

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF070524 SAS No.: BF070524 SDG No.: BF070524

Instrument ID: BNA_F Calibration Date/Time: 7/5/2024 12:11:47

Lab File ID: BF138462.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.846	0.924		9.22	
Pyridine	1.356	1.389		2.434	
2-Fluorophenol	1.206	1.226		1.658	
Benzaldehyde	1.003	1.029		2.592	
Aniline	1.586	1.603		1.072	
Phenol-d6	1.625	1.673		2.954	
Phenol	1.731	1.771		2.311	20.0
bis(2-Chloroethyl) ether	1.360	1.335		-1.838	
2-Chlorophenol	1.295	1.344		3.784	
1,2-Dichlorobenzene	1.373	1.388		1.092	
1,3-Dichlorobenzene	1.483	1.490		0.472	
1,4-Dichlorobenzene	1.487	1.487		0.0	20.0
Benzyl Alcohol	1.164	1.258		8.076	
2-Methylphenol	1.073	1.090		1.584	
2,2-oxybis(1-Chloropropane)	2.743	2.708		-1.276	
Acetophenone	0.454	0.460		1.322	
3+4-Methylphenols	1.247	1.332		6.816	
n-Nitroso-di-n-propylamine	1.024	1.002	0.050	-2.148	
Nitrobenzene-d5	0.385	0.426		10.649	
Hexachloroethane	0.536	0.548		2.239	
Nitrobenzene	0.392	0.413		5.357	
Isophorone	0.710	0.706		-0.563	
2-Nitrophenol	0.169	0.185		9.467	20.0
2,4-Dimethylphenol	0.216	0.216		0.0	
bis(2-Chloroethoxy) methane	0.427	0.411		-3.747	
2,4-Dichlorophenol	0.278	0.282		1.439	20.0
1,2,4-Trichlorobenzene	0.323	0.318		-1.548	
Benzoic acid	0.183	0.218		19.126	
Naphthalene	1.011	1.008		-0.297	
4-Chloroaniline	0.353	0.356		0.85	
Hexachlorobutadiene	0.194	0.192		-1.031	20.0
Caprolactam	0.088	0.093		5.682	
4-Chloro-3-methylphenol	0.296	0.315		6.419	20.0
2-Methylnaphthalene	0.653	0.648		-0.766	
Hexachlorocyclopentadiene	0.163	0.142	0.050	-12.883	
2,4,6-Trichlorophenol	0.352	0.347		-1.42	20.0
2-Fluorobiphenyl	1.257	1.235		-1.75	
2,4,5-Trichlorophenol	0.383	0.381		-0.522	
1,1-Biphenyl	1.493	1.431		-4.153	

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Lab File ID: BF138462.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.139	1.104		-3.073	
2-Nitroaniline	0.367	0.408		11.172	
Dimethylphthalate	1.285	1.259		-2.023	
Acenaphthylene	1.601	1.591		-0.625	
2,6-Dinitrotoluene	0.288	0.298		3.472	
3-Nitroaniline	0.284	0.296		4.225	
Acenaphthene	1.096	1.113		1.551	20.0
2,4-Dinitrophenol	0.094	0.123	0.050	30.851	
4-Nitrophenol	0.184	0.209	0.050	13.587	
Dibenzofuran	1.511	1.496		-0.993	
2,4-Dinitrotoluene	0.354	0.392		10.734	
Diethylphthalate	1.202	1.196		-0.499	
4-Chlorophenyl-phenylether	0.609	0.576		-5.419	
Fluorene	1.200	1.159		-3.417	
4-Nitroaniline	0.261	0.284		8.812	
4,6-Dinitro-2-methylphenol	0.096	0.116		20.833	
n-Nitrosodiphenylamine	0.621	0.579		-6.763	20.0
Azobenzene	1.269	1.283		1.103	
2,4,6-Tribromophenol	0.163	0.173		6.135	
4-Bromophenyl-phenylether	0.215	0.199		-7.442	
Hexachlorobenzene	0.237	0.219		-7.595	
Atrazine	0.174	0.154		-11.494	
Pentachlorophenol	0.120	0.125		4.167	20.0
Phenanthrene	0.976	0.962		-1.434	
Anthracene	0.974	0.966		-0.821	
Carbazole	0.808	0.832		2.97	
Di-n-butylphthalate	1.025	1.001		-2.341	
Fluoranthene	0.875	0.919		5.029	20.0
Benzidine	0.160	0.053		-66.875	
Pyrene	2.138	2.128		-0.468	
Terphenyl-d14	1.459	1.513		3.701	
Butylbenzylphthalate	0.650	0.657		1.077	
3,3-Dichlorobenzidine	0.380	0.392		3.158	
Benzo(a)anthracene	1.287	1.298		0.855	
Chrysene	1.253	1.240		-1.038	
Bis(2-ethylhexyl)phthalate	0.816	0.736		-9.804	
Di-n-octyl phthalate	1.428	1.312		-8.123	20.0
Benzo(b)fluoranthene	1.097	1.089		-0.729	
Benzo(k)fluoranthene	1.011	1.017		0.593	

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Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BF070524 SAS No.: BF070524 SDG No.: BF070524
 Instrument ID: BNA_F Calibration Date/Time: 7/5/2024 12:11:47
 Lab File ID: BF138462.D Init. Calib. Date(s): _____
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	0.962	0.959		-0.312	20.0
Indeno(1,2,3-cd)pyrene	1.005	1.011		0.597	
Dibenzo(a,h)anthracene	0.811	0.810		-0.123	
Benzo(g,h,i)perylene	0.794	0.825		3.904	
1,2,4,5-Tetrachlorobenzene	0.553	0.527		-4.702	
1,4-Dioxane	0.568	0.555		-2.289	20.0
2,3,4,6-Tetrachlorophenol	0.284	0.296		4.225	
1-Methylnaphthalene	0.634	0.632		-0.315	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	PB161894BL	SDG No.:	BF070524
Lab Sample ID:	PB161894BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138463.D	1	7/3/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161894

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

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	PB161894BL	SDG No.:	BF070524
Lab Sample ID:	PB161894BL	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
BF138463.D	1	7/3/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161894

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

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	PB161894BL	SDG No.:	BF070524
Lab Sample ID:	PB161894BL	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
BF138463.D	1	7/3/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161894

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	124.07		18-112		83	SPK: -150
13127-88-3	Phenol-d6	124.518		15-107		83	SPK: -150
4165-60-0	Nitrobenzene-d5	84.727		18-107		85	SPK: -100
321-60-8	2-Fluorobiphenyl	77.655		20-109		78	SPK: -100

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	PB161894BL	SDG No.:	BF070524
Lab Sample ID:	PB161894BL	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
BF138463.D	1	7/3/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	122.117		10-110		81	SPK: -150
1718-51-0	Terphenyl-d14	81.449		14-112		81	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	127423	6.869				
1146-65-2	Naphthalene-d8	519008	8.151				
15067-26-2	Acenaphthene-d10	300168	9.91				
1517-22-2	Phenanthrene-d10	504441	11.392				
1719-03-5	Chrysene-d12	227033	14.033				
1520-96-3	Perylene-d12	215521	15.504				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	76.6	J			2.24	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	260	A			5.116	
031158-91-5	Hexadecanoic acid, 1,1-dimethyleth	120	J			12.798	
000123-95-5	Octadecanoic acid, butyl ester	80.3	J			13.504	

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	PB161894BS	SDG No.:	BF070524
Lab Sample ID:	PB161894BS	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
BF138464.D	1	7/3/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161894

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	800		180	270	330	ug/Kg
62-53-3	Aniline	990		96.8	130	170	ug/Kg
108-95-2	Phenol	1600		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1400		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1400		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1700		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1600		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.7	130	170	ug/Kg
78-59-1	Isophorone	1500		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1700		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	710		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.2	130	170	ug/Kg



Client:			Date Collected:	7/3/2024 12:00:00 AM	
Project:			Date Received:	7/3/2024 12:00:00 AM	
Client Sample ID:	PB161894BS		SDG No.:	BF070524	
Lab Sample ID:	PB161894BS		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
BF138464.D	1	7/3/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161894

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	1600		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3800	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1700		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1600		81	130	170	ug/Kg
Total PAH	Total PAH	25300		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3500	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3500	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3100		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1500		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.5	130	170	ug/Kg
86-73-7	Fluorene	1400		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	1700		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1600		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1600		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	PB161894BS	SDG No.:	BF070524
Lab Sample ID:	PB161894BS	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
BF138464.D	1	7/3/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3100	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1500		83.9	130	170	ug/Kg
120-12-7	Anthracene	1500		84.3	130	170	ug/Kg
86-74-8	Carbazole	1600		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1600		81.6	130	170	ug/Kg
92-87-5	Benzidine	1100		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	1400		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	130	170	ug/Kg
218-01-9	Chrysene	1500		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		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	1400		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1100		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	132.625		18-112		88	SPK: -150
13127-88-3	Phenol-d6	131.248		15-107		87	SPK: -150
4165-60-0	Nitrobenzene-d5	88.855		18-107		89	SPK: -100
321-60-8	2-Fluorobiphenyl	81.21		20-109		81	SPK: -100

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	PB161894BS	SDG No.:	BF070524
Lab Sample ID:	PB161894BS	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
BF138464.D	1	7/3/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	136.07		10-110		91	SPK: -150
1718-51-0	Terphenyl-d14	84.146		14-112		84	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	128277	6.875				
1146-65-2	Naphthalene-d8	527419	8.157				
15067-26-2	Acenaphthene-d10	296612	9.916				
1517-22-2	Phenanthrene-d10	505964	11.398				
1719-03-5	Chrysene-d12	217140	14.039				
1520-96-3	Perylene-d12	249423	15.504				

Report of Analysis

Client:		Date Collected:	7/5/2024 12:00:00 AM
Project:		Date Received:	7/5/2024 12:00:00 AM
Client Sample ID:	PB161920BL	SDG No.:	BF070524
Lab Sample ID:	PB161920BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138465.D	1	7/5/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161920

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



Client:				Date Collected:	7/5/2024 12:00:00 AM	
Project:				Date Received:	7/5/2024 12:00:00 AM	
Client Sample ID:	PB161920BL			SDG No.:	BF070524	
Lab Sample ID:	PB161920BL			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
BF138465.D	1	7/5/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161920

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

Report of Analysis

Client:		Date Collected:	7/5/2024 12:00:00 AM
Project:		Date Received:	7/5/2024 12:00:00 AM
Client Sample ID:	PB161920BL	SDG No.:	BF070524
Lab Sample ID:	PB161920BL	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
BF138465.D	1	7/5/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161920

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	127.314		18-112		85	SPK: -150
13127-88-3	Phenol-d6	126.253		15-107		84	SPK: -150
4165-60-0	Nitrobenzene-d5	84.929		18-107		85	SPK: -100
321-60-8	2-Fluorobiphenyl	77.78		20-109		78	SPK: -100

Report of Analysis

Client:		Date Collected:	7/5/2024 12:00:00 AM
Project:		Date Received:	7/5/2024 12:00:00 AM
Client Sample ID:	PB161920BL	SDG No.:	BF070524
Lab Sample ID:	PB161920BL	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
BF138465.D	1	7/5/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	120.52		10-110		80	SPK: -150
1718-51-0	Terphenyl-d14	78.617		14-112		79	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	118479	6.875				
1146-65-2	Naphthalene-d8	488443	8.151				
15067-26-2	Acenaphthene-d10	279712	9.91				
1517-22-2	Phenanthrene-d10	473312	11.392				
1719-03-5	Chrysene-d12	213987	14.033				
1520-96-3	Perylene-d12	195570	15.504				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	83	J			2.234	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	260	A			5.116	
000111-06-8	Hexadecanoic acid, butyl ester	120	J			12.798	
000110-36-1	Butyl myristate	72	J			13.498	

Report of Analysis

Client:		Date Collected:	7/5/2024 12:00:00 AM
Project:		Date Received:	7/5/2024 12:00:00 AM
Client Sample ID:	PB161920BS	SDG No.:	BF070524
Lab Sample ID:	PB161920BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138466.D	1	7/5/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161920

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	790		180	270	330	ug/Kg
62-53-3	Aniline	960		96.8	130	170	ug/Kg
108-95-2	Phenol	1600		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1400		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1400		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1700		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1500		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.7	130	170	ug/Kg
78-59-1	Isophorone	1500		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1600		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	710		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.2	130	170	ug/Kg



Client:			Date Collected:	7/5/2024 12:00:00 AM	
Project:			Date Received:	7/5/2024 12:00:00 AM	
Client Sample ID:	PB161920BS		SDG No.:	BF070524	
Lab Sample ID:	PB161920BS		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	0	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:	uL		Test:		
Extraction Type :	Decanted :		Level :	LOW	
Injection Volume :	GPC Factor :		GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138466.D	1	7/5/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161920

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	1600		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3900	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1700		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1700		81	130	170	ug/Kg
Total PAH	Total PAH	25500		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3600	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3500	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3100		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1500		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.5	130	170	ug/Kg
86-73-7	Fluorene	1400		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	1700		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1600		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1600		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/5/2024 12:00:00 AM
Project:		Date Received:	7/5/2024 12:00:00 AM
Client Sample ID:	PB161920BS	SDG No.:	BF070524
Lab Sample ID:	PB161920BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138466.D	1	7/5/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3100	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1500		83.9	130	170	ug/Kg
120-12-7	Anthracene	1600		84.3	130	170	ug/Kg
86-74-8	Carbazole	1500		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1500		81.6	130	170	ug/Kg
92-87-5	Benzidine	1200		160	270	330	ug/Kg
129-00-0	Pyrene	1500		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1500		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	130	170	ug/Kg
218-01-9	Chrysene	1600		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1100		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	131.519		18-112		88	SPK: -150
13127-88-3	Phenol-d6	129.877		15-107		87	SPK: -150
4165-60-0	Nitrobenzene-d5	89.02		18-107		89	SPK: -100
321-60-8	2-Fluorobiphenyl	82.24		20-109		82	SPK: -100

Report of Analysis

Client:		Date Collected:	7/5/2024 12:00:00 AM
Project:		Date Received:	7/5/2024 12:00:00 AM
Client Sample ID:	PB161920BS	SDG No.:	BF070524
Lab Sample ID:	PB161920BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138466.D	1	7/5/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	137.256		10-110		92	SPK: -150
1718-51-0	Terphenyl-d14	84.014		14-112		84	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	127957	6.875				
1146-65-2	Naphthalene-d8	520928	8.157				
15067-26-2	Acenaphthene-d10	288551	9.916				
1517-22-2	Phenanthrene-d10	496530	11.398				
1719-03-5	Chrysene-d12	211767	14.039				
1520-96-3	Perylene-d12	247080	15.504				

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:	MW12-20240625DL2	SDG No.:	BF070524
Lab Sample ID:	P3073-02DL2	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138467.D	10	6/28/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161809

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.4	U	10.4	80.8	100	ug/L
110-86-1	Pyridine	15.7	U	15.7	40.4	50.5	ug/L
100-52-7	Benzaldehyde	40.4	U	40.4	80.8	100	ug/L
62-53-3	Aniline	16.2	U	16.2	40.4	50.5	ug/L
108-95-2	Phenol	9.4	U	9.4	40.4	50.5	ug/L
111-44-4	bis(2-Chloroethyl)ether	12	U	12	40.4	50.5	ug/L
95-57-8	2-Chlorophenol	7.2	U	7.2	40.4	50.5	ug/L
95-50-1	1,2-Dichlorobenzene	8.9	U	8.9	40.4	50.5	ug/L
541-73-1	1,3-Dichlorobenzene	8.1	U	8.1	40.4	50.5	ug/L
106-46-7	1,4-Dichlorobenzene	8.5	U	8.5	40.4	50.5	ug/L
100-51-6	Benzyl Alcohol	16.2	U	16.2	80.8	100	ug/L
95-48-7	2-Methylphenol	11.4	U	11.4	40.4	50.5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.6	U	13.6	40.4	50.5	ug/L
98-86-2	Acetophenone	11.1	U	11.1	40.4	50.5	ug/L
65794-96-9	3+4-Methylphenols	11.6	U	11.6	80.8	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.9	U	14.9	25.3	25.3	ug/L
67-72-1	Hexachloroethane	10.2	U	10.2	40.4	50.5	ug/L
98-95-3	Nitrobenzene	12.8	U	12.8	40.4	50.5	ug/L
78-59-1	Isophorone	11.5	U	11.5	40.4	50.5	ug/L
88-75-5	2-Nitrophenol	19.8	U	19.8	40.4	50.5	ug/L
105-67-9	2,4-Dimethylphenol	15.3	U	15.3	40.4	50.5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.3	U	10.3	40.4	50.5	ug/L
120-83-2	2,4-Dichlorophenol	8.9	U	8.9	40.4	50.5	ug/L
120-82-1	1,2,4-Trichlorobenzene	11.1	U	11.1	40.4	50.5	ug/L
65-85-0	Benzoic acid	55.3	U	55.3	80.8	100	ug/L
91-20-3	Naphthalene	800	D	10.3	40.4	50.5	ug/L
106-47-8	4-Chloroaniline	13.1	U	13.1	40.4	50.5	ug/L
87-68-3	Hexachlorobutadiene	12.8	U	12.8	40.4	50.5	ug/L

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:	MW12-20240625DL2	SDG No.:	BF070524
Lab Sample ID:	P3073-02DL2	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138467.D	10	6/28/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161809

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.7	U	16.7	80.8	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.5	U	8.5	40.4	50.5	ug/L
91-57-6	2-Methylnaphthalene	120	D	11.4	40.4	50.5	ug/L
77-47-4	Hexachlorocyclopentadiene	50.7	U	50.7	80.8	100	ug/L
88-06-2	2,4,6-Trichlorophenol	9	U	9	40.4	50.5	ug/L
95-95-4	2,4,5-Trichlorophenol	10.2	U	10.2	40.4	50.5	ug/L
92-52-4	1,1-Biphenyl	53.3	D	9.2	40.4	50.5	ug/L
91-58-7	2-Chloronaphthalene	9.8	U	9.8	40.4	50.5	ug/L
88-74-4	2-Nitroaniline	14.2	U	14.2	40.4	50.5	ug/L
131-11-3	Dimethylphthalate	9.4	U	9.4	40.4	50.5	ug/L
208-96-8	Acenaphthylene	10.5	U	10.5	40.4	50.5	ug/L
606-20-2	2,6-Dinitrotoluene	12.5	U	12.5	40.4	50.5	ug/L
99-09-2	3-Nitroaniline	13.8	U	13.8	40.4	50.5	ug/L
83-32-9	Acenaphthene	81.4	D	8.2	40.4	50.5	ug/L
Total PAH	Total PAH	970.7	D	174.6	40.4	808	ug/L
51-28-5	2,4-Dinitrophenol	64.8	U	64.8	80.8	100	ug/L
100-02-7	4-Nitrophenol	20.2	U	20.2	80.8	100	ug/L
132-64-9	Dibenzofuran	9.4	U	9.4	40.4	50.5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.9	U	27.9	40.4	101	ug/L
121-14-2	2,4-Dinitrotoluene	15.4	U	15.4	40.4	50.5	ug/L
84-66-2	Diethylphthalate	10.5	U	10.5	40.4	50.5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.9	U	9.9	40.4	50.5	ug/L
86-73-7	Fluorene	33.6	JD	9.7	40.4	50.5	ug/L
100-01-6	4-Nitroaniline	20.6	U	20.6	40.4	50.5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	31	U	31	80.8	100	ug/L
86-30-6	n-Nitrosodiphenylamine	9	U	9	40.4	50.5	ug/L
103-33-3	Azobenzene	12.1	U	12.1	40.4	50.5	ug/L
101-55-3	4-Bromophenyl-phenylether	9.6	U	9.6	40.4	50.5	ug/L
118-74-1	Hexachlorobenzene	11.5	U	11.5	40.4	50.5	ug/L
1912-24-9	Atrazine	12.7	U	12.7	40.4	50.5	ug/L

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:	MW12-20240625DL2	SDG No.:	BF070524
Lab Sample ID:	P3073-02DL2	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138467.D	10	6/28/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161809

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.7	U	18.7	80.8	100	ug/L
85-01-8	Phenanthrene	55.7	D	9	40.4	50.5	ug/L
120-12-7	Anthracene	10.8	U	10.8	40.4	50.5	ug/L
86-74-8	Carbazole	11.6	U	11.6	40.4	50.5	ug/L
84-74-2	Di-n-butylphthalate	14.8	U	14.8	40.4	50.5	ug/L
206-44-0	Fluoranthene	13	U	13	40.4	50.5	ug/L
92-87-5	Benzidine	41.1	U	41.1	80.8	100	ug/L
129-00-0	Pyrene	10.7	U	10.7	40.4	50.5	ug/L
85-68-7	Butylbenzylphthalate	21.2	U	21.2	40.4	50.5	ug/L
91-94-1	3,3-Dichlorobenzidine	12.9	U	12.9	80.8	100	ug/L
56-55-3	Benzo(a)anthracene	9.5	U	9.5	40.4	50.5	ug/L
218-01-9	Chrysene	8.7	U	8.7	40.4	50.5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	19.1	U	19.1	40.4	50.5	ug/L
117-84-0	Di-n-octyl phthalate	25.3	U	25.3	80.8	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.5	U	11.5	40.4	50.5	ug/L
207-08-9	Benzo(k)fluoranthene	12	U	12	40.4	50.5	ug/L
50-32-8	Benzo(a)pyrene	16.9	U	16.9	40.4	50.5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.3	U	10.3	40.4	50.5	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.6	U	11.6	40.4	50.5	ug/L
191-24-2	Benzo(g,h,i)perylene	11.9	U	11.9	40.4	50.5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	11	U	11	40.4	50.5	ug/L
123-91-1	1,4-Dioxane	12.6	U	12.6	40.4	50.5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	8	U	8	40.4	50.5	ug/L
90-12-0	1-Methylnaphthalene	430	D	8.7	40.4	50.5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	83.27		10-139		56	SPK: -150
13127-88-3	Phenol-d6	54.91		10-134		37	SPK: -150
4165-60-0	Nitrobenzene-d5	99.17		49-133		99	SPK: -100
321-60-8	2-Fluorobiphenyl	106.12		52-132		106	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:	MW12-20240625DL2	SDG No.:	BF070524
Lab Sample ID:	P3073-02DL2	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138467.D	10	6/28/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161809

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	168.35		32-145		112	SPK: -150
1718-51-0	Terphenyl-d14	91.48		36-145		91	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	83792	6.869				
1146-65-2	Naphthalene-d8	329952	8.151				
15067-26-2	Acenaphthene-d10	181442	9.904				
1517-22-2	Phenanthrene-d10	291188	11.392				
1719-03-5	Chrysene-d12	173018	14.027				
1520-96-3	Perylene-d12	172152	15.498				

Report of Analysis

Client:		Date Collected:	6/29/2024 12:00:00 AM
Project:		Date Received:	6/29/2024 12:00:00 AM
Client Sample ID:	B-140-SB01RE	SDG No.:	BF070524
Lab Sample ID:	P3141-02RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.5
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
BF138468.D	1	7/1/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	100	U	100	320	390	ug/Kg
110-86-1	Pyridine	95.5	U	95.5	160	200	ug/Kg
100-52-7	Benzaldehyde	220	U	220	320	390	ug/Kg
62-53-3	Aniline	120	U	120	160	200	ug/Kg
108-95-2	Phenol	99.1	U	99.1	160	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	160	200	ug/Kg
95-57-8	2-Chlorophenol	99.8	U	99.8	160	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	100	U	100	160	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	160	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	100	U	100	160	200	ug/Kg
100-51-6	Benzyl Alcohol	99.2	U	99.2	320	390	ug/Kg
95-48-7	2-Methylphenol	96.3	U	96.3	160	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	160	200	ug/Kg
98-86-2	Acetophenone	100	U	100	160	200	ug/Kg
65794-96-9	3+4-Methylphenols	95.4	U	95.4	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	48.2	U	48.2	95.6	95.6	ug/Kg
67-72-1	Hexachloroethane	99.2	U	99.2	160	200	ug/Kg
98-95-3	Nitrobenzene	110	U	110	160	200	ug/Kg
78-59-1	Isophorone	100	U	100	160	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	160	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	160	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	100	U	100	160	200	ug/Kg
120-83-2	2,4-Dichlorophenol	90.2	U	90.2	160	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	100	U	100	160	200	ug/Kg
65-85-0	Benzoic acid	280	U	280	320	390	ug/Kg
91-20-3	Naphthalene	98.7	U	98.7	160	200	ug/Kg
106-47-8	4-Chloroaniline	98.7	U	98.7	160	200	ug/Kg
87-68-3	Hexachlorobutadiene	99.6	U	99.6	160	200	ug/Kg



Client:				Date Collected:	6/29/2024 12:00:00 AM	
Project:				Date Received:	6/29/2024 12:00:00 AM	
Client Sample ID:	B-140-SB01RE			SDG No.:	BF070524	
Lab Sample ID:	P3141-02RE			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	16.5	
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
BF138468.D	1	7/1/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	100	U	100	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	92.6	U	92.6	160	200	ug/Kg
91-57-6	2-Methylnaphthalene	98.6	U	98.6	160	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	85.3	U	85.3	160	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	88.4	U	88.4	160	200	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	160	200	ug/Kg
91-58-7	2-Chloronaphthalene	99.6	U	99.6	160	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	160	200	ug/Kg
131-11-3	Dimethylphthalate	97.6	U	97.6	160	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	160	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	99.4	U	99.4	160	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	200	ug/Kg
83-32-9	Acenaphthene	96.9	U	96.9	160	200	ug/Kg
Total PAH	Total PAH	1575.6	U	1575.6	160	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	290	U	290	320	390	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	320	390	ug/Kg
132-64-9	Dibenzofuran	100	U	100	160	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	160	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	99.4	U	199.4	160	400	ug/Kg
84-66-2	Diethylphthalate	95.7	U	95.7	160	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	160	200	ug/Kg
86-73-7	Fluorene	100	U	100	160	200	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	97.5	U	97.5	160	200	ug/Kg
103-33-3	Azobenzene	95.1	U	95.1	160	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	94.3	U	94.3	160	200	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	160	200	ug/Kg
1912-24-9	Atrazine	110	U	110	160	200	ug/Kg

Report of Analysis

Client:		Date Collected:	6/29/2024 12:00:00 AM
Project:		Date Received:	6/29/2024 12:00:00 AM
Client Sample ID:	B-140-SB01RE	SDG No.:	BF070524
Lab Sample ID:	P3141-02RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.5
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
BF138468.D	1	7/1/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	92.4	U	92.4	320	390	ug/Kg
85-01-8	Phenanthrene	100	U	100	160	200	ug/Kg
120-12-7	Anthracene	100	U	100	160	200	ug/Kg
86-74-8	Carbazole	96	U	96	160	200	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	160	200	ug/Kg
206-44-0	Fluoranthene	140	J	97.6	160	200	ug/Kg
92-87-5	Benzidine	190	U	190	320	390	ug/Kg
129-00-0	Pyrene	120	J	99.2	160	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	96.5	U	96.5	160	200	ug/Kg
218-01-9	Chrysene	95	U	95	160	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	160	200	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	96.9	U	96.9	160	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	98.7	U	98.7	160	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	160	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	93.3	U	93.3	160	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	97.1	U	97.1	160	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	95.7	U	95.7	160	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	160	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	160	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	89.3	U	89.3	160	200	ug/Kg
90-12-0	1-Methylnaphthalene	99.4	U	99.4	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	108.511		18-112		72	SPK: -150
13127-88-3	Phenol-d6	105.648		15-107		70	SPK: -150
4165-60-0	Nitrobenzene-d5	72.581		18-107		73	SPK: -100
321-60-8	2-Fluorobiphenyl	71.333		20-109		71	SPK: -100

Report of Analysis

Client:		Date Collected:	6/29/2024 12:00:00 AM
Project:		Date Received:	6/29/2024 12:00:00 AM
Client Sample ID:	B-140-SB01RE	SDG No.:	BF070524
Lab Sample ID:	P3141-02RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.5
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
BF138468.D	1	7/1/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	108.44		10-110		72	SPK: -150
1718-51-0	Terphenyl-d14	56.901		14-112		57	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	60243	6.869				
1146-65-2	Naphthalene-d8	238390	8.151				
15067-26-2	Acenaphthene-d10	131244	9.904				
1517-22-2	Phenanthrene-d10	224537	11.392				
1719-03-5	Chrysene-d12	128825	14.027				
1520-96-3	Perylene-d12	128402	15.498				

Report of Analysis

Client:		Date Collected:	6/29/2024 12:00:00 AM
Project:		Date Received:	6/29/2024 12:00:00 AM
Client Sample ID:	B-140-SB00	SDG No.:	BF070524
Lab Sample ID:	P3141-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.9
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
BF138469.D	1	7/1/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	96.3	U	96.3	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	92	U	92	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	92.9	U	92.9	140	190	ug/Kg
95-57-8	2-Chlorophenol	92.6	U	92.6	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	93.9	U	93.9	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	95.4	U	95.4	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	96	U	96	140	190	ug/Kg
100-51-6	Benzyl Alcohol	92.1	U	92.1	300	370	ug/Kg
95-48-7	2-Methylphenol	89.4	U	89.4	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	140	190	ug/Kg
98-86-2	Acetophenone	96.4	U	96.4	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	88.5	U	88.5	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	44.7	U	44.7	88.8	88.8	ug/Kg
67-72-1	Hexachloroethane	92.1	U	92.1	140	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	140	190	ug/Kg
78-59-1	Isophorone	93.9	U	93.9	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	95.2	U	95.2	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	83.8	U	83.8	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	94.8	U	94.8	140	190	ug/Kg
65-85-0	Benzoic acid	260	U	260	300	370	ug/Kg
91-20-3	Naphthalene	91.6	U	91.6	140	190	ug/Kg
106-47-8	4-Chloroaniline	91.6	U	91.6	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	92.4	U	92.4	140	190	ug/Kg



Client:				Date Collected:	6/29/2024 12:00:00 AM	
Project:				Date Received:	6/29/2024 12:00:00 AM	
Client Sample ID:	B-140-SB00			SDG No.:	BF070524	
Lab Sample ID:	P3141-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	9.9	
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
BF138469.D	1	7/1/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	96.3	U	96.3	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	86	U	86	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	91.5	U	91.5	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	79.2	U	79.2	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	82.1	U	82.1	140	190	ug/Kg
92-52-4	1,1-Biphenyl	97	U	97	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	92.4	U	92.4	140	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	190	ug/Kg
131-11-3	Dimethylphthalate	90.6	U	90.6	140	190	ug/Kg
208-96-8	Acenaphthylene	96	U	96	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	92.3	U	92.3	140	190	ug/Kg
99-09-2	3-Nitroaniline	99	U	99	140	190	ug/Kg
83-32-9	Acenaphthene	90	U	90	140	190	ug/Kg
Total PAH	Total PAH	4990	U	1467	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	93.6	U	93.6	140	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	95.6	U	95.6	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	187.9	U	187.9	140	380	ug/Kg
84-66-2	Diethylphthalate	88.9	U	88.9	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	95	U	95	140	190	ug/Kg
86-73-7	Fluorene	94.9	U	94.9	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	90.5	U	90.5	140	190	ug/Kg
103-33-3	Azobenzene	88.3	U	88.3	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	87.5	U	87.5	140	190	ug/Kg
118-74-1	Hexachlorobenzene	94.3	U	94.3	140	190	ug/Kg
1912-24-9	Atrazine	100	U	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	6/29/2024 12:00:00 AM
Project:		Date Received:	6/29/2024 12:00:00 AM
Client Sample ID:	B-140-SB00	SDG No.:	BF070524
Lab Sample ID:	P3141-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.9
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
BF138469.D	1	7/1/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	85.8	U	85.8	300	370	ug/Kg
85-01-8	Phenanthrene	760		93.2	140	190	ug/Kg
120-12-7	Anthracene	140	J	93.6	140	190	ug/Kg
86-74-8	Carbazole	89.1	U	89.1	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	93.5	U	93.5	140	190	ug/Kg
206-44-0	Fluoranthene	1000		90.6	140	190	ug/Kg
92-87-5	Benzidine	180	U	180	300	370	ug/Kg
129-00-0	Pyrene	650		92.1	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	380		89.5	140	190	ug/Kg
218-01-9	Chrysene	540		88.2	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	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	620		90	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	220		91.6	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	330		100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	J	86.7	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	90.1	U	90.1	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	190		88.9	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	96.3	U	96.3	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	82.9	U	82.9	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	92.3	U	92.3	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	102.072		18-112		68	SPK: -150
13127-88-3	Phenol-d6	99.603		15-107		66	SPK: -150
4165-60-0	Nitrobenzene-d5	68.808		18-107		69	SPK: -100
321-60-8	2-Fluorobiphenyl	62.463		20-109		62	SPK: -100

Report of Analysis

Client:		Date Collected:	6/29/2024 12:00:00 AM
Project:		Date Received:	6/29/2024 12:00:00 AM
Client Sample ID:	B-140-SB00	SDG No.:	BF070524
Lab Sample ID:	P3141-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.9
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
BF138469.D	1	7/1/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	103.061		10-110		69	SPK: -150
1718-51-0	Terphenyl-d14	43.885		14-112		44	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	68662	6.869				
1146-65-2	Naphthalene-d8	267059	8.151				
15067-26-2	Acenaphthene-d10	145782	9.904				
1517-22-2	Phenanthrene-d10	246245	11.392				
1719-03-5	Chrysene-d12	153573	14.027				
1520-96-3	Perylene-d12	144134	15.498				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	310	A			5.075	
000124-18-5	Decane	290	J			6.704	
017301-23-4	Undecane, 2,6-dimethyl-	120	J			8.21	
006044-71-9	Dodecane, 6-methyl-	160	J			8.445	
000770-35-4	1-Phenoxypropan-2-ol	130	J			8.457	
017301-25-6	Undecane, 2,8-dimethyl-	120	J			8.492	
001560-97-0	Dodecane, 2-methyl-	180	J			8.522	
031295-56-4	Dodecane, 2,6,11-trimethyl-	280	J			8.569	
000629-50-5	Tridecane	910	J			8.739	
062108-26-3	Decane, 2,6,8-trimethyl-	120	J			8.833	
062338-13-0	Decane, 3,3,5-trimethyl-	130	J			9.069	
001560-96-9	Tridecane, 2-methyl-	110	J			9.104	
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	110	J			9.169	
000629-59-4	Tetradecane	540	J			9.304	
002531-84-2	Phenanthrene, 2-methyl-	110	J			11.892	
000057-10-3	n-Hexadecanoic acid	400	J			11.916	
000203-64-5	4H-Cyclopenta[def]phenanthrene	140	J			12.004	
000301-02-0	9-Octadecenamide, (Z)-	97.6	J			13.457	
000479-79-8	11H-Benzo[a]fluoren-11-one	240	J			13.874	

Report of Analysis

Client:		Date Collected:	6/29/2024 12:00:00 AM
Project:		Date Received:	6/29/2024 12:00:00 AM
Client Sample ID:	B-140-SB00	SDG No.:	BF070524
Lab Sample ID:	P3141-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.9
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
BF138469.D	1	7/1/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000192-97-2	Benzo[e]pyrene	310	J			15.374	

Report of Analysis

Client:		Date Collected:	7/1/2024 12:00:00 AM
Project:		Date Received:	7/1/2024 12:00:00 AM
Client Sample ID:	VNJ-231RE	SDG No.:	BF070524
Lab Sample ID:	P3142-01RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138470.D	1	7/1/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52	U	52	160	200	ug/Kg
110-86-1	Pyridine	47.9	U	47.9	77.9	100	ug/Kg
100-52-7	Benzaldehyde	110	U	110	160	200	ug/Kg
62-53-3	Aniline	58	U	58	77.9	100	ug/Kg
108-95-2	Phenol	49.7	U	49.7	77.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	50.1	U	50.1	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	50	U	50	77.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	50.7	U	50.7	77.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	51.5	U	51.5	77.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	51.8	U	51.8	77.9	100	ug/Kg
100-51-6	Benzyl Alcohol	49.7	U	49.7	160	200	ug/Kg
95-48-7	2-Methylphenol	48.3	U	48.3	77.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	54.4	U	54.4	77.9	100	ug/Kg
98-86-2	Acetophenone	52	U	52	77.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	47.8	U	47.8	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	24.1	U	24.1	47.9	47.9	ug/Kg
67-72-1	Hexachloroethane	49.7	U	49.7	77.9	100	ug/Kg
98-95-3	Nitrobenzene	54.4	U	54.4	77.9	100	ug/Kg
78-59-1	Isophorone	50.7	U	50.7	77.9	100	ug/Kg
88-75-5	2-Nitrophenol	56.6	U	56.6	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	55.8	U	55.8	77.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	51.4	U	51.4	77.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	45.2	U	45.2	77.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.1	U	51.1	77.9	100	ug/Kg
65-85-0	Benzoic acid	140	U	140	160	200	ug/Kg
91-20-3	Naphthalene	49.5	U	49.5	77.9	100	ug/Kg
106-47-8	4-Chloroaniline	49.5	U	49.5	77.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	49.9	U	49.9	77.9	100	ug/Kg



Client:			Date Collected:	7/1/2024 12:00:00 AM	
Project:			Date Received:	7/1/2024 12:00:00 AM	
Client Sample ID:	VNJ-231RE		SDG No.:	BF070524	
Lab Sample ID:	P3142-01RE		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	0	
Sample Wt/Vol:	50.09	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:		
Extraction Type :	Decanted :		Level :	LOW	
Injection Volume :	GPC Factor :		GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138470.D	1	7/1/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	52	U	52	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	46.4	U	46.4	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	49.4	U	49.4	77.9	100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	93.4	U	93.4	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	42.8	U	42.8	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	44.3	U	44.3	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	52.3	U	52.3	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	49.9	U	49.9	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	56.9	U	56.9	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	48.9	U	48.9	77.9	100	ug/Kg
208-96-8	Acenaphthylene	51.8	U	51.8	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	49.8	U	49.8	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	53.4	U	53.4	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.6	U	48.6	77.9	100	ug/Kg
Total PAH	Total PAH	793.6	U	793.6	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	160	200	ug/Kg
100-02-7	4-Nitrophenol	69.5	U	69.5	160	200	ug/Kg
132-64-9	Dibenzofuran	50.5	U	50.5	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	101.4	U	101.4	77.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	51.6	U	51.6	77.9	100	ug/Kg
84-66-2	Diethylphthalate	48	U	48	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	51.3	U	51.3	77.9	100	ug/Kg
86-73-7	Fluorene	51.2	U	51.2	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	64.1	U	64.1	77.9	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	70.1	U	70.1	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	48.9	U	48.9	77.9	100	ug/Kg
103-33-3	Azobenzene	47.7	U	47.7	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	47.3	U	47.3	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	50.9	U	50.9	77.9	100	ug/Kg
1912-24-9	Atrazine	54.7	U	54.7	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	7/1/2024 12:00:00 AM
Project:		Date Received:	7/1/2024 12:00:00 AM
Client Sample ID:	VNJ-231RE	SDG No.:	BF070524
Lab Sample ID:	P3142-01RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138470.D	1	7/1/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	46.3	U	46.3	160	200	ug/Kg
85-01-8	Phenanthrene	50.3	U	50.3	77.9	100	ug/Kg
120-12-7	Anthracene	50.5	U	50.5	77.9	100	ug/Kg
86-74-8	Carbazole	48.1	U	48.1	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	50.5	U	50.5	77.9	100	ug/Kg
206-44-0	Fluoranthene	48.9	U	48.9	77.9	100	ug/Kg
92-87-5	Benzidine	97.6	U	97.6	160	200	ug/Kg
129-00-0	Pyrene	49.7	U	49.7	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	58	U	58	77.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	59.1	U	59.1	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	48.3	U	48.3	77.9	100	ug/Kg
218-01-9	Chrysene	47.6	U	47.6	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	54.5	U	54.5	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	65.9	U	65.9	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.6	U	48.6	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	49.5	U	49.5	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	55.7	U	55.7	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46.8	U	46.8	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	48.6	U	48.6	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48	U	48	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	52	U	52	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	65.9	U	65.9	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44.7	U	44.7	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	49.8	U	49.8	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	92.646		18-112		62	SPK: -150
13127-88-3	Phenol-d6	94.575		15-107		63	SPK: -150
4165-60-0	Nitrobenzene-d5	66.739		18-107		67	SPK: -100
321-60-8	2-Fluorobiphenyl	66.549		20-109		67	SPK: -100

Report of Analysis

Client:		Date Collected:	7/1/2024 12:00:00 AM
Project:		Date Received:	7/1/2024 12:00:00 AM
Client Sample ID:	VNJ-231RE	SDG No.:	BF070524
Lab Sample ID:	P3142-01RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138470.D	1	7/1/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	91.815		10-110		61	SPK: -150
1718-51-0	Terphenyl-d14	53.751		14-112		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	60398	6.869				
1146-65-2	Naphthalene-d8	235631	8.151				
15067-26-2	Acenaphthene-d10	130994	9.904				
1517-22-2	Phenanthrene-d10	232959	11.392				
1719-03-5	Chrysene-d12	138549	14.027				
1520-96-3	Perylene-d12	131221	15.498				

Report of Analysis

Client:		Date Collected:	6/28/2024 12:00:00 AM
Project:		Date Received:	6/28/2024 12:00:00 AM
Client Sample ID:	OK-628-COMP-01RE	SDG No.:	BF070524
Lab Sample ID:	P3135-01RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.1
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138471.D	1	7/1/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	56	U	56	170	210	ug/Kg
110-86-1	Pyridine	51.5	U	51.5	83.9	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	170	210	ug/Kg
62-53-3	Aniline	62.5	U	62.5	83.9	110	ug/Kg
108-95-2	Phenol	53.5	U	53.5	83.9	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	54	U	54	83.9	110	ug/Kg
95-57-8	2-Chlorophenol	53.9	U	53.9	83.9	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54.6	U	54.6	83.9	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	55.5	U	55.5	83.9	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	55.8	U	55.8	83.9	110	ug/Kg
100-51-6	Benzyl Alcohol	53.5	U	53.5	170	210	ug/Kg
95-48-7	2-Methylphenol	52	U	52	83.9	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	58.6	U	58.6	83.9	110	ug/Kg
98-86-2	Acetophenone	56.1	U	56.1	83.9	110	ug/Kg
65794-96-9	3+4-Methylphenols	51.5	U	51.5	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	26	U	26	51.6	51.6	ug/Kg
67-72-1	Hexachloroethane	53.5	U	53.5	83.9	110	ug/Kg
98-95-3	Nitrobenzene	58.6	U	58.6	83.9	110	ug/Kg
78-59-1	Isophorone	54.6	U	54.6	83.9	110	ug/Kg
88-75-5	2-Nitrophenol	61	U	61	83.9	110	ug/Kg
105-67-9	2,4-Dimethylphenol	60.1	U	60.1	83.9	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	55.3	U	55.3	83.9	110	ug/Kg
120-83-2	2,4-Dichlorophenol	48.7	U	48.7	83.9	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	55.1	U	55.1	83.9	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	53.3	U	53.3	83.9	110	ug/Kg
106-47-8	4-Chloroaniline	53.3	U	53.3	83.9	110	ug/Kg
87-68-3	Hexachlorobutadiene	53.7	U	53.7	83.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	6/28/2024 12:00:00 AM
Project:		Date Received:	6/28/2024 12:00:00 AM
Client Sample ID:	OK-628-COMP-01RE	SDG No.:	BF070524
Lab Sample ID:	P3135-01RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.1
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138471.D	1	7/1/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	56	U	56	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	50	U	50	83.9	110	ug/Kg
91-57-6	2-Methylnaphthalene	53.2	U	53.2	83.9	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.1	U	46.1	83.9	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	47.7	U	47.7	83.9	110	ug/Kg
92-52-4	1,1-Biphenyl	56.4	U	56.4	83.9	110	ug/Kg
91-58-7	2-Chloronaphthalene	53.7	U	53.7	83.9	110	ug/Kg
88-74-4	2-Nitroaniline	61.3	U	61.3	83.9	110	ug/Kg
131-11-3	Dimethylphthalate	52.7	U	52.7	83.9	110	ug/Kg
208-96-8	Acenaphthylene	55.8	U	55.8	83.9	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.7	U	53.7	83.9	110	ug/Kg
99-09-2	3-Nitroaniline	57.5	U	57.5	83.9	110	ug/Kg
83-32-9	Acenaphthene	52.3	U	52.3	83.9	110	ug/Kg
Total PAH	Total PAH	854.9	U	854.9	83.9	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	170	210	ug/Kg
100-02-7	4-Nitrophenol	74.8	U	74.8	170	210	ug/Kg
132-64-9	Dibenzofuran	54.4	U	54.4	83.9	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.6	U	55.6	83.9	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	109.3	U	109.3	83.9	220	ug/Kg
84-66-2	Diethylphthalate	51.7	U	51.7	83.9	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	55.2	U	55.2	83.9	110	ug/Kg
86-73-7	Fluorene	55.2	U	55.2	83.9	110	ug/Kg
100-01-6	4-Nitroaniline	69	U	69	83.9	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	75.5	U	75.5	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	52.6	U	52.6	83.9	110	ug/Kg
103-33-3	Azobenzene	51.3	U	51.3	83.9	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	50.9	U	50.9	83.9	110	ug/Kg
118-74-1	Hexachlorobenzene	54.8	U	54.8	83.9	110	ug/Kg
1912-24-9	Atrazine	59	U	59	83.9	110	ug/Kg



Client:			Date Collected:	6/28/2024 12:00:00 AM		
Project:			Date Received:	6/28/2024 12:00:00 AM		
Client Sample ID:	OK-628-COMP-01RE		SDG No.:	BF070524		
Lab Sample ID:	P3135-01RE		Matrix:	Solid		
Analytical Method:	8270E		% Moisture:	7.1		
Sample Wt/Vol:	50.06	Units: g	Final Vol:	1000	uL	
Soil Aliquot Vol:	uL		Test:			
Extraction Type :	Decanted :		Level :	LOW		
Injection Volume :	GPC Factor :		GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138471.D	1	7/1/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	49.9	U	49.9	170	210	ug/Kg
85-01-8	Phenanthrene	54.2	U	54.2	83.9	110	ug/Kg
120-12-7	Anthracene	54.4	U	54.4	83.9	110	ug/Kg
86-74-8	Carbazole	51.8	U	51.8	83.9	110	ug/Kg
84-74-2	Di-n-butylphthalate	54.4	U	54.4	83.9	110	ug/Kg
206-44-0	Fluoranthene	52.7	U	52.7	83.9	110	ug/Kg
92-87-5	Benzidine	110	U	110	170	210	ug/Kg
129-00-0	Pyrene	53.5	U	53.5	83.9	110	ug/Kg
85-68-7	Butylbenzylphthalate	62.4	U	62.4	83.9	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	63.6	U	63.6	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	52.1	U	52.1	83.9	110	ug/Kg
218-01-9	Chrysene	51.3	U	51.3	83.9	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	58.7	U	58.7	83.9	110	ug/Kg
117-84-0	Di-n-octyl phthalate	71	U	71	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	52.3	U	52.3	83.9	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	53.3	U	53.3	83.9	110	ug/Kg
50-32-8	Benzo(a)pyrene	60	U	60	83.9	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	50.4	U	50.4	83.9	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	52.4	U	52.4	83.9	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	51.7	U	51.7	83.9	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	56	U	56	83.9	110	ug/Kg
123-91-1	1,4-Dioxane	71	U	71	83.9	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.2	U	48.2	83.9	110	ug/Kg
90-12-0	1-Methylnaphthalene	53.7	U	53.7	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	100.444		18-112		67	SPK: -150
13127-88-3	Phenol-d6	96.8		15-107		65	SPK: -150
4165-60-0	Nitrobenzene-d5	65.288		18-107		65	SPK: -100
321-60-8	2-Fluorobiphenyl	67.441		20-109		67	SPK: -100

Report of Analysis

Client:		Date Collected:	6/28/2024 12:00:00 AM
Project:		Date Received:	6/28/2024 12:00:00 AM
Client Sample ID:	OK-628-COMP-01RE	SDG No.:	BF070524
Lab Sample ID:	P3135-01RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.1
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138471.D	1	7/1/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	96.136		10-110		64	SPK: -150
1718-51-0	Terphenyl-d14	47.463		14-112		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	38144	6.869				
1146-65-2	Naphthalene-d8	144648	8.151				
15067-26-2	Acenaphthene-d10	78441	9.904				
1517-22-2	Phenanthrene-d10	127191	11.392				
1719-03-5	Chrysene-d12	85763	14.027				
1520-96-3	Perylene-d12	62413	15.498				

Report of Analysis

Client:		Date Collected:	6/28/2024 12:00:00 AM
Project:		Date Received:	6/28/2024 12:00:00 AM
Client Sample ID:	OK-628-COMP-02RE	SDG No.:	BF070524
Lab Sample ID:	P3135-07RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.5
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138472.D	1	7/1/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	57.4	U	57.4	180	220	ug/Kg
110-86-1	Pyridine	52.9	U	52.9	86	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	64.1	U	64.1	86	110	ug/Kg
108-95-2	Phenol	54.9	U	54.9	86	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	55.4	U	55.4	86	110	ug/Kg
95-57-8	2-Chlorophenol	55.3	U	55.3	86	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	56	U	56	86	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	56.9	U	56.9	86	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	57.2	U	57.2	86	110	ug/Kg
100-51-6	Benzyl Alcohol	54.9	U	54.9	180	220	ug/Kg
95-48-7	2-Methylphenol	53.3	U	53.3	86	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	60.2	U	60.2	86	110	ug/Kg
98-86-2	Acetophenone	57.5	U	57.5	86	110	ug/Kg
65794-96-9	3+4-Methylphenols	52.8	U	52.8	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	26.7	U	26.7	52.9	52.9	ug/Kg
67-72-1	Hexachloroethane	54.9	U	54.9	86	110	ug/Kg
98-95-3	Nitrobenzene	60.1	U	60.1	86	110	ug/Kg
78-59-1	Isophorone	56	U	56	86	110	ug/Kg
88-75-5	2-Nitrophenol	62.5	U	62.5	86	110	ug/Kg
105-67-9	2,4-Dimethylphenol	61.7	U	61.7	86	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	56.8	U	56.8	86	110	ug/Kg
120-83-2	2,4-Dichlorophenol	50	U	50	86	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	56.5	U	56.5	86	110	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	54.7	U	54.7	86	110	ug/Kg
106-47-8	4-Chloroaniline	54.7	U	54.7	86	110	ug/Kg
87-68-3	Hexachlorobutadiene	55.1	U	55.1	86	110	ug/Kg



Client:			Date Collected:	6/28/2024 12:00:00 AM		
Project:			Date Received:	6/28/2024 12:00:00 AM		
Client Sample ID:	OK-628-COMP-02RE		SDG No.:	BF070524		
Lab Sample ID:	P3135-07RE		Matrix:	Solid		
Analytical Method:	8270E		% Moisture:	9.5		
Sample Wt/Vol:	50.09	Units: g	Final Vol:	1000	uL	
Soil Aliquot Vol:	uL		Test:			
Extraction Type :	Decanted :		Level :	LOW		
Injection Volume :	GPC Factor :		GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138472.D	1	7/1/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	57.4	U	57.4	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	51.3	U	51.3	86	110	ug/Kg
91-57-6	2-Methylnaphthalene	54.6	U	54.6	86	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	47.3	U	47.3	86	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	49	U	49	86	110	ug/Kg
92-52-4	1,1-Biphenyl	57.8	U	57.8	86	110	ug/Kg
91-58-7	2-Chloronaphthalene	55.1	U	55.1	86	110	ug/Kg
88-74-4	2-Nitroaniline	62.9	U	62.9	86	110	ug/Kg
131-11-3	Dimethylphthalate	54.1	U	54.1	86	110	ug/Kg
208-96-8	Acenaphthylene	57.2	U	57.2	86	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	55.1	U	55.1	86	110	ug/Kg
99-09-2	3-Nitroaniline	59	U	59	86	110	ug/Kg
83-32-9	Acenaphthene	53.7	U	53.7	86	110	ug/Kg
Total PAH	Total PAH	877	U	877	86	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	76.8	U	76.8	180	220	ug/Kg
132-64-9	Dibenzofuran	55.9	U	55.9	86	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	112.1	U	112.1	86	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	57	U	57	86	110	ug/Kg
84-66-2	Diethylphthalate	53	U	53	86	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	56.6	U	56.6	86	110	ug/Kg
86-73-7	Fluorene	56.6	U	56.6	86	110	ug/Kg
100-01-6	4-Nitroaniline	70.8	U	70.8	86	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	77.4	U	77.4	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	54	U	54	86	110	ug/Kg
103-33-3	Azobenzene	52.7	U	52.7	86	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	52.2	U	52.2	86	110	ug/Kg
118-74-1	Hexachlorobenzene	56.3	U	56.3	86	110	ug/Kg
1912-24-9	Atrazine	60.5	U	60.5	86	110	ug/Kg



Client:			Date Collected:	6/28/2024 12:00:00 AM		
Project:			Date Received:	6/28/2024 12:00:00 AM		
Client Sample ID:	OK-628-COMP-02RE		SDG No.:	BF070524		
Lab Sample ID:	P3135-07RE		Matrix:	Solid		
Analytical Method:	8270E		% Moisture:	9.5		
Sample Wt/Vol:	50.09	Units: g	Final Vol:	1000	uL	
Soil Aliquot Vol:	uL		Test:			
Extraction Type :	Decanted :		Level :	LOW		
Injection Volume :	GPC Factor :		GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138472.D	1	7/1/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	51.2	U	51.2	180	220	ug/Kg
85-01-8	Phenanthrene	55.6	U	55.6	86	110	ug/Kg
120-12-7	Anthracene	55.9	U	55.9	86	110	ug/Kg
86-74-8	Carbazole	53.1	U	53.1	86	110	ug/Kg
84-74-2	Di-n-butylphthalate	55.8	U	55.8	86	110	ug/Kg
206-44-0	Fluoranthene	54.1	U	54.1	86	110	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	54.9	U	54.9	86	110	ug/Kg
85-68-7	Butylbenzylphthalate	64.1	U	64.1	86	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	65.3	U	65.3	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	53.4	U	53.4	86	110	ug/Kg
218-01-9	Chrysene	52.6	U	52.6	86	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	60.2	U	60.2	86	110	ug/Kg
117-84-0	Di-n-octyl phthalate	72.8	U	72.8	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	53.7	U	53.7	86	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	54.7	U	54.7	86	110	ug/Kg
50-32-8	Benzo(a)pyrene	61.5	U	61.5	86	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	51.7	U	51.7	86	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	53.7	U	53.7	86	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	53	U	53	86	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57.4	U	57.4	86	110	ug/Kg
123-91-1	1,4-Dioxane	72.8	U	72.8	86	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.4	U	49.4	86	110	ug/Kg
90-12-0	1-Methylnaphthalene	55.1	U	55.1	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	99.371		18-112		66	SPK: -150
13127-88-3	Phenol-d6	96.691		15-107		64	SPK: -150
4165-60-0	Nitrobenzene-d5	65.011		18-107		65	SPK: -100
321-60-8	2-Fluorobiphenyl	67.577		20-109		68	SPK: -100

Report of Analysis

Client:		Date Collected:	6/28/2024 12:00:00 AM
Project:		Date Received:	6/28/2024 12:00:00 AM
Client Sample ID:	OK-628-COMP-02RE	SDG No.:	BF070524
Lab Sample ID:	P3135-07RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.5
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138472.D	1	7/1/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	88.765		10-110		59	SPK: -150
1718-51-0	Terphenyl-d14	48.625		14-112		49	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	56626	6.869				
1146-65-2	Naphthalene-d8	221593	8.151				
15067-26-2	Acenaphthene-d10	115221	9.904				
1517-22-2	Phenanthrene-d10	176391	11.392				
1719-03-5	Chrysene-d12	116449	14.027				
1520-96-3	Perylene-d12	83443	15.498				

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	NB-08-070324	SDG No.:	BF070524
Lab Sample ID:	P3166-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.3
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138473.D	1	7/5/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	60.7	U	60.7	190	230	ug/Kg
110-86-1	Pyridine	55.8	U	55.8	90.9	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	190	230	ug/Kg
62-53-3	Aniline	67.7	U	67.7	90.9	120	ug/Kg
108-95-2	Phenol	57.9	U	57.9	90.9	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	58.5	U	58.5	90.9	120	ug/Kg
95-57-8	2-Chlorophenol	58.4	U	58.4	90.9	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	59.1	U	59.1	90.9	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	60.1	U	60.1	90.9	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	60.5	U	60.5	90.9	120	ug/Kg
100-51-6	Benzyl Alcohol	58	U	58	190	230	ug/Kg
95-48-7	2-Methylphenol	56.3	U	56.3	90.9	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	63.5	U	63.5	90.9	120	ug/Kg
98-86-2	Acetophenone	60.7	U	60.7	90.9	120	ug/Kg
65794-96-9	3+4-Methylphenols	55.8	U	55.8	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	28.2	U	28.2	55.9	55.9	ug/Kg
67-72-1	Hexachloroethane	58	U	58	90.9	120	ug/Kg
98-95-3	Nitrobenzene	63.5	U	63.5	90.9	120	ug/Kg
78-59-1	Isophorone	59.1	U	59.1	90.9	120	ug/Kg
88-75-5	2-Nitrophenol	66	U	66	90.9	120	ug/Kg
105-67-9	2,4-Dimethylphenol	65.1	U	65.1	90.9	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	60	U	60	90.9	120	ug/Kg
120-83-2	2,4-Dichlorophenol	52.8	U	52.8	90.9	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	59.7	U	59.7	90.9	120	ug/Kg
65-85-0	Benzoic acid	170	U	170	190	230	ug/Kg
91-20-3	Naphthalene	57.7	U	57.7	90.9	120	ug/Kg
106-47-8	4-Chloroaniline	57.7	U	57.7	90.9	120	ug/Kg
87-68-3	Hexachlorobutadiene	58.2	U	58.2	90.9	120	ug/Kg

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	NB-08-070324	SDG No.:	BF070524
Lab Sample ID:	P3166-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.3
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138473.D	1	7/5/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	60.7	U	60.7	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	54.2	U	54.2	90.9	120	ug/Kg
91-57-6	2-Methylnaphthalene	57.7	U	57.7	90.9	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	49.9	U	49.9	90.9	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	51.7	U	51.7	90.9	120	ug/Kg
92-52-4	1,1-Biphenyl	61.1	U	61.1	90.9	120	ug/Kg
91-58-7	2-Chloronaphthalene	58.2	U	58.2	90.9	120	ug/Kg
88-74-4	2-Nitroaniline	66.4	U	66.4	90.9	120	ug/Kg
131-11-3	Dimethylphthalate	57.1	U	57.1	90.9	120	ug/Kg
208-96-8	Acenaphthylene	60.5	U	60.5	90.9	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	58.1	U	58.1	90.9	120	ug/Kg
99-09-2	3-Nitroaniline	62.3	U	62.3	90.9	120	ug/Kg
83-32-9	Acenaphthene	56.7	U	56.7	90.9	120	ug/Kg
Total PAH	Total PAH	1368.7	U	926.2	90.9	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	190	230	ug/Kg
100-02-7	4-Nitrophenol	81.1	U	81.1	190	230	ug/Kg
132-64-9	Dibenzofuran	59	U	59	90.9	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	60.2	U	60.2	90.9	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	18.3	U	118.3	90.9	240	ug/Kg
84-66-2	Diethylphthalate	56	U	56	90.9	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	59.8	U	59.8	90.9	120	ug/Kg
86-73-7	Fluorene	59.8	U	59.8	90.9	120	ug/Kg
100-01-6	4-Nitroaniline	74.8	U	74.8	90.9	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	81.8	U	81.8	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	57	U	57	90.9	120	ug/Kg
103-33-3	Azobenzene	55.6	U	55.6	90.9	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	55.1	U	55.1	90.9	120	ug/Kg
118-74-1	Hexachlorobenzene	59.4	U	59.4	90.9	120	ug/Kg
1912-24-9	Atrazine	63.9	U	63.9	90.9	120	ug/Kg

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	NB-08-070324	SDG No.:	BF070524
Lab Sample ID:	P3166-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.3
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138473.D	1	7/5/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	54	U	54	190	230	ug/Kg
85-01-8	Phenanthrene	80.7	J	58.7	90.9	120	ug/Kg
120-12-7	Anthracene	59	U	59	90.9	120	ug/Kg
86-74-8	Carbazole	56.1	U	56.1	90.9	120	ug/Kg
84-74-2	Di-n-butylphthalate	58.9	U	58.9	90.9	120	ug/Kg
206-44-0	Fluoranthene	270		57.1	90.9	120	ug/Kg
92-87-5	Benzidine	110	U	110	190	230	ug/Kg
129-00-0	Pyrene	170		58	90.9	120	ug/Kg
85-68-7	Butylbenzylphthalate	67.6	U	67.6	90.9	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	68.9	U	68.9	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	120		56.4	90.9	120	ug/Kg
218-01-9	Chrysene	140		55.6	90.9	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	63.6	U	63.6	90.9	120	ug/Kg
117-84-0	Di-n-octyl phthalate	76.9	U	76.9	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	210		56.7	90.9	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	57.7	U	57.7	90.9	120	ug/Kg
50-32-8	Benzo(a)pyrene	140		65	90.9	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	98	J	54.6	90.9	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	56.7	U	56.7	90.9	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140		56	90.9	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	60.7	U	60.7	90.9	120	ug/Kg
123-91-1	1,4-Dioxane	76.9	U	76.9	90.9	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52.2	U	52.2	90.9	120	ug/Kg
90-12-0	1-Methylnaphthalene	58.1	U	58.1	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	118.272		18-112		79	SPK: -150
13127-88-3	Phenol-d6	115.179		15-107		77	SPK: -150
4165-60-0	Nitrobenzene-d5	76.465		18-107		76	SPK: -100
321-60-8	2-Fluorobiphenyl	77.298		20-109		77	SPK: -100

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	NB-08-070324	SDG No.:	BF070524
Lab Sample ID:	P3166-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.3
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138473.D	1	7/5/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	101.462		10-110		68	SPK: -150
1718-51-0	Terphenyl-d14	57.293		14-112		57	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	44449	6.869				
1146-65-2	Naphthalene-d8	176262	8.151				
15067-26-2	Acenaphthene-d10	91051	9.91				
1517-22-2	Phenanthrene-d10	128676	11.392				
1719-03-5	Chrysene-d12	88660	14.027				
1520-96-3	Perylene-d12	66138	15.498				
TENTATIVE IDENTIFIED COMPOUNDS							
000629-50-5	Tridecane	600	J			8.739	
001560-93-6	Pentadecane, 2-methyl-	360	J			9.104	
000629-59-4	Tetradecane	1200	J			9.304	
1000342-70-4	1-Octadecanesulphonyl chloride	830	J			9.628	
000629-62-9	Pentadecane	1600	J			9.834	
1000309-20-2	Sulfurous acid, 2-ethylhexyl hexyl	370	J			10.069	
073105-67-6	1-Iodo-2-methylundecane	660	J			10.157	
000544-76-3	Hexadecane	2000	J			10.334	
017301-28-9	Undecane, 3,6-dimethyl-	1100	J			10.557	
000629-78-7	Heptadecane	3100	J			10.81	
000629-94-7	Heneicosane	1900	J			11.257	
001560-96-9	Tridecane, 2-methyl-	1100	J			11.286	
000112-95-8	Eicosane	1600	J			11.681	
000112-39-0	Hexadecanoic acid, methyl ester	880	J			11.781	
055045-08-4	Dodecane, 2-methyl-6-propyl-	1400	J			12.086	
002566-97-4	9,12-Octadecadienoic acid, methyl	4600	J			12.475	
000112-62-9	9-Octadecenoic acid (Z)-, methyl e	2000	J			12.492	
000593-49-7	Heptacosane	660	J			13.204	
000646-31-1	Tetracosane	420	J			13.545	

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	NB-08-070324	SDG No.:	BF070524
Lab Sample ID:	P3166-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.3
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138473.D	1	7/5/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
054833-23-7	Eicosane, 10-methyl-	570	J			13.874	

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	SU-04-070324	SDG No.:	BF070524
Lab Sample ID:	P3159-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.4
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
BF138474.D	1	7/5/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	54.4	U	54.4	170	210	ug/Kg
110-86-1	Pyridine	50.1	U	50.1	81.5	110	ug/Kg
100-52-7	Benzaldehyde	110	U	110	170	210	ug/Kg
62-53-3	Aniline	60.8	U	60.8	81.5	110	ug/Kg
108-95-2	Phenol	52	U	52	81.5	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	52.5	U	52.5	81.5	110	ug/Kg
95-57-8	2-Chlorophenol	52.4	U	52.4	81.5	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	53	U	53	81.5	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	53.9	U	53.9	81.5	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	54.2	U	54.2	81.5	110	ug/Kg
100-51-6	Benzyl Alcohol	52	U	52	170	210	ug/Kg
95-48-7	2-Methylphenol	50.5	U	50.5	81.5	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	57	U	57	81.5	110	ug/Kg
98-86-2	Acetophenone	54.5	U	54.5	81.5	110	ug/Kg
65794-96-9	3+4-Methylphenols	50	U	50	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	25.3	U	25.3	50.2	50.2	ug/Kg
67-72-1	Hexachloroethane	52	U	52	81.5	110	ug/Kg
98-95-3	Nitrobenzene	56.9	U	56.9	81.5	110	ug/Kg
78-59-1	Isophorone	53	U	53	81.5	110	ug/Kg
88-75-5	2-Nitrophenol	59.3	U	59.3	81.5	110	ug/Kg
105-67-9	2,4-Dimethylphenol	58.4	U	58.4	81.5	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	53.8	U	53.8	81.5	110	ug/Kg
120-83-2	2,4-Dichlorophenol	47.3	U	47.3	81.5	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	53.5	U	53.5	81.5	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	51.8	U	51.8	81.5	110	ug/Kg
106-47-8	4-Chloroaniline	51.8	U	51.8	81.5	110	ug/Kg
87-68-3	Hexachlorobutadiene	52.2	U	52.2	81.5	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	SU-04-070324	SDG No.:	BF070524
Lab Sample ID:	P3159-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.4
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
BF138474.D	1	7/5/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	54.4	U	54.4	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	48.6	U	48.6	81.5	110	ug/Kg
91-57-6	2-Methylnaphthalene	51.7	U	51.7	81.5	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	97.8	U	97.8	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	44.8	U	44.8	81.5	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	46.4	U	46.4	81.5	110	ug/Kg
92-52-4	1,1-Biphenyl	54.8	U	54.8	81.5	110	ug/Kg
91-58-7	2-Chloronaphthalene	52.2	U	52.2	81.5	110	ug/Kg
88-74-4	2-Nitroaniline	59.6	U	59.6	81.5	110	ug/Kg
131-11-3	Dimethylphthalate	51.2	U	51.2	81.5	110	ug/Kg
208-96-8	Acenaphthylene	54.2	U	54.2	81.5	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	52.2	U	52.2	81.5	110	ug/Kg
99-09-2	3-Nitroaniline	55.9	U	55.9	81.5	110	ug/Kg
83-32-9	Acenaphthene	50.8	U	50.8	81.5	110	ug/Kg
Total PAH	Total PAH	830.6	U	830.6	81.5	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	170	210	ug/Kg
100-02-7	4-Nitrophenol	72.7	U	72.7	170	210	ug/Kg
132-64-9	Dibenzofuran	52.9	U	52.9	81.5	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	106.2	U	106.2	81.5	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	54	U	54	81.5	110	ug/Kg
84-66-2	Diethylphthalate	50.2	U	50.2	81.5	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	53.7	U	53.7	81.5	110	ug/Kg
86-73-7	Fluorene	53.6	U	53.6	81.5	110	ug/Kg
100-01-6	4-Nitroaniline	67.1	U	67.1	81.5	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	73.4	U	73.4	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	51.2	U	51.2	81.5	110	ug/Kg
103-33-3	Azobenzene	49.9	U	49.9	81.5	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	49.5	U	49.5	81.5	110	ug/Kg
118-74-1	Hexachlorobenzene	53.3	U	53.3	81.5	110	ug/Kg
1912-24-9	Atrazine	57.3	U	57.3	81.5	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	SU-04-070324	SDG No.:	BF070524
Lab Sample ID:	P3159-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.4
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
BF138474.D	1	7/5/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	48.5	U	48.5	170	210	ug/Kg
85-01-8	Phenanthrene	52.7	U	52.7	81.5	110	ug/Kg
120-12-7	Anthracene	52.9	U	52.9	81.5	110	ug/Kg
86-74-8	Carbazole	50.3	U	50.3	81.5	110	ug/Kg
84-74-2	Di-n-butylphthalate	52.9	U	52.9	81.5	110	ug/Kg
206-44-0	Fluoranthene	67.3	J	51.2	81.5	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	52	U	52	81.5	110	ug/Kg
85-68-7	Butylbenzylphthalate	60.7	U	60.7	81.5	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	61.8	U	61.8	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	50.6	U	50.6	81.5	110	ug/Kg
218-01-9	Chrysene	49.8	U	49.8	81.5	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	57.1	U	57.1	81.5	110	ug/Kg
117-84-0	Di-n-octyl phthalate	69	U	69	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	58	J	50.8	81.5	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	51.8	U	51.8	81.5	110	ug/Kg
50-32-8	Benzo(a)pyrene	58.3	U	58.3	81.5	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	49	U	49	81.5	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	50.9	U	50.9	81.5	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	57	J	50.2	81.5	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	54.4	U	54.4	81.5	110	ug/Kg
123-91-1	1,4-Dioxane	69	U	69	81.5	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46.8	U	46.8	81.5	110	ug/Kg
90-12-0	1-Methylnaphthalene	52.2	U	52.2	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	117.82		18-112		79	SPK: -150
13127-88-3	Phenol-d6	116.031		15-107		77	SPK: -150
4165-60-0	Nitrobenzene-d5	76.126		18-107		76	SPK: -100
321-60-8	2-Fluorobiphenyl	82.999		20-109		83	SPK: -100

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	SU-04-070324	SDG No.:	BF070524
Lab Sample ID:	P3159-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.4
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
BF138474.D	1	7/5/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	106.259		10-110		71	SPK: -150
1718-51-0	Terphenyl-d14	67.632		14-112		68	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	44922	6.869				
1146-65-2	Naphthalene-d8	175602	8.151				
15067-26-2	Acenaphthene-d10	87043	9.904				
1517-22-2	Phenanthrene-d10	133104	11.392				
1719-03-5	Chrysene-d12	81411	14.027				
1520-96-3	Perylene-d12	61996	15.498				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	A			5.063	
000629-50-5	Tridecane	48.3	J			9.304	
000112-40-3	Dodecane	49.5	J			9.622	
000544-76-3	Hexadecane	86.1	J			9.834	
	unknown10.004	42.6	J			10.004	
000629-59-4	Tetradecane	110	J			10.334	
062108-26-3	Decane, 2,6,8-trimethyl-	74.8	J			10.551	
000629-92-5	Nonadecane	200	J			10.804	
000629-78-7	Heptadecane	120	J			11.251	
004292-19-7	Dodecane, 1-iodo-	80.5	J			11.286	
000629-94-7	Heneicosane	110	J			11.681	
000057-10-3	n-Hexadecanoic acid	73.4	J			11.916	
000593-49-7	Heptacosane	95.7	J			12.086	
000630-02-4	Octacosane	160	J			12.475	
	unknown12.698	43.3	J			12.698	
073105-67-6	1-Iodo-2-methylundecane	62.9	J			13.204	
000112-95-8	Eicosane	66	J			13.545	
1000383-11-5	Carbonic acid, octadecyl prop-1-en	140	J			13.874	

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	SU-04-070324MS	SDG No.:	BF070524
Lab Sample ID:	P3159-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.4
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138475.D	1	7/5/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		54.4	170	210	ug/Kg
110-86-1	Pyridine	930		50.1	81.5	110	ug/Kg
100-52-7	Benzaldehyde	200	J	110	170	210	ug/Kg
62-53-3	Aniline	690		60.8	81.5	110	ug/Kg
108-95-2	Phenol	1100		52	81.5	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	990		52.5	81.5	110	ug/Kg
95-57-8	2-Chlorophenol	1100		52.4	81.5	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		53.1	81.5	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	980		53.9	81.5	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		54.3	81.5	110	ug/Kg
100-51-6	Benzyl Alcohol	1100		52.1	170	210	ug/Kg
95-48-7	2-Methylphenol	1000		50.6	81.5	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		57	81.5	110	ug/Kg
98-86-2	Acetophenone	1000		54.5	81.5	110	ug/Kg
65794-96-9	3+4-Methylphenols	1100		50.1	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	980		25.3	50.2	50.2	ug/Kg
67-72-1	Hexachloroethane	970		52.1	81.5	110	ug/Kg
98-95-3	Nitrobenzene	1000		57	81.5	110	ug/Kg
78-59-1	Isophorone	1000		53.1	81.5	110	ug/Kg
88-75-5	2-Nitrophenol	1100		59.3	81.5	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		58.5	81.5	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	970		53.8	81.5	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		47.4	81.5	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	980		53.6	81.5	110	ug/Kg
65-85-0	Benzoic acid	740		150	170	210	ug/Kg
91-20-3	Naphthalene	1000		51.8	81.5	110	ug/Kg
106-47-8	4-Chloroaniline	450		51.8	81.5	110	ug/Kg
87-68-3	Hexachlorobutadiene	960		52.2	81.5	110	ug/Kg



Report of Analysis

Client:			Date Collected:	7/3/2024 12:00:00 AM	
Project:			Date Received:	7/3/2024 12:00:00 AM	
Client Sample ID:	SU-04-070324MS		SDG No.:	BF070524	
Lab Sample ID:	P3159-01MS		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	4.4	
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
BF138475.D	1	7/5/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	990		54.4	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		48.6	81.5	110	ug/Kg
91-57-6	2-Methylnaphthalene	990		51.7	81.5	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	970		97.8	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		44.8	81.5	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		46.4	81.5	110	ug/Kg
92-52-4	1,1-Biphenyl	1000		54.8	81.5	110	ug/Kg
91-58-7	2-Chloronaphthalene	1000		52.2	81.5	110	ug/Kg
88-74-4	2-Nitroaniline	1200		59.6	81.5	110	ug/Kg
131-11-3	Dimethylphthalate	1100		51.2	81.5	110	ug/Kg
208-96-8	Acenaphthylene	1100		54.3	81.5	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		52.2	81.5	110	ug/Kg
99-09-2	3-Nitroaniline	840		55.9	81.5	110	ug/Kg
83-32-9	Acenaphthene	1000		50.9	81.5	110	ug/Kg
Total PAH	Total PAH	18010		831.1	81.5	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	1000		150	170	210	ug/Kg
100-02-7	4-Nitrophenol	2200	E	72.8	170	210	ug/Kg
132-64-9	Dibenzofuran	1000		52.9	81.5	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2000		106.3	81.5	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		54.1	81.5	110	ug/Kg
84-66-2	Diethylphthalate	1100		50.2	81.5	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	980		53.7	81.5	110	ug/Kg
86-73-7	Fluorene	970		53.6	81.5	110	ug/Kg
100-01-6	4-Nitroaniline	1000		67.1	81.5	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	710		73.4	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		51.2	81.5	110	ug/Kg
103-33-3	Azobenzene	1000		49.9	81.5	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		49.5	81.5	110	ug/Kg
118-74-1	Hexachlorobenzene	970		53.3	81.5	110	ug/Kg
1912-24-9	Atrazine	1200		57.3	81.5	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	SU-04-070324MS	SDG No.:	BF070524
Lab Sample ID:	P3159-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.4
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
BF138475.D	1	7/5/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2000	E	48.5	170	210	ug/Kg
85-01-8	Phenanthrene	1100		52.7	81.5	110	ug/Kg
120-12-7	Anthracene	1100		52.9	81.5	110	ug/Kg
86-74-8	Carbazole	1200		50.4	81.5	110	ug/Kg
84-74-2	Di-n-butylphthalate	1100		52.9	81.5	110	ug/Kg
206-44-0	Fluoranthene	1300		51.2	81.5	110	ug/Kg
92-87-5	Benzidine	4000	E	100	170	210	ug/Kg
129-00-0	Pyrene	940		52.1	81.5	110	ug/Kg
85-68-7	Butylbenzylphthalate	1200		60.7	81.5	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	970		61.8	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	1100		50.6	81.5	110	ug/Kg
218-01-9	Chrysene	1100		49.9	81.5	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		57.1	81.5	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1000		69	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		50.9	81.5	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		51.8	81.5	110	ug/Kg
50-32-8	Benzo(a)pyrene	1200		58.3	81.5	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300		49	81.5	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1300		50.9	81.5	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		50.2	81.5	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		54.4	81.5	110	ug/Kg
123-91-1	1,4-Dioxane	840		69	81.5	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	990		46.9	81.5	110	ug/Kg
90-12-0	1-Methylnaphthalene	950		52.2	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	131.43		18-112		88	SPK: -150
13127-88-3	Phenol-d6	127.774		15-107		85	SPK: -150
4165-60-0	Nitrobenzene-d5	88.739		18-107		89	SPK: -100
321-60-8	2-Fluorobiphenyl	92.17		20-109		92	SPK: -100

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	SU-04-070324MS	SDG No.:	BF070524
Lab Sample ID:	P3159-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.4
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
BF138475.D	1	7/5/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	125.36		10-110		84	SPK: -150
1718-51-0	Terphenyl-d14	78.574		14-112		79	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	60528	6.875				
1146-65-2	Naphthalene-d8	233038	8.157				
15067-26-2	Acenaphthene-d10	115267	9.91				
1517-22-2	Phenanthrene-d10	167735	11.392				
1719-03-5	Chrysene-d12	99950	14.033				
1520-96-3	Perylene-d12	79894	15.504				

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	SU-04-070324MSD	SDG No.:	BF070524
Lab Sample ID:	P3159-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.4
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138476.D	1	7/5/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		54.4	170	210	ug/Kg
110-86-1	Pyridine	960		50.1	81.5	110	ug/Kg
100-52-7	Benzaldehyde	210		110	170	210	ug/Kg
62-53-3	Aniline	740		60.7	81.5	110	ug/Kg
108-95-2	Phenol	1100		52	81.5	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		52.5	81.5	110	ug/Kg
95-57-8	2-Chlorophenol	1100		52.3	81.5	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		53	81.5	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		53.9	81.5	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		54.2	81.5	110	ug/Kg
100-51-6	Benzyl Alcohol	1100		52	170	210	ug/Kg
95-48-7	2-Methylphenol	1100		50.5	81.5	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		57	81.5	110	ug/Kg
98-86-2	Acetophenone	1000		54.5	81.5	110	ug/Kg
65794-96-9	3+4-Methylphenols	1100		50	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1000		25.3	50.1	50.1	ug/Kg
67-72-1	Hexachloroethane	990		52	81.5	110	ug/Kg
98-95-3	Nitrobenzene	1100		56.9	81.5	110	ug/Kg
78-59-1	Isophorone	1000		53	81.5	110	ug/Kg
88-75-5	2-Nitrophenol	1100		59.2	81.5	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		58.4	81.5	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		53.8	81.5	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		47.3	81.5	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	990		53.5	81.5	110	ug/Kg
65-85-0	Benzoic acid	780		150	170	210	ug/Kg
91-20-3	Naphthalene	1000		51.8	81.5	110	ug/Kg
106-47-8	4-Chloroaniline	470		51.8	81.5	110	ug/Kg
87-68-3	Hexachlorobutadiene	990		52.2	81.5	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	SU-04-070324MSD	SDG No.:	BF070524
Lab Sample ID:	P3159-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.4
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138476.D	1	7/5/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1000		54.4	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		48.6	81.5	110	ug/Kg
91-57-6	2-Methylnaphthalene	990		51.7	81.5	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1000		97.8	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		44.8	81.5	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		46.4	81.5	110	ug/Kg
92-52-4	1,1-Biphenyl	1000		54.8	81.5	110	ug/Kg
91-58-7	2-Chloronaphthalene	1000		52.2	81.5	110	ug/Kg
88-74-4	2-Nitroaniline	1200		59.6	81.5	110	ug/Kg
131-11-3	Dimethylphthalate	1100		51.2	81.5	110	ug/Kg
208-96-8	Acenaphthylene	1100		54.2	81.5	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		52.2	81.5	110	ug/Kg
99-09-2	3-Nitroaniline	840		55.9	81.5	110	ug/Kg
83-32-9	Acenaphthene	1000		50.8	81.5	110	ug/Kg
Total PAH	Total PAH	17970		830.6	81.5	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	1100		150	170	210	ug/Kg
100-02-7	4-Nitrophenol	2200	E	72.7	170	210	ug/Kg
132-64-9	Dibenzofuran	1000		52.9	81.5	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2200		106.2	81.5	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		54	81.5	110	ug/Kg
84-66-2	Diethylphthalate	1100		50.2	81.5	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	980		53.7	81.5	110	ug/Kg
86-73-7	Fluorene	980		53.6	81.5	110	ug/Kg
100-01-6	4-Nitroaniline	1000		67.1	81.5	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	730		73.3	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		51.2	81.5	110	ug/Kg
103-33-3	Azobenzene	1000		49.9	81.5	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		49.5	81.5	110	ug/Kg
118-74-1	Hexachlorobenzene	970		53.3	81.5	110	ug/Kg
1912-24-9	Atrazine	1200		57.3	81.5	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	SU-04-070324MSD	SDG No.:	BF070524
Lab Sample ID:	P3159-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.4
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138476.D	1	7/5/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2100	E	48.5	170	210	ug/Kg
85-01-8	Phenanthrene	1100		52.7	81.5	110	ug/Kg
120-12-7	Anthracene	1100		52.9	81.5	110	ug/Kg
86-74-8	Carbazole	1200		50.3	81.5	110	ug/Kg
84-74-2	Di-n-butylphthalate	1100		52.8	81.5	110	ug/Kg
206-44-0	Fluoranthene	1300		51.2	81.5	110	ug/Kg
92-87-5	Benzidine	4500	E	100	170	210	ug/Kg
129-00-0	Pyrene	990		52	81.5	110	ug/Kg
85-68-7	Butylbenzylphthalate	1200		60.7	81.5	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		61.8	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	1100		50.6	81.5	110	ug/Kg
218-01-9	Chrysene	1100		49.8	81.5	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		57	81.5	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		69	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		50.8	81.5	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		51.8	81.5	110	ug/Kg
50-32-8	Benzo(a)pyrene	1100		58.3	81.5	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300		49	81.5	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1300		50.9	81.5	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		50.2	81.5	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		54.4	81.5	110	ug/Kg
123-91-1	1,4-Dioxane	860		69	81.5	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		46.8	81.5	110	ug/Kg
90-12-0	1-Methylnaphthalene	940		52.2	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	134.436		18-112		90	SPK: -150
13127-88-3	Phenol-d6	130.095		15-107		87	SPK: -150
4165-60-0	Nitrobenzene-d5	90.374		18-107		90	SPK: -100
321-60-8	2-Fluorobiphenyl	92.763		20-109		93	SPK: -100

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	SU-04-070324MSD	SDG No.:	BF070524
Lab Sample ID:	P3159-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.4
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138476.D	1	7/5/2024 12:00:00 AM	7/5/2024 12:00:00 AM	PB161920

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	126.788		10-110		85	SPK: -150
1718-51-0	Terphenyl-d14	82.798		14-112		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	66540	6.875				
1146-65-2	Naphthalene-d8	258400	8.157				
15067-26-2	Acenaphthene-d10	128312	9.91				
1517-22-2	Phenanthrene-d10	189414	11.398				
1719-03-5	Chrysene-d12	106279	14.033				
1520-96-3	Perylene-d12	89170	15.504				

Hit Summary Sheet SW-846

SDG No.: BF070524

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW12-20240625DL2								
P3073-02DL2	MW12-20240625DL2	Water	1,1-Biphenyl	53.300	D	9.2	50.5	ug/L
P3073-02DL2	MW12-20240625DL2	Water	1-Methylnaphthalene	430.000	D	8.7	50.5	ug/L
P3073-02DL2	MW12-20240625DL2	Water	2-Methylnaphthalene	120.000	D	11.4	50.5	ug/L
P3073-02DL2	MW12-20240625DL2	Water	Acenaphthene	81.400	D	8.2	50.5	ug/L
P3073-02DL2	MW12-20240625DL2	Water	Fluorene	33.600	JD	9.7	50.5	ug/L
P3073-02DL2	MW12-20240625DL2	Water	Naphthalene	800.000	D	10.3	50.5	ug/L
P3073-02DL2	MW12-20240625DL2	Water	Phenanthrene	55.700	D	9	50.5	ug/L
P3073-02DL2	MW12-20240625DL2	Water	Total PAH	970.000	D	174.6	808	ug/L
Total Svoc :				2,544.00				
Total Concentration:				2,544.00				
Client ID : B-140-SB00								
P3141-01	B-140-SB00	Solid	1-Phenoxypropan-2-ol	*	130.000	J		
P3141-01	B-140-SB00	Solid	11H-Benzo[a]fluoren-11-one	*	240.000	J		
P3141-01	B-140-SB00	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	310.000	A		
P3141-01	B-140-SB00	Solid	4H-Cyclopenta[def]phenanthrene	*	140.000	J		
P3141-01	B-140-SB00	Solid	9-Octadecenamide, (Z)-	*	97.600	J		
P3141-01	B-140-SB00	Solid	Benzo[e]pyrene	*	310.000	J		
P3141-01	B-140-SB00	Solid	Decane	*	290.000	J		
P3141-01	B-140-SB00	Solid	Decane, 2,6,8-trimethyl-	*	120.000	J		
P3141-01	B-140-SB00	Solid	Decane, 3,3,5-trimethyl-	*	130.000	J		
P3141-01	B-140-SB00	Solid	Dodecane, 2,6,11-trimethyl-	*	280.000	J		
P3141-01	B-140-SB00	Solid	Dodecane, 2-methyl-	*	180.000	J		
P3141-01	B-140-SB00	Solid	Dodecane, 6-methyl-	*	160.000	J		
P3141-01	B-140-SB00	Solid	Hexadecane, 2,6,10,14-tetramethyl-	*	110.000	J		
P3141-01	B-140-SB00	Solid	n-Hexadecanoic acid	*	400.000	J		
P3141-01	B-140-SB00	Solid	Phenanthrene, 2-methyl-	*	110.000	J		
P3141-01	B-140-SB00	Solid	Tetradecane	*	540.000	J		
P3141-01	B-140-SB00	Solid	Tridecane	*	910.000	J		
P3141-01	B-140-SB00	Solid	Tridecane, 2-methyl-	*	110.000	J		
P3141-01	B-140-SB00	Solid	Undecane, 2,6-dimethyl-	*	120.000	J		
P3141-01	B-140-SB00	Solid	Undecane, 2,8-dimethyl-	*	120.000	J		
Total Tics :				4,807.60				
P3141-01	B-140-SB00	Solid	Anthracene		140.000	J	93.6	190 ug/Kg
P3141-01	B-140-SB00	Solid	Benzo(a)anthracene		380.000		89.5	190 ug/Kg
P3141-01	B-140-SB00	Solid	Benzo(a)pyrene		330.000		100	190 ug/Kg
P3141-01	B-140-SB00	Solid	Benzo(b)fluoranthene		620.000		90	190 ug/Kg
P3141-01	B-140-SB00	Solid	Benzo(g,h,i)perylene		190.000		88.9	190 ug/Kg

Hit Summary Sheet SW-846

SDG No.: BF070524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3141-01	B-140-SB00	Solid	Benzo(k)fluoranthene	220.000		91.6	190	ug/Kg
P3141-01	B-140-SB00	Solid	Chrysene	540.000		88.2	190	ug/Kg
P3141-01	B-140-SB00	Solid	Fluoranthene	1,000.000		90.6	190	ug/Kg
P3141-01	B-140-SB00	Solid	Indeno(1,2,3-cd)pyrene	160.000	J	86.7	190	ug/Kg
P3141-01	B-140-SB00	Solid	Phenanthrene	760.000		93.2	190	ug/Kg
P3141-01	B-140-SB00	Solid	Pyrene	650.000		92.1	190	ug/Kg
Total Svoc :				4,990.00				
Total Concentration:				9,797.60				

Client ID : B-140-SB01RE

P3141-02RE	B-140-SB01RE	Solid	Fluoranthene	140.000	J	97.6	200	ug/Kg
P3141-02RE	B-140-SB01RE	Solid	Pyrene	120.000	J	99.2	200	ug/Kg
Total Svoc :				260.00				
Total Concentration:				260.00				

Client ID : SU-04-070324

P3159-01	SU-04-070324	Solid	1-Iodo-2-methylundecane	*	62.900	J		
P3159-01	SU-04-070324	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	210.000	A		
P3159-01	SU-04-070324	Solid	Carbonic acid, octadecyl prop-1-e	*	140.000	J		
P3159-01	SU-04-070324	Solid	Decane, 2,6,8-trimethyl-	*	74.800	J		
P3159-01	SU-04-070324	Solid	Dodecane	*	49.500	J		
P3159-01	SU-04-070324	Solid	Dodecane, 1-iodo-	*	80.500	J		
P3159-01	SU-04-070324	Solid	Eicosane	*	66.000	J		
P3159-01	SU-04-070324	Solid	Heneicosane	*	110.000	J		
P3159-01	SU-04-070324	Solid	Heptacosane	*	95.700	J		
P3159-01	SU-04-070324	Solid	Heptadecane	*	120.000	J		
P3159-01	SU-04-070324	Solid	Hexadecane	*	86.100	J		
P3159-01	SU-04-070324	Solid	n-Hexadecanoic acid	*	73.400	J		
P3159-01	SU-04-070324	Solid	Nonadecane	*	200.000	J		
P3159-01	SU-04-070324	Solid	Octacosane	*	160.000	J		
P3159-01	SU-04-070324	Solid	Tetradecane	*	110.000	J		
P3159-01	SU-04-070324	Solid	Tridecane	*	48.300	J		
P3159-01	SU-04-070324	Solid	unknown10.004	*	42.600	J		
P3159-01	SU-04-070324	Solid	unknown12.698	*	43.300	J		
Total Tics :				1,773.10				
P3159-01	SU-04-070324	Solid	Benzo(b)fluoranthene		58.000	J	50.8	110 ug/Kg
P3159-01	SU-04-070324	Solid	Benzo(g,h,i)perylene		57.000	J	50.2	110 ug/Kg
P3159-01	SU-04-070324	Solid	Fluoranthene		67.300	J	51.2	110 ug/Kg
Total Svoc :				182.30				
Total Concentration:				1,955.40				

Client ID : NB-08-070324

Hit Summary Sheet SW-846

SDG No.: BF070524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3166-01	NB-08-070324	Solid	1-Iodo-2-methylundecane	*	660.000	J		
P3166-01	NB-08-070324	Solid	1-Octadecanesulphonyl chloride	*	830.000	J		
P3166-01	NB-08-070324	Solid	9,12-Octadecadienoic acid, methyl	*	4,600.000	J		
P3166-01	NB-08-070324	Solid	9-Octadecenoic acid (Z)-, methyl	*	2,000.000	J		
P3166-01	NB-08-070324	Solid	Dodecane, 2-methyl-6-propyl-	*	1,400.000	J		
P3166-01	NB-08-070324	Solid	Eicosane	*	1,600.000	J		
P3166-01	NB-08-070324	Solid	Eicosane, 10-methyl-	*	570.000	J		
P3166-01	NB-08-070324	Solid	Heneicosane	*	1,900.000	J		
P3166-01	NB-08-070324	Solid	Heptacosane	*	660.000	J		
P3166-01	NB-08-070324	Solid	Heptadecane	*	3,100.000	J		
P3166-01	NB-08-070324	Solid	Hexadecane	*	2,000.000	J		
P3166-01	NB-08-070324	Solid	Hexadecanoic acid, methyl ester	*	880.000	J		
P3166-01	NB-08-070324	Solid	Pentadecane	*	1,600.000	J		
P3166-01	NB-08-070324	Solid	Pentadecane, 2-methyl-	*	360.000	J		
P3166-01	NB-08-070324	Solid	Sulfurous acid, 2-ethylhexyl hexyl	*	370.000	J		
P3166-01	NB-08-070324	Solid	Tetracosane	*	420.000	J		
P3166-01	NB-08-070324	Solid	Tetradecane	*	1,200.000	J		
P3166-01	NB-08-070324	Solid	Tridecane	*	600.000	J		
P3166-01	NB-08-070324	Solid	Tridecane, 2-methyl-	*	1,100.000	J		
P3166-01	NB-08-070324	Solid	Undecane, 3,6-dimethyl-	*	1,100.000	J		
Total Tics :					26,950.00			
P3166-01	NB-08-070324	Solid	Benzo(a)anthracene		120.000	56.4	120	ug/Kg
P3166-01	NB-08-070324	Solid	Benzo(a)pyrene		140.000	65	120	ug/Kg
P3166-01	NB-08-070324	Solid	Benzo(b)fluoranthene		210.000	56.7	120	ug/Kg
P3166-01	NB-08-070324	Solid	Benzo(g,h,i)perylene		140.000	56	120	ug/Kg
P3166-01	NB-08-070324	Solid	Chrysene		140.000	55.6	120	ug/Kg
P3166-01	NB-08-070324	Solid	Fluoranthene		270.000	57.1	120	ug/Kg
P3166-01	NB-08-070324	Solid	Indeno(1,2,3-cd)pyrene		98.000	J 54.6	120	ug/Kg
P3166-01	NB-08-070324	Solid	Phenanthrene		80.700	J 58.7	120	ug/Kg
P3166-01	NB-08-070324	Solid	Pyrene		170.000	58	120	ug/Kg
Total Svoc :					1,368.70			
Total Concentration:					28,318.70			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF062824 SAS No.: BF062824 SDG No.: BF062824
Instrument ID: _____ Calibration Date(s): 6/28/2024 : _____
Calibration Time(s): 13:01 _____

LAB FILE ID:		RRF2.5 = BF138384.D			RRF005 = BF138385.D		RRF010 = BF138386.D	
		RRF020 = BF138387.D			RRF040 = BF138388.D		RRF050 = BF138389.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.837	0.867	0.885	0.866	0.823	0.846	3.3
Pyridine		1.341	1.327	1.393	1.390	1.329	1.356	2.1
2-Fluorophenol		1.348	1.330	1.319	1.198	1.111	1.206	10.5
Benzaldehyde			1.192	1.128	0.958	0.876	1.003	14.9
Aniline		1.713	1.682	1.691	1.564	1.511	1.586	7.0
Phenol-d6		1.841	1.792	1.736	1.600	1.506	1.625	10.3
Phenol		1.953	1.909	1.867	1.696	1.591	1.731	10.2
bis(2-Chloroethyl)ether		1.505	1.430	1.456	1.352	1.285	1.360	8.0
2-Chlorophenol		1.464	1.409	1.406	1.280	1.205	1.295	10.4
1,2-Dichlorobenzene		1.623	1.538	1.528	1.347	1.252	1.373	14.2
1,3-Dichlorobenzene		1.688	1.631	1.587	1.478	1.371	1.483	10.6
1,4-Dichlorobenzene		1.711	1.639	1.604	1.460	1.372	1.487	11.3
Benzyl Alcohol		1.306	1.239	1.266	1.175	1.094	1.164	9.8
2-Methylphenol		1.176	1.156	1.134	1.062	1.005	1.073	7.8
2,2-oxybis(1-Chloropropane)		3.061	2.979	2.978	2.719	2.568	2.743	9.9
Acetophenone		0.535	0.502	0.484	0.437	0.411	0.454	11.8
3+4-Methylphenols			1.484	1.416	1.255	1.153	1.247	13.9
n-Nitroso-di-n-propylamine	1.103	1.139	1.109	1.073	0.998	0.933	1.024	9.0
Nitrobenzene-d5		0.410	0.403	0.405	0.383	0.367	0.385	5.5
Hexachloroethane		0.580	0.574	0.568	0.543	0.508	0.536	7.7
Nitrobenzene		0.421	0.412	0.414	0.389	0.377	0.392	6.4
Isophorone		0.772	0.752	0.739	0.693	0.666	0.710	6.2
2-Nitrophenol		0.147	0.165	0.178	0.176	0.171	0.169	6.3
2,4-Dimethylphenol		0.228	0.226	0.229	0.215	0.205	0.216	5.5
bis(2-Chloroethoxy)methane		0.478	0.456	0.453	0.420	0.398	0.427	8.3
2,4-Dichlorophenol		0.297	0.299	0.298	0.278	0.262	0.278	7.5
1,2,4-Trichlorobenzene		0.366	0.352	0.345	0.318	0.298	0.323	9.9
Benzoic acid			0.128	0.169	0.189	0.199	0.183	16.5
Naphthalene		1.168	1.123	1.095	0.991	0.921	1.011	11.8
4-Chloroaniline		0.396	0.370	0.377	0.345	0.332	0.353	8.3
Hexachlorobutadiene		0.221	0.213	0.207	0.191	0.182	0.194	10.6
Caprolactam		0.091	0.091	0.093	0.087	0.082	0.088	4.6
4-Chloro-3-methylphenol		0.324	0.317	0.318	0.288	0.277	0.296	7.9
2-Methylnaphthalene		0.771	0.735	0.716	0.632	0.591	0.653	13.3
Hexachlorocyclopentadiene			0.118	0.161	0.173	0.176	0.163	14.2
2,4,6-Trichlorophenol		0.364	0.360	0.382	0.356	0.340	0.352	5.8

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF062824 SAS No.: BF062824 SDG No.: BF062824
Instrument ID: _____ Calibration Date(s): 6/28/2024 : _____
Calibration Time(s): 13:01 _____

LAB FILE ID:		RRF2.5 = BF138384.D			RRF005 = BF138385.D		RRF010 = BF138386.D	
		RRF020 = BF138387.D			RRF040 = BF138388.D		RRF050 = BF138389.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl			1.490	1.411	1.203	1.108	1.257	14.7
2,4,5-Trichlorophenol		0.404	0.405	0.410	0.385	0.367	0.383	6.6
1,1-Biphenyl		1.747	1.657	1.642	1.465	1.358	1.493	12.8
2-Chloronaphthalene		1.297	1.231	1.240	1.114	1.056	1.139	10.4
2-Nitroaniline		0.349	0.370	0.392	0.369	0.363	0.367	4.3
Dimethylphthalate		1.445	1.364	1.396	1.241	1.184	1.285	8.9
Acenaphthylene		1.863	1.765	1.759	1.556	1.474	1.601	12.4
2,6-Dinitrotoluene		0.289	0.305	0.316	0.287	0.279	0.288	6.1
3-Nitroaniline		0.288	0.295	0.308	0.283	0.276	0.284	5.3
Acenaphthene		1.224	1.187	1.192	1.077	1.014	1.096	9.6
2,4-Dinitrophenol			0.037	0.074	0.098	0.109	0.094	35.2
4-Nitrophenol			0.152	0.188	0.191	0.188	0.184	8.8
Dibenzofuran		1.790	1.675	1.678	1.468	1.368	1.511	13.6
2,4-Dinitrotoluene		0.334	0.360	0.394	0.366	0.349	0.354	6.4
Diethylphthalate		1.372	1.306	1.318	1.168	1.110	1.202	10.9
4-Chlorophenyl-phenylether		0.695	0.675	0.663	0.565	0.530	0.609	12.7
Fluorene		1.406	1.337	1.284	1.104	1.050	1.200	13.5
4-Nitroaniline		0.243	0.259	0.287	0.265	0.260	0.261	5.6
4,6-Dinitro-2-methylphenol			0.057	0.083	0.100	0.108	0.096	23.1
n-Nitrosodiphenylamine		0.711	0.694	0.661	0.599	0.570	0.621	10.9
Azobenzene		1.404	1.383	1.373	1.248	1.187	1.269	9.3
2,4,6-Tribromophenol		0.172	0.176	0.181	0.163	0.153	0.163	8.3
4-Bromophenyl-phenylether		0.241	0.239	0.229	0.209	0.202	0.215	10.0
Hexachlorobenzene		0.281	0.258	0.250	0.228	0.219	0.237	11.4
Atrazine		0.202	0.196	0.191	0.182	0.156	0.174	14.2
Pentachlorophenol			0.091	0.119	0.128	0.127	0.120	12.4
Phenanthrene		1.118	1.068	1.063	0.954	0.911	0.976	11.2
Anthracene		1.105	1.075	1.057	0.954	0.906	0.974	11.0
Carbazole		0.884	0.861	0.896	0.804	0.765	0.808	9.6
Di-n-butylphthalate		1.084	1.101	1.123	1.023	0.979	1.025	8.3
Fluoranthene		0.957	0.947	0.975	0.880	0.820	0.875	10.4
Benzidine		0.264	0.132	0.193	0.032	0.203	0.160	52.9
Pyrene		2.334	2.327	2.350	2.137	1.995	2.138	9.9
Terphenyl-d14			1.716	1.680	1.492	1.339	1.459	14.3
Butylbenzylphthalate		0.577	0.639	0.732	0.685	0.656	0.650	8.1
3,3-Dichlorobenzidine		0.399	0.394	0.400	0.355	0.374	0.380	5.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF062824 SAS No.: BF062824 SDG No.: BF062824
Instrument ID: _____ Calibration Date(s): 6/28/2024 : _____
Calibration Time(s): 13:01 _____

LAB FILE ID:		RRF2.5 = BF138384.D			RRF005 = BF138385.D		RRF010 = BF138386.D	
		RRF020 = BF138387.D			RRF040 = BF138388.D		RRF050 = BF138389.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.388	1.347	1.347	1.271	1.239	1.287	6.0
Chrysene		1.377	1.289	1.324	1.218	1.200	1.253	6.3
Bis(2-ethylhexyl)phthalate		0.797	0.817	0.882	0.835	0.804	0.816	4.8
Di-n-octyl phthalate		1.425	1.426	1.477	1.412	1.420	1.428	1.9
Benzo(b)fluoranthene		1.198	1.123	1.211	1.045	1.067	1.097	7.4
Benzo(k)fluoranthene		1.095	1.089	1.034	1.013	0.933	1.011	6.9
Benzo(a)pyrene		1.007	1.005	1.007	0.943	0.923	0.962	4.4
Indeno(1,2,3-cd)pyrene		0.919	0.922	1.034	1.041	1.024	1.005	5.8
Dibenzo(a,h)anthracene		0.722	0.748	0.839	0.857	0.819	0.811	6.8
Benzo(g,h,i)perylene		0.728	0.729	0.795	0.831	0.810	0.794	5.9
1,2,4,5-Tetrachlorobenzene		0.633	0.608	0.597	0.541	0.513	0.553	11.0
1,4-Dioxane		0.584	0.602	0.607	0.570	0.540	0.568	5.4
2,3,4,6-Tetrachlorophenol		0.276	0.295	0.315	0.290	0.276	0.284	6.0
1-Methylnaphthalene		0.749	0.722	0.684	0.617	0.573	0.634	13.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF070524 SAS No.: BF070524 SDG NO.: BF070524

EPA Sample No.: SSTDICCC040 Date Analyzed: Jul 5 2024 12:00AM

Lab File ID: BF138388.D Time Analyzed: 12:22

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	168343	6.875	678290	8.16	367582	9.92
UPPER LIMIT	336686	7.375	1356580	8.657	735164	10.416
LOWER LIMIT	84171.5	6.375	339145	7.657	183791	9.416
EPA SAMPLE NO.						
01 PB161894BL	127423	6.87	519008	8.15	300168	9.91
02 PB161894BS	128277	6.88	527419	8.16	296612	9.92
03 PB161920BL	118479	6.88	488443	8.15	279712	9.91
04 PB161920BS	127957	6.88	520928	8.16	288551	9.92
05 MW12-20240625DL2	83792 *	6.87	329952 *	8.15	181442 *	9.90
06 B-140-SB01RE	60243 *	6.87	238390 *	8.15	131244 *	9.90
07 B-140-SB00	68662 *	6.87	267059 *	8.15	145782 *	9.90
08 VNJ-231RE	60398 *	6.87	235631 *	8.15	130994 *	9.90
09 OK-628-COMP-01RE	38144 *	6.87	144648 *	8.15	78441 *	9.90
10 OK-628-COMP-02RE	56626 *	6.87	221593 *	8.15	115221 *	9.90
11 NB-08-070324	44449 *	6.87	176262 *	8.15	91051 *	9.91
12 SU-04-070324	44922 *	6.87	175602 *	8.15	87043 *	9.90
13 SU-04-070324MS	60528 *	6.88	233038 *	8.16	115267 *	9.91
14 SU-04-070324MSD	66540 *	6.88	258400 *	8.16	128312 *	9.91

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.: BF070524 SAS No.: BF070524 SDG NO.: BF070524

EPA Sample No.: SSTDCCC040 Date Analyzed: Jul 5 2024 12:00AM

Lab File ID: BF138462.D Time Analyzed: 12:22

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	123721	6.875	494912	8.16	277901	9.92
UPPER LIMIT	247442	7.375	989824	8.657	555802	10.416
LOWER LIMIT	61860.5	6.375	247456	7.657	138950.5	9.416
EPA SAMPLE NO.						
01 PB161894BL	127423	6.87	519008	8.15	300168	9.91
02 PB161894BS	128277	6.88	527419	8.16	296612	9.92
03 PB161920BL	118479	6.88	488443	8.15	279712	9.91
04 PB161920BS	127957	6.88	520928	8.16	288551	9.92
05 MW12-20240625DL2	83792	6.87	329952	8.15	181442	9.90
06 B-140-SB01RE	60243 *	6.87	238390 *	8.15	131244 *	9.90
07 B-140-SB00	68662	6.87	267059	8.15	145782	9.90
08 VNJ-231RE	60398 *	6.87	235631 *	8.15	130994 *	9.90
09 OK-628-COMP-01RE	38144 *	6.87	144648 *	8.15	78441 *	9.90
10 OK-628-COMP-02RE	56626 *	6.87	221593 *	8.15	115221 *	9.90
11 NB-08-070324	44449 *	6.87	176262 *	8.15	91051 *	9.91
12 SU-04-070324	44922 *	6.87	175602 *	8.15	87043 *	9.90
13 SU-04-070324MS	60528 *	6.88	233038 *	8.16	115267 *	9.91
14 SU-04-070324MSD	66540	6.88	258400	8.16	128312 *	9.91

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.: BF070524 SAS No.: BF070524 SDG NO.: BF070524

EPA Sample No.: SSTDICCC040 Date Analyzed: Jul 5 2024 12:00AM

Lab File ID: BF138388.D Time Analyzed: 12:22

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	587988	11.398	233783	14.027	292128	15.492
UPPER LIMIT	1175976	11.898	467566	14.527	584256	15.992
LOWER LIMIT	293994	10.898	116891.5	13.527	146064	14.992
EPA SAMPLE NO.						
01 PB161894BL	504441	11.39	227033	14.03	215521	15.50
02 PB161894BS	505964	11.40	217140	14.04	249423	15.50
03 PB161920BL	473312	11.39	213987	14.03	195570	15.50
04 PB161920BS	496530	11.40	211767	14.04	247080	15.50
05 MW12-20240625DL2	291188 *	11.39	173018	14.03	172152	15.50
06 B-140-SB01RE	224537 *	11.39	128825	14.03	128402 *	15.50
07 B-140-SB00	246245 *	11.39	153573	14.03	144134 *	15.50
08 VNJ-231RE	232959 *	11.39	138549	14.03	131221 *	15.50
09 OK-628-COMP-01RE	127191 *	11.39	85763 *	14.03	62413 *	15.50
10 OK-628-COMP-02RE	176391 *	11.39	116449 *	14.03	83443 *	15.50
11 NB-08-070324	128676 *	11.39	88660 *	14.03	66138 *	15.50
12 SU-04-070324	133104 *	11.39	81411 *	14.03	61996 *	15.50
13 SU-04-070324MS	167735 *	11.39	99950 *	14.03	79894 *	15.50
14 SU-04-070324MSD	189414 *	11.40	106279 *	14.03	89170 *	15.50

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.: BF070524 SAS No.: BF070524 SDG NO.: BF070524

EPA Sample No.: SSTDCCC040 Date Analyzed: Jul 5 2024 12:00AM

Lab File ID: BF138462.D Time Analyzed: 12:22

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	473104	11.398	195952	14.039	241597	15.504
UPPER LIMIT	946208	11.898	391904	14.539	483194	16.004
LOWER LIMIT	236552	10.898	97976	13.539	120798.5	15.004
EPA SAMPLE NO.						
01 PB161894BL	504441	11.39	227033	14.03	215521	15.50
02 PB161894BS	505964	11.40	217140	14.04	249423	15.50
03 PB161920BL	473312	11.39	213987	14.03	195570	15.50
04 PB161920BS	496530	11.40	211767	14.04	247080	15.50
05 MW12-20240625DL2	291188	11.39	173018	14.03	172152	15.50
06 B-140-SB01RE	224537 *	11.39	128825	14.03	128402	15.50
07 B-140-SB00	246245	11.39	153573	14.03	144134	15.50
08 VNJ-231RE	232959 *	11.39	138549	14.03	131221	15.50
09 OK-628-COMP-01RE	127191 *	11.39	85763 *	14.03	62413 *	15.50
10 OK-628-COMP-02RE	176391 *	11.39	116449	14.03	83443 *	15.50
11 NB-08-070324	128676 *	11.39	88660 *	14.03	66138 *	15.50
12 SU-04-070324	133104 *	11.39	81411 *	14.03	61996 *	15.50
13 SU-04-070324MS	167735 *	11.39	99950	14.03	79894 *	15.50
14 SU-04-070324MSD	189414 *	11.40	106279	14.03	89170 *	15.50

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.: **BF070524**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB161894BS	n-Nitrosodimethylamine	1700	1600	ug/Kg	94				57	103	
	Pyridine	1700	1200	ug/Kg	71				28	98	
	Benzaldehyde	1700	800	ug/Kg	47				10	147	
	Aniline	1700	990	ug/Kg	58				38	100	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88				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	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1500	ug/Kg	88				55	104	
	3+4-Methylphenols	1700	1600	ug/Kg	94				58	111	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				67	119	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				53	105	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	1,2,4-Trichlorobenzene	1700	1400	ug/Kg	82				44	110	
	Benzoic acid	1700	1700	ug/Kg	100				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	710	ug/Kg	42				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1700	ug/Kg	100				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	3800	ug/Kg	115				45	134	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1700	ug/Kg	100				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
3-Nitroaniline	1700	1100	ug/Kg	65				28	100		
Acenaphthene	1700	1600	ug/Kg	94				57	104		
Total PAH	27200	25300	ug/Kg	93				57	104		
2,4-Dinitrophenol	3300	3500	ug/Kg	106				37	128		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF070524**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB161894BS	4-Nitrophenol	3300	3500	ug/Kg	106				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	2,4-Dinitrotoluene/2,6-Dinitrotol	3400	3100	ug/Kg	91				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1600	ug/Kg	94				64	103	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				56	107	
	Azobenzene	1700	1600	ug/Kg	94				54	103	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				55	99	
	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1600	ug/Kg	94				67	113	
	Pentachlorophenol	3300	3100	ug/Kg	94				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Benzidine	3300	1100	ug/Kg	33				10	98	
	Pyrene	1700	1500	ug/Kg	88				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	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1400	ug/Kg	82				63	111	
	Di-n-octyl phthalate	1700	1400	ug/Kg	82				70	108	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				63	101	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				61	112	
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF070524**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB161920BS	n-Nitrosodimethylamine	1700	1600	ug/Kg	94				57	103	
	Pyridine	1700	1200	ug/Kg	71				28	98	
	Benzaldehyde	1700	790	ug/Kg	46				10	147	
	Aniline	1700	960	ug/Kg	56				38	100	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88				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	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1500	ug/Kg	88				55	104	
	3+4-Methylphenols	1700	1600	ug/Kg	94				58	111	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				67	119	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				53	105	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	1,2,4-Trichlorobenzene	1700	1400	ug/Kg	82				44	110	
	Benzoic acid	1700	1600	ug/Kg	94				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	710	ug/Kg	42				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1700	ug/Kg	100				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	3900	ug/Kg	118				45	134	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1700	ug/Kg	100				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1700	ug/Kg	100				57	104	
	Total PAH	27200	25500	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3600	ug/Kg	109				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF070524**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB161920BS	4-Nitrophenol	3300	3500	ug/Kg	106				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	2,4-Dinitrotoluene/2,6-Dinitroto	3400	3100	ug/Kg	91				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1600	ug/Kg	94				64	103	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				56	107	
	Azobenzene	1700	1600	ug/Kg	94				54	103	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				55	99	
	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1600	ug/Kg	94				67	113	
	Pentachlorophenol	3300	3100	ug/Kg	94				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Benzidine	3300	1200	ug/Kg	36				10	98	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				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	1400	ug/Kg	82				70	108	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				63	101	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

B-140-SB00

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF070524

SAS No.: BF070524 SDG NO.: BF070524

Lab File ID: BF138469.D

Lab Sample ID: P3141-01

Instrument ID: BNA_F

Date Extracted: 07/01/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/05/2024

Level: (low/med) LOW

Time Analyzed: 15:32

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
B-140-SB00	P3141-01	BF138469.D	07/05/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161894BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF070524

SAS No.: BF070524 SDG NO.: BF070524

Lab File ID: BF138463.D

Lab Sample ID: PB161894BL

Instrument ID: BNA_F

Date Extracted: 07/03/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/05/2024

Level: (low/med) LOW

Time Analyzed: 12:22

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB161894BS	PB161894BS	BF138464.D	07/05/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161920BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF070524

SAS No.: BF070524 SDG NO.: BF070524

Lab File ID: BF138465.D

Lab Sample ID: PB161920BL

Instrument ID: BNA_F

Date Extracted: 07/05/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/05/2024

Level: (low/med) LOW

Time Analyzed: 13:23

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB161920BS	PB161920BS	BF138466.D	07/05/2024
NB-08-070324	P3166-01	BF138473.D	07/05/2024
SU-04-070324	P3159-01	BF138474.D	07/05/2024
SU-04-070324MS	P3159-01MS	BF138475.D	07/05/2024
SU-04-070324MSD	P3159-01MSD	BF138476.D	07/05/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF070524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3159-01MS		Client Sample ID: SU-04-070324MS		DataFile: BF138475.D							
n-Nitrosodimethylamine	1000		1100	ug/Kg	110				66	124	
Pyridine	1000		930	ug/Kg	93				45	119	
Benzaldehyde	1000		200	ug/Kg	20	*			26	163	
Aniline	1000		690	ug/Kg	69				10	88	
Phenol	1000		1100	ug/Kg	110				67	126	
bis(2-Chloroethyl)ether	1000		990	ug/Kg	99				74	116	
2-Chlorophenol	1000		1100	ug/Kg	110				61	138	
1,2-Dichlorobenzene	1000		1000	ug/Kg	100				61	105	
1,3-Dichlorobenzene	1000		980	ug/Kg	98				62	101	
1,4-Dichlorobenzene	1000		1000	ug/Kg	100				63	104	
Benzyl Alcohol	1000		1100	ug/Kg	110				47	126	
2-Methylphenol	1000		1000	ug/Kg	100				66	122	
2,2-oxybis(1-Chloropropane)	1000		1000	ug/Kg	100				52	115	
Acetophenone	1000		1000	ug/Kg	100				75	111	
3+4-Methylphenols	1000		1100	ug/Kg	110				53	132	
N-Nitroso-di-n-propylamine	1000		980	ug/Kg	98				59	119	
Hexachloroethane	1000		970	ug/Kg	97				65	117	
Nitrobenzene	1000		1000	ug/Kg	100				70	119	
Isophorone	1000		1000	ug/Kg	100				76	122	
2-Nitrophenol	1000		1100	ug/Kg	110				54	145	
2,4-Dimethylphenol	1000		1100	ug/Kg	110				83	144	
bis(2-Chloroethoxy)methane	1000		970	ug/Kg	97				68	112	
2,4-Dichlorophenol	1000		1000	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	1000		980	ug/Kg	98				57	103	
Benzoic acid	1000		740	ug/Kg	74				50	104	
Naphthalene	1000		1000	ug/Kg	100				72	110	
4-Chloroaniline	1000		450	ug/Kg	45				10	100	
Hexachlorobutadiene	1000		960	ug/Kg	96				66	114	
Caprolactam	1000		990	ug/Kg	99				51	134	
4-Chloro-3-methylphenol	1000		1000	ug/Kg	100				57	132	
2-Methylnaphthalene	1000		990	ug/Kg	99				59	123	
Hexachlorocyclopentadiene	2100		970	ug/Kg	46				10	175	
2,4,6-Trichlorophenol	1000		1100	ug/Kg	110				72	117	
2,4,5-Trichlorophenol	1000		1000	ug/Kg	100				72	117	
1,1-Biphenyl	1000		1000	ug/Kg	100				75	113	
2-Chloronaphthalene	1000		1000	ug/Kg	100				67	118	
2-Nitroaniline	1000		1200	ug/Kg	120				69	127	
Dimethylphthalate	1000		1100	ug/Kg	110				70	113	
Acenaphthylene	1000		1100	ug/Kg	110				79	118	
2,6-Dinitrotoluene	1000		1000	ug/Kg	100				70	125	
3-Nitroaniline	1000		840	ug/Kg	84				20	111	
Acenaphthene	1000		1000	ug/Kg	100				70	121	
Total PAH	16000	0	18010	ug/Kg	113				70	121	
2,4-Dinitrophenol	2100		1000	ug/Kg	48				16	160	
4-Nitrophenol	2100		2200	ug/Kg	105				45	133	
Dibenzofuran	1000		1000	ug/Kg	100				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF070524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1000		1000	ug/Kg	100				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	2000		2000	ug/Kg	100				55	128	
Diethylphthalate	1000		1100	ug/Kg	110				70	112	
4-Chlorophenyl-phenylether	1000		980	ug/Kg	98				71	108	
Fluorene	1000		970	ug/Kg	97				68	116	
4-Nitroaniline	1000		1000	ug/Kg	100				55	120	
4,6-Dinitro-2-methylphenol	1000		710	ug/Kg	71				32	145	
N-Nitrosodiphenylamine	1000		1100	ug/Kg	110				73	118	
Azobenzene	1000		1000	ug/Kg	100				73	110	
4-Bromophenyl-phenylether	1000		1000	ug/Kg	100				65	121	
Hexachlorobenzene	1000		970	ug/Kg	97				67	118	
Atrazine	1000		1200	ug/Kg	120				79	127	
Pentachlorophenol	2100		2000	ug/Kg	95				47	128	
Phenanthrene	1000		1100	ug/Kg	110				72	113	
Anthracene	1000		1100	ug/Kg	110				62	124	
Carbazole	1000		1200	ug/Kg	120	*			59	119	
Di-n-butylphthalate	1000		1100	ug/Kg	110				69	118	
Fluoranthene	1000	67.3	1300	ug/Kg	123				59	125	
Benzidine	2100		4000	ug/Kg	190	*			10	119	
Pyrene	1000	0	940	ug/Kg	94				52	128	
Butylbenzylphthalate	1000		1200	ug/Kg	120				64	126	
3,3-Dichlorobenzidine	1000		970	ug/Kg	97				10	164	
Benzo(a)anthracene	1000		1100	ug/Kg	110				71	114	
Chrysene	1000		1100	ug/Kg	110				57	121	
bis(2-Ethylhexyl)phthalate	1000		1200	ug/Kg	120				66	127	
Di-n-octyl phthalate	1000		1000	ug/Kg	100				71	126	
Benzo(b)fluoranthene	1000	58	1100	ug/Kg	104				67	121	
Benzo(k)fluoranthene	1000		1200	ug/Kg	120	*			74	114	
Benzo(a)pyrene	1000		1200	ug/Kg	120				70	142	
Indeno(1,2,3-cd)pyrene	1000		1300	ug/Kg	130	*			61	125	
Dibenz(a,h)anthracene	1000		1300	ug/Kg	130				67	130	
Benzo(g,h,i)perylene	1000	57	1200	ug/Kg	114				53	140	
1,2,4,5-Tetrachlorobenzene	1000		1000	ug/Kg	100				69	124	
1,4-Dioxane	1000		840	ug/Kg	84				46	112	
2,3,4,6-Tetrachlorophenol	1000		990	ug/Kg	99				56	133	
1-Methylnaphthalene	1000		950	ug/Kg	95				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF070524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3159-01MSD		Client Sample ID: SU-04-070324MSD		DataFile: BF138476.D							
n-Nitrosodimethylamine	1000		1100	ug/Kg	110		0		66	124	20
Pyridine	1000		960	ug/Kg	96		3		45	119	20
Benzaldehyde	1000		210	ug/Kg	21	*	5		26	163	20
Aniline	1000		740	ug/Kg	74		7		10	88	20
Phenol	1000		1100	ug/Kg	110		0		67	126	20
bis(2-Chloroethyl)ether	1000		1000	ug/Kg	100		1		74	116	20
2-Chlorophenol	1000		1100	ug/Kg	110		0		61	138	20
1,2-Dichlorobenzene	1000		1100	ug/Kg	110	*	10		61	105	20
1,3-Dichlorobenzene	1000		1000	ug/Kg	100		2		62	101	20
1,4-Dichlorobenzene	1000		1000	ug/Kg	100		0		63	104	20
Benzyl Alcohol	1000		1100	ug/Kg	110		0		47	126	20
2-Methylphenol	1000		1100	ug/Kg	110		10		66	122	20
2,2-oxybis(1-Chloropropane)	1000		1000	ug/Kg	100		0		52	115	20
Acetophenone	1000		1000	ug/Kg	100		0		75	111	20
3+4-Methylphenols	1000		1100	ug/Kg	110		0		53	132	20
N-Nitroso-di-n-propylamine	1000		1000	ug/Kg	100		2		59	119	20
Hexachloroethane	1000		990	ug/Kg	99		2		65	117	20
Nitrobenzene	1000		1100	ug/Kg	110		10		70	119	20
Isophorone	1000		1000	ug/Kg	100		0		76	122	20
2-Nitrophenol	1000		1100	ug/Kg	110		0		54	145	20
2,4-Dimethylphenol	1000		1200	ug/Kg	120		9		83	144	20
bis(2-Chloroethoxy)methane	1000		1000	ug/Kg	100		3		68	112	20
2,4-Dichlorophenol	1000		1000	ug/Kg	100		0		72	118	20
1,2,4-Trichlorobenzene	1000		990	ug/Kg	99		1		57	103	20
Benzoic acid	1000		780	ug/Kg	78		5		50	104	20
Naphthalene	1000		1000	ug/Kg	100		0		72	110	20
4-Chloroaniline	1000		470	ug/Kg	47		4		10	100	20
Hexachlorobutadiene	1000		990	ug/Kg	99		3		66	114	20
Caprolactam	1000		1000	ug/Kg	100		1		51	134	20
4-Chloro-3-methylphenol	1000		1100	ug/Kg	110		10		57	132	20
2-Methylnaphthalene	1000		990	ug/Kg	99		0		59	123	20
Hexachlorocyclopentadiene	2100		1000	ug/Kg	48		4		10	175	20
2,4,6-Trichlorophenol	1000		1100	ug/Kg	110		0		72	117	20
2,4,5-Trichlorophenol	1000		1000	ug/Kg	100		0		72	117	20
1,1-Biphenyl	1000		1000	ug/Kg	100		0		75	113	20
2-Chloronaphthalene	1000		1000	ug/Kg	100		0		67	118	20
2-Nitroaniline	1000		1200	ug/Kg	120		0		69	127	20
Dimethylphthalate	1000		1100	ug/Kg	110		0		70	113	20
Acenaphthylene	1000		1100	ug/Kg	110		0		79	118	20
2,6-Dinitrotoluene	1000		1100	ug/Kg	110		10		70	125	20
3-Nitroaniline	1000		840	ug/Kg	84		0		20	111	20
Acenaphthene	1000		1000	ug/Kg	100		0		70	121	20
Total PAH	16000	0	17970	ug/Kg	112		1		70	121	20
2,4-Dinitrophenol	2100		1100	ug/Kg	52		8		16	160	20
4-Nitrophenol	2100		2200	ug/Kg	105		0		45	133	20
Dibenzofuran	1000		1000	ug/Kg	100		0		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF070524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1000		1100	ug/Kg	110		10		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2000		2200	ug/Kg	110		10		55	128	20
Diethylphthalate	1000		1100	ug/Kg	110		0		70	112	20
4-Chlorophenyl-phenylether	1000		980	ug/Kg	98		0		71	108	20
Fluorene	1000		980	ug/Kg	98		1		68	116	20
4-Nitroaniline	1000		1000	ug/Kg	100		0		55	120	20
4,6-Dinitro-2-methylphenol	1000		730	ug/Kg	73		3		32	145	20
N-Nitrosodiphenylamine	1000		1100	ug/Kg	110		0		73	118	20
Azobenzene	1000		1000	ug/Kg	100		0		73	110	20
4-Bromophenyl-phenylether	1000		1000	ug/Kg	100		0		65	121	20
Hexachlorobenzene	1000		970	ug/Kg	97		0		67	118	20
Atrazine	1000		1200	ug/Kg	120		0		79	127	20
Pentachlorophenol	2100		2100	ug/Kg	100		5		47	128	20
Phenanthrene	1000		1100	ug/Kg	110		0		72	113	20
Anthracene	1000		1100	ug/Kg	110		0		62	124	20
Carbazole	1000		1200	ug/Kg	120	*	0		59	119	20
Di-n-butylphthalate	1000		1100	ug/Kg	110		0		69	118	20
Fluoranthene	1000	67.3	1300	ug/Kg	123		0		59	125	20
Benzidine	2100		4500	ug/Kg	214	*	12		10	119	20
Pyrene	1000	0	990	ug/Kg	99		5		52	128	20
Butylbenzylphthalate	1000		1200	ug/Kg	120		0		64	126	20
3,3-Dichlorobenzidine	1000		1000	ug/Kg	100		3		10	164	20
Benzo(a)anthracene	1000		1100	ug/Kg	110		0		71	114	20
Chrysene	1000		1100	ug/Kg	110		0		57	121	20
bis(2-Ethylhexyl)phthalate	1000		1300	ug/Kg	130	*	8		66	127	20
Di-n-octyl phthalate	1000		1100	ug/Kg	110		10		71	126	20
Benzo(b)fluoranthene	1000	58	1100	ug/Kg	104		0		67	121	20
Benzo(k)fluoranthene	1000		1200	ug/Kg	120	*	0		74	114	20
Benzo(a)pyrene	1000		1100	ug/Kg	110		9		70	142	20
Indeno(1,2,3-cd)pyrene	1000		1300	ug/Kg	130	*	0		61	125	20
Dibenz(a,h)anthracene	1000		1300	ug/Kg	130		0		67	130	20
Benzo(g,h,i)perylene	1000	57	1200	ug/Kg	114		0		53	140	20
1,2,4,5-Tetrachlorobenzene	1000		1000	ug/Kg	100		0		69	124	20
1,4-Dioxane	1000		860	ug/Kg	86		2		46	112	20
2,3,4,6-Tetrachlorophenol	1000		1000	ug/Kg	100		1		56	133	20
1-Methylnaphthalene	1000		940	ug/Kg	94		1		70	130	20



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

Surrogate Summary

SW-846

SDG No.: BF070524

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3073-02DL2	MW12-20240625D\BF138467.D		2-Fluorophenol	150	83.27	56		10	139
			Phenol-d6	150	54.91	37		10	134
			Nitrobenzene-d5	100	99.17	99		49	133
			2-Fluorobiphenyl	100	106.12	106		52	132
			2,4,6-Tribromophenol	150	168.35	112		32	145
			Terphenyl-d14	100	91.48	91		36	145

Surrogate Summary

SW-846

SDG No.: **BF070524**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3135-01RE	OK-628-COMP-01IBF138471.D		2-Fluorophenol	150	100.44	67		18	112
			Phenol-d6	150	96.80	65		15	107
			Nitrobenzene-d5	100	65.29	65		18	107
			2-Fluorobiphenyl	100	67.44	67		20	109
			2,4,6-Tribromophenol	150	96.14	64		10	110
			Terphenyl-d14	100	47.46	47		14	112
P3135-07RE	OK-628-COMP-02IBF138472.D		2-Fluorophenol	150	99.37	66		18	112
			Phenol-d6	150	96.69	64		15	107
			Nitrobenzene-d5	100	65.01	65		18	107
			2-Fluorobiphenyl	100	67.58	68		20	109
			2,4,6-Tribromophenol	150	88.77	59		10	110
			Terphenyl-d14	100	48.63	49		14	112
P3141-01	B-140-SB00	BF138469.D	2-Fluorophenol	150	102.07	68		18	112
			Phenol-d6	150	99.60	66		15	107
			Nitrobenzene-d5	100	68.81	69		18	107
			2-Fluorobiphenyl	100	62.46	62		20	109
			2,4,6-Tribromophenol	150	103.06	69		10	110
			Terphenyl-d14	100	43.89	44		14	112
P3141-02RE	B-140-SB01RE	BF138468.D	2-Fluorophenol	150	108.51	72		18	112
			Phenol-d6	150	105.65	70		15	107
			Nitrobenzene-d5	100	72.58	73		18	107
			2-Fluorobiphenyl	100	71.33	71		20	109
			2,4,6-Tribromophenol	150	108.44	72		10	110
			Terphenyl-d14	100	56.90	57		14	112
P3142-01RE	VNJ-231RE	BF138470.D	2-Fluorophenol	150	92.65	62		18	112
			Phenol-d6	150	94.58	63		15	107
			Nitrobenzene-d5	100	66.74	67		18	107
			2-Fluorobiphenyl	100	66.55	67		20	109
			2,4,6-Tribromophenol	150	91.82	61		10	110
			Terphenyl-d14	100	53.75	54		14	112



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Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BF070524

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB161894BL	PB161894BL	BF138463.D	2-Fluorophenol	150	124.07	83		18	112
			Phenol-d6	150	124.52	83		15	107
			Nitrobenzene-d5	100	84.73	85		18	107
			2-Fluorobiphenyl	100	77.66	78		20	109
			2,4,6-Tribromophenol	150	122.12	81		10	110
			Terphenyl-d14	100	81.45	81		14	112
PB161894BS	PB161894BS	BF138464.D	2-Fluorophenol	150	132.63	88		18	112
			Phenol-d6	150	131.25	87		15	107
			Nitrobenzene-d5	100	88.86	89		18	107
			2-Fluorobiphenyl	100	81.21	81		20	109
			2,4,6-Tribromophenol	150	136.07	91		10	110
			Terphenyl-d14	100	84.15	84		14	112

Surrogate Summary

SW-846

SDG No.: **BF070524**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3159-01	SU-04-070324	BF138474.D	2-Fluorophenol	150	117.82	79		18	112
			Phenol-d6	150	116.03	77		15	107
			Nitrobenzene-d5	100	76.13	76		18	107
			2-Fluorobiphenyl	100	83.00	83		20	109
			2,4,6-Tribromophenol	150	106.26	71		10	110
			Terphenyl-d14	100	67.63	68		14	112
P3159-01MS	SU-04-070324MS	BF138475.D	2-Fluorophenol	150	131.43	88		18	112
			Phenol-d6	150	127.77	85		15	107
			Nitrobenzene-d5	100	88.74	89		18	107
			2-Fluorobiphenyl	100	92.17	92		20	109
			2,4,6-Tribromophenol	150	125.36	84		10	110
			Terphenyl-d14	100	78.57	79		14	112
P3159-01MSD	SU-04-070324MSDBF	138476.D	2-Fluorophenol	150	134.44	90		18	112
			Phenol-d6	150	130.10	87		15	107
			Nitrobenzene-d5	100	90.37	90		18	107
			2-Fluorobiphenyl	100	92.76	93		20	109
			2,4,6-Tribromophenol	150	126.79	85		10	110
			Terphenyl-d14	100	82.80	83		14	112
P3166-01	NB-08-070324	BF138473.D	2-Fluorophenol	150	118.27	79		18	112
			Phenol-d6	150	115.18	77		15	107
			Nitrobenzene-d5	100	76.47	76		18	107
			2-Fluorobiphenyl	100	77.30	77		20	109
			2,4,6-Tribromophenol	150	101.46	68		10	110
			Terphenyl-d14	100	57.29	57		14	112
PB161920BL	PB161920BL	BF138465.D	2-Fluorophenol	150	127.31	85		18	112
			Phenol-d6	150	126.25	84		15	107
			Nitrobenzene-d5	100	84.93	85		18	107
			2-Fluorobiphenyl	100	77.78	78		20	109
			2,4,6-Tribromophenol	150	120.52	80		10	110
			Terphenyl-d14	100	78.62	79		14	112
PB161920BS	PB161920BS	BF138466.D	2-Fluorophenol	150	131.52	88		18	112
			Phenol-d6	150	129.88	87		15	107
			Nitrobenzene-d5	100	89.02	89		18	107
			2-Fluorobiphenyl	100	82.24	82		20	109
			2,4,6-Tribromophenol	150	137.26	92		10	110
			Terphenyl-d14	100	84.01	84		14	112

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF070524

Lab Code: CHEM

SAS No.: BF070524

SDG NO.: BF070524

Lab File ID: BF138461.D

DFTPP Injection Date: 07/05/2024

Instrument ID: BNA_F

DFTPP Injection Time: 11:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	52
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	39.5
70	Less than 2.0% of mass 69	0.3 (0.8) 1
127	10.0 - 80.0% of mass 198	48
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	25.1
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	12
442	Greater than 50% of mass 198	73.4
443	15.0 - 24.0% of mass 442	13.9 (19) 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	BF138462.D	07/05/2024	11:47
PB161894BL	PB161894BL	BF138463.D	07/05/2024	12:22
PB161894BS	PB161894BS	BF138464.D	07/05/2024	12:53
PB161920BL	PB161920BL	BF138465.D	07/05/2024	13:23
PB161920BS	PB161920BS	BF138466.D	07/05/2024	13:53
MW12-20240625DL2	P3073-02DL2	BF138467.D	07/05/2024	14:27
B-140-SB01RE	P3141-02RE	BF138468.D	07/05/2024	15:02
B-140-SB00	P3141-01	BF138469.D	07/05/2024	15:32
VNJ-231RE	P3142-01RE	BF138470.D	07/05/2024	16:03
OK-628-COMP-01RE	P3135-01RE	BF138471.D	07/05/2024	16:33
OK-628-COMP-02RE	P3135-07RE	BF138472.D	07/05/2024	17:04
NB-08-070324	P3166-01	BF138473.D	07/05/2024	17:34
SU-04-070324	P3159-01	BF138474.D	07/05/2024	18:05
SU-04-070324MS	P3159-01MS	BF138475.D	07/05/2024	18:36
SU-04-070324MSD	P3159-01MSD	BF138476.D	07/05/2024	19:06