-Dichlorobenzene	1700	1500	ug/Kg	88				52	99	
	1,4-Dichlorobenzene	1700	1500	ug/Kg	88				52	100	
	Benzyl Alcohol	1700	1800	ug/Kg	106				42	116	
	2-Methylphenol	1700	1800	ug/Kg	106				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1700	ug/Kg	100				51	100	
	Acetophenone	1700	1500	ug/Kg	88				55	104	
	3+4-Methylphenols	1700	1800	ug/Kg	106				58	111	
	N-Nitroso-di-n-propylamine	1700	1700	ug/Kg	100		*		63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1900	ug/Kg	112				67	119	
	bis(2-Chloroethoxy)methane	1700	1600	ug/Kg	94				53	105	
	2,4-Dichlorophenol	1700	1800	ug/Kg	106				62	107	
	1,2,4-Trichlorobenzene	1700	1500	ug/Kg	88				44	110	
	Benzoic acid	1700	1500	ug/Kg	88				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	910	ug/Kg	54				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1700	ug/Kg	100				67	110	
	4-Chloro-3-methylphenol	1700	1800	ug/Kg	106				58	112	
	2-Methylnaphthalene	1700	1600	ug/Kg	94				60	104	
	Hexachlorocyclopentadiene	3300	4000	ug/Kg	121				45	134	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				59	102	
	2,4,5-Trichlorophenol	1700	1700	ug/Kg	100		*		61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1700	ug/Kg	100				66	101	
	Dimethylphthalate	1700	1600	ug/Kg	94				61	99	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104	
	3-Nitroaniline	1700	1200	ug/Kg	71				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	Total PAH	27200	27300	ug/Kg	100				57	104	
	2,4-Dinitrophenol	3300	3300	ug/Kg	100				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM062824

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits		RPD
								Qual		High		
PB161765BS	4-Nitrophenol	3300	3500	ug/Kg	106				48	119		
	Dibenzofuran	1700	1600	ug/Kg	94				63	99		
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				60	106		
	2,4-Dinitrotoluene/2,6-Dinitrotr	3400	3300	ug/Kg	97				60	106		
	Diethylphthalate	1700	1600	ug/Kg	94				60	101		
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				58	98		
	Fluorene	1700	1600	ug/Kg	94				61	101		
	4-Nitroaniline	1700	1600	ug/Kg	94				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	1700	ug/Kg	100				54	103		
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				55	99		
	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98		
	Atrazine	1700	1900	ug/Kg	112				67	113		
	Pentachlorophenol	3300	3600	ug/Kg	109		*		67	105		
	Phenanthrene	1700	1700	ug/Kg	100				59	103		
	Anthracene	1700	1700	ug/Kg	100				61	105		
	Carbazole	1700	1700	ug/Kg	100		*		61	99		
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104		
	Fluoranthene	1700	1600	ug/Kg	94				57	107		
	Benzidine	3300	1500	ug/Kg	45				10	98		
	Pyrene	1700	1500	ug/Kg	88				59	103		
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103		
	3,3-Dichlorobenzidine	1700	1500	ug/Kg	88				42	91		
	Benzo(a)anthracene	1700	1700	ug/Kg	100				60	102		
	Chrysene	1700	1700	ug/Kg	100				59	101		
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				63	111		
	Di-n-octyl phthalate	1700	1700	ug/Kg	100				70	108		
	Benzo(b)fluoranthene	1700	1800	ug/Kg	106				62	109		
	Benzo(k)fluoranthene	1700	1800	ug/Kg	106				62	109		
	Benzo(a)pyrene	1700	1900	ug/Kg	112		*		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	1700	ug/Kg	100				70	108		
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101		
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96		
	2,3,4,6-Tetrachlorophenol	1700	1700	ug/Kg	100				59	108		
	1-Methylnaphthalene	1700	1500	ug/Kg	88				70	130		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161624BS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM062824

SAS No.: BM062824 SDG NO.: BM062824

Lab File ID: BM046348.D

Lab Sample ID: PB161624BS

Instrument ID: BNA_M

Date Extracted: 06/21/2024

Matrix: (soil/water) Solid

Date Analyzed: 06/28/2024

Level: (low/med) LOW

Time Analyzed: 11:57

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB161624BS	PB161624BS	BM046348.D	06/28/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

EO-01-062424

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM062824

SAS No.: BM062824 SDG NO.: BM062824

Lab File ID: BM046352.D

Lab Sample ID: P3047-01

Instrument ID: BNA_M

Date Extracted: 06/25/2024

Matrix: (soil/water) Solid

Date Analyzed: 06/28/2024

Level: (low/med) LOW

Time Analyzed: 14:44

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
EO-01-062424	P3047-01	BM046352.D	06/28/2024
EO-01-062424MS	P3047-01MS	BM046353.D	06/28/2024
EO-01-062424MSD	P3047-01MSD	BM046354.D	06/28/2024
SHOP-RAG-DRUM	P3049-01	BM046356.D	06/28/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

1A

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM062824

SAS No.: BM062824 SDG NO.: BM062824

Lab File ID: BM046357.D

Lab Sample ID: P3053-01

Instrument ID: BNA_M

Date Extracted: 06/26/2024

Matrix: (soil/water) Solid

Date Analyzed: 06/28/2024

Level: (low/med) LOW

Time Analyzed: 18:03

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1A	P3053-01	BM046357.D	06/28/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161765BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM062824

SAS No.: BM062824 SDG NO.: BM062824

Lab File ID: BM046346.D

Lab Sample ID: PB161765BL

Instrument ID: BNA_M

Date Extracted: 06/27/2024

Matrix: (soil/water) Solid

Date Analyzed: 06/28/2024

Level: (low/med) LOW

Time Analyzed: 10:18

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB161765BS	PB161765BS	BM046347.D	06/28/2024
7-E-1	P3076-07	BM046358.D	06/28/2024
HD-02-062524	P3064-01	BM046355.D	06/28/2024
7-S-1	P3076-10	BM046349.D	06/28/2024
7-S-1MS	P3076-10MS	BM046350.D	06/28/2024
7-S-1MSD	P3076-10MSD	BM046351.D	06/28/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VNJ-325

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM062824

SAS No.: BM062824 SDG NO.: BM062824

Lab File ID: BM046359.D

Lab Sample ID: P3115-12

Instrument ID: BNA_M

Date Extracted: 06/28/2024

Matrix: (soil/water) Solid

Date Analyzed: 06/28/2024

Level: (low/med) LOW

Time Analyzed: 19:23

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VNJ-325	P3115-12	BM046359.D	06/28/2024
20071	P3115-14	BM046360.D	06/28/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM062824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3076-10MS		Client Sample ID: 7-S-1MS		DataFile: BM046350.D							
n-Nitrosodimethylamine	1800		1600	ug/Kg	89				66	124	
Pyridine	1800		1400	ug/Kg	78				45	119	
Benzaldehyde	1800		340	ug/Kg	19	*			26	163	
Aniline	1800		1100	ug/Kg	61				10	88	
Phenol	1800		1800	ug/Kg	100				67	126	
bis(2-Chloroethyl)ether	1800		1700	ug/Kg	94				74	116	
2-Chlorophenol	1800		1800	ug/Kg	100				61	138	
1,2-Dichlorobenzene	1800		1600	ug/Kg	89				61	105	
1,3-Dichlorobenzene	1800		1600	ug/Kg	89				62	101	
1,4-Dichlorobenzene	1800		1600	ug/Kg	89				63	104	
Benzyl Alcohol	1800		1700	ug/Kg	94				47	126	
2-Methylphenol	1800		1700	ug/Kg	94				66	122	
2,2-oxybis(1-Chloropropane)	1800		1700	ug/Kg	94				52	115	
Acetophenone	1800		1500	ug/Kg	83				75	111	
3+4-Methylphenols	1800		1700	ug/Kg	94				53	132	
N-Nitroso-di-n-propylamine	1800		1600	ug/Kg	89				59	119	
Hexachloroethane	1800		1600	ug/Kg	89				65	117	
Nitrobenzene	1800		1600	ug/Kg	89				70	119	
Isophorone	1800		1600	ug/Kg	89				76	122	
2-Nitrophenol	1800		1800	ug/Kg	100				54	145	
2,4-Dimethylphenol	1800		2000	ug/Kg	111				83	144	
bis(2-Chloroethoxy)methane	1800		1700	ug/Kg	94				68	112	
2,4-Dichlorophenol	1800		1900	ug/Kg	106				72	118	
1,2,4-Trichlorobenzene	1800		1700	ug/Kg	94				57	103	
Benzoic acid	1800		1500	ug/Kg	83				50	104	
Naphthalene	1800		1600	ug/Kg	89				72	110	
4-Chloroaniline	1800		660	ug/Kg	37				10	100	
Hexachlorobutadiene	1800		1600	ug/Kg	89				66	114	
Caprolactam	1800		1500	ug/Kg	83				51	134	
4-Chloro-3-methylphenol	1800		1700	ug/Kg	94				57	132	
2-Methylnaphthalene	1800		1600	ug/Kg	89				59	123	
Hexachlorocyclopentadiene	3700		4300	ug/Kg	116				10	175	
2,4,6-Trichlorophenol	1800		1900	ug/Kg	106				72	117	
2,4,5-Trichlorophenol	1800		1800	ug/Kg	100				72	117	
1,1-Biphenyl	1800		1600	ug/Kg	89				75	113	
2-Chloronaphthalene	1800		1700	ug/Kg	94				67	118	
2-Nitroaniline	1800		1800	ug/Kg	100				69	127	
Dimethylphthalate	1800		1700	ug/Kg	94				70	113	
Acenaphthylene	1800		1900	ug/Kg	106				79	118	
2,6-Dinitrotoluene	1800		1600	ug/Kg	89				70	125	
3-Nitroaniline	1800		1200	ug/Kg	67				20	111	
Acenaphthene	1800		1700	ug/Kg	94				70	121	
Total PAH	28800	0	28900	ug/Kg	100				70	121	
2,4-Dinitrophenol	3700		2900	ug/Kg	78				16	160	
4-Nitrophenol	3700		3300	ug/Kg	89				45	133	
Dibenzofuran	1800		1700	ug/Kg	94				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM062824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1800		1700	ug/Kg	94				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	3600		3300	ug/Kg	92				55	128	
Diethylphthalate	1800		1700	ug/Kg	94				70	112	
4-Chlorophenyl-phenylether	1800		1700	ug/Kg	94				71	108	
Fluorene	1800		1700	ug/Kg	94				68	116	
4-Nitroaniline	1800		1600	ug/Kg	89				55	120	
4,6-Dinitro-2-methylphenol	1800		1500	ug/Kg	83				32	145	
N-Nitrosodiphenylamine	1800		1800	ug/Kg	100				73	118	
Azobenzene	1800		1700	ug/Kg	94				73	110	
4-Bromophenyl-phenylether	1800		1700	ug/Kg	94				65	121	
Hexachlorobenzene	1800		1700	ug/Kg	94				67	118	
Atrazine	1800		2100	ug/Kg	117				79	127	
Pentachlorophenol	3700		3600	ug/Kg	97				47	128	
Phenanthrene	1800		1800	ug/Kg	100				72	113	
Anthracene	1800		1800	ug/Kg	100				62	124	
Carbazole	1800		1700	ug/Kg	94				59	119	
Di-n-butylphthalate	1800		1900	ug/Kg	106				69	118	
Fluoranthene	1800	0	1700	ug/Kg	89				59	125	
Benzidine	3700		4500	ug/Kg	122	*			10	119	
Pyrene	1800	0	2100	ug/Kg	111				52	128	
Butylbenzylphthalate	1800		2200	ug/Kg	122				64	126	
3,3-Dichlorobenzidine	1800		1400	ug/Kg	78				10	164	
Benzo(a)anthracene	1800		1800	ug/Kg	100				71	114	
Chrysene	1800		1800	ug/Kg	100				57	121	
bis(2-Ethylhexyl)phthalate	1800	100	2000	ug/Kg	106				66	127	
Di-n-octyl phthalate	1800		2000	ug/Kg	111				71	126	
Benzo(b)fluoranthene	1800		1800	ug/Kg	100				67	121	
Benzo(k)fluoranthene	1800		1800	ug/Kg	100				74	114	
Benzo(a)pyrene	1800		1900	ug/Kg	106				70	142	
Indeno(1,2,3-cd)pyrene	1800		1900	ug/Kg	106				61	125	
Dibenz(a,h)anthracene	1800		1800	ug/Kg	100				67	130	
Benzo(g,h,i)perylene	1800		1800	ug/Kg	100				53	140	
1,2,4,5-Tetrachlorobenzene	1800		1600	ug/Kg	89				69	124	
1,4-Dioxane	1800		1400	ug/Kg	78				46	112	
2,3,4,6-Tetrachlorophenol	1800		1800	ug/Kg	100				56	133	
1-Methylnaphthalene	1800		1500	ug/Kg	83				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM062824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3076-10MSD		Client Sample ID: 7-S-1MSD		DataFile: BM046351.D							
n-Nitrosodimethylamine	1800		1700	ug/Kg	94	5			66	124	20
Pyridine	1800		1500	ug/Kg	83	6			45	119	20
Benzaldehyde	1800		350	ug/Kg	19	*	0		26	163	20
Aniline	1800		1300	ug/Kg	72	17			10	88	20
Phenol	1800		1900	ug/Kg	106	6			67	126	20
bis(2-Chloroethyl)ether	1800		1800	ug/Kg	100	6			74	116	20
2-Chlorophenol	1800		1800	ug/Kg	100	0			61	138	20
1,2-Dichlorobenzene	1800		1600	ug/Kg	89	0			61	105	20
1,3-Dichlorobenzene	1800		1700	ug/Kg	94	5			62	101	20
1,4-Dichlorobenzene	1800		1700	ug/Kg	94	5			63	104	20
Benzyl Alcohol	1800		1700	ug/Kg	94	0			47	126	20
2-Methylphenol	1800		1800	ug/Kg	100	6			66	122	20
2,2-oxybis(1-Chloropropane)	1800		1700	ug/Kg	94	0			52	115	20
Acetophenone	1800		1600	ug/Kg	89	7			75	111	20
3+4-Methylphenols	1800		1700	ug/Kg	94	0			53	132	20
N-Nitroso-di-n-propylamine	1800		1700	ug/Kg	94	5			59	119	20
Hexachloroethane	1800		1600	ug/Kg	89	0			65	117	20
Nitrobenzene	1800		1600	ug/Kg	89	0			70	119	20
Isophorone	1800		1700	ug/Kg	94	5			76	122	20
2-Nitrophenol	1800		1900	ug/Kg	106	6			54	145	20
2,4-Dimethylphenol	1800		2000	ug/Kg	111	0			83	144	20
bis(2-Chloroethoxy)methane	1800		1700	ug/Kg	94	0			68	112	20
2,4-Dichlorophenol	1800		1900	ug/Kg	106	0			72	118	20
1,2,4-Trichlorobenzene	1800		1700	ug/Kg	94	0			57	103	20
Benzoic acid	1800		1500	ug/Kg	83	0			50	104	20
Naphthalene	1800		1700	ug/Kg	94	5			72	110	20
4-Chloroaniline	1800		770	ug/Kg	43	15			10	100	20
Hexachlorobutadiene	1800		1600	ug/Kg	89	0			66	114	20
Caprolactam	1800		1600	ug/Kg	89	7			51	134	20
4-Chloro-3-methylphenol	1800		1800	ug/Kg	100	6			57	132	20
2-Methylnaphthalene	1800		1700	ug/Kg	94	5			59	123	20
Hexachlorocyclopentadiene	3700		4000	ug/Kg	108	7			10	175	20
2,4,6-Trichlorophenol	1800		1900	ug/Kg	106	0			72	117	20
2,4,5-Trichlorophenol	1800		1800	ug/Kg	100	0			72	117	20
1,1-Biphenyl	1800		1600	ug/Kg	89	0			75	113	20
2-Chloronaphthalene	1800		1700	ug/Kg	94	0			67	118	20
2-Nitroaniline	1800		1800	ug/Kg	100	0			69	127	20
Dimethylphthalate	1800		1800	ug/Kg	100	6			70	113	20
Acenaphthylene	1800		1900	ug/Kg	106	0			79	118	20
2,6-Dinitrotoluene	1800		1700	ug/Kg	94	5			70	125	20
3-Nitroaniline	1800		1300	ug/Kg	72	7			20	111	20
Acenaphthene	1800		1700	ug/Kg	94	0			70	121	20
Total PAH	28800	0	29600	ug/Kg	103	3			70	121	20
2,4-Dinitrophenol	3700		2900	ug/Kg	78	0			16	160	20
4-Nitrophenol	3700		3500	ug/Kg	95	7			45	133	20
Dibenzofuran	1800		1800	ug/Kg	100	6			72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM062824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1800		1700	ug/Kg	94		0		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	3600		3400	ug/Kg	94		2		55	128	20
Diethylphthalate	1800		1800	ug/Kg	100		6		70	112	20
4-Chlorophenyl-phenylether	1800		1800	ug/Kg	100		6		71	108	20
Fluorene	1800		1800	ug/Kg	100		6		68	116	20
4-Nitroaniline	1800		1700	ug/Kg	94		5		55	120	20
4,6-Dinitro-2-methylphenol	1800		1500	ug/Kg	83		0		32	145	20
N-Nitrosodiphenylamine	1800		1800	ug/Kg	100		0		73	118	20
Azobenzene	1800		1800	ug/Kg	100		6		73	110	20
4-Bromophenyl-phenylether	1800		1800	ug/Kg	100		6		65	121	20
Hexachlorobenzene	1800		1700	ug/Kg	94		0		67	118	20
Atrazine	1800		2100	ug/Kg	117		0		79	127	20
Pentachlorophenol	3700		3700	ug/Kg	100		3		47	128	20
Phenanthrene	1800		1900	ug/Kg	106		6		72	113	20
Anthracene	1800		1900	ug/Kg	106		6		62	124	20
Carbazole	1800		1800	ug/Kg	100		6		59	119	20
Di-n-butylphthalate	1800		1900	ug/Kg	106		0		69	118	20
Fluoranthene	1800	0	1800	ug/Kg	95		7		59	125	20
Benzidine	3700		5100	ug/Kg	138	*	12		10	119	20
Pyrene	1800	0	2100	ug/Kg	111		0		52	128	20
Butylbenzylphthalate	1800		2300	ug/Kg	128	*	5		64	126	20
3,3-Dichlorobenzidine	1800		1600	ug/Kg	89		13		10	164	20
Benzo(a)anthracene	1800		1900	ug/Kg	106		6		71	114	20
Chrysene	1800		1800	ug/Kg	100		0		57	121	20
bis(2-Ethylhexyl)phthalate	1800	100	2100	ug/Kg	111		5		66	127	20
Di-n-octyl phthalate	1800		2100	ug/Kg	117		5		71	126	20
Benzo(b)fluoranthene	1800		1800	ug/Kg	100		0		67	121	20
Benzo(k)fluoranthene	1800		1900	ug/Kg	106		6		74	114	20
Benzo(a)pyrene	1800		1900	ug/Kg	106		0		70	142	20
Indeno(1,2,3-cd)pyrene	1800		1900	ug/Kg	106		0		61	125	20
Dibenz(a,h)anthracene	1800		1800	ug/Kg	100		0		67	130	20
Benzo(g,h,i)perylene	1800		1800	ug/Kg	100		0		53	140	20
1,2,4,5-Tetrachlorobenzene	1800		1700	ug/Kg	94		5		69	124	20
1,4-Dioxane	1800		1400	ug/Kg	78		0		46	112	20
2,3,4,6-Tetrachlorophenol	1800		1900	ug/Kg	106		6		56	133	20
1-Methylnaphthalene	1800		1600	ug/Kg	89		7		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM062824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3047-01MS		Client Sample ID: EO-01-062424MS		DataFile: BM046353.D							
n-Nitrosodimethylamine	1100		890	ug/Kg	81				66	124	
Pyridine	1100		730	ug/Kg	66				45	119	
Benzaldehyde	1100			ug/Kg	0	*			26	163	
Aniline	1100		650	ug/Kg	59				10	88	
Phenol	1100		980	ug/Kg	89				67	126	
bis(2-Chloroethyl)ether	1100		1000	ug/Kg	91				74	116	
2-Chlorophenol	1100		1000	ug/Kg	91				61	138	
1,2-Dichlorobenzene	1100		1000	ug/Kg	91				61	105	
1,3-Dichlorobenzene	1100		990	ug/Kg	90				62	101	
1,4-Dichlorobenzene	1100		1000	ug/Kg	91				63	104	
Benzyl Alcohol	1100		820	ug/Kg	75				47	126	
2-Methylphenol	1100		970	ug/Kg	88				66	122	
2,2-oxybis(1-Chloropropane)	1100		1100	ug/Kg	100				52	115	
Acetophenone	1100		880	ug/Kg	80				75	111	
3+4-Methylphenols	1100		890	ug/Kg	81				53	132	
N-Nitroso-di-n-propylamine	1100		890	ug/Kg	81				59	119	
Hexachloroethane	1100		960	ug/Kg	87				65	117	
Nitrobenzene	1100		920	ug/Kg	84				70	119	
Isophorone	1100		960	ug/Kg	87				76	122	
2-Nitrophenol	1100		900	ug/Kg	82				54	145	
2,4-Dimethylphenol	1100		1100	ug/Kg	100				83	144	
bis(2-Chloroethoxy)methane	1100		970	ug/Kg	88				68	112	
2,4-Dichlorophenol	1100		920	ug/Kg	84				72	118	
1,2,4-Trichlorobenzene	1100		990	ug/Kg	90				57	103	
Benzoic acid	1100		0	ug/Kg	0	*			50	104	
Naphthalene	1100		1200	ug/Kg	109				72	110	
4-Chloroaniline	1100		670	ug/Kg	61				10	100	
Hexachlorobutadiene	1100		1000	ug/Kg	91				66	114	
Caprolactam	1100		740	ug/Kg	67				51	134	
4-Chloro-3-methylphenol	1100		860	ug/Kg	78				57	132	
2-Methylnaphthalene	1100		1300	ug/Kg	118				59	123	
Hexachlorocyclopentadiene	2100		0	ug/Kg	0	*			10	175	
2,4,6-Trichlorophenol	1100		1000	ug/Kg	91				72	117	
2,4,5-Trichlorophenol	1100		980	ug/Kg	89				72	117	
1,1-Biphenyl	1100		1000	ug/Kg	91				75	113	
2-Chloronaphthalene	1100		1000	ug/Kg	91				67	118	
2-Nitroaniline	1100		950	ug/Kg	86				69	127	
Dimethylphthalate	1100		1000	ug/Kg	91				70	113	
Acenaphthylene	1100		1400	ug/Kg	127	*			79	118	
2,6-Dinitrotoluene	1100		920	ug/Kg	84				70	125	
3-Nitroaniline	1100		730	ug/Kg	66				20	111	
Acenaphthene	1100		1100	ug/Kg	100				70	121	
Total PAH	17600	8620	26100	ug/Kg	148	*			70	121	
2,4-Dinitrophenol	2100		0	ug/Kg	0	*			16	160	
4-Nitrophenol	2100		1700	ug/Kg	81				45	133	
Dibenzofuran	1100		1000	ug/Kg	91				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM062824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1720	ug/Kg	78				55	128	
2,4-Dinitrotoluene	1100		800	ug/Kg	73				55	128	
Diethylphthalate	1100		990	ug/Kg	90				70	112	
4-Chlorophenyl-phenylether	1100		950	ug/Kg	86				71	108	
Fluorene	1100		1200	ug/Kg	109				68	116	
4-Nitroaniline	1100		740	ug/Kg	67				55	120	
4,6-Dinitro-2-methylphenol	1100		1000	ug/Kg	91				32	145	
N-Nitrosodiphenylamine	1100		1100	ug/Kg	100				73	118	
Azobenzene	1100		990	ug/Kg	90				73	110	
4-Bromophenyl-phenylether	1100		1100	ug/Kg	100				65	121	
Hexachlorobenzene	1100		990	ug/Kg	90				67	118	
Atrazine	1100		1300	ug/Kg	118				79	127	
Pentachlorophenol	2100		1600	ug/Kg	76				47	128	
Phenanthrene	1100	1700	2300	ug/Kg	55	*			72	113	
Anthracene	1100		1400	ug/Kg	127	*			62	124	
Carbazole	1100		1000	ug/Kg	91				59	119	
Di-n-butylphthalate	1100		1100	ug/Kg	100				69	118	
Fluoranthene	1100	1300	1800	ug/Kg	45	*			59	125	
Benzidine	2100		0	ug/Kg	0	*			10	119	
Pyrene	1100	1600	3100	ug/Kg	136	*			52	128	
Butylbenzylphthalate	1100		1300	ug/Kg	118				64	126	
3,3-Dichlorobenzidine	1100		850	ug/Kg	77				10	164	
Benzo(a)anthracene	1100	1000	1900	ug/Kg	82				71	114	
Chrysene	1100	1100	1800	ug/Kg	64				57	121	
bis(2-Ethylhexyl)phthalate	1100	610	1600	ug/Kg	90				66	127	
Di-n-octyl phthalate	1100		1100	ug/Kg	100				71	126	
Benzo(b)fluoranthene	1100	1000	1600	ug/Kg	55	*			67	121	
Benzo(k)fluoranthene	1100		1300	ug/Kg	118	*			74	114	
Benzo(a)pyrene	1100	920	1800	ug/Kg	80				70	142	
Indeno(1,2,3-cd)pyrene	1100		1500	ug/Kg	136	*			61	125	
Dibenz(a,h)anthracene	1100		1200	ug/Kg	109				67	130	
Benzo(g,h,i)perylene	1100	540	1500	ug/Kg	87				53	140	
1,2,4,5-Tetrachlorobenzene	1100		1000	ug/Kg	91				69	124	
1,4-Dioxane	1100		820	ug/Kg	75				46	112	
2,3,4,6-Tetrachlorophenol	1100		1000	ug/Kg	91				56	133	
1-Methylnaphthalene	1100		1100	ug/Kg	100				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM062824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P3047-01MSD	Client Sample ID:	EO-01-062424MSD					DataFile:	BM046354.D		
n-Nitrosodimethylamine	1100		880	ug/Kg	80		1		66	124	20
Pyridine	1100		730	ug/Kg	66		0		45	119	20
Benzaldehyde	1100			ug/Kg	0	*			26	163	20
Aniline	1100		650	ug/Kg	59		0		10	88	20
Phenol	1100		1000	ug/Kg	91		2		67	126	20
bis(2-Chloroethyl)ether	1100		1000	ug/Kg	91		0		74	116	20
2-Chlorophenol	1100		1000	ug/Kg	91		0		61	138	20
1,2-Dichlorobenzene	1100		1000	ug/Kg	91		0		61	105	20
1,3-Dichlorobenzene	1100		1000	ug/Kg	91		1		62	101	20
1,4-Dichlorobenzene	1100		1000	ug/Kg	91		0		63	104	20
Benzyl Alcohol	1100		840	ug/Kg	76		1		47	126	20
2-Methylphenol	1100		990	ug/Kg	90		2		66	122	20
2,2-oxybis(1-Chloropropane)	1100		1100	ug/Kg	100		0		52	115	20
Acetophenone	1100		890	ug/Kg	81		1		75	111	20
3+4-Methylphenols	1100		930	ug/Kg	85		5		53	132	20
N-Nitroso-di-n-propylamine	1100		900	ug/Kg	82		1		59	119	20
Hexachloroethane	1100		920	ug/Kg	84		4		65	117	20
Nitrobenzene	1100		920	ug/Kg	84		0		70	119	20
Isophorone	1100		990	ug/Kg	90		3		76	122	20
2-Nitrophenol	1100		940	ug/Kg	85		4		54	145	20
2,4-Dimethylphenol	1100		1100	ug/Kg	100		0		83	144	20
bis(2-Chloroethoxy)methane	1100		970	ug/Kg	88		0		68	112	20
2,4-Dichlorophenol	1100		980	ug/Kg	89		6		72	118	20
1,2,4-Trichlorobenzene	1100		1000	ug/Kg	91		1		57	103	20
Benzoic acid	1100		0	ug/Kg	0	*			50	104	20
Naphthalene	1100		1200	ug/Kg	109		0		72	110	20
4-Chloroaniline	1100		640	ug/Kg	58		5		10	100	20
Hexachlorobutadiene	1100		1000	ug/Kg	91		0		66	114	20
Caprolactam	1100		690	ug/Kg	63		6		51	134	20
4-Chloro-3-methylphenol	1100		890	ug/Kg	81		4		57	132	20
2-Methylnaphthalene	1100		1300	ug/Kg	118		0		59	123	20
Hexachlorocyclopentadiene	2100		0	ug/Kg	0	*			10	175	20
2,4,6-Trichlorophenol	1100		1000	ug/Kg	91		0		72	117	20
2,4,5-Trichlorophenol	1100		930	ug/Kg	85		5		72	117	20
1,1-Biphenyl	1100		1000	ug/Kg	91		0		75	113	20
2-Chloronaphthalene	1100		1000	ug/Kg	91		0		67	118	20
2-Nitroaniline	1100		970	ug/Kg	88		2		69	127	20
Dimethylphthalate	1100		1000	ug/Kg	91		0		70	113	20
Acenaphthylene	1100		1400	ug/Kg	127	*	0		79	118	20
2,6-Dinitrotoluene	1100		890	ug/Kg	81		4		70	125	20
3-Nitroaniline	1100		660	ug/Kg	60		10		20	111	20
Acenaphthene	1100		1100	ug/Kg	100		0		70	121	20
Total PAH	17600	8620	25800	ug/Kg	147	*	1		70	121	20
2,4-Dinitrophenol	2100		0	ug/Kg	0	*			16	160	20
4-Nitrophenol	2100		1500	ug/Kg	71		13		45	133	20
Dibenzofuran	1100		1100	ug/Kg	100		9		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM062824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1670	ug/Kg	76		3		55	128	20
2,4-Dinitrotoluene	1100		780	ug/Kg	71		3		55	128	20
Diethylphthalate	1100		970	ug/Kg	88		2		70	112	20
4-Chlorophenyl-phenylether	1100		920	ug/Kg	84		2		71	108	20
Fluorene	1100		1200	ug/Kg	109		0		68	116	20
4-Nitroaniline	1100		0	ug/Kg	0	*	200	*	55	120	20
4,6-Dinitro-2-methylphenol	1100		1000	ug/Kg	91		0		32	145	20
N-Nitrosodiphenylamine	1100		1200	ug/Kg	109		9		73	118	20
Azobenzene	1100		970	ug/Kg	88		2		73	110	20
4-Bromophenyl-phenylether	1100		1100	ug/Kg	100		0		65	121	20
Hexachlorobenzene	1100		1000	ug/Kg	91		1		67	118	20
Atrazine	1100		1300	ug/Kg	118		0		79	127	20
Pentachlorophenol	2100		1500	ug/Kg	71		7		47	128	20
Phenanthrene	1100	1700	2300	ug/Kg	55	*	0		72	113	20
Anthracene	1100		1400	ug/Kg	127	*	0		62	124	20
Carbazole	1100		990	ug/Kg	90		1		59	119	20
Di-n-butylphthalate	1100		1100	ug/Kg	100		0		69	118	20
Fluoranthene	1100	1300	1700	ug/Kg	36	*	22	*	59	125	20
Benzidine	2100		0	ug/Kg	0	*			10	119	20
Pyrene	1100	1600	3000	ug/Kg	127		7		52	128	20
Butylbenzylphthalate	1100		1200	ug/Kg	109		8		64	126	20
3,3-Dichlorobenzidine	1100		830	ug/Kg	75		3		10	164	20
Benzo(a)anthracene	1100	1000	1800	ug/Kg	73		12		71	114	20
Chrysene	1100	1100	1900	ug/Kg	73		13		57	121	20
bis(2-Ethylhexyl)phthalate	1100	610	1600	ug/Kg	90		0		66	127	20
Di-n-octyl phthalate	1100		1100	ug/Kg	100		0		71	126	20
Benzo(b)fluoranthene	1100	1000	1500	ug/Kg	45	*	20		67	121	20
Benzo(k)fluoranthene	1100		1300	ug/Kg	118	*	0		74	114	20
Benzo(a)pyrene	1100	920	1700	ug/Kg	71		12		70	142	20
Indeno(1,2,3-cd)pyrene	1100		1500	ug/Kg	136	*	0		61	125	20
Dibenz(a,h)anthracene	1100		1200	ug/Kg	109		0		67	130	20
Benzo(g,h,i)perylene	1100	540	1600	ug/Kg	96		10		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		1000	ug/Kg	91		0		69	124	20
1,4-Dioxane	1100		870	ug/Kg	79		5		46	112	20
2,3,4,6-Tetrachlorophenol	1100		950	ug/Kg	86		6		56	133	20
1-Methylnaphthalene	1100		1100	ug/Kg	100		0		70	130	20



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Surrogate Summary

SW-846

SDG No.: BM062824

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB161624BS	PB161624BS	BM046348.D	2-Fluorophenol	150	159.83	107		18	112
			Phenol-d6	150	154.21	103		15	107
			Nitrobenzene-d5	100	83.04	83		18	107
			2-Fluorobiphenyl	100	82.63	83		20	109
			2,4,6-Tribromophenol	150	147.30	98		10	110
			Terphenyl-d14	100	81.37	81		14	112

Surrogate Summary

SW-846

SDG No.: **BM062824**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3047-01	EO-01-062424	BM046352.D	2-Fluorophenol	150	103.91	69		18	112
			Phenol-d6	150	93.53	62		15	107
			Nitrobenzene-d5	100	56.92	57		18	107
			2-Fluorobiphenyl	100	65.19	65		20	109
			2,4,6-Tribromophenol	150	79.81	53		10	110
			Terphenyl-d14	100	75.75	76		14	112
P3047-01MS	EO-01-062424MS	BM046353.D	2-Fluorophenol	150	86.20	57		18	112
			Phenol-d6	150	80.70	54		15	107
			Nitrobenzene-d5	100	49.50	50		18	107
			2-Fluorobiphenyl	100	54.99	55		20	109
			2,4,6-Tribromophenol	150	70.72	47		10	110
			Terphenyl-d14	100	61.48	61		14	112
P3047-01MSD	EO-01-062424MSD	BM046354.D	2-Fluorophenol	150	87.01	58		18	112
			Phenol-d6	150	78.76	53		15	107
			Nitrobenzene-d5	100	50.50	50		18	107
			2-Fluorobiphenyl	100	57.21	57		20	109
			2,4,6-Tribromophenol	150	66.25	44		10	110
			Terphenyl-d14	100	57.13	57		14	112
P3049-01	SHOP-RAG-DRUM	BM046356.D	2-Fluorophenol	150	64.93	43		18	112
			Phenol-d6	150	57.90	39		15	107
			Nitrobenzene-d5	100	43.92	44		18	107
			2-Fluorobiphenyl	100	50.33	50		20	109
			2,4,6-Tribromophenol	150	20.63	14		10	110
			Terphenyl-d14	100	53.40	53		14	112



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Surrogate Summary

SW-846

SDG No.: BM062824

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3053-01	1A	BM046357.D	2-Fluorophenol	150	86.55	58		18	112
			Phenol-d6	150	78.44	52		15	107
			Nitrobenzene-d5	100	49.27	49		18	107
			2-Fluorobiphenyl	100	45.57	46		20	109
			2,4,6-Tribromophenol	150	71.14	47		10	110
			Terphenyl-d14	100	44.64	45		14	112

Surrogate Summary

SW-846

SDG No.: **BM062824**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3064-01	HD-02-062524	BM046355.D	2-Fluorophenol	150	82.43	55		18	112
			Phenol-d6	150	69.77	47		15	107
			Nitrobenzene-d5	100	43.94	44		18	107
			2-Fluorobiphenyl	100	50.20	50		20	109
			2,4,6-Tribromophenol	150	53.99	36		10	110
			Terphenyl-d14	100	47.45	47		14	112
P3076-07	7-E-1	BM046358.D	2-Fluorophenol	150	100.54	67		18	112
			Phenol-d6	150	87.24	58		15	107
			Nitrobenzene-d5	100	56.23	56		18	107
			2-Fluorobiphenyl	100	57.55	58		20	109
			2,4,6-Tribromophenol	150	77.71	52		10	110
			Terphenyl-d14	100	55.21	55		14	112
P3076-10	7-S-1	BM046349.D	2-Fluorophenol	150	91.10	61		18	112
			Phenol-d6	150	82.80	55		15	107
			Nitrobenzene-d5	100	52.68	53		18	107
			2-Fluorobiphenyl	100	46.61	47		20	109
			2,4,6-Tribromophenol	150	84.22	56		10	110
			Terphenyl-d14	100	53.09	53		14	112
P3076-10MS	7-S-1MS	BM046350.D	2-Fluorophenol	150	92.14	61		18	112
			Phenol-d6	150	85.35	57		15	107
			Nitrobenzene-d5	100	50.67	51		18	107
			2-Fluorobiphenyl	100	45.78	46		20	109
			2,4,6-Tribromophenol	150	85.00	57		10	110
			Terphenyl-d14	100	50.53	51		14	112
P3076-10MSD	7-S-1MSD	BM046351.D	2-Fluorophenol	150	93.84	63		18	112
			Phenol-d6	150	87.30	58		15	107
			Nitrobenzene-d5	100	51.76	52		18	107
			2-Fluorobiphenyl	100	46.56	47		20	109
			2,4,6-Tribromophenol	150	88.43	59		10	110
			Terphenyl-d14	100	51.31	51		14	112
PB161765BL	PB161765BL	BM046346.D	2-Fluorophenol	150	147.71	98		18	112
			Phenol-d6	150	130.02	87		15	107
			Nitrobenzene-d5	100	81.03	81		18	107
			2-Fluorobiphenyl	100	78.77	79		20	109
			2,4,6-Tribromophenol	150	130.73	87		10	110
			Terphenyl-d14	100	84.36	84		14	112
PB161765BS	PB161765BS	BM046347.D	2-Fluorophenol	150	169.69	113	*	18	112
			Phenol-d6	150	163.62	109	*	15	107
			Nitrobenzene-d5	100	87.38	87		18	107
			2-Fluorobiphenyl	100	86.96	87		20	109
			2,4,6-Tribromophenol	150	156.31	104		10	110
			Terphenyl-d14	100	87.42	87		14	112



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Surrogate Summary

SW-846

SDG No.: BM062824

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3115-12	VNJ-325	BM046359.D	2-Fluorophenol	150	108.40	72		18	112
			Phenol-d6	150	96.00	64		15	107
			Nitrobenzene-d5	100	65.27	65		18	107
			2-Fluorobiphenyl	100	55.78	56		20	109
			2,4,6-Tribromophenol	150	74.85	50		10	110
			Terphenyl-d14	100	65.57	66		14	112
P3115-14	20071	BM046360.D	2-Fluorophenol	150	58.14	39		18	112
			Phenol-d6	150	48.46	32		15	107
			Nitrobenzene-d5	100	27.82	28		18	107
			2-Fluorobiphenyl	100	35.50	35		20	109
			2,4,6-Tribromophenol	150	45.10	30		10	110
			Terphenyl-d14	100	50.04	50		14	112

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM062824

Lab Code: CHEM

SAS No.: BM062824

SDG NO.: BM062824

Lab File ID: BM046344.D

DFTPP Injection Date: 06/28/2024

Instrument ID: BNA_M

DFTPP Injection Time: 08:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	75.6
68	Less than 2.0% of mass 69	1.1 (1.7) 1
69	Mass 69 relative abundance	64.4
70	Less than 2.0% of mass 69	0.4 (0.6) 1
127	10.0 - 80.0% of mass 198	63.3
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	27.1
365	Greater than 1% of mass 198	4.7
441	Present, but less than mass 443	10.9
442	Greater than 50% of mass 198	65.5
443	15.0 - 24.0% of mass 442	12.4 (18.9) 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	BM046345.D	06/28/2024	09:37
PB161765BL	PB161765BL	BM046346.D	06/28/2024	10:18
PB161765BS	PB161765BS	BM046347.D	06/28/2024	10:57
PB161624BS	PB161624BS	BM046348.D	06/28/2024	11:57
7-S-1	P3076-10	BM046349.D	06/28/2024	12:46
7-S-1MS	P3076-10MS	BM046350.D	06/28/2024	13:25
7-S-1MSD	P3076-10MSD	BM046351.D	06/28/2024	14:05
EO-01-062424	P3047-01	BM046352.D	06/28/2024	14:44
EO-01-062424MS	P3047-01MS	BM046353.D	06/28/2024	15:24
EO-01-062424MSD	P3047-01MSD	BM046354.D	06/28/2024	16:03
HD-02-062524	P3064-01	BM046355.D	06/28/2024	16:43
SHOP-RAG-DRUM	P3049-01	BM046356.D	06/28/2024	17:23
1A	P3053-01	BM046357.D	06/28/2024	18:03
7-E-1	P3076-07	BM046358.D	06/28/2024	18:43
VNJ-325	P3115-12	BM046359.D	06/28/2024	19:23
20071	P3115-14	BM046360.D	06/28/2024	20:02